



## REPORT ON MYANMAR CENSUS OF AGRICULTURE 2010



**The Republic of the Union of Myanmar  
Ministry of Agriculture and Irrigation  
Settlement and Land Records Department**

**REPORT ON  
MYANMAR CENSUS OF AGRICULTURE 2010**

**In collaboration with FAO  
under TCP/MYA/3301(D)**

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## Executive Summary

The Myanmar Census of Agriculture (MCA) 2010 was the fourth census of agriculture conducted in the Republic of the Union of Myanmar (RoUM). This was also the fourth census supported by the Food and Agriculture Organization (FAO) of the United Nations. Unlike the past 3 censuses, the MCA 2010 was a supplementary module that complemented the data collected in the Listing of Households and Holdings in 2009. Such listing operation was done by the Settlement and Land Records Department (SLRD) of the Ministry of Agriculture and Irrigation (MoAI). The MCA 2010 utilized sample households with agricultural holdings that engaged in crop cultivation and/or keeping livestock and/or poultry during specific reference period.

In MCA 2010, an agricultural holding in RoUM comprised of livestock/poultry of at least 1 large livestock (cattle/buffalo/donkey/mule) and/or at least 4 small livestock (sheep/goat/pig) and/or at least 30 poultry (chicken/duck/quail) kept/bred as of the time of enumeration and/or at least 0.05 acre of land used wholly or partly in crop cultivation, regardless of title and legal form. Following this definition, the number of household agricultural holdings enumerated in the MCA 2010 was estimated at 5.4 million. Of these, 3.9 million (71.5 percent) were combined crop and livestock holdings; 1.1 million (20.5 percent) crop holdings only and 0.4 million (8.0 percent) livestock/poultry holdings only. The area of the agricultural holdings in 2010 totaled to 31.6 million acres. The number and area of agricultural holdings in 2010 increased substantially by 49 percent compared to that of the 2003. With the increasing total number and area of household crop holdings, the average area per crop holding was recorded at 6.34 acres in 2010 from 6.35 acres in 2003, registering a minimal decline of 0.16 percent during the seven-year period.

There were also 6,327 special holdings enumerated in the census. These special holdings were operated and managed by non-household holdings (such as corporations, institutions, etc.) and by special households in RoUM. Hence, the total agricultural holdings in the country were tallied at 5.43 million, an increase of about 62 percent from that of 2003.

The agricultural holdings in RoUM in 2010 were composed of any piece or pieces of land entirely surrounded by other land, water, road, forest, etc. not forming part of the holding. These were called parcel(s) (or lokwet in local terms) that were distinctly identified in the household crop holdings/sub-holdings. The household crop holdings/sub-holdings reported 7.6 million parcels in 2010, which was more than twice as much as the number reported in 2003. This could be due to the increasing agricultural holdings with less than 10 parcels, particularly, the one-parcel agricultural holdings. The average area per parcel in the household crop holdings/sub-holdings was expanded by 39.2 percent from 3 acres per parcel in 2003 to 4.2 acres per parcel in 2010. This could be attributed to households procuring/renting adjacent lands to their owned/rented lands.

Other basic information of the household crop holdings were the legal status and the parcel attributes such as type of lands, main land use and land tenure. Of the total household crop holdings/sub-holdings reporting legal status, 99.5 percent were single-household operated. Among the types of land existing in the country, 49 percent of the total parcels were paddy lands while 33 percent were dry lands. In terms of land use, 99 percent of the total parcels were devoted to crops; of which 98 percent were under temporary crops, 8 percent were under permanent crops and the rest were combined annual and permanent crops. In 2010, 7.4 million (97 percent) parcels occupying a total area of 30.6 million acres were owner-like, that is, these parcels were leased by the agricultural households from the government for specific number of years.

90 percent of the total parcels that were under annual crops occupied 93 percent of the total actual area of the household crop holdings/sub-holdings. This implied that the 10 percent of the total parcels were used for other purposes. The area planted to annual crops was almost doubled the total actual size of the 6.8 million parcels. This implied that the annual crops in RoUM were being grown in an average of 2 cropping durations. The types of annual crops existing in Myanmar were cereals for grain, pulses, tubers and root crops, vegetables, industrial annual crops, etc.

Among the types of annual crops planted in RoUM, the area planted to pulses increased by 147 percent from 5.96 million acres in 2003 to 14.74 million acres in 2010. Pulses became popular to agricultural households since these were good sources of protein as well as good income provider next to paddy.

The area planted to cereals for grain such as paddy was the biggest in 2003 at 14.46 million acres and even became bigger by 70 percent in 2010 reaching 24.60 million acres. Area planted to vegetables also expanded by 23 percent; however, area planted to industrial annual crops declined by 94 percent and that of tuber and root crops by 34 percent.

There were ten major crops emphasized in the MCA 2010, namely, paddy, maize (seed), black gram, green gram, pigeon pea, sugarcane, groundnut, sunflower, sesame and long staple cotton. The biggest area planted to paddy (2 million acres) was in Pyapon district of Ayeyarwady while the smallest area planted was in Yangon West district. Maize seeds were produced not as big as paddy but it was considered also as important crop that may be used as substitute for paddy in case of emerging food insecurity. The biggest maize producer was Taunggyi district. Hinthada district grew black gram (or matpe) abundantly. Yangon South district led in planting green gram (or pedesein) with its reported area planted at 1.3 million acres. Pigeon peas and ground nuts were widely planted in Shwebo district; sunflower in Maubin district; sesame in Magway district, sugarcane in Katha district and long staple cotton in Kyaukse district.

The number of parcels (728 thousand) under permanent crops in compact planting was smaller than those under annual crops. The biggest area of compact plantation could be found in Mon State at 625 thousand acres. Kayah had the smallest size of compact plantation at 40.4 acres. More or less 41 million productive trees/permanent crops were in scattered planting. Ayeyarwady Region shared 12.9 million scattered productive trees, the biggest among the 17 regions/states.

The number of household agricultural holdings that implemented agricultural practices registered an increase of 45 percent, from 3.3 million in 2003 to 4.8 million in 2010. Among the agricultural practices, irrigation was used in around 22 percent of the total parcels. The area irrigated using the different types of irrigation facilities increased from 3.43 million acres in 2003 to 5.77 million acres in 2010. This was due to the increasing irrigation sources/facilities in the country such as own well (increased at 116 percent), rivers/creeks, government dams/canals, private dams/canals, etc.

Within the seven years, the number of household crop holdings/sub-holdings using equipment and machinery increased by 47.3 percent as such the number using thresher, sprayer, inter-cultivator and power tiller increased tremendously by more than 100 percent from 2003 to 2010. This could be a sign of transforming the traditional to mechanized farming system in the household agricultural holdings.

The household crop holdings/sub-holdings used also other various improved practices



such as weeding of crop fields, use of pesticides/herbicides/insecticides, organic fertilizer, inorganic fertilizer, and use of improved seeds. Among these improved practices, weeding of crops fields and use of organic fertilizers were reported to have been applied by 9 out of 10 agricultural holdings. Local rice seeds were preferred by 43 percent of the household crop holdings/sub-holdings compared to rice seeds of high yielding varieties (37 percent).

Two in every 5 household crop holdings/sub-holdings in the RoUM used exchanged labour. On the other hand, eighty (80) percent of the household crop holdings/sub-holdings hired outside labour. Another 43 percent of the household crop holdings/sub-holdings availed of agricultural services.

Another type of agricultural holdings was those engaged in livestock/poultry keeping. About 4.31 million households had livestock/poultry holdings/sub-holdings as of the time of the census undertaking. Among these households, 3.6 million were keeping cattle/buffaloes/other large livestock, 1.4 million kept pigs/sheep/goat/other small livestock, and 2.5 million were engaged in keeping chickens/ducks/other poultry. Of the total 4.31 million household livestock/poultry holdings/sub-holdings, 99.5 percent or almost all were operated by single household.

About 1,128 special livestock/poultry holdings were operated and managed by government corporations/institutions (39 percent), private institutions (32 percent) and other entities including special households.

Around 12.7 million heads of large livestock were kept as of the time of census enumeration by the household livestock/poultry holdings/sub-holdings. 99.7 percent of these large livestock were cattle and buffaloes. Of the total number of cattle/buffaloes kept, the majority (80.7 percent or 10.2 million heads) were draught cattle followed by draught buffalo (11.7 percent or 1.4 million heads). Four out of five draught cattle and 7 of the 10 draught buffaloes kept by the household livestock/poultry holdings were at least 3 years old.

With regards to small livestock kept, about 4.4 million heads were kept during the time of the census. Among these, the number of pigs and goats comprised 62.9 percent and 24.8 percent of the total small livestock, respectively. The sheep kept and reported as of the census enumeration were not as big as the number of pigs and/or goats but significant enough to note that even in RoUM sheep holding/sub-holding could be operated.

The 2.5 million poultry holdings/sub-holdings reported to have raised and kept around 33.9 million chickens, 3.3 million ducks, 0.4 million quails and 68 thousand other kinds of poultry.

With regards to disposing livestock/poultry, most of the household livestock/poultry holders/sub-holders preferred selling livestock/poultry to consuming these to earn more money to buy other basic goods. 87.4 percent of the total disposed cattle were sold, which was higher than the percentage of buffaloes sold (72.2 percent). As the disposal of cattle grew by 89 percent, the disposal of buffaloes declined by 51 percent within the seven-year period.

In 2010, 12,512 aquaculture holdings were operated mainly by single households (94 percent or 11.8 million) and 6 percent or 748 thousand were managed jointly by 2 or more households. These aquaculture holdings were composed of around 14 thousand aqua-farms or an average of one aqua-farm per aquaculture holding.

575 special aquaculture holdings were reported to be operated by private institutions (45 percent); government corporations/institutions (40 percent); and single proprietorship (14

percent). A total of 657 aqua-farms were operated by special aquaculture holdings.

There were five specific aquaculture operated in the country: 76.3 percent of the total household aqua-farms were utilized in pond culture; followed by rice-cum-fish culture (10.5 percent) and hatchery/nursery (7.4 percent). Cage and pen cultures were just recently introduced to the country; hence, these were the least common aqua-farms in 2010.

The agricultural holding population reached 25.7 million as of the census undertaking. There were more women (51 percent) than men (49 percent) that composed the membership in the agricultural households. Majority of these households were headed by males; if ever there were female heads, this was due to widowhood.

There were more working age populations (15-49 years old) than elderly population (50 years old and over) which implied that there would be more people to inherit and continue the agricultural activities in the crop and/or livestock sub-holdings/holdings. However, the population aged less than 10 years old were smaller than the working age populations, which meant that if this would continue to become smaller in the coming years and with modernization entering RoUM, the operation of household agricultural holdings would somehow be affected.

Around three fourths (or 75 percent) of the total agricultural holding population aged 10 years old and over worked in their own agricultural holdings while 13 percent worked in other agricultural holdings. Only 8 percent worked outside of agriculture, in industries or services.

Rice and vegetables were commonly consumed by the agricultural households. Other types of foods such as fish, pulses, meat, etc. were consumed either weekly or monthly. Of the total agricultural households, only 7.3 percent reported to have difficulty in accessing the specified basic food items sometime in the past 12 months (based on the reference period used in the data collection). Seven out of ten of these households reported to have low production of basic food due to shortage of capital and land area. Two-fifths of these households could not afford to eat some of the basic food items due to its very high cost.

Of the total households with difficulty in accessing the basic food item, 91.7 percent had taken steps to solve food inaccessibility. More than 50 percent of these households sent some of their members to look for other sources of income and/or sold other cash non-food crops/some livestock/ properties.

In the coming days or in the future, only around 3 percent of the agricultural households perceived inaccessibility of the basic food items. Of these households, 7 of the 10 households were very uncertain of what would happen in the coming days/months; and 1 out of 2 households was not so sure whether there will be enough income to buy all/some of these food items and/or increasing prices would hinder them to buy and eat some of these foods and/or not so sure whether there would be a good harvest of the crops planted.

These households that perceived food inaccessibility in the coming days/months had already devised steps to access the basic food items. Three-fourths of them reported to find other jobs/business aside from farming/ keeping/breeding livestock/poultry; 3 out of 5 of these households would start/increase effort in keeping/breeding livestock/poultry and/or would increase crop production using HYV crop seeds; and 3 in every ten of them would train/guide household members in helping/operating the agricultural holding.

## Foreword

In order to implement the Food and Agriculture Organization's (FAO) recommendation to undertake an agricultural census at least once every ten years, agricultural censuses were carried out in the Republic of the Union of Myanmar in 1953, 1993 and 2003. In order to update the data on the agricultural sector for the country's policy-makers, decision-makers and concerned organizations for planning purposes, the Settlement and Land Records Department (SLRD) of the Ministry of Agriculture and Irrigation (MOAI) launched, in collaboration with FAO, comprehensive work plans for the Myanmar Census of Agriculture 2010 (MCA 2010) in conformity with the guidelines of FAO's World Census of Agriculture 2010.

The MCA 2010 was undertaken in two phases: (1) preliminary implementation and enumeration of the Myanmar Agricultural Census Core Module, including the listing of households to identify the farm families, conducted between early 2008 and March 2009; and (2) enumeration of the Supplementary Module 2010 carried out from February to March, 2011 under FAO's Technical Cooperation Programme of TCP/MYA/3301(D).

The MCA 2010 covered 17 regions and states, 66 districts, 351 townships and sub-townships, 12,375 village tracts, 1,917 blocks, 53,530 villages and 2,496 sub-blocks throughout the country. A total of 1.57 million agricultural census questionnaires were used to gather information in 0.56 million agricultural holdings across regions and states.

This publication was prepared with the assistance of FAO for the benefit of all data users, and therefore, it is believed that the publication will be able to satisfy their needs for agricultural data and help them to address issues such as food security, poverty alleviation and gender mainstreaming.

I would like to express my sincere thanks and appreciation for the logistical support that was extended by the Minister for Ministry of Agriculture and Irrigation that enabled the SLRD to undertake the MCA 2010.

I would like to extend my gratitude also to FAO Myanmar for providing the technical assistance and financial aid that contributed to the completion, analysis and publication of the MCA 2010, to all staff and concerned departments of the MOAI, the Ministry of Livestock and Fisheries, the Ministry of National Planning and Economic Development, the Ministry of Environmental Conservation and Forestry, the Department of Population under the Ministry of Immigration and Population as well as all consultants and others who contributed in one way or another to the successful implementation of MCA 2010.

**U MYINT SWE**  
Director-General, SLRD  
Chairman of the Steering Committee





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## List of Abbreviations

CM	Core Module
CV	Coefficient of Variation
FAO RAP	Food and Agriculture Organization Regional Office for Asia and the Pacific
FSU	Final Sampling Unit
HYV	High Yielding Varieties
MCA	Myanmar Census of Agriculture
MoAI	Ministry of Agriculture and Irrigation
MSE	Mean Square Error
PPS	Probability Proportional to Size
PSU	Primary Sampling Unit
RoUM	Republic of the Union of Myanmar
RS	Random Start
SE	Standard Error
SI	Sampling Interval
SLRD	Settlement and Land Records Department
SM	Supplementary Module
WCA	World Programme for the Census of Agriculture

## Selected summary statistics

Selected Variable/Indicator	MCA 2010 SM Results
Total household agricultural holdings	5,419,756
Total special agricultural holdings	6,327
All agricultural holdings (household and special holdings)	5,426,083
Total household crop holdings/sub-holdings (solely operated)	1,113,473
Total special crop holdings	5,199
Total combined household crop and livestock/poultry holdings	3,873,199
All crop holdings/sub-holdings (household and special holdings)	4,991,871
Total household livestock/poultry holdings/sub-holdings (solely operated)	433,084
Total special livestock/poultry holdings	1,128
All livestock/poultry holdings/sub-holdings (household and special holdings)	434,212
Total actual area of all crop holdings/sub-holdings (household and special holdings) in acres	32,936,292
Total number of parcels (household and special holdings)	7,569,088
Average area of all crop holdings/sub-holdings (household and special holdings) in acres	6.60
Average area of all parcels (household and special holdings) in acres	4.35
Area under annual crops only (household and special holdings) in acres	29,504,460
Area under permanent crops only (household and special holdings) in acres	2,600,726
Area under combined annual and temporary crops (household and special holdings) in acres	599,212
Total area of compact plantations (household and special holdings) in acres	2,596,828
Area planted to paddy (household and special holdings) in acres	23,136,628
Area planted to maize seeds (household and special holdings) in acres	1,104,988
Area planted to black gram (household and special holdings) in acres	5,847,250
Area planted to green gram (household and special holdings) in acres	3,801,098
Area planted to pigeon pea (household and special holdings) in acres	2,545,811
Area planted to ground nut (household and special holdings) in acres	1,827,318
Area planted to sunflower (household and special holdings) in acres	513,237
Area planted to sesame (household and special holdings) in acres	3,853,372
Area planted to sugarcane (household and special holdings) in acres	387,990
Area planted to long staple cotton (household and special holdings) in acres	199,494

## Selected summary statistics (contd.)

Selected Variable/Indicator	MCA 2010 SM Results
Total number of cattle as of census enumeration (includes special holdings)	11,168,027
Total number of buffaloes as of census enumeration (includes special holdings)	1,508,625
Total number of pigs as of census enumeration (includes special holdings)	2,771,787
Total number of goats as of census enumeration (includes special holdings)	1,092,187
Total number of chickens as of census enumeration (includes special holdings)	36,025,378
Total number of aquaculture holdings (household and special holdings)	13,087
Total surface area under pond culture (household and special holdings)	169,259
Total surface area under rice-cum-fish culture (household and special holdings) in acres	20,779
Total agricultural household population/members	25,720,907
Percentage of male members	48.84
Percentage of female members	51.16
Percentage of male-headed households	84.95
Percentage of female-headed households	15.05
Median age of male members	22
Median age of female members	20
Median age of male heads	40
Median age of female heads	65
Percentage of agricultural household population that entered school	90.13
Percentage of population 10 years old and over	86.81
Percentage of agricultural working population 10 years old and over	81.04
Percentage of agricultural population 10 years old and over working in own agricultural holding	92.80
Percentage of agricultural population 10 years old and over working in other sectors/industries/services (non-agriculture/non-fishing/non-forestry-related activity)	11.58
Percentage of households with agricultural holdings with difficulty in accessing the specified basic food items sometime in the past 12 months	7.33
Percentage of households with agricultural holdings with difficulty in accessing basic food items that reported steps taken in solving food inaccessibility sometime in the past 12 months	91.70
Percentage of households with agricultural holdings that perceived inaccessibility of the specified basic food items in the coming days/months	2.51
Percentage of households with agricultural holdings that perceived inaccessibility of the specified basic food items and that reported the steps to be taken to access food in the coming days/months	99.92

### Selected Summary Statistics (contd.)

Selected Variable/Indicator	MCA 2010 SM Results
Percentage of village tracts reporting motorcycles as means of transportation	85.8
Percentage of village tracts reporting trolleys for carrying load and public transportation	64.7
Percentage of village tracts with access to mobile phones and telephone facilities	77.1
Percentage of village tracts with telegraph and auto exchange facilities	8.2
Percentage of village tracts with post office	5.9
Percentage of village tracts with Women's Organization	60.9
Percentage of village tracts with existing NGOs	35.6
Percentage of village tracts with existing INGOs	3.4
Percentage of village tracts whose residence were engaged in crop production	99.0
Percentage of village tracts with access to public market	11.1
Percentage of village tracts with primary schools	95.2
Percentage of village tracts with middle schools	25.7
Percentage of village tracts with high schools	10.1
Percentage of village tracts with college/university	0.8
Percentage of village tracts using tubed/piped drinking water system	48.5
Percentage of village tracts using well for drinking water	68.6
Percentage of village tracts with health center	42.4
Percentage of village tracts with hospital	4.3
Percentage of village tracts with clinic	27.2
Percentage of village tracts reporting prone to disaster	33.1
Percentage of reporting village tracts prone to disaster 2-3 times in the last 5 years	98.3
Percentage of reporting village tracts prone to disaster more than 3 times in the last 5 years	1.7
Percentage of village tracts with thresher	53.2
Percentage of village tracts with rice mill	70.6



# Chapter I - Basic information

## 1.1 Background

The Republic of the Union of Myanmar (RoUM) is the second largest country in Southeast Asia. It has abundant arable land, forests, natural resources, minerals, gas, oil and freshwater and marine products. It has an estimated population of about 59.11 million (2010) and a land area of approximately 677,000 square kilometres. From east to west it stretches a distance of 936 kilometres and from north to south a distance of 2,502 kilometres. The RoUM is geographically bounded in the west by India (sharing a border for about 1,339 kilometres) and Bangladesh (with a shared border measuring 274 kilometres); in the east it shares a 2,108 kilometres border with Thailand and a border of about 225 kilometres with the People's Democratic Republic of Laos; and in the north and east it shares a 2,205 kilometres border with the People's Republic of China. The southern portion is bounded by the Andaman Sea and the Bay of Bengal giving a coastline of 2,832 kilometres.



Source: Maps and cartography in Wikimedia Commons



Source: Administrative maps of RoUM from UN Cartographic Section

The RoUM is composed of nine states, namely Kachin, Kayah, Kayin, Chin, Mon, Rakhine, Shan South, Shan North and Shan East and eight regions, namely Sagaing, Tanintharyi, Bago East, Bago West, Magway, Mandalay, Yangon and Ayeyarwady. At the time of the enumeration periods of the Core and Supplementary Modules of the Myanmar Census of Agriculture (2010), within the reference period of 2009 to 2010, the State Peace and Development Council (the former government) had administratively divided the Union of Myanmar into 17 states and divisions. On 1 April 2011, the current government of Myanmar officially announced the change in the country's name from the Union of Myanmar to the Republic of the Union of Myanmar and re-designated the 17 states and divisions into 14 regions and states plus Nay Pyi Taw, formerly under the Mandalay Division. These regions and states are divided into four ecological zones: delta zone, central plain or dry plain zone, coastal zone and mountainous zone. The RoUM has two climates, tropical and subtropical or temperate. The northern part of the country is mountainous and the source of four major river systems: the Ayeyarwady, the Chindwin, the Thanlwin

(Salween) and the Sittaung. The climate in this northern part is cool throughout the year whereas the southern part is affected by the southwest monsoon that provides rain from May to October. The RoUM has a cool and dry climate throughout the whole country starting October until February of the following year. The summer season or the hottest season is between March and April.

The RoUM has been a member of the Association of Southeast Asian Nations (ASEAN) since 1997 and as such has shared information, knowledge and experience with other ASEAN members and international organizations. Indeed, it undertook the third census of agriculture in 2003 to be able to provide more comprehensive and up-to-date information on agriculture.

Myanmar's economy is chiefly agro-based, including fisheries and forestry, and the sector accounts for nearly half the total economic output of the country and employs more than 60 percent of the total labour force. In developing the agriculture sector, emphasis has been placed in ensuring self-sufficiency in rice and expanding the cultivation of pulses and beans, cotton, sugarcane, rubber and oilseed crops for export. In May 2008, the country was unexpectedly hit by Cyclone Nargis, one of the deadliest cyclones in the history of RoUM. This affected more than 2 million people and caused economic losses estimated to be about 2.7 percent of the officially projected national gross domestic product (GDP) in 2008.

Despite the fact that a census of agriculture had been conducted in 2003, in March 2009, The Ministry of Agriculture and Irrigation (MoAI), through its Settlement and Land Records Department (SLRD), proposed another census of agriculture to the Food and Agriculture Organization Regional Office for Asia and the Pacific (FAO RAP) and sought to obtain technical assistance under the World Programme for the Census of Agriculture (WCA) 2010. SLRD had already taken the initiative to undertake the preparatory work in the third quarter of 2008. It included the listing of households to identify farm families as part of a Core Census Module, hereafter Core Module (CM), which was completed in early 2009. Summary statistics at region/state level were manually prepared thereafter. Through the Technical Cooperation Programme of FAO Myanmar, the Census of Agriculture 2010 Supplementary Census Module, hereafter Supplementary Module (SM), was conducted in February and March 2011.

## **1.2 Objectives of the MCA 2010 SM**

The main objective of the MCA 2010 Supplementary Module (SM) was to provide basic data on the current agricultural situation in the country for the use of the planners and policy-makers. Specifically, the new set of census data would be useful in terms of calculating the current structure of crop holdings as well as livestock and poultry holdings and aquaculture activities in the country. It could also be used in selecting a sub-sample of agricultural households for future agricultural surveys.

## **1.3 Authority of the MCA 2010 SM**

The MoAI was given the mandate to undertake the decennial census of agriculture in the RoUM. The MoAI authorized SLRD to plan, prepare and implement the MCA 2010 SM as well as to process, tabulate, analyse and disseminate the results.

All data that were collected from individuals/households/holdings regarding MCA 2010 SM were held strictly confidential and not divulged to any person except to the authorized MoAI personnel, acting in an official capacity.

## 1.4 Scope of the MCA 2010 SM

The MCA 2010 SM utilized five questionnaires. The scope of each questionnaire is presented as follows:

### **MCA Form A – Questionnaire for crop cultivation**

- a) Legal status of the holder.
- b) Parcel characteristics (number, area of the holding, area of each parcel, location, land type, main land use, land tenure, area irrigated and type of irrigation).
- c) Crops planted: annual crops (name, code, cropping duration, area planted, cropping pattern and area harvested and quantity of production for ten major annual crops) and permanent crops (name, code, area if compact plantation and number of productive trees if scattered planting).
- d) Agricultural practices: use of tool/machine/equipment (kind, number owned and number borrowed/rented), use of agricultural building/structure (kind, number and whether occupied or not), use of other agricultural practices (fertilizers, pesticides/herbicides/insecticides, rice seeds of high yielding variety (HYV), contour/terrace farming, weeding of crop fields and building dike to preserve water/prevent flood) and type of rice seeds of HYVs.
- e) Hired labour (outside labour whether full-time or part-time or seasonal labourers).

### **MCA Form B –Questionnaire for keeping/breeding livestock/poultry**

- a) Legal status of the holder.
- b) Livestock kept according to the number by kind, breed, age and sex of large livestock and small livestock (minus the breed).
- c) Poultry kept according to the number by kind and number of weeks.
- d) Disposal of livestock/poultry in the past twelve months.
- e) Disposal of livestock/poultry products.
- f) Hired labour.
- g) Equipment used in the livestock/poultry holding.
- h) Building/structure used in the livestock/poultry holding.
- i) Agricultural crops growing around the livestock/poultry holding as of day of visit.

### **MCA Form C – Aquaculture holding questionnaire**

- a) Legal status of the holder.
- b) Number of aquaculture activities.
- c) Aquaculture characteristics (number, surface physical area of each aqua-farm, location, type of water, production facility, main species cultured, means of disposal, whether producing fry and/or fingerlings).
- d) Machinery/equipment used in the aquaculture holding.
- e) Household members involved (for household-based only) by age and sex.
- f) Hired labour.
- g) Agricultural crops growing around the aquaculture holding.

### **MCA Form D – Household questionnaire**

- a) Holding population (total number, name, relation to head, sex, age, education attained, marital status, economic activity and involvement in own holding).
- b) Forestry-related activity (whether engaged or not and type of activity).
- c) Small-scale fishing activity (whether engaged or not, main person responsible, main purpose, fishing location, fishing gear and fishing boat).
- d) Food accessibility.

### **MCA Form E – Village tract questionnaire**

- a) Type of soil existing in the village tract.
- b) Topography of the village tract.
- c) Mode of transport.
- d) Main economic activities.
- e) Existence of seasonal labour movement.
- f) Incidents of natural disaster within previous five years.
- g) Agricultural land area.
- h) Number of times of crop cultivation.
- i) Availability of agroprocessing equipment/machines.
- j) Available school in the village tract.
- k) Communication facilities.
- l) Health facilities.
- m) Water facilities.
- n) Access to roads and markets.
- o) Presence of women's organization.
- p) Existence of NGO/INGO in the village tract.
- q) Characteristics of the people residing in the village tract.

The MCA 2010 SM also utilized five control forms – MCA Control Form 1A (List of households and agricultural holdings in sample villages), MCA Control Form 1B (List of large household agricultural holdings), MCA Control Form 1C (List of ward household agricultural holdings), MCA Control Form 2 (List of household aquaculture holdings) and MCA Control Form 3 (List of non-household sectors' holdings).

## **1.5 Coverage of the MCA 2010 SM**

The MCA 2010 SM was undertaken two years after the CM in which the listing of households in all villages/blocks in the country was undertaken in February and March 2009. The SM was considered as the second phase of the MCA and its enumerators interviewed all large household agricultural holdings in the rural villages and listed all households residing in the sample villages to determine those with small agricultural holdings. The enumerators also interviewed about 30 percent of these households. The SM also covered all household agricultural holdings in the ward (only those covered in the CM), all households with aquaculture holdings and all non-household sectors involved in crop production, keeping/breeding livestock/poultry and aquaculture operations. For the first time in the undertaking of a census of agriculture in Myanmar, the SM also collected selected information on all village tracts/wards such as physical attributes, population characteristics and available agricultural services.

## 1.6 Reference and enumeration period

Generally, the MCA 2010 SM covered the twelve months prior to the beginning of the enumeration (31 January 2010 to 1 February 2011). However, to be more specific in collecting information, the following reference periods were used:

### **MCA Form A – Questionnaire for crop cultivation**

- a) Agricultural holding/holder identification, legal status of the holder and parcel characteristics – past twelve months.
- b) Crops planted (all annual crops) and harvest/production of ten major crops – cropping duration/cropping period.
- c) Crops planted for all permanent crops – past twelve months.
- d) Other remaining sections – past twelve months.

### **MCA Form B – Questionnaire for keeping/breeding livestock/poultry**

- a) Identification of main person keeping/breeding livestock/poultry or holder identification and legal status of the holder/person – past twelve months.
- b) Livestock/poultry kept – as of time of visit/day of enumeration/ interview.
- c) Disposal of livestock/poultry and products – past twelve months.
- d) Hired labour and machinery/tools/equipment/building/structure used – past twelve months.
- e) Agricultural crops around the livestock/poultry place – as of time of visit/day of enumeration/interview.

### **MCA Form C – Aquaculture holding questionnaire**

- a) Aquaculture holding/holder identification, legal status of the holder and details of the aquaculture activities – past twelve months.
- b) Hired labour, machinery/tools/equipment/building/structure used and involvement of other members – past twelve months.
- c) Agricultural crops around the aquaculture holding – as of time of visit/day of enumeration/interview.

### **MCA Form D – Household questionnaire**

- a) Household population socio-demographic characteristics – as of time of visit/ day of enumeration/interview.
- b) Household population economic characteristics – past twelve months.
- c) Other remaining sections – past twelve months.

### **MCA Form E – Village tract/ward questionnaire**

- a) All sections except “incidents of natural disaster” – as of time of self-enumeration.
- b) Incidents of natural disaster – previous five years.

The enumeration period of the MCA 2010 SM was during February and March 2011. Kindly note that “RoUM: 2003” stands for the Republic of the Union of Myanmar Agriculture Census Report 2003” and “RoUM: 2010” refers to the Republic of the Union of Myanmar Agriculture Census 2010”.





## Chapter II - Census methodologies

The fourth Myanmar Census of Agriculture was composed of the CM, which was carried out in February and March 2009 and the SM, which was carried out in February and March 2011. The CM involved the listing of households and agricultural holdings in more or less 85 percent of the villages in every village tract of every township of each region/state. The CM should have been used as the sampling frame of the SM from which the sample households would be selected. However, because of a gap of almost two years, this was not used comprehensively in the SM. The CM results were not released for public use because SLRD became busy with the preparatory activities of the MCA 2010 SM.

In the CM, there were several groups of agricultural holdings that could be identified: small agricultural holdings, large agricultural holdings, and ward agricultural holdings. The agricultural holdings could either be crop cultivating and/or livestock/poultry keeping/ breeding. The definition of the small and large agricultural holdings was based on the criteria set by SLRD.

The small agricultural holding satisfied any of the following criteria:

1. At least 0.05 acre but less than 50 acres
2. 1 to 9 large livestock (cattle/buffalo/donkey/etc.)
3. 4 to 29 small livestock (sheep/goat/pig/etc.)
4. 30 to 499 poultry
5. Any of the following combination: 1 small livestock and 25 poultry or 2 small livestock and 15 poultry or 3 small livestock and 10 poultry.

An agricultural holding was considered large if any of the following criteria were satisfied:

1. At least 50 acres of agricultural land cultivated
2. At least 10 large livestock kept
3. At least 30 small livestock kept
4. At least 500 poultry kept.

### 2.1 Census methodologies and their limitations

The following census methodologies used in the MCA 2010 SM and their limitations should be noted.

1. The CM of the fourth MCA was used only in selecting sample villages at the township level. The sampling design used was probability proportional to size (PPS).

The CM results were used in selecting the sample villages, in which all households were listed. Subsequently, all those with holdings were identified during the SM. During the listing carried out for the CM, only the households with small agricultural holdings in sample villages were subjected to systematic sampling and simultaneously interviewed. However, all households with large agricultural holdings identified during the listing in sample villages and all large holdings enumerated during the CM in non-sample villages in every township were completely enumerated during the conduct

of the SM. Likewise, all ward agricultural holdings purposively chosen during the CM were also completely enumerated or interviewed during the SM.

The sampling design of the MCA 2010 SM was carried out in two stages. The first stage was the selection of sample villages at the township level using PPS. The primary sampling unit (PSU) in the first stage was the village and the domain was the township. Using the CM results, the number of households engaged in small agricultural holdings (crop cultivation and/or livestock/poultry keeping) was used as indicators. The following procedures were used in getting the number of sample villages and in selecting these villages.

- a) All villages in every township were arranged according to their geographic codes. Then the number of households engaged in small agricultural holdings was cumulated starting from the first village down to the last village in the township. The cumulated number of households with small agricultural holdings in the last village in the township was equal to the total number of small agricultural holdings reported in the township during the CM.
- b) The total number of households with small agricultural holdings in the township was divided by twenty percent of the total number of villages to get the sampling interval (SI).
- c) Between 1 and the sampling interval, a random number was chosen to determine the succeeding numbers of the villages to be included in the sample. The succeeding numbers of the villages were determined using the following series of formulas starting at the random start:  $RS$ ;  $RS+SI$ ;  $RS+2SI$ ;  $RS+3SI$ ;  $RS+4SI$ ;  $RS+5SI$ ; ...;  $RS+(n-1)SI$ . Example: See illustration in the following page. Amar Township in Ayeyawardy was used to illustrate the sampling procedures. Please see next page.
- d) After the sample villages were determined, the number of households with small agricultural holdings reported in the CM for these sample villages was used to determine the expected number of sample small agricultural holdings. This expected number was not yet the final number of sample agricultural holdings to be enumerated. This either increased or decreased depending on the results of the listing of all households in the sample villages. The sampling rate used in computing the number of sample villages at the township level was 20 percent.

# Illustration-1 Selection of Sample Villages in the Township of Amar, Ayeyarwady

SD	SDNAME	DT	DTNAME	TN	TNNAM	VB	VBNAME	VL	VLNAME	Village Serial No	Total Household	Cumulated size	Sampling No
017	Ayeyarwad 005	Pyapon	Pyapon	901	Amar	001	Saze Ma	001	Saze Ma(East)	1	72	72	C
017	Ayeyarwad 005	Pyapon	Pyapon	901	Amar	001	Saze Ma	002	Saze Ma (Weat)	2	29	101	C
017	Ayeyarwad 005	Pyapon	Pyapon	901	Amar	001	Saze Ma	003	Naung Hlan Ngu	3	29	130	C
017	Ayeyarwad 005	Pyapon	Pyapon	901	Amar	001	Saze Ma	004	Yoe Kone	4	107	237	224
017	Ayeyarwad 005	Pyapon	Pyapon	901	Amar	001	Saze Ma	005	Kyawe Tae	5	35	272	C
017	Ayeyarwad 005	Pyapon	Pyapon	901	Amar	001	Saze Ma	006	Char Chin	6	43	315	C
017	Ayeyarwad 005	Pyapon	Pyapon	901	Amar	001	Saze Ma	007	Ma Hmawe Kwin	7	30	345	C
017	Ayeyarwad 005	Pyapon	Pyapon	901	Amar	002	Kyaung Kone	001	Kyaung Kone	8	108	453	C
017	Ayeyarwad 005	Pyapon	Pyapon	901	Amar	002	Kyaung Kone	002	Ka Nynin Ta Pin	9	104	557	541
017	Ayeyarwad 005	Pyapon	Pyapon	901	Amar	002	Kyaung Kone	003	Pyat Khar	10	53	610	C
017	Ayeyarwad 005	Pyapon	Pyapon	901	Amar	003	Bo Ba Kone	001	Bo Ba Kone	11	124	734	C
017	Ayeyarwad 005	Pyapon	Pyapon	901	Amar	003	Bo Ba Kone	002	Nhit Char	12	252	986	858
017	Ayeyarwad 005	Pyapon	Pyapon	901	Amar	004	Nauk Mee	001	Anauk Back Lane	13	52	1038	C
017	Ayeyarwad 005	Pyapon	Pyapon	901	Amar	004	Nauk Mee	002	Min Ga Lar Thauing Tane	14	32	1070	C
017	Ayeyarwad 005	Pyapon	Pyapon	901	Amar	004	Nauk Mee	003	Nauk Mee East(1)	15	92	1162	C
017	Ayeyarwad 005	Pyapon	Pyapon	901	Amar	004	Nauk Mee	004	Nauk Mee East(2)	16	8	1170	C
017	Ayeyarwad 005	Pyapon	Pyapon	901	Amar	004	Nauk Mee	005	Alan Taing	17	18	1188	1175
017	Ayeyarwad 005	Pyapon	Pyapon	901	Amar	004	Nauk Mee	006	Taw Kyoe	18	27	1215	C
017	Ayeyarwad 005	Pyapon	Pyapon	901	Amar	004	Nauk Mee	007	Oo Pa	19	25	1240	C
017	Ayeyarwad 005	Pyapon	Pyapon	901	Amar	004	Nauk Mee	008	Hlan Pin Kone	20	21	1261	C
017	Ayeyarwad 005	Pyapon	Pyapon	901	Amar	005	Tal Pin Saze	001	Tal Pin Saze	21	52	1313	C
017	Ayeyarwad 005	Pyapon	Pyapon	901	Amar	005	Tal Pin Saze	002	Ashae Ma Yan	22	35	1348	C
017	Ayeyarwad 005	Pyapon	Pyapon	901	Amar	005	Tal Pin Saze	003	War Kone	23	36	1384	C
017	Ayeyarwad 005	Pyapon	Pyapon	901	Amar	005	Tal Pin Saze	004	Zauk Chaung	24	54	1438	C
017	Ayeyarwad 005	Pyapon	Pyapon	901	Amar	005	Tal Pin Saze	005	Ywar Thit Su	25	56	1494	1492
017	Ayeyarwad 005	Pyapon	Pyapon	901	Amar	005	Tal Pin Saze	006	Chaung Bye Gyi	26	29	1523	C
017	Ayeyarwad 005	Pyapon	Pyapon	901	Amar	005	Tal Pin Saze	007	Awa Pyan	27	176	1699	C
017	Ayeyarwad 005	Pyapon	Pyapon	901	Amar	005	Tal Pin Saze	008	Tup Kho Kwin Chaung	28	157	1856	1809
017	Ayeyarwad 005	Pyapon	Pyapon	901	Amar	005	Tal Pin Saze	009	War War Win	29	113	1969	C
017	Ayeyarwad 005	Pyapon	Pyapon	901	Amar	005	Tal Pin Saze	010	Seain Pan	30	25	1994	C
017	Ayeyarwad 005	Pyapon	Pyapon	901	Amar	005	Tal Pin Saze	011	Dar Too	31	97	2091	C
017	Ayeyarwad 005	Pyapon	Pyapon	901	Amar	005	Tal Pin Saze	012	Anouk Ma Yan	32	70	2161	2126
017	Ayeyarwad 005	Pyapon	Pyapon	901	Amar	005	Tal Pin Saze	013	Pho Oo San Nauk Pyan Toe	33	67	2228	C
017	Ayeyarwad 005	Pyapon	Pyapon	901	Amar	005	Tal Pin Saze	014	Byew Chaung	34	88	2316	C
017	Ayeyarwad 005	Pyapon	Pyapon	901	Amar	005	Tal Pin Saze	015	Ka Mar Hauk Nauk Pyan Toe	35	78	2394	C
017	Ayeyarwad 005	Pyapon	Pyapon	901	Amar	005	Tal Pin Saze	016	Pho Oo San	36	43	2437	C
017	Ayeyarwad 005	Pyapon	Pyapon	901	Amar	005	Tal Pin Saze	017	Kon Kwin	37	42	2479	2443
017	Ayeyarwad 005	Pyapon	Pyapon	901	Amar	005	Tal Pin Saze	018	Okpo	38	64	2543	C
017	Ayeyarwad 005	Pyapon	Pyapon	901	Amar	005	Tal Pin Saze	019	Okpo Ngwe Kha'	39	25	2568	C
017	Ayeyarwad 005	Pyapon	Pyapon	901	Amar	005	Tal Pin Saze	020	Kyauk Taing	40	130	2698	C
017	Ayeyarwad 005	Pyapon	Pyapon	901	Amar	005	Tal Pin Saze	021	Kyat Tel Koke Ko Kawe	41	49	2747	C
017	Ayeyarwad 005	Pyapon	Pyapon	901	Amar	006	Day Da Lue	001	Day Da Lue	42	24	2771	276C
017	Ayeyarwad 005	Pyapon	Pyapon	901	Amar	006	Day Da Lue	002	Chaung Wa	43	157	2928	C
017	Ayeyarwad 005	Pyapon	Pyapon	901	Amar	006	Day Da Lue	003	Phone Gyi Thauing	44	157	3085	3077
017	Ayeyarwad 005	Pyapon	Pyapon	901	Amar	006	Day Da Lue	004	Ku Lar Htaik	45	108	3193	C
017	Ayeyarwad 005	Pyapon	Pyapon	901	Amar	006	Day Da Lue	005	Shwe Hlay Kyin	46	99	3292	C
017	Ayeyarwad 005	Pyapon	Pyapon	901	Amar	006	Day Da Lue	006	Kyin Gyi Daung	47	60	3352	C

# Illustration-1 Selection of Sample Villages in the Township of Amar, Ayeyarwady (contd.)

SD	SDNAME	DT	DTNAME	TN	TNNAM	VB	VBNAME	VL	VLNAME	Village Serial No	Total Household	Cumulated size	Sampling No
017	Ayeyarwad 005	Pyapon	Pyapon	901	Amar	006	Day Da Lue	007	Gwe Dauk	48	33	3385	C
017	Ayeyarwad 005	Pyapon	Pyapon	901	Amar	006	Day Da Lue	008	Baw Di Ma	49	49	3434	3394
017	Ayeyarwad 005	Pyapon	Pyapon	901	Amar	006	Day Da Lue	009	Tar Pon	50	59	3493	C
017	Ayeyarwad 005	Pyapon	Pyapon	901	Amar	006	Day Da Lue	010	Ngod Ta Htaung	51	28	3521	C
017	Ayeyarwad 005	Pyapon	Pyapon	901	Amar	006	Day Da Lue	011	Wae Gyi	52	40	3561	C
017	Ayeyarwad 005	Pyapon	Pyapon	901	Amar	006	Day Da Lue	012	War Chaung	53	68	3629	C
017	Ayeyarwad 005	Pyapon	Pyapon	901	Amar	006	Day Da Lue	013	Ouk Twin	54	124	3753	3711
017	Ayeyarwad 005	Pyapon	Pyapon	901	Amar	006	Day Da Lue	014	Pho Su Chaung	55	191	3944	C
017	Ayeyarwad 005	Pyapon	Pyapon	901	Amar	007	Myo Kone	001	Myo Kone	56	44	3988	C
017	Ayeyarwad 005	Pyapon	Pyapon	901	Amar	007	Myo Kone	002	Kyone Hla	57	58	4046	4028
017	Ayeyarwad 005	Pyapon	Pyapon	901	Amar	007	Myo Kone	003	Kha Yu Chaung Yae Saing	58	29	4075	C
017	Ayeyarwad 005	Pyapon	Pyapon	901	Amar	007	Myo Kone	004	Pho Kawe Yoe	59	53	4128	C
017	Ayeyarwad 005	Pyapon	Pyapon	901	Amar	007	Myo Kone	005	Pha Yar Kone	60	69	4197	C
017	Ayeyarwad 005	Pyapon	Pyapon	901	Amar	007	Myo Kone	006	Ta Kun Taing	61	23	4220	C
017	Ayeyarwad 005	Pyapon	Pyapon	901	Amar	007	Myo Kone	007	Kan Su	62	36	4256	C
017	Ayeyarwad 005	Pyapon	Pyapon	901	Amar	007	Myo Kone	008	Ma Nan San	63	9	4265	C
017	Ayeyarwad 005	Pyapon	Pyapon	901	Amar	008	Daw Nyain	001	Daw Nyain	64	100	4365	4345
017	Ayeyarwad 005	Pyapon	Pyapon	901	Amar	008	Daw Nyain	002	Ka Man Dar	65	98	4463	C
017	Ayeyarwad 005	Pyapon	Pyapon	901	Amar	008	Daw Nyain	003	Tha Yat Pin Saze	66	80	4543	C
017	Ayeyarwad 005	Pyapon	Pyapon	901	Amar	008	Daw Nyain	004	Kone Ten	67	74	4617	C
017	Ayeyarwad 005	Pyapon	Pyapon	901	Amar	008	Daw Nyain	005	Pack Pyae'	68	127	4744	4662
017	Ayeyarwad 005	Pyapon	Pyapon	901	Amar	008	Daw Nyain	006	Ban Dar Pin	69	6	4750	C
017	Ayeyarwad 005	Pyapon	Pyapon	901	Amar	008	Daw Nyain	007	Khar Pyat	70	11	4761	C
017	Ayeyarwad 005	Pyapon	Pyapon	901	Amar	009	Ba Wa Thit	001	Ba Wa Thit(1)	71	47	4808	C
017	Ayeyarwad 005	Pyapon	Pyapon	901	Amar	009	Ba Wa Thit	002	Ba Wa Thit(2)	72	105	4913	C
017	Ayeyarwad 005	Pyapon	Pyapon	901	Amar	009	Ba Wa Thit	003	Ba Wa Thit(3)	73	88	5001	4979
017	Ayeyarwad 005	Pyapon	Pyapon	901	Amar	009	Ba Wa Thit	004	Ka Nyin Kone	74	39	5040	C
017	Ayeyarwad 005	Pyapon	Pyapon	901	Amar	009	Ba Wa Thit	005	Lay Pin Chaung	75	93	5133	C
017	Ayeyarwad 005	Pyapon	Pyapon	901	Amar	009	Ba Wa Thit	006	Aung Kone	76	131	5264	C
017	Ayeyarwad 005	Pyapon	Pyapon	901	Amar	009	Ba Wa Thit	007	Auk Saze Kwin	77	113	5377	5296
017	Ayeyarwad 005	Pyapon	Pyapon	901	Amar	009	Ba Wa Thit	008	Lake Chaung	78	60	5437	C
017	Ayeyarwad 005	Pyapon	Pyapon	901	Amar	009	Ba Wa Thit	009	Pa Thi	79	30	5467	C
017	Ayeyarwad 005	Pyapon	Pyapon	901	Amar	009	Ba Wa Thit	010	Taung Kwin	80	21	5488	C
017	Ayeyarwad 005	Pyapon	Pyapon	901	Amar	009	Ba Wa Thit	011	Kanar Kwin	81	36	5524	C
017	Ayeyarwad 005	Pyapon	Pyapon	901	Amar	009	Ba Wa Thit	012	Pae Tauk Pin Saze	82	22	5546	C
017	Ayeyarwad 005	Pyapon	Pyapon	901	Amar	009	Ba Wa Thit	013	Tha Main Palae	83	47	5593	C
017	Ayeyarwad 005	Pyapon	Pyapon	901	Amar	009	Ba Wa Thit	014	Gaw Du	84	1	5594	C
017	Ayeyarwad 005	Pyapon	Pyapon	901	Amar	009	Ba Wa Thit	015	Htaung Gyi Tan	85	26	5620	5613
017	Ayeyarwad 005	Pyapon	Pyapon	901	Amar	009	Ba Wa Thit	016	Ashae Phyar	86	22	5642	C
017	Ayeyarwad 005	Pyapon	Pyapon	901	Amar	009	Ba Wa Thit	018	Kan Gyi Ba Aye Kone	87	42	5684	C
017	Ayeyarwad 005	Pyapon	Pyapon	901	Amar	009	Ba Wa Thit	019	Zune Chaung Byu Chaung	88	22	5706	C

Sampling Interval = total cumulated small agri-holdings / 0.20\*total number of villages. In the case of Amar, 20 percent of the total number of villages = 0.2 \* 88 = 17.6 = 18. Hence, SI = 5706/18 = 317. Random start selected = 224. The complete series of numbers are as follows: 224; 224+317=541; 224+2\*317=858; 224+3\*317=1175; 224+4\*317=1492; 224+5\*317=1809; 224+6\*317=2126; 224+7\*317=2443; 224+8\*317=2760; 224+9\*317=3077; 224+10\*317=3394; 224+11\*317=3711; 224+12\*317=4028; 224+13\*317=4345; 224+14\*317=4662; 224+15\*317=4979; 224+16\*317=5296; 224+17\*317=5613.



Using these number series, the sample villages of Amar were determined: (1) Yoe Kone, (2) Ka Nyin Ta Pin, (3) Nhit Char, (4) Alan Taing, (5) Ywar Thit Su, (6) Tup Kho Kwin Chaung, (7) Anouk Ma Yan, (8) Kon Kwin, (9) Day Da Lue, (10) Phone Gyi Thaung, (11) Baw Di Ma, (12) Ouk Twin, (13) Kyone Hla, (14) Daw Nyain, (15) Pack Pyae, (16) Ba Wa Thit (3), (17) Auk Saze Kwin, and (18) Htaung Gyi Tan.

2. Different activities were conducted in each township in the MCA 2010 SM. These were:
  - a) The complete listing of households residing in the sample villages to identify those with small agricultural holdings as well as those with large agricultural holdings - all large holdings in the sample village were completely enumerated during the SM.
  - b) The simultaneous re-listing and complete enumeration of large agricultural holdings only in non-sample villages.
  - c) The re-listing and complete enumeration of households purposively identified in the wards with agricultural holdings.
  - d) The listing of all households and holdings in sample villages was simultaneously done with the enumeration of selected sample households with small agricultural holdings or after the listing of all households in the sample villages, enumeration of the selected sample households with small agricultural holdings was done. The selection of the households with small agricultural holdings in the sample villages at the township level was made in the second stage sampling as described below.

The second stage sampling used systematic sampling in selecting the final sampling unit (FSU), which was the household with a small agricultural holding. A random start (from 1 to 3) in every sample village was provided to the enumerator to determine which sample households with small agricultural holdings would be interviewed. The sampling rate for selecting the sample households with small agricultural holdings was 1/3 or 33.33 percent.

3. The MCA 2010 SM used a combination of complete enumeration and sample interview of selected households as follows:
  - a) The complete enumeration of households with large agricultural holdings in the rural areas.
  - b) The complete enumeration of purposively selected households with agricultural holdings (large or small) in wards or urban areas.
  - c) Sample enumeration or interview of selected households with small agricultural holdings.
4. The CM was limited in terms of area coverage and this affect the SM. Only 85 percent of the total villages in every village tract in every township in every district in every region/state were covered in the CM and SM. The limitation was because of the lack of peace and order in some places in some regions/states.

5. All selected sample households with small agricultural holdings in the MCA 2010 SM were interviewed using the following criteria and the following census questionnaires.

Criteria	Census questionnaires used
a. If the reported crop land was between 0.05 and 49.99 acres and the reported number of large livestock was between 1 and 9 or the small livestock was between 4 and 29 or the poultry was between 30 and 499 or combination of 1 small livestock and 25 poultry or 2 small livestock and 15 poultry or 3 small livestock and 10 poultry.	Form A (Crop cultivation), Form B (Livestock/Poultry keeping) and Form D (Household).
b. The reported crop land was between 0.05 and 49.99 acres and the reported number of any livestock/poultry was very small.	Form A (Crop cultivation), Form B (Livestock/Poultry keeping) and Form D (Household).
c. The reported crop land was between 0.05 and 49.99 acres and no livestock/poultry.	Form A (Crop cultivation) and Form D (Household).
d. The reported crop land was less than 0.05 acre but with a reported number of large livestock between 1 and 9 or small livestock between 4 and 29 or poultry between 30 and 499 or combination of 1 small livestock and 25 poultry or 2 small livestock and 15 poultry or 3 small livestock and 10 poultry.	Form A (Crop cultivation), Form B (Livestock/Poultry keeping) and Form D (Household).
e. There was no crop cultivation activity and the reported large livestock was between 1 and 9 or the small livestock was between 4 and 29 or the poultry was between 30 and 499 or a combination of 1 small livestock and 25 poultry or 2 small livestock and 15 poultry or 3 small livestock and 10 poultry.	Form B (Livestock/Poultry keeping) and Form D (Household).

6. Because of the lack of reliable data on the population count in every village or village tract or township, the 15 percent missing information as a result of the limited area coverage could not be estimated. Hence, no adjustment factor could be added in the estimation procedure. Even the population projection was no longer effective since the last census of population was conducted in 1984, which was almost 27 years old in 2011.

7. The Differences between the MCA 2003 and 2010.

Data items	MCA 2003	MCA 2010 SM
Agricultural holdings	Used at least 0.10 acre of land and at least 2 large livestock.	Used at least 0.05 acre of land and at least 1 large livestock.
Large agricultural holdings	Used at least 5 heads of large livestock or 50 heads of small livestock.	Used at least 10 heads of large livestock or at least 30 heads of small livestock.
Area for paddy	Used effective area and net sown area (actual area used for crops).	Used only area planted which was the same as the effective area.
Aquaculture	Distinguished those associated with agriculture holdings and those independently operated.	Did not have such distinction because of difficulty in implementing in the field operation.
Coverage	Complete	Sample enumeration in small agricultural holdings; purposive coverage for ward agricultural holdings but complete enumeration for large agricultural holdings in the rural areas.
Type of land	Used 8 classifications.	Used only 7 classifications.

## 2.2 Estimation procedures

The estimation procedures used in estimating the results of the MCA 2010 SM were as follows:

$$X_E = N_j/n_j \sum_{j=1}^n [M_i/m_i \sum_{i=1}^m x_{ij}] \text{ where}$$

$N_j/n_j$  was the raising factor to estimate the characteristics of small agricultural holdings in the sample villages at the  $j^{\text{th}}$  township;

$N_j$  was the total number of villages at the  $j^{\text{th}}$  township;

$n_j$  was the total number of sample villages at the  $j^{\text{th}}$  township;

$M_i/m_i$  was the raising factor to estimate the characteristics of the sample households with small agricultural holdings at the  $i^{\text{th}}$  sample village;

$M_i$  was the total number of listed households with small agricultural holdings in the  $i^{\text{th}}$  sample village;

$m_i$  was the total number of sample households with small agricultural holdings in the  $i^{\text{th}}$  sample village;

$\sum x_{ij}$  was the sum of any characteristics of the sample households at the  $i^{\text{th}}$  sample village at the  $j^{\text{th}}$  township;  $i$  ranging from 1 to  $m$  and  $j$  ranging from 1 to  $n$ .

To illustrate the computation of the standard errors and coefficient of variation for the sample households in which the systematic sampling was used, one sample township of



Ayeyarwady is presented in this section.

The computational formula used for the standard errors (SE) and coefficient of variation (CV) using the sample households' characteristics would be the same as the simple random sampling (SRS); since systematic sampling is typically analyzed in the same way as SRS. However, the true precision of systematic sample can be either worse or better than SRS.

$$se = \frac{s_i}{\sqrt{m_i}} \quad cv = \frac{se}{\bar{y}_i} \times 100\%$$

The mean square errors (MSE) for units chosen using PPS are unbiased and provide the smallest contribution from variation between units. Hence, the computational sampling error formulas for the mean and variance are as follows:

$$\bar{y} = \sum (M_i/M_o) * (\bar{y}_i)$$

$$v(\bar{y}) = 1/M_o [\sum (M_i - m_i) * (s_{2i}^2/m_i) + \sum M_i * (\bar{y}_i - \bar{y})^2]$$

Please see next page.

## Illustration - 2 Sample Computation of the Standard Errors and Coefficients of Variations for Amar, Ayeyarwady

Standard Errors and Coefficients of Variation

State  
Ayeyarwady  
District  
Pyawon  
Township  
Amar

Sample Village Name	Sample Village Level						Township Level						
	Estimated M <sub>i</sub> (total small agricultural holdings)	Actual m <sub>i</sub> (total sample small agricultural holdings reporting)	y <sub>i</sub> (total unweighted physical area of the sample agricultural holdings)	Lowest Crop Holding Area	Highest Crop Holding Area	y <sub>i</sub>	s <sub>i</sub>	SE = s <sub>i</sub> /sqrt(m <sub>i</sub> )	CV = (s <sub>i</sub> /sqrt(m <sub>i</sub> ))/y <sub>i</sub> *100%	(M <sub>i</sub> /ΣM <sub>i</sub> )*y <sub>i</sub>	s <sub>i</sub> <sup>2</sup>	(M-m <sub>i</sub> )*(s <sub>i</sub> <sup>2</sup> /m <sub>i</sub> ) - within units	M*(y <sub>i</sub> - $\bar{y}$ ) <sup>2</sup> - between units
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Yoe Kone	52	18	285.10	2.00	43.00	15.8389	13.6322	3.2131	20.2865	0.6534	185.8378	352.4510	882.6507
Ka Nyn Ta Pin	72	24	157.95	0.50	33.50	6.5813	6.6286	1.3531	20.5593	0.3749	43.9384	87.8769	1,904.5319
Nhit Char	117	39	1,164.88	12.00	42.00	29.8687	6.9367	1.1108	3.7188	2.7763	48.1185	96.8310	38,676.8822
Alan Taing	15	5	50.97	2.00	31.97	10.1940	12.3237	5.5113	54.0643	0.1210	151.8732	303.7464	35.1311
Ywar Thit Su	56	19	235.00	3.00	26.00	12.3684	6.2823	1.4413	11.6528	0.5480	39.4678	76.8584	23.2279
Tup Kho Kwin Chaung	160	54	584.00	1.00	39.00	10.8148	12.5534	1.7083	15.7959	1.3690	157.5877	309.3388	132.3707
Anouk Ma Yan	85	29	202.00	1.00	40.00	6.9655	9.0217	1.6753	24.0512	0.4691	81.3916	157.5322	1,927.9016
Kon Kwin	39	13	88.00	1.00	15.00	6.7692	4.7285	1.3115	19.3738	0.2089	22.3590	44.7179	957.5883
Day Da Lue	27	9	70.24	3.13	25.20	7.8044	6.6941	2.2314	28.5910	0.1667	44.8111	89.6222	414.8801
Phone Gyi Thauung	123	41	284.23	0.33	30.44	6.9324	6.7863	1.0598	15.2881	0.6746	46.0534	92.1069	2,824.4171
Baw Di Ma	45	15	184.04	5.36	24.36	12.2693	5.5849	1.4420	11.7531	0.4368	31.1916	62.3833	13.3636
Ouk Twin	64	21	236.80	2.18	36.19	11.2762	8.9851	1.9607	17.3881	0.5695	80.7329	164.6950	12.8240
Kyone Hla	48	16	208.65	2.50	40.00	13.0406	9.3662	2.3416	17.9558	0.4952	87.7258	175.4517	83.1595
Daw Nyain	93	31	545.13	5.00	43.23	17.5848	9.3083	1.6718	9.5072	1.2939	86.6446	173.2892	3,194.0780
Pack Pyae'	102	34	269.48	0.87	20.33	7.9259	5.0567	0.8672	10.9415	0.6396	25.5698	51.1396	1,471.7190
Ba Wa Thit(3)	59	20	90.50	1.00	14.00	4.5250	3.1434	0.7029	15.5334	0.2130	9.8809	19.5085	3,083.2881
Auk Saze Kwin	91	30	259.50	2.00	30.00	8.6500	6.7596	1.2341	14.2674	0.6218	45.6922	92.6900	858.7671
Hlaung Gyi Tan	15	5	39.00	3.00	14.00	7.8000	4.3243	1.9339	24.7937	0.0926	18.7000	37.4000	231.0119
Total (Σ)	1,264	423	4,955.47						$\bar{y}$	11.7244		2,387.6389	56,727.7927

WSE (variance)

46.7710

Standard deviation

6.8389

Mean area of crop holding in sample villages

275.3039

n

18

standard error

1.6120

coefficient of variation

0.5855

Lowest crop holding area in township

0.33

Highest crop holding area in township

43.23



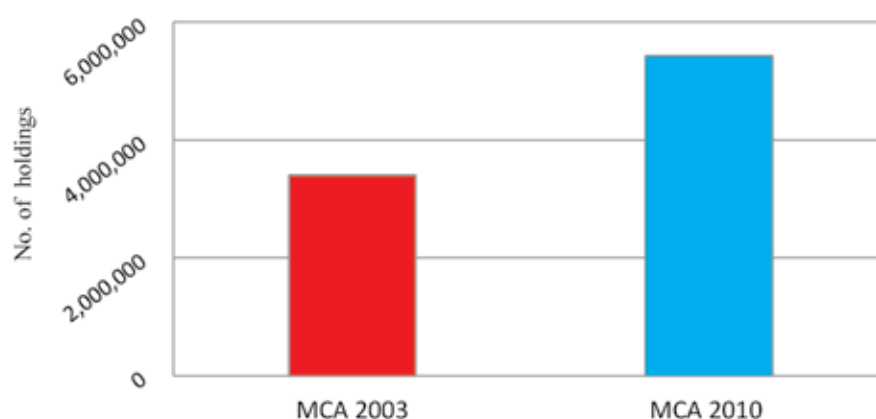
## Chapter III - Highlights of the census results

The main features of the structure of agricultural holdings in the RoUM are presented here.

### 3.1 Agricultural holdings

*The MCA 2010 SM reported around 5.4 million agricultural holdings.*

The number of household agricultural holdings enumerated in the MCA 2010 SM was estimated at 5,419,756. There were also a total of 6,327 special agricultural holdings. Note, however, that these special agricultural holdings were not purely non-household agricultural holdings but also included agricultural holdings operated by special households. Hence, the total number of agricultural holdings in the country was 5,426,083, which was an increase of about 60 percent compared to 2003 (Figure 3.1).



**Figure. 3.1 All crop holdings, RoUM: 2003 and 2010**

*In RoUM, an agricultural holding comprised at least 1 large livestock (cattle/buffalo/donkey/mule) and/or at least 4 small livestock (sheep/goat/pig) and/or at least 30 poultry (chicken/duck/quail) kept/bred at the time of enumeration and/or at least 0.05 acre of land used wholly or partly for crop cultivation, regardless of title and legal status.*

The total number of household agricultural holdings in 2010 consisted of: a reported 3.9 million combined crop and livestock holdings; 1.1 million crop holdings and 0.4 million livestock/poultry holdings accounting for 71.5 percent, 20.5 percent and 8.0 percent, respectively. The other type of household holdings reported was aquaculture holdings, of which there were 12,512.

In the case of the total number of special agricultural holdings, 99 percent were engaged in crop cultivation and 1 percent in livestock/poultry keeping/breeding. There were also 758 special aquaculture holdings reported in the census.

### 3.2 All crop holdings/sub-holdings

*Whereas the number and area of household crop holdings/sub-holdings significantly increased by 49 percent, the average crop holding area slightly declined.*

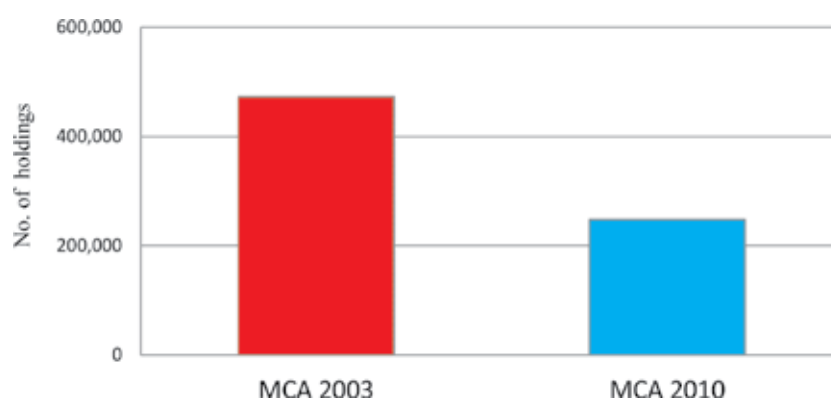
From 2003 to 2010, RoUM's household agriculture sector experienced "some restructuring" as shown by the 49 percent growth in the reported number of agricultural crop holdings. The huge expansion translated to 5 million household crop holdings in 2010 compared to the 3.3 million reported during the 2003 MCA. The total area of household crop holdings also increased substantially by 49 percent, representing a total area of 31.6 million acres in 2010 compared to 21.2 million acres in 2003. However, it should be noted that about 78 percent of the total comprised crop holdings combined with livestock/poultry holdings; hence, some of these crop holdings may be smaller than 0.1 acre.

Although total number and area of household crop holdings increased, the average area per crop holding was recorded as 6.34 acres in 2010 compared to 6.35 acres in 2003, registering a small decline of 0.16 percent during the seven-year period.

The number of special crop holdings decreased in number in 2010 by 7 percent compared to the number in 2003. However, the area of these holdings expanded by almost 32 percent during the seven-year period.

*As the number and area of household crop holdings/sub-holdings significantly increased by 49 percent, the average crop holding area slightly declined.*

The number of household crop holdings/sub-holdings whose area was less than 1 acre decreased by 47.6 percent from 472,000 in 2003 to 248,000 in 2010 (Figure 3.2).



**Figure. 3.2 Household crop holdings with less than 1 acre**

The number of all other household crop holdings with a farm size of at least 1 acre increased from 2003 to 2010. Positive changes in the number of household crop holdings were more evident in the case of large household crop holdings/sub-holdings of 50 acres and over. An increase in the number of household crop holdings/sub-holdings with farm sizes of 1 acre and under 3 acres was noted (a 75 percent increase); less than 5 acres (a 73 percent increase); less than 10 acres (a 68 percent increase); less than 20 acres (a 44 percent increase); as well as those less than 50 acres (a 34 percent increase). The largest crop holdings of 50 acres and over had a remarkable increase of 144 percent (Table 3.1). The number and area of household crop holdings or sub-holdings in 2010 is shown in table 3.2.

**Table 3.1 Number of household crop holdings, by size of crop holdings, RoUM: 2003 and 2010**

Size of Household	Number of Holdings		Growth(%)
	2003	2010	
1 - 2.99 acres	767,252	1,345,024	75.3
3 - 4.99 acres	636,122	1,102,363	73.3
5 - 9.99 acres	797,008	1,336,222	67.7
10 - 19.99 acres	505,130	727,458	44.0
20 - 49.99 acres	158,740	212,231	33.7
50 acres- over	7,369	15,789	114.3

**Table 3.2 Number and area of household crop holdings/sub-holdings, by region/state, RoUM: 2010**

Region/State	Number of Household Holdings"	Area of Household Holdings (Acre)"	Average Area per Holding (Acre)"
Union of Myanmar	4,986,672.00	31,615,097.56	6.34
Kachin	144,123.00	817,368.92	5.67
Kayah	32,208.00	119,030.12	3.7
Kayin	53,702.00	227,696.39	4.24
Chin	94,714.00	215,222.30	2.27
Sagaing	748,168.00	6,368,800.82	8.51
Tanintharyi	115,828.00	649,939.83	5.61
Bago East	233,668.00	1,974,888.88	8.45
Bago West	280,082.00	1,667,535.28	5.95
Magway	590,978.00	3,289,491.77	5.57
Mandalay	728,228.00	3,615,997.58	4.97
Mon	173,054.00	1,741,195.42	10.06
Rakhine	289,850.00	1,270,716.62	4.38
Yangon	206,015.00	1,962,878.66	9.53
Shan South	236,835.00	790,388.12	3.34
Shan North	287,819.00	992,727.37	3.45
Shan East	59,828.00	188,126.63	3.14
Ayeyarwady	711,575.00	5,698,807.45	8.01

The number of household crop holdings in Sagaing, Ayeyarwady, Mandalay and Magway in 2012 exceeded more than half a million.

Nine regions/states reported more than a million acres of crop holdings/sub-holdings.

Mon, Yangon, Sagaing, Bago East and Ayeyarwady showed a higher average area per household crop holding, that is more than 8 acres.

### 3.3 Land parcels

*With the increase in the number and area of household crop holdings, the total number of parcels also increased by 7 percent from 2003 to 2010.*

The total number of reported parcels in the household crop holdings in 2010 was 7.6 million.

*A parcel is defined as any piece of land entirely surrounded by other land, water, road, forest, etc. not forming part of the holding. It usually corresponds to the local term lokwet in RoUM.*

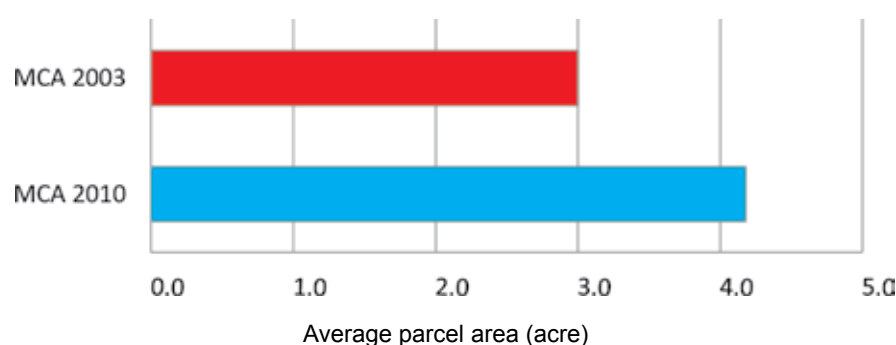


The largest increases in the number of parcels were registered by farms of 3 acres and under 5 acres, 5 acres and under 10 acres and 50 acres and over at 16.0 percent, 17.7 percent and 107.3 percent, respectively (Table 3.3).

**Table 3.3 Number of parcels, by size of household crop holdings/sub-holdings, RoUM: 2003 and 2010**

Size of Household Crop Holdings	Number of Parcels		Growth(%)
	2003	2010	
Less than 1 acre	575,452	257,471	-0.60
1.00-2.99 acres	1,483,392	1,598,600	7.70
3.00-4.99 acres	1,362,840	1,580,935	16.00
5.00-9.99 acres	1,877,209	2,209,899	17.70
10.00-19.99 acres	1,294,639	1,405,431	8.60
20.00-49.99 acres	445,212	474,006	6.50
50.00 acres and over	17,001	35,245	107.30

The total area of all parcels reported during the 2010 MCA was 31.6 million acres, 49 percent higher than the 21.2 million acres registered in the 2003 MCA. The average area per parcel in a household crop holding expanded by 39.2 percent from 3 acres per parcel in 2003 to 4.2 acres per parcel in 2010 (Figure 3.3).



**Figure 3.3 Average parcel area in a household crop holding, RoUM: 2003 and 2010**



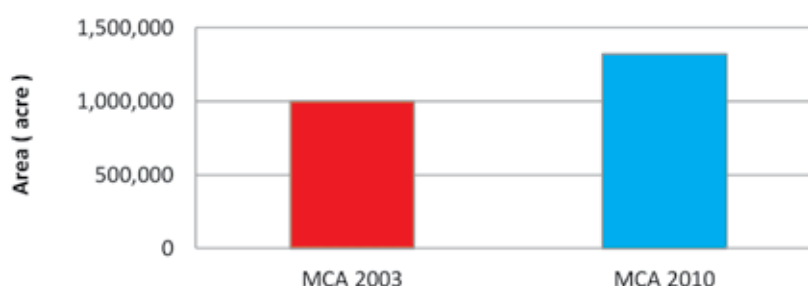
The number of parcels in the crop holdings/sub-holdings in 2010 increased by more than twice the number reported in 2003 as shown in Table 3.4 below.

**Table 3.4 Fragmentation of parcels in the household crop holdings/sub-holdings, RoUM: 2003 and 2010**

Number of Parcels	2003	2010	Growth (%)
Union of Myanmar	3,338,152	7,561,603	126.50
1 parcel	640,350	3,192,132	398.50
2 - 3 parcels	2,501,325	3,640,842	45.60
4 - 5 parcels	169,094	618,770	265.90
6 - 9 parcels	26,463	107,780	307.30
10 parcels and over	920	2,080	126.10

This can be broken down as follows: the number of holdings with one parcel increased by approximately five times in 2010 compared to 2003; the number of holdings with two to three parcels increased by less than half; the number of holdings with four to five parcels and the number of holdings with six to nine parcels both increased by four times in 2010 compared to 2003; and even the number of holdings with 10 or more parcels more than doubled in 2010 compared to 2003. This could be attributed to some factors such as dividing and transferring/sharing of lands from the household head to a member of the household that got married or renting out agricultural lands to other households.

The number and area of the crop holdings reported by the holders of special holdings in 2010 were 5,199 and 1,321,194.32 acres, respectively (Figure 3.4). The number of crop holdings declined by 7.8 percent from 2003 to 2010. On the other hand, the corresponding area of these holdings increased by 31.9 percent. Hence, the average number of parcels in each special holding increased slightly.



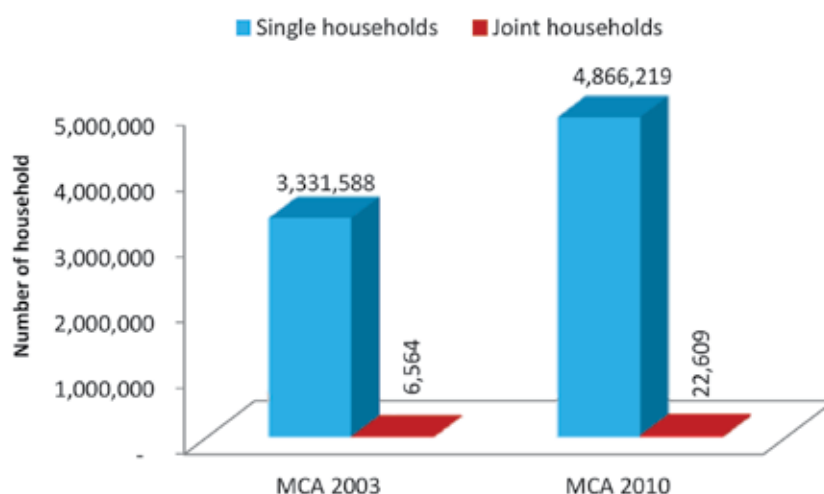
**Figure 3.4 Area of special crop holdings, RoUM: 2003 and 2010**

### 3.4 Legal status of crop holders

*A large proportion of all the household crop holdings were operated by single and private households.*

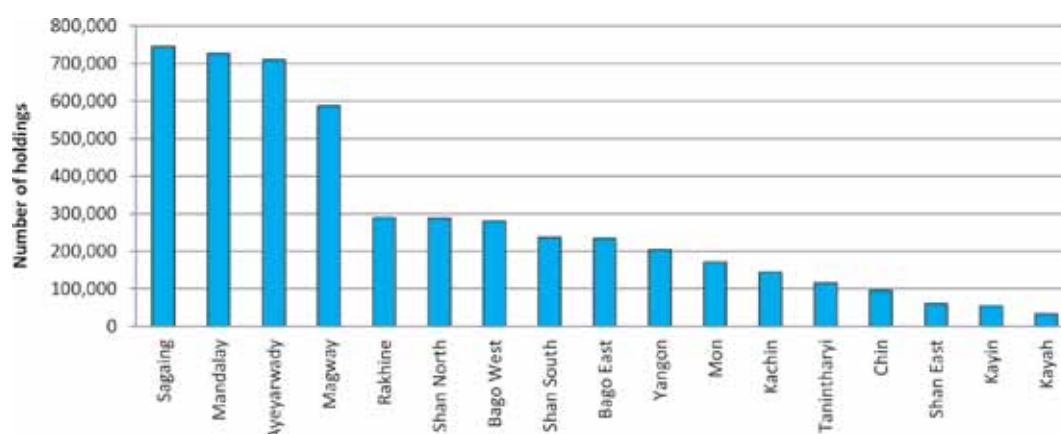
In 2010, 4.96 million or 99.5 percent of the household crop holdings were managed by single households. The remaining 23,000 holdings were under the management of joint households (Figure 3.5). The dominance of single household crop holdings/sub-holdings over joint household holdings was present in all urban and rural areas.

A major change was noted in 2010, i.e., a shift from single-household operation to joint-household operation, as evidenced by the 49 percent and 233 percent increases shown, respectively, though the latter was still small in number compared to the former.



**Figure 3.5 Number of household crop holdings/sub-holdings, by legal status, RoUM: 2003 and 2010**

Sagaing, Mandalay and Ayeyarwady were the top three regions reporting more than 700,000 single/private household operated crop holdings/sub-holdings. In contrast, Chin, Shan East, Kayin and Kayah reported less than 100,000 single household operated crop holdings/sub-holdings, in which Kayah State had the smallest number (Figure 3.6).



**Figure 3.6 Number of single household-operated crop holdings/sub-holdings, by region/state, RoUM: 2010**

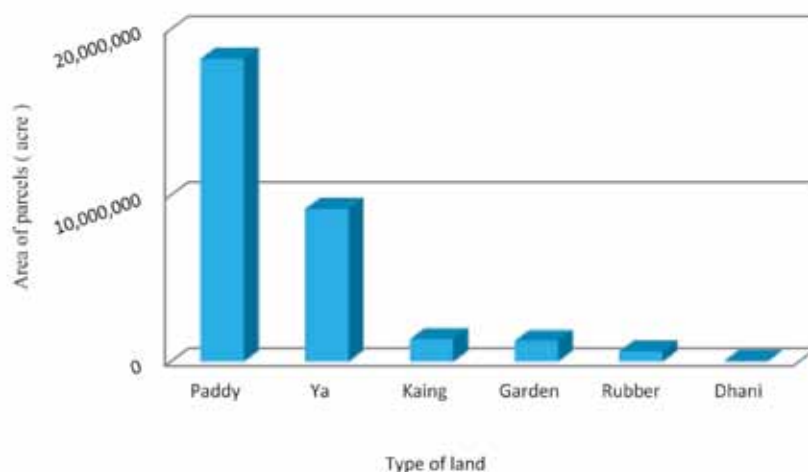
In terms of crop holdings operated jointly by more than one household, Magway Region reported the largest number of holdings/sub-holdings whereas Kayah State did not have any crop holdings/sub-holdings jointly operated.

There were more government corporations/institutions and other private institutions engaged in special crop holdings, though the former reported a slightly higher percentage than the latter.

### 3.5 Land types

*Almost half (or 49 percent) of the total number of parcels was cultivated under paddy with 58 percent occupying the total cultivated area.*

In the MCA 2010, there were six types of land distinguished when collecting the characteristics of the parcels of the household crop holdings/sub-holdings. These were paddy, ya, kaing, garden, dhani and rubber. Paddy land had the lion's share in terms of areas cultivated on the number of parcels, accounting for 49 percent of the total reported parcels. Ya land ranked second with 33 percent of the total parcel (Table 3.7).



**Figure 3.7 Areas of household crop holdings/sub-holdings parcels, by land type, RoUM: 2010**

*Paddy is classified as rice land; ya refers to dry land; kaing is alluvial land; garden land is planted with permanent crops/trees; dhani land is found along river mouths within the reach of salt water, which limits the planting of crops except dhani trees and other palm trees, adaptable to the wet soil; and rubber land is where rubber trees grow.*

The increase in the area of parcels for rubber crops reveals the higher potential for the development of such a crop (Table 3.5). In terms of average parcel size, the most notable was the increase in garden land to 2.7 acres in 2010 from 1.9 acres in 2003.

**Table 3.5 Area of parcels in household crop holdings/sub-holdings, by land type, RoUM: 2010**

Type of land	Area of parcels in crop holdings/sub-holdings		
	2003	2010	Growth
Paddy	11,807,376.88	18,312,891.89	55.10
Ya	6,169,514.61	9,231,972.37	49.60
Kaing	911,165.12	1,361,087.13	49.40
Garden	752,890.73	1,247,496.88	65.70
Dhani	40,892.20	37,013.95	9.50
Rubber	151,028.99	612,675.38	305.70

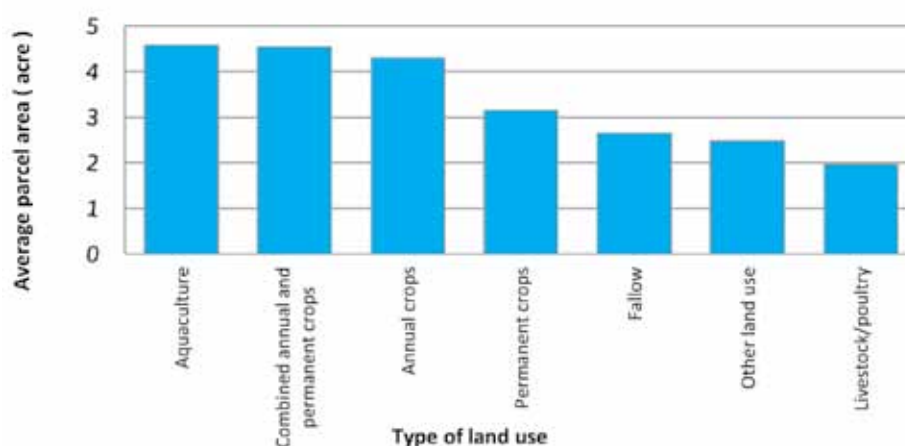
### 3.6 Land use

*Of the total number and area of parcels, 99 percent were devoted to crops, with annual crops predominant.*

Based on the reported land use in 2010, 89 percent of the total parcel was used to plant annual crops; 8 percent was devoted to permanent crops/trees; and 1 percent was under combined annual and permanent crops. A small number of agricultural lands were solely used for livestock/poultry keeping and/or breeding and aquaculture. Livestock/poultry keeping was generally viewed as an activity operating without land. But, in fact this kind of agricultural activity could not be operated without the use of land or a portion of land.

*Most of the land making up the holding is used for growing crops, raising livestock or fish culture with the intention of obtaining products and/or financial benefits.*

The average area per parcel utilized for aquaculture was 4.6 acres, whereas the average area utilized for annual crops was 4.3 acres (Figure 3.8).



**Figure 3.8 Average parcel areas, by type of land use, RoUM: 2010**

### 3.7 Land tenure

*Most of the parcels in the agricultural holdings in RoUM were operated under owner-like tenure since the MCA 2010 SM data collection was undertaken before the approval of the new Land Law.*

In 2010, 7.4 million owner-like parcels occupying a total area of 30.6 million acres were managed and operated. This represented more or less 97 percent of the total parcels and total acreage of the household crop holdings/sub-holdings. Another type of land tenure used referred to those parcels used without permission, or what was termed as “trespassed”, comprised 3 percent of the total area of the household crop holdings/sub-holdings. This accounted for about 929,000 parcels.

*Land tenure provides the right for any household or individual to manage and operate agricultural lands. Almost all parcels of the crop holdings/sub-holdings were operated under owner-like tenure.*

Moreover, 131,000 parcels belonged to other types of land tenure such as those being used for free or with permission from the owner, or disputed lands being used for agricultural purposes, etc. (Table 3.6).

**Table 3.6 Number and area of parcels, by land tenure, RoUM: 2010**

Land Tenure	Number of Parcel		Area of Parcel	
	Total	%	Total	%
Owner-like	7,371,403	97.5	30,555,535.52	96.6
Trespassed	148,044	2.0	928,621.70	2.9
Other land tenure	42,139	0.6	130,939.89	0.4
All Parcels	7,561,585	100.0	31,615,097.11	100.0

### 3.8 Agricultural practices

Improved agricultural practices help boost production in household crop holdings/sub-holdings. The number of these holdings that employed improved agricultural practices increased by 45 percent from 3.3 million in 2003 to 4.8 million in 2010.

#### Irrigation practices

*The use of irrigation in the household crop holdings/sub-holdings was one of the reported agricultural practices in the three agriculture censuses carried out in RoUM. The percentage of household crop holdings/sub-holdings using irrigation facilities increased within the seven-year period between 2003 and 2010 with 57 percent growth or an additional 399,000 household crop holdings availing themselves of more water for irrigation.*

Of the total number of parcels in the household crop holdings/sub-holdings reporting use of irrigation, about 22.2 percent were irrigated in 2010. This means that only 18 percent of the total area of the household crop holdings/sub-holdings was irrigated. The parcels of 5 acres and under 10 acres accounted for the highest proportion of irrigated parcels, that is, about 30 percent of the total irrigated area. The parcels of 50 acres and over had the lowest proportion of irrigated parcels, 0.03 percent in terms of number and 0.63 percent in terms of irrigated area.

As the numbers of household crop holdings/sub-holdings using irrigation increased during the period from 2003 to 2010, from 0.7 million to an estimated 1.1 million (a growth rate of 57 percent) the irrigated area of these household crop holdings/sub-holdings also increased by 68 percent from 3.4 million acres in 2003 to 5.8 million acres in 2010.

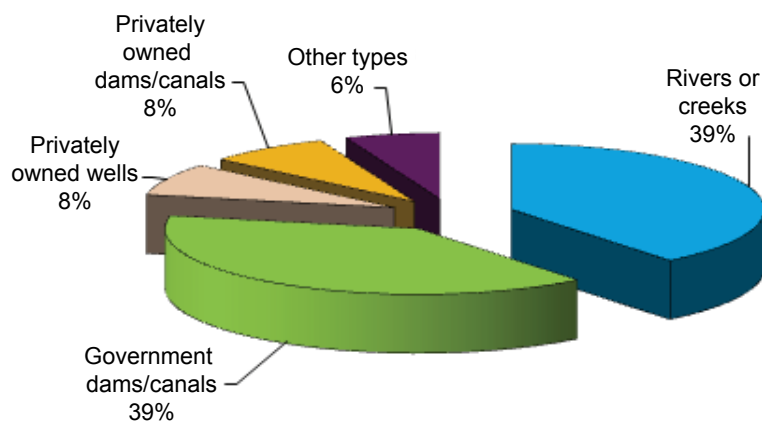
*Irrigation and drainage facilities, or providing land with water through artificial means, are very important for agricultural crop production as they help to increase farm production and productivity. Water for irrigation can be facilitated through privately-owned wells, creeks/rivers, private dams/canals, government irrigation facilities and other types of irrigation facilities.*

The area irrigated using the different types of irrigation facilities was intensified from 2003 to 2010. Among these, the area irrigated using privately-owned wells increased by 116 percent, followed by rivers or creeks (62 percent) and government dams/canals (53 percent). The area irrigated using private dams/canals increased by 29 percent from 2003 to 2010 (Table 3.7).

**Table 3.7 Area irrigated, by type of irrigation, RoUM: 2003 and 2010**

Type of Irrigation	2003	2010	Growth(%)
Owned well	212,603.85	459,262.12	116.02
River or creek	1,397,882.24	2,266,104.93	62.11
Private dam/canal	351,732.19	452,292.10	28.59
Government dam/canal	1,470,634.24	2,247,459.45	52.82

The increased number of crop holdings using irrigation facilities could be attributed to the construction of new dams and reservoirs by the government throughout the country; the eagerness of the householders to build their own wells/dams/canals to increase crop production; and increased access to abundant water flowing from rivers or creeks. Irrigation provided from rivers or creeks and government canals was used mostly by landholders, representing 39 percent and 39 percent respectively of those households using some form of irrigation or 78 percent of the total area irrigated in 2010. This suggests that landholders could not afford to use other expensive types of irrigation facilities, particularly privately-owned wells (Figure 3.9).



**Figure 3.9 Area irrigated, by type of irrigation, RoUM: 2010**

### Use of tools, equipment and machinery

*In 2010, the number of household crop holdings/sub-holdings using equipment/machinery increased by 47 percent in the seven-year period beginning 2003.*

Another agricultural practice utilized in the household crop holdings/sub-holdings was the use of tools, equipment and machinery. The type of ownership of these was categorized into three types i.e. owned by the holder, owned by the government and owned by others. For the last two types, the MCA 2010 collected the number of tools, equipment and machinery borrowed. Within the seven years, the number of household crop holdings/sub-holdings using equipment and machinery increased by 47.3 percent. The number of household crop holdings/sub-holdings using a thresher, sprayer, inter-cultivator and power tiller increased by more than 100 percent from 2003 to 2010. In contrast, the household users of a huller declined by 53 percent and a tractor by 9 percent in the seven-year period (Table 3.8).

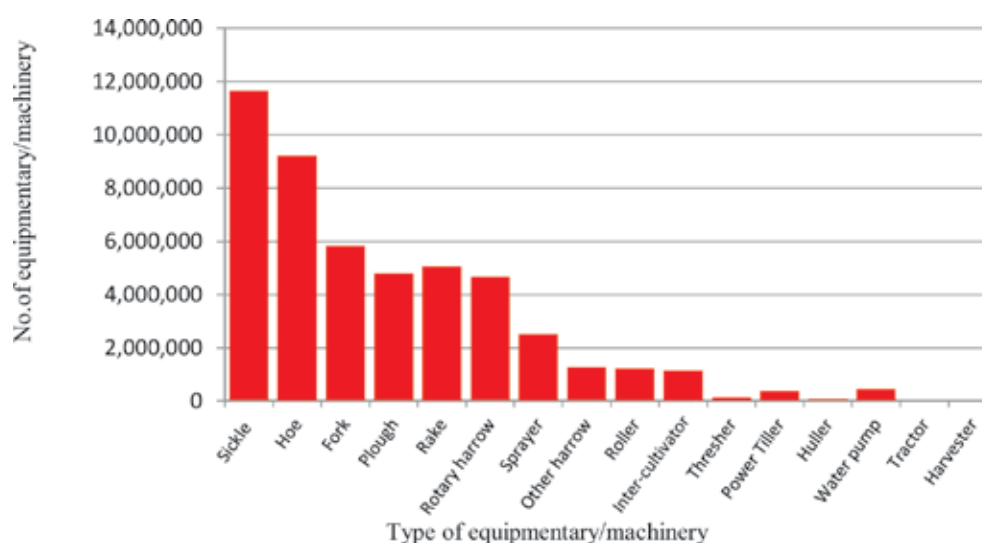
**Table 3.8 Number of household crop holdings/sub-holdings using selected equipment/machinery, RoUM: 2003 and 2010**

Type of Equipment/Machinery"	2003		2010		Growth (%)
	Holding Using Equipment/Machinery	Percent Using Equipment/Machinery	Holding Using Equipment/Machinery	Percent Using Equipment/Machinery	
Union of Myanmar	3,350,157	100	4,934,701	100	47.3
Inter-cultivator	357,045	11	1,007,086	20	182.1
Sprayer	771,336	23	2,479,337	50	221.4
Tractor	131,973	4	120,039	2	-9.0
Thresher/Straw Cutter	220,621	7	728,330	15	230.1
Water pump	285,883	9	556,409	11	94.6
Power tiller	273,713	8	708,703	14	158.9
Huller	1,459,436	44	681,435	14	-53.3

Approximately 52.3 million items of equipment/machinery of any kind were used in the household crop holdings/sub-holdings in 2010. The top five commonly used items were traditional tools/implements such as sickle (12 million), hoe (9.4 million), fork (5.9 million),

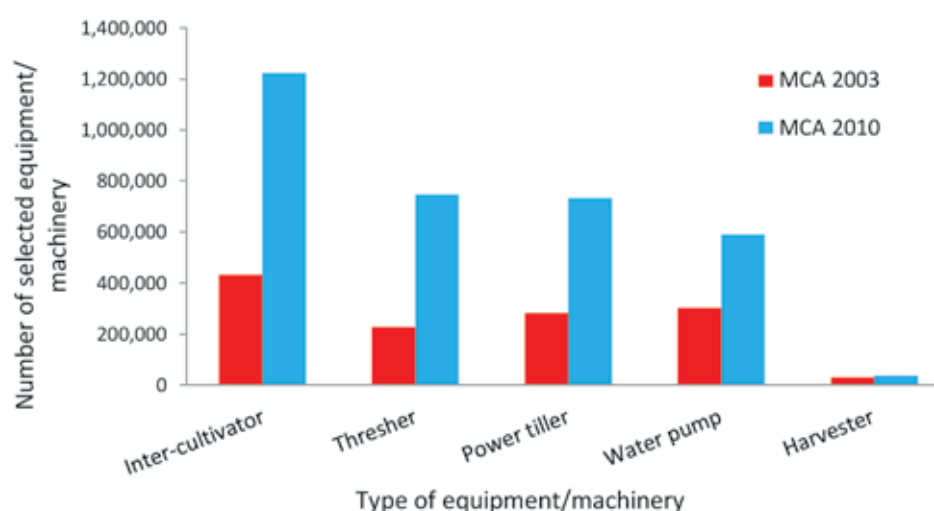


plough (5.2 million) and rake (5.1 million) (Figure 3.10a). This means that the agricultural households with crop holdings/sub-holdings in RoUM still preferred the use of traditional tools/implements because of their cheaper cost and because they had easy access to them.



**Figure 3.10a Number of equipment/machinery used in the household crop holdings/sub-holdings, by type of equipment/machinery, RoUM: 2010**

Though many household crop holdings/sub-holdings made use of traditional tools/implements, modern machinery such as inter-cultivators, threshers, power tillers and water pumps substantially increased in use between 2003 and 2010 (Figure 3.10b) with growth rates of 180.36 percent, 227.31 percent, 156.14 percent and 94.11 percent respectively. The number of harvester machines used from 2003 to 2010 also increased by 14.25 percent. However, the number of tractors used in 2010 decreased by 9.32 percent and the number of hullers decreased by 55.14 percent.



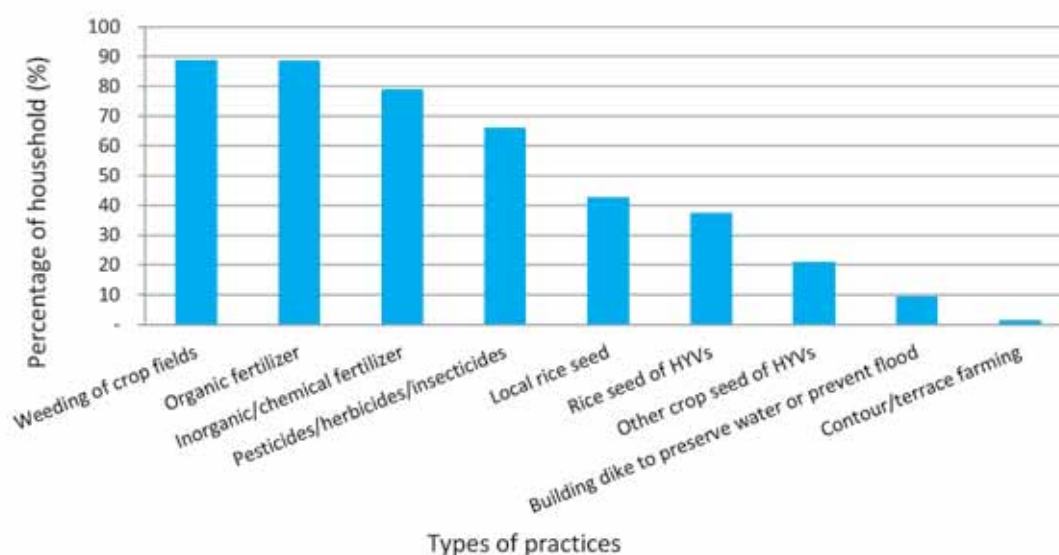
**Figure 3.10b Number of selected items of equipment/machinery used in the crop holdings, by type of equipment/machinery, RoUM: 2003 and 2010**

## Use of other holding practices

*The number of household crop holdings/sub-holdings that employed improved farm practices increased significantly from 3.3 million in 2003 to 19.5 million in 2010.*

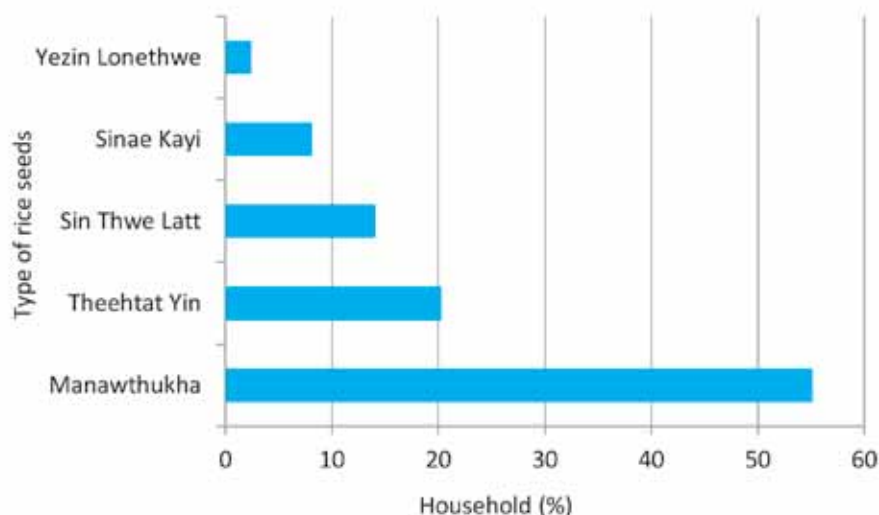
Various improved practices were used in the household crop holdings/sub-holdings such as weeding of crop fields, use of pesticides/herbicides/insecticides, organic fertilizer, inorganic fertilizer, and improved seeds. In 2010, these practices were applied by more than a million households. The weeding of crops fields and use of organic fertilizers was reported by nine out of ten agricultural holdings. In contrast, contour/terrace farming was least practiced and used because this could best be applied in mountainous areas. Building of dikes to preserve water/prevent flood was used only by one out of ten households.

The percentage of households adopting the various practices in 2010 is shown in Figure 3.11.



**Figure 3.11 Percentage of household crop holdings/sub-holdings using agricultural practices, by type of practices, RoUM: 2010**

A slightly higher percentage of household crop holdings/sub-holdings used local rice seeds (42.6 percent) compared to those that used high yielding varieties (HYVs) (37.3 percent). Five types of high yielding HYVs were specified in the census questionnaire and sample agricultural household respondents were asked whether these were the types of rice seeds they used. The five HYVs were Manawthukha, Theehtat Yin, Sin ThweLatt, SinaeKayi and YezinLonethwe. Their responses indicated that Manawthukha was the most popular with 56.4 percent of households using it, followed by Theehtat Yin (20.8 percent) and Sin ThweLatt (14.4 percent). The least used were YezinLonethwe (2.5 percent) and SinaeKyi (8.3 percent) (Figure 3.12). About 26 percent reported having used other types of HYVs.

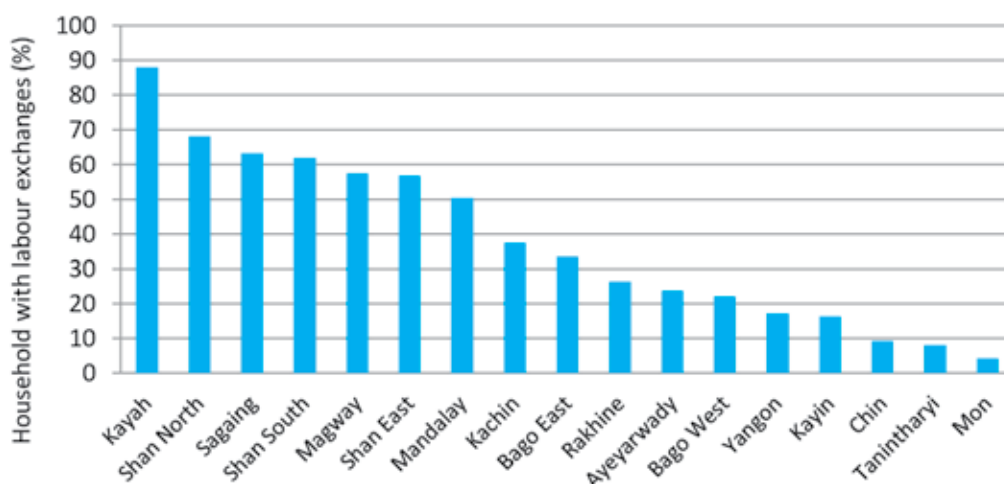


**Figure 3.12 Percentage of household crop holdings/sub-holdings using rice seeds of HYVs, by selected types, RoUM: 2010**

### 3.9 Hired labour/labour exchanges and agricultural services

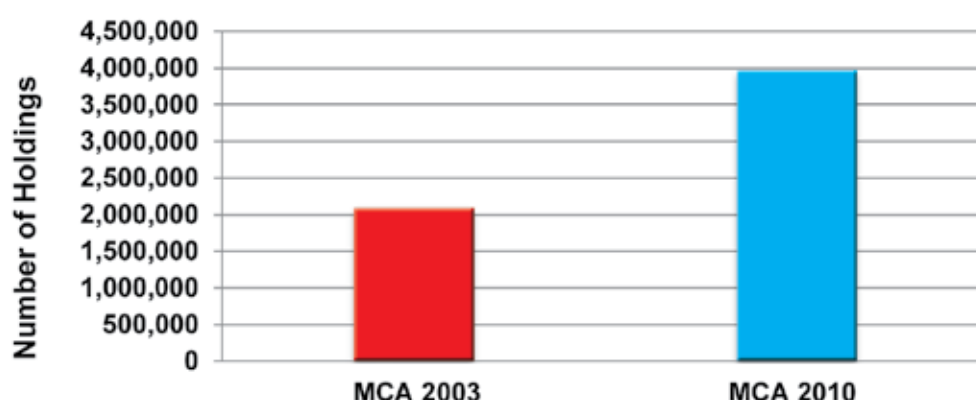
*In 2010, 42 percent of all households with crop holdings/sub-holdings engaged in labour exchanges with other households. A higher percentage of household crop holdings/sub-holdings in rural areas engaged in labour exchanges compared to their urban counterparts.*

Two in every five household crop holdings in the RoUM made use of labour exchanges. Kayah, Shan North, Sagaing, Shan South, Magway, Shan East and Mandalay had more than 50 percent of their households with crop holdings/sub-holdings resorting to labour exchanges. Mon State, with the least percentage of crop holdings making use of labour exchanges, was joined by Chin and Tanintharyi in registering less than 10 percent of their household crop holdings/sub-holdings making use of labour exchanges.



**Figure 3.13 Percentage of household crop holdings/sub-holdings making use of labour exchanges, RoUM: 2010**

In 2010, 80 percent of the household crop holdings/sub-holdings hired outside labours as reported by 15 out of 17 regions/states in the RoUM. This was an increase of 17 percent compared to 2003.



**Figure 3.14 Number of household crop holdings/sub-holdings sharing outside labours, RoUM: 2003 and 2010**

In 2010, 43 percent of the household crop holdings/sub-holdings availed themselves of agricultural services. Among the regions/states, only five reported more than 50 percent of their household crop holdings/sub-holdings availing themselves of agricultural services.

### 3.10 Crop details

#### Parcels under annual crops

*Nine out of ten parcels were reported to have been planted with annual crops; the area planted with crops in all parcels was almost twice as large as the physical area of these parcels.*

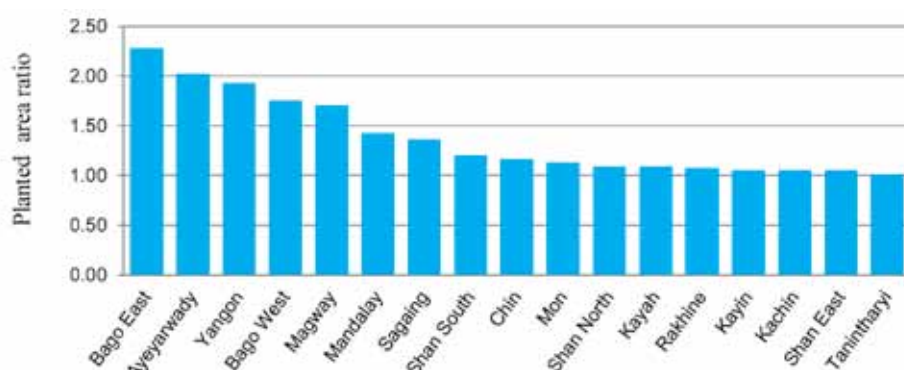
Ninety percent of the total number of parcels was devoted to annual crops that occupied 93 percent of the total area of the household crop holdings/sub-holdings. This implied that the 10 percent of the total parcel was used for other purposes. The area planted with annual crops was almost double the total size of the 6.8 million parcels (Table 3.9). This implied that multiple cropping (an average of two crops per year) was practiced.

**Table 3.9 Ratio of area planted with annual crops to physical area of the parcels by region/state, RoUM: 2010**

Region / State	Parcels Under Annual Crops/Combined Annual /Permancent Crops		
	Physical Area	Area Planted to Annual Crops	Ratio of Area Planted to Physical Area
Union of Myanmar	29,398,326.17	47,028,289.04	1.60
Kachin	769,029.19	809,280.75	1.05
Kayah	118,904.58	130,073.55	1.09
Kayin	198,357.50	209,147.27	1.05
Chin	205,966.14	238,859.97	1.16
Sagaing	6,229,599.18	8,480,708.97	1.36
Tanintharyi	219,092.08	220,479.98	1.01
Bago East	1,963,554.32	4,478,215.40	2.28
Bago West	1,664,419.66	2,913,510.46	1.75
Magway	3,270,133.60	5,570,537.54	1.70
Mandalay	3,548,306.28	5,028,495.04	1.42
Mon	1,094,989.94	1,239,063.83	1.13
Rakhine	1,197,535.74	1,285,330.87	1.07
Yangon	1,869,703.52	3,672,073.91	1.96
Shan South	675,899.68	808,107.45	1.20
Shan North	841,403.64	920,662.33	1.09
Shan East	156,131.71	163,401.63	1.05
Ayeyarwady	5,375,299.41	10,860,340.09	2.02

*“Area planted” is the total area of a piece of land or parcel planted during the reference period, which is 12 months prior to the beginning of the census; in the present case this is from February 2010 to 31 January 2011. As such, a parcel’s “area planted” will be greater than the physical area as the physical area (or a portion of it) is counted as many times as it is planted during the reference period. Note that “area planted” is also known as the effective area. This is different from the net sown area, which is the actual area used for growing crops. The net sown area is being used by SLRD in updating annually their land register.*

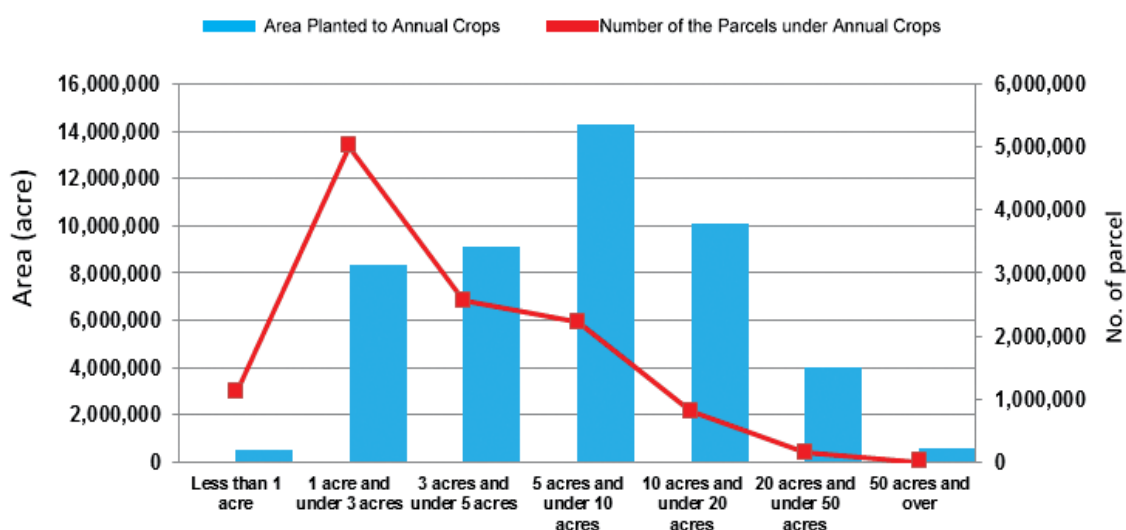
Some of the household crop holdings/sub-holdings in Bago East and Ayeyarwady had more than two cropping periods since the area planted with annual crops was more than double the physical size of the parcels. The other regions/states had between one and two cropping periods (Figure 3.15).



**Figure 3.15 Ratio of area planted to physical area of the parcels under annual crops, by region/state, RoUM: 2010**

Parcels less than 1 acre up to less than 50 acres were planted more than once with annual crops, whereas, parcels 50 acres and above was only used once for growing annual

crops. This was the usual practice in tilling large crop lands.



**Figure 3.16 Actual areas of parcels and area of parcels planted with annual crops, RoUM: 2010**

Among the types of annual crops planted in RoUM, the area planted with pulses increased by 147 percent from 5.96 million acres in 2003 to 14.74 million acres in 2010. Pulses became popular with agricultural households since they were sources of protein as well as good income earners, next to paddy.

The area under cereals was the largest area in 2003 at 14.46 million acres and increased by 70 percent in 2010 reaching 24.60 million acres. The area under vegetables also expanded by 23 percent; however, the area under industrial annual crops decreased by 94 percent and that of the tuber and root crops by 34 percent (Table 3.10).

**Table 3.10 Area planted (in thousand acres) with selected annual crops, RoUM: 2003 and 2010**

Type of Annual Crops	2003 (Area)	2010 (Area)	Growth ( % )
Cereals for Grain	14,461.30	24,597.60	70.10
Pulses	5,958.40	14,735.50	147.30
Tubers and Roots Crops	143.20	94.50	- 34.00
Industrial Annual Crops	6,422.00	406.10	-93.67
Vegetables	177.70	218.90	23.20

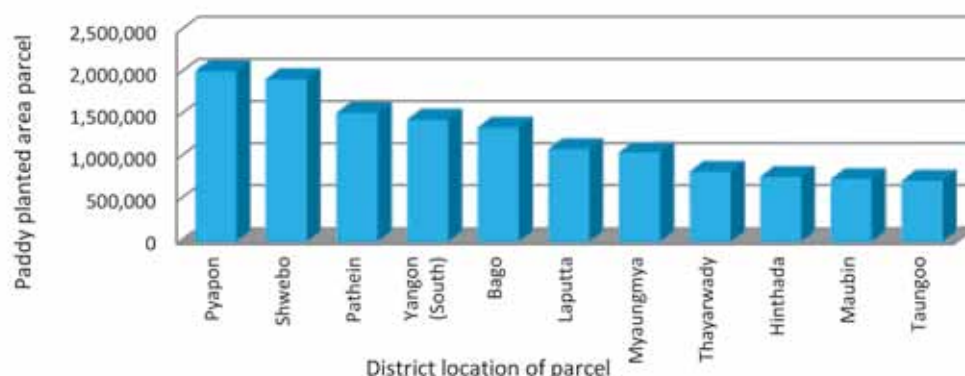
### **District location of ten major annual crops**

*Among the ten major crops classified in RoUM, paddy was commonly and abundantly planted in all districts in 2010, whereas the long staple cotton (planted in 17 districts only) was still not recognized as an important commercial crop.*

In 2010, ten major crops were emphasized during the development of the SM census questionnaires. These ten major crops were paddy, maize (seed), black gram, green gram, pigeon pea, sugarcane, groundnut, sunflower, sesame and long staple cotton. Hence, using these ten major crops, data on area planted by the location of the parcels where these crops were grown in 2010, were tabulated and presented. Actually, the area planted with all

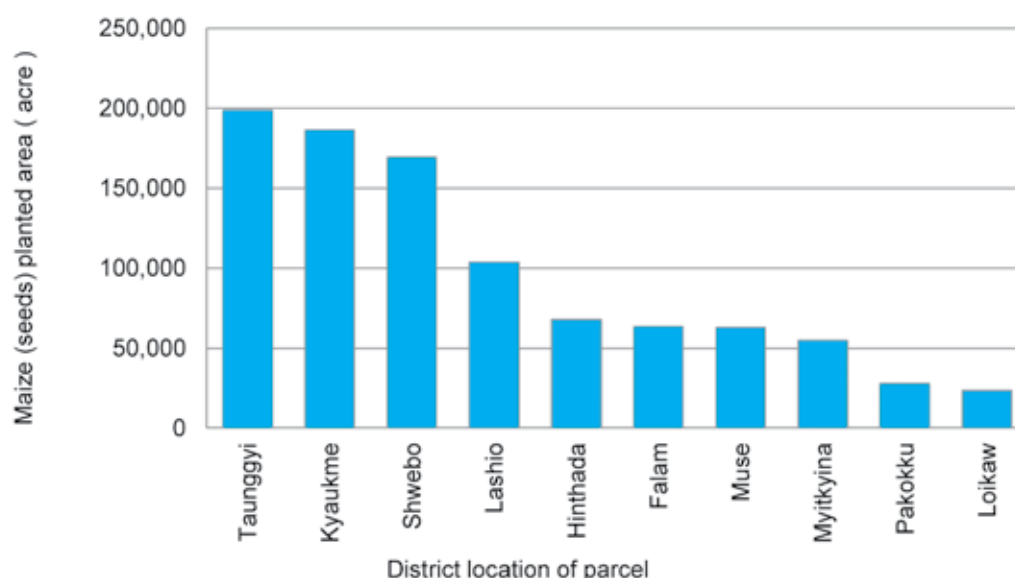


annual crops was included in the tabulation; however, only ten major crops were selected for presentation in this portion of the analysis. The biggest area planted to paddy (2 million acres) was in Pyapon district of Ayeyarwady. The other top paddy planters with more than 700,000 acres were Shwebo, Patheingyi, Yangon South, Bago, Laputta, Myaungmya, Tharyarwady, Hinthada, Maubin and Taungtha as shown in Figure 3.17a. Yangon West reported the smallest area planted with paddy (858 acres).



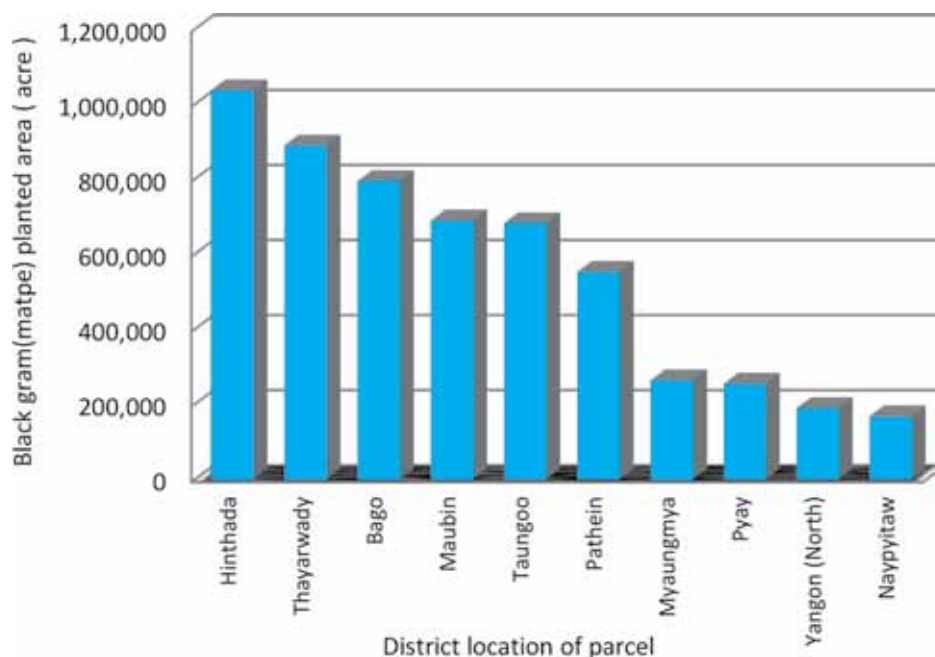
**Figure 3.17a Top ten districts with biggest area planted with paddy, RoUM: 2010**

Maize seeds were produced although not to the same extent as paddy, but it was considered an important crop that could be used as a substitute for paddy in cases of emergency food insecurity. The top ten maize seed-producing districts were Taungtha, Kyaukse, Shwebo, Lashio, Hinthada, Falam, Muse, Myittha, Pakokku and Loilek. In these districts, the area planted with maize seeds was from 23,546 acres to 198,649 acres (3.17b).



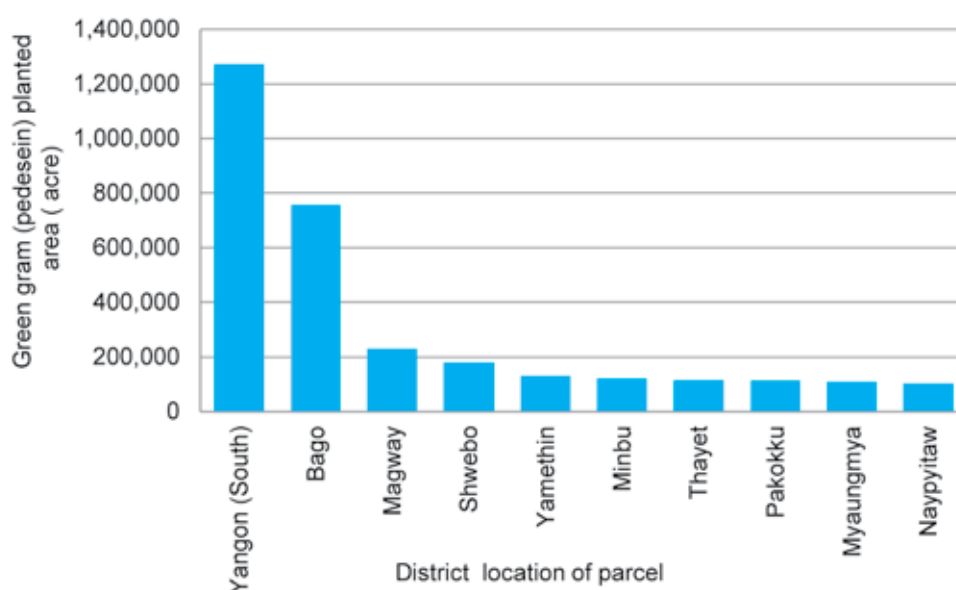
**Figure 3.17b Top ten districts with biggest area planted with maize (seeds), RoUM: 2010**

Figure 3.17c shows the top ten districts with the largest areas planted with black gram (*matpe*). The areas planted range from 167 thousand acres in Nay Pyi Taw to 1 million acres of lands in Hinthada.



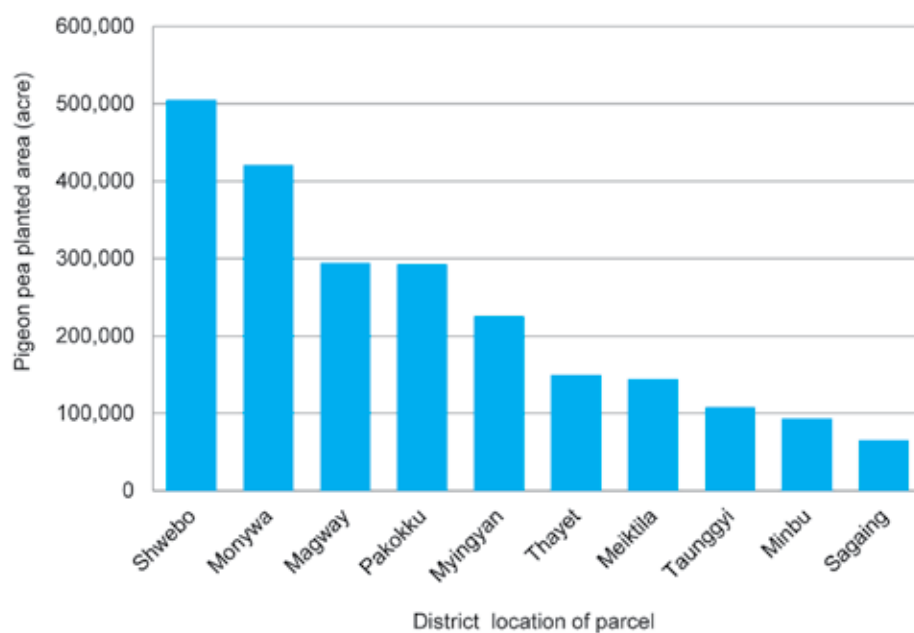
**Figure 3.17c Top ten districts with biggest area planted with black gram (matpe), RoUM: 2010**

Yangon South district led in planting green gram (or pedesein) with a reported area planted of 1.3 million acres (see Figure 3.17d).



**Figure 3.17d Top ten districts with biggest area planted with green gram (pedesein), RoUM: 2010**

Pigeon pea was most widely planted in the district of Shwebo with 500,000 acres, followed by Monywa with 400,000 acres, then Magway and Pakokku with just under 300,000 acres each, Myingyan had about 200,000 acres. The remaining districts each had about 100,000 acres or less (see Figure 3.17e).



**Figure 3.17e Top ten districts with biggest area planted with pigeon pea, RoUM: 2010**

The other four major crops planted nationwide are as described below.



Oil crops such as groundnut were most abundant in Shwebo

Sunflower was most abundant in Maubin



Sesame was abundant in Magway



Katha was the leading planter of sugar-cane in the RoUM



Kyaukse led in planting long staple cotton

### **Parcels under permanent crops**

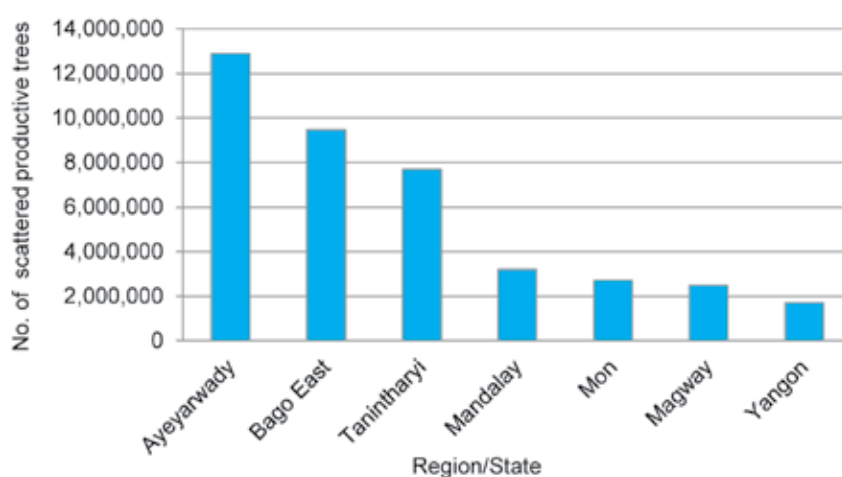
*The permanent crops were reported to have been planted in compact plantations in one out of ten parcels, occupying 82 percent of the total area of the parcels.*

The number of parcels under permanent crops in compact plantations was smaller than those under annual crops. The biggest area of compact plantation was found in Mon State with 625 thousand acres. Kayah shared the smallest size of compact plantation with 40.4 acres.

As can be seen from Table 3.11, approximately 41 million productive trees/permanent crops were planted in a scattered manner. The biggest contributor to this amount was Ayeyarwady region with 12.9 million scattered productive trees. Six other states/regions had between 1.7 and 9.5 million scattered productive trees. Less than 500 scattered productive permanent crops could be found in Kayah and Shan East.

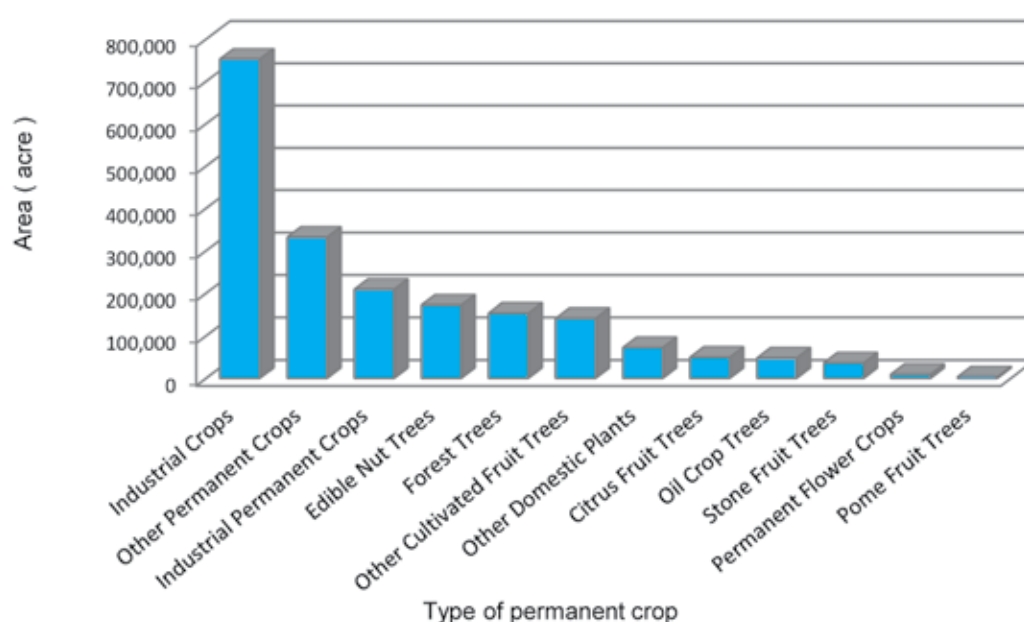
**Table 3.11 Number, physical area and area of compact plantation under permanent crops and number of scattered productive trees in all parcels, by region/state, RoUM: 2010**

Region/State	Parcels under Permanent Crops			Number of Scattered Productive Trees in all Parcels Reported
	Number	Physical Area	Area of Compact Plantation	
Union of Myanmar	727,718	2,407,294.17	1,979,459.95	40,968,778
Kachin	13,412	44,855.65	44,608.34	184,502
Kayah	24	44.27	40.47	378
Kayin	6,875	28,406.15	28,346.65	27,692
Chin	5,367	8,222.09	7,787.06	70,596
Sagaing	24,493	95,620.58	85,793.43	215,518
Tanintharyi	95,203	425,891.80	390,766.97	7,685,177
Bago East	5,578	35,298.66	31,025.56	9,462,438
Bago West	2,279	3,880.49	3,166.17	22,965
Magway	29,490	126,011.80	17,402.38	2,492,095
Mandalay	63,606	237,005.39	57,838.02	3,206,412
Mon	98,882	626,691.11	624,790.90	2,706,735
Rakhine	28,709	69,491.54	65,867.33	235,216
Yangon	34,107	88,421.72	91,106.67	1,709,462
Shan South	70,280	111,218.04	111,498.91	50,510
Shan North	63,574	147,206.77	148,813.68	11,434
Shan East	8,818	28,748.24	30,268.38	385
Ayeyarwady	177,021	330,279.87	240,339.03	12,887,263



**Figure 3.18 Number of scattered productive permanent crops/trees, by region/state, RoUM: 2010**

Among the types of permanent crops in RoUM, industrial crops such as rubber had the largest acreage of compact plantation, with about 752,000 acres or about 38 percent of the total reported area of compact plantation. Next to this were the compact plantation of other permanent crops such as betel nut, betel leaf, toddy palm, danyin, thanapet and the area occupied by industrial permanent crops such as tea, coffee, cocoa. The smallest compact plantation of about 3,000 acres had been planted with pome fruit trees such as apple and pear. Note that in 2010, about 152,000 acres of forest trees were also reported (Figure 3.19).



**Figure 3.19 Area of compact plantation, by category of permanent crops, RoUM: 2010**

Of the scattered productive trees, the largest in number were cultivated fruit trees, which were mostly composed of pineapple shrubs (over 10.5 million or 72 percent). Next were the other permanent crops, which were dominated by betel nut (6.2 million or 43 percent) and betel leaf (4.7 million or 35 percent) (Table 3.12). The latter types of permanent crops were mostly for domestic use. The smallest numbers of scattered productive trees were the pome fruit trees such as apple and pear but these are not shown in Table 3.12.

**Table 3.12 Number of top ten scattered productive trees in RoUM: 2010**

Kind of Permanent Crops	Number of Scattlered Productive Trees
Pineapple	10,642,591
Betel Nut	6,249,441
Betel Leaf	4,701,729
Bamboo	4,011,302
Banana	2,471,962
Toddy Palm	2,258,639
Coconut	1,554,641
Rubber (local)	1,322,598
Cashew	1,000,090

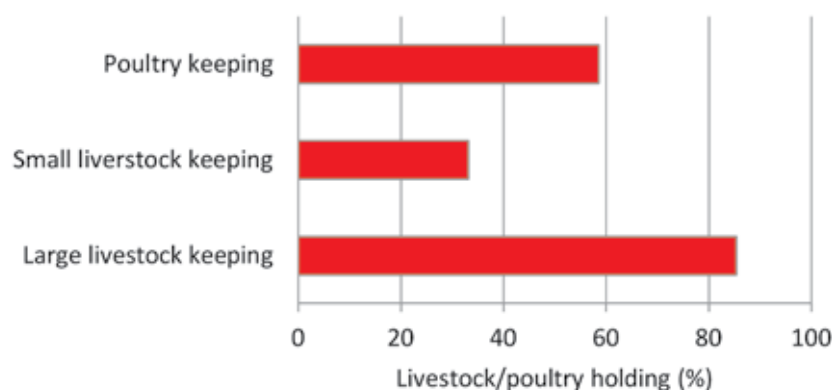
### 3.11 All livestock and poultry holdings

*Almost all livestock holdings/sub-holdings were operated by single households. Large animals dominated the total livestock/poultry holdings/sub-holdings.*

The livestock and poultry in Myanmar were dominated by indigenous breeds kept primarily under traditional production and management systems. The majority of the livestock were large animals consisting mainly of cattle and buffalo raised as draught animals and for their milk. Poultry raised in the livestock/poultry holdings/sub-holdings were primarily chicken. Livestock and poultry were mostly raised and kept under large holdings and were produced mainly for sale.

*A livestock/poultry holding is considered large if the holding kept/raised at least ten head of cattle/buffaloes/other large livestock and/or at least thirty head of pigs/sheep/goats/other small livestock and/or at least five hundred head of poultry such as chickens and ducks.*

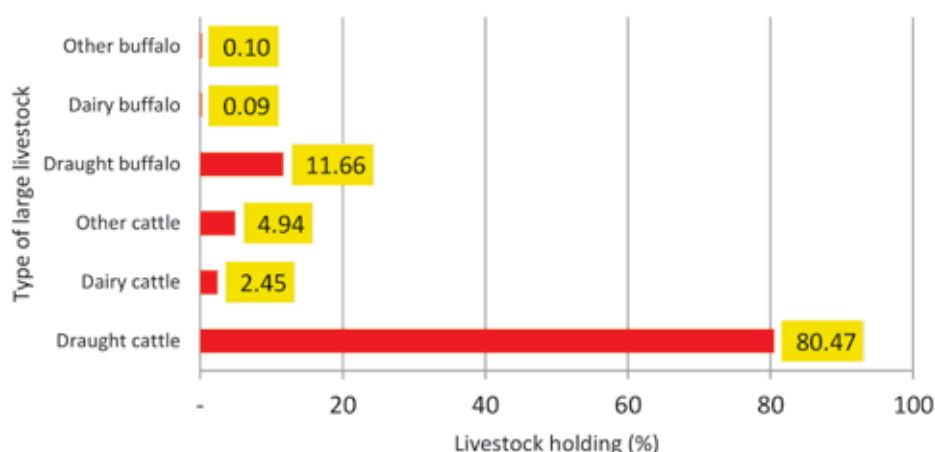
There were a total of 4.31 million household holdings/sub-holdings engaged in livestock/poultry keeping. Of the total, 3.6 million were kept cattle/buffaloes/other large livestock, 1.4 million kept pigs/sheep/goat/other small livestock, and 2.5 million kept chickens/ ducks/other poultry. Of the total 4.31 million household livestock/poultry holdings/sub-holdings, 4.29 million, or almost all, were operated by single households and the remainder was operated jointly with other households.



**Figure 3.20 Percentage of livestock/poultry holdings/sub-holdings, RoUM: 2010**

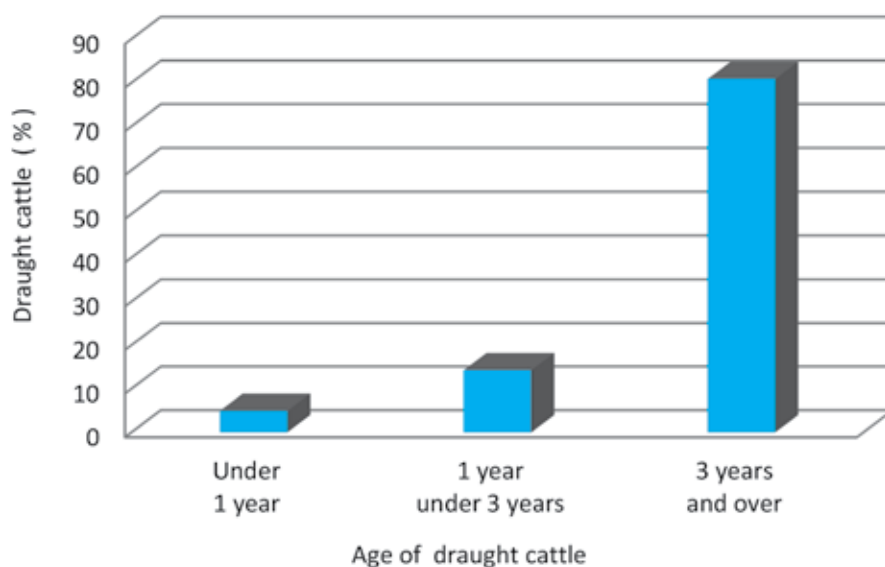
About 12.7 million large livestock were kept at the time of the census enumeration by the household livestock/poultry holdings/sub-holdings. Of these, 99.7 percent comprised cattle and buffaloes and the remainder comprised horses, donkeys, mules, etc. Of the total number of cattle/buffaloes kept, the majority (80.7 percent or 10.2 million heads) were draught cattle followed by dairy buffalo (11.7 percent or 1.4 million heads) (Figure 3.21).





**Figure 3.21 Percentage of cattle/buffaloes kept as of census time by the household livestock/poultry holdings, RoUM: 2010**

Four out of five of draught cattle were at least three years old. About 20 percent were less than three years and yet used as draught or work animals (Figure 3.22). About 76 percent of these draught cattle were males and 24 percent were females.



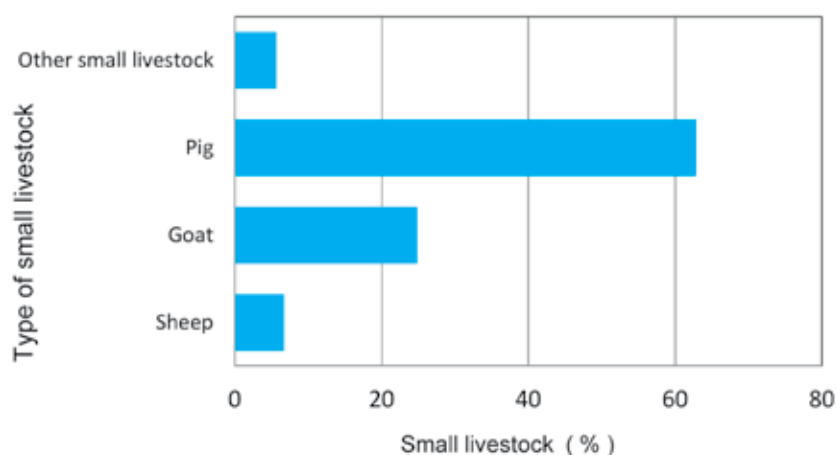
**Figure 3.22 Percentage of draught cattle from the household livestock/poultry holdings/sub-holdings, by age, RoUM: 2010**

Draught buffaloes comprised 74 percent of the cattle three years old and over and 52 percent were males.

The MCA 2010 SM also collected the type of breed of large livestock, of which the most common kept was a local breed comprising of 11.2 million cattle. Fresian cattle (57,000 heads) ranked second and Jersey cattle (43,000 heads) came in third. Only a small number of Red Sindhi cattle were kept and reported during the census taking. Moreover, Fresian, Jersey and Red Sindhi Hybrid were raised for dairy purposes.

In the case of buffaloes, the majority of the draught buffaloes were swamp buffaloes (99.4 percent). On the other hand, murrah buffaloes were more popular for dairy purposes.

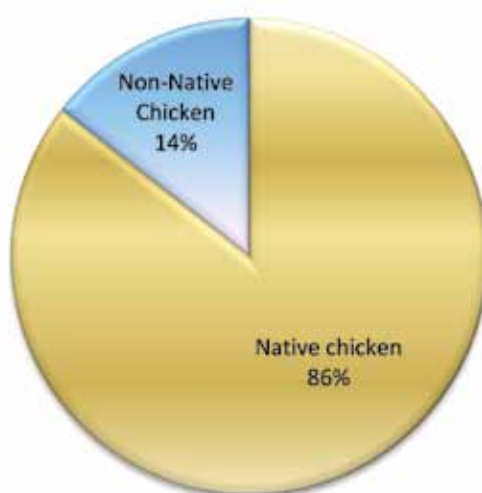
About 4.4 million small livestock were kept at the time of the census. Among these, pigs comprised 62.9 percent and goats comprised 24.8 percent and ranked second. Sheep comprised less than 10 percent of the total (Figure 3.23).



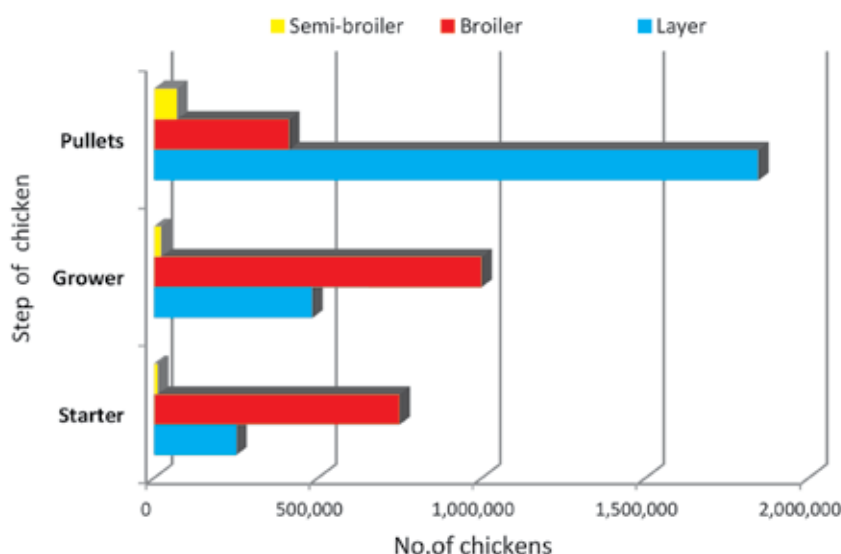
**Figure 3.23 Percentage of small livestock, by kind, RoUM: 2010**

With respect to age, 60 percent of the goats were six months old or older. There were more female goats (68 percent) kept than male goats (32 percent). In the case of the pigs, 52 percent were at least six months old. There were slightly more male pigs (51 percent) than female pigs (49 percent).

The 2.5 million poultry holdings/sub-holdings kept about 33.9 million chickens, 3.3 million ducks, 0.4 million quails and 68,000 other kinds of poultry. Of the total number of chickens kept, 85.6 percent were native and the rest were non-native chickens composed of layers (7.7 percent), broiler (6.5 percent) and semi-broiler (0.3 percent) (Figure 3.24).



**Figure 3.24 Percentage of poultry holdings/sub-holdings, RoUM: 2010**

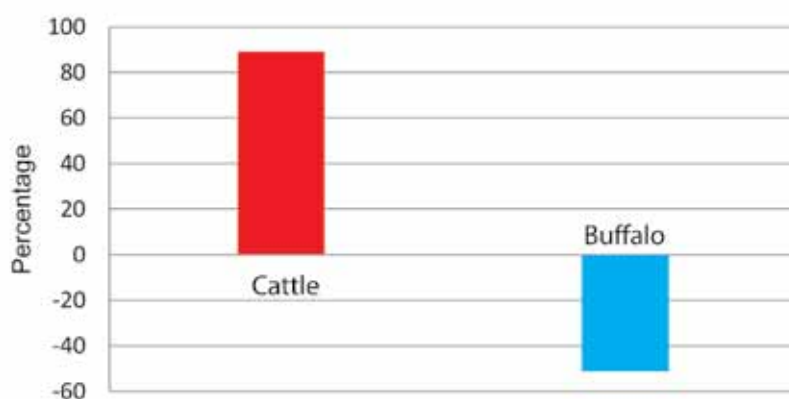


**Figure 3.25 Numbers of chickens, by kind, RoUM: 2010**

Of the non-native chickens kept, about 1,800,000 or 48 percent were pullets, about 1,000,000 or 31 percent were growers and about 750,000 or 21 percent were starters (Figure 3.25). Among the pullets, 1.8 million were 19 weeks old and over. About 1 million broilers (3 to 5 weeks old) and 0.5 million layers (7 to 18 weeks old) were growers. One million of the total starters were composed of 0.7 million broilers (0 to 2 weeks old) and 0.3 million layers (0 to 6 weeks old). About 96.3 percent of the livestock/poultry holdings/sub-holdings kept their livestock/ poultry in their home lot. The average area of the portion of the home lot where the livestock/ poultry were kept was about 0.05 acres.



Between 2003 and 2010 the number of cattle disposed (slaughtered for household consumption or sold alive) grew by 89 percent, whereas the number of buffalo disposed decreased by 51 percent (Figure 3.20). This increase in the case of cattle might be explained by an increase in the number of cattle kept over the seven-year period, whereas the decrease in the case of the buffaloes might be explained by the fact that the use of buffaloes as draught animals was becoming rare in RoUM.



**Figure 3.26 Disposal of cattle and buffaloes for sale or slaughter, RoUM: between 2003 and 2010**

Most households preferred to sell livestock rather than slaughter them for household consumption as this allowed them to have more cash to buy household goods. Of the cattle and buffaloes no longer kept in 2010, 87.4 percent of the total cattle were sold, which was higher than the percentage of buffaloes sold (72.2 percent). Moreover, the number (46,000) and percentage (8.6 percent) of cattle slaughtered for household consumption was lower than the number (57,000) and percentage (24.9 percent) of buffaloes slaughtered for consumption. A similar picture was seen for small livestock such as goats and pigs as well as for chickens, with their sale preferred to their slaughter for household consumption.

*A total of 1,128 special livestock/poultry holdings were reported in 2010. Thus, the number of all livestock/poultry holdings totalled about 434,000.*

There were also special holdings that kept livestock/poultry. The number of these holdings totaled 1,128, of which 39 percent were operated by government corporations/institutions and 32 percent were managed by private institutions. The total number of livestock and poultry kept by the household holdings and special holdings is shown in Table 3.13.

**Table 3.13 Total number of livestock/poultry holdings, by kind of livestock, RoUM: 2010**

Kind of Livestock/Poultry	Household Holdings	Special Holdings	Total
Cattle	11,153,962	14,065	11,168,027
Buffaloes	1,504,836	3,789	1,508,625
Pigs	2,746,826	24,961	2,771,787
Goats	1,083,428	8,759	1,092,187
Chickens	33,922,522	2,102,856	36,025,378

### 3.12 Aquaculture

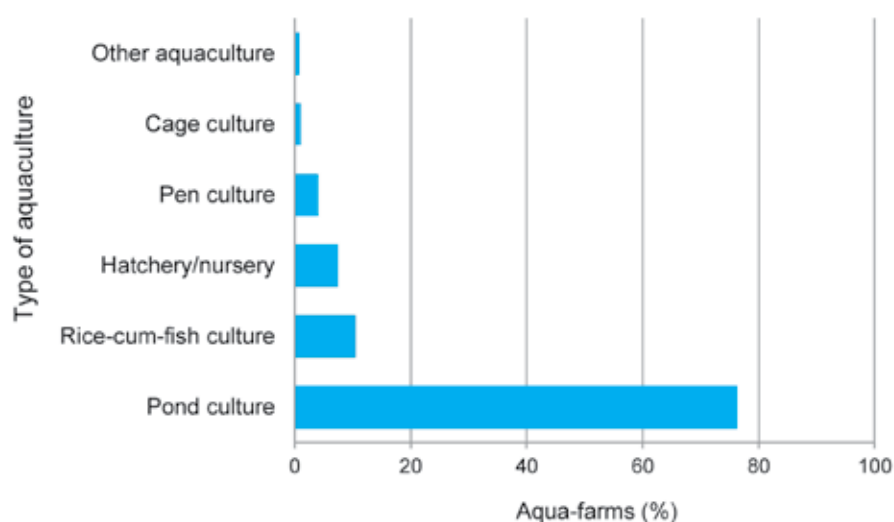
*Total aquaculture holdings reached 12,512 in 2010. Of these, pond culture accounted for the largest proportion. There were also 575 special aquaculture holdings. Thus, the total number of aquaculture holdings in RoUM amounted to 13,037 at the beginning of the census.*

In 2010, there were 12,512 aquaculture holdings, most of them single household aquaculture holdings (94 percent or 11.8 million), whereas only 6 percent or 748,000 were aquaculture holdings jointly operated with other households. These aquaculture holdings were composed of about 14,000 aqua-farms; hence, for every aquaculture holding, there was at least one aqua-farm.

The number of special aquaculture holdings totalled 575, of which 45 percent were operated by private institutions, 40 percent by government corporations/institutions, and 14 percent by individual proprietors. A total of 657 aqua-farms were operated in special aquaculture holdings.

*Aqua-farms are separated by man-made or natural boundaries from other aqua-farms just as parcels are separated by man-made or natural boundaries from other parcels.*

There were five specific aquaculture holdings operated in the country such as pond culture, pen culture, cage culture, hatchery/nursery and rice-cum-fish culture. Of these, 76.3 percent of the total household aqua-farms were utilized for pond culture; followed by rice-cum-fish culture (10.5 percent) and hatchery/nursery (7.4 percent). Cage culture was a new aquaculture type recently introduced to the country and this was reflected in its low representation in 2010 (see Figure 3.27).



**Figure 3.27 Percentage of aqua-farms, by type of aquaculture, RoUM: 2010**

On the other hand, 83 percent of the aqua-farms in special aquaculture holdings were utilized for pond culture, which had a total area of 71,000 acres. About 92 percent of the aqua-farms were 50 acres and over.

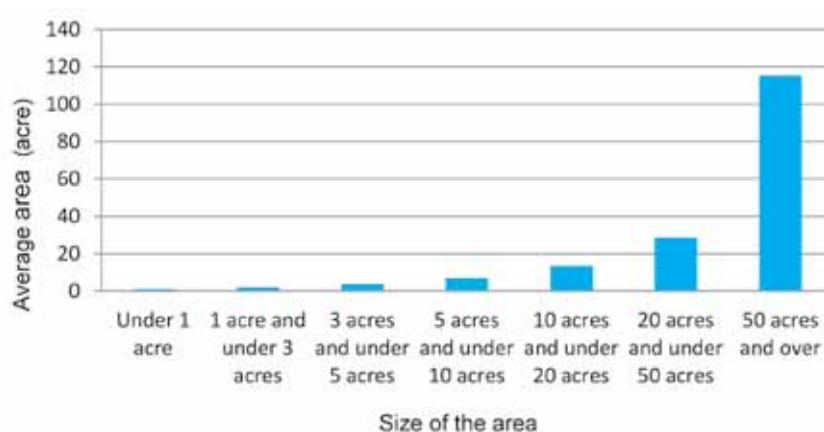
In terms of surface area, the average area of household aqua-farms in acres is shown below:

Pond culture	9.51
Rice-cum-fish culture	13.23

These were the types of household aqua-farms that were measured in terms of acres. However, some types of aqua-farms were measured in square metres. The average area of these aqua-farms is as follows:

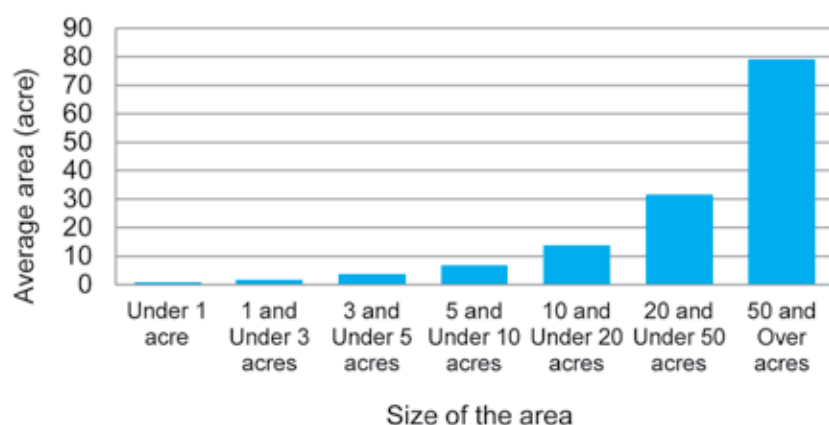
	(in acre)
Hatchery/nursery	4.60
Pen culture	17.19
Cage culture	13.30
Other aquaculture	18.88

The average area of the household aqua-farms used for pond culture was usually near the lower limit of the size of the pond culture area (Figure 3.28). Those in the fewer than 50 acres and over category had an average size of 115.34 acres, which probably signifies large pond culture operations.



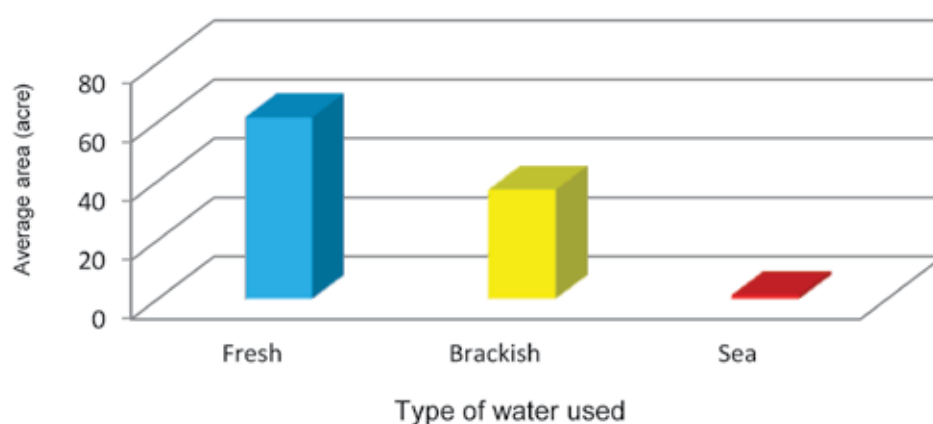
**Figure 3.28 Average area of pond culture, by size of the area, RoUM: 2010**

The average area of the household aqua-farms used for rice-cum-fish culture was somewhere between the lower and upper limits of the average size of the pond culture area. Those in the last three size groups (see below) had an average area of more than 10 acres. The average area of those sizes less than 20 acres and less than 50 acres was even higher than that of the pond culture under the same size limit. However, those aqua-farms with 50 acres and over used for rice-cum-fish culture had an average area that was much lower than that of the pond culture under the same size limit (Figure 3.29).

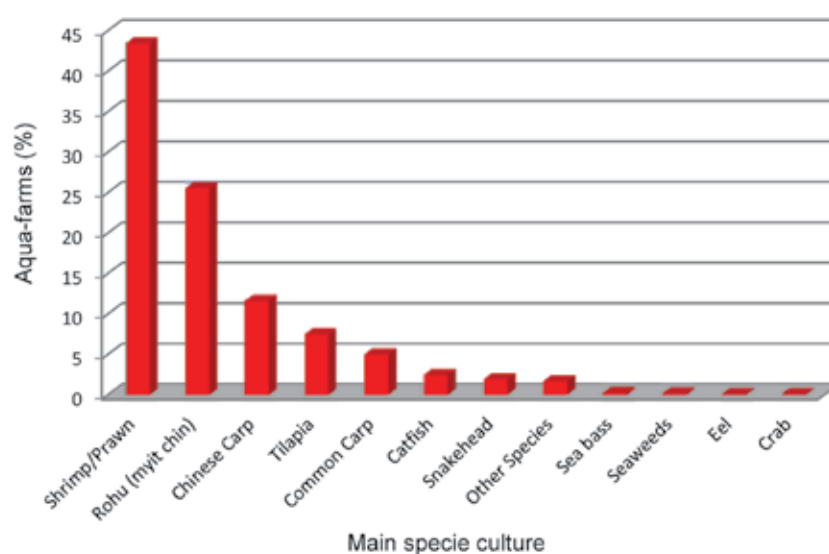


**Figure 3.29 Average area of rice-cum-fish culture, by size of the area, RoUM: 2010**

The majority of household aqua-farms was under freshwater (62 percent) and brackish water (37 percent), none was maintained in sea water (Figure 3.30). This is because of the abundance of rivers, lakes and other freshwater bodies in RoUM. Only one of its regions/ states is located near the sea.



**Figure 3.30 Average area of pond culture, by size of the area, RoUM: 2010**



**Figure 3.31 Percentage of aqua-farms, by main specie culture, RoUM: 2010**



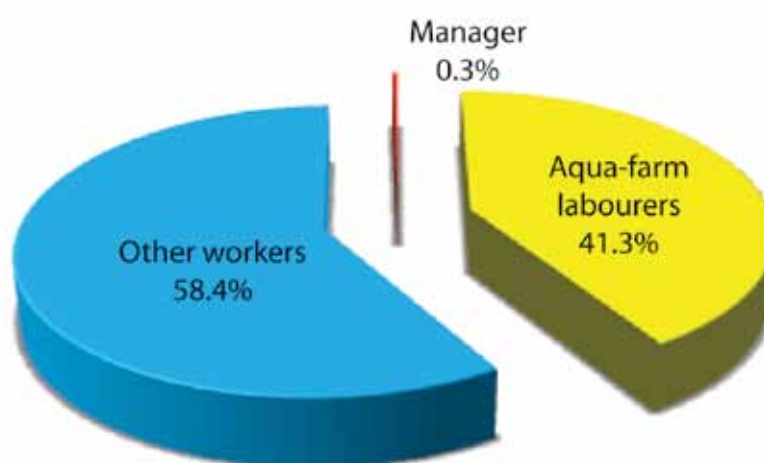
Of the total number of household aqua-farms, 43.5 percent raised shrimps, 25.6 percent rohu (*ngamyit chin*), 11.7 percent Chinese carp, 7.5 percent tilapia and 5 percent common carp. The species that were cultured least were crab, eel, seaweed and sea bass (Figure 3.31). More than 95 percent of the aqua-farms culturing rohu, Chinese carp, common carp and tilapia did so in ponds. The 66 percent of aqua-farms culturing shrimp also did this in ponds and 22 percent in paddy fields.

Among the aqua-farms operated by special aquaculture holdings, 78.5 percent cultured shrimp (60 percent) and prawn (18.5 percent).

The produce from the main species cultured in about 86 percent of the household aqua-farms were sold and about 53 percent were consumed. Only 6 percent of the total aqua-farms operated by the aquaculture households produced fry and about 19 percent produced fingerlings. The production of fry and/or fingerlings was not yet common among the aquaculture operators because of the lack of skills and technical know-how.

About 47 percent of the household aquaculture holdings reported having used equipment/machinery during the 12 months prior to the beginning of the census. The most commonly used item was the water pump as reported by 85 percent.

Three in every five aquaculture holdings hired outside labour, of which 92 percent comprised hired aqua-farm labourers, 70.4 percent hired other types of workers and only 2 percent employed a manager. The outside labourers totalled about 58,000. About 100 percent of these were workers or labourers and less than 1 percent was managers (Figure 3.32).



**Figure 3.32 Percentage distributions of hired workers in aquaculture holdings, by type of workers, RoUM: 2010**

The proportion of hired male aqua-farm labourers and other workers was almost the same as the proportion of hired female aqua-farm labourers and other workers. However, there was a slightly higher proportion of male aquaculture managers than female managers; the difference being only 0.06 percent.

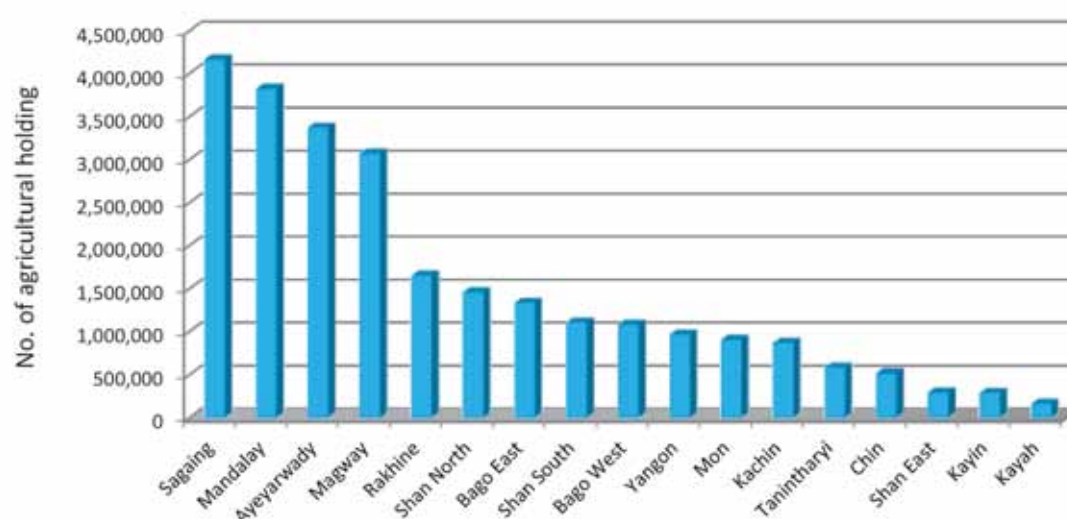
### 3.13 Agricultural holding population

#### Socio-demographic characteristics

*The membership of the agricultural households comprised more women than men but the majority of households were headed by males. The presence of a female head of household generally meant she was a widow.*

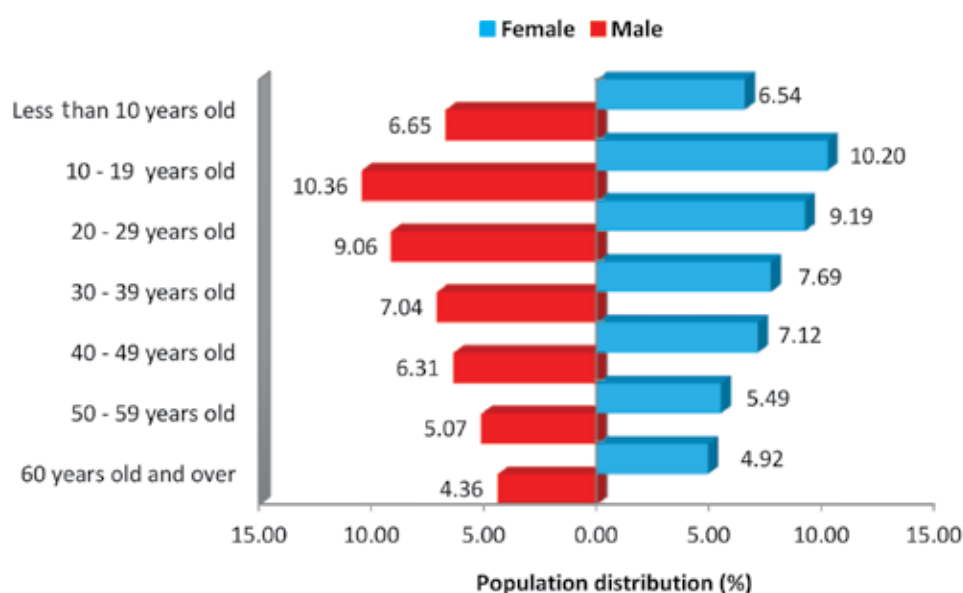
The agricultural population residing in the households engaged in agricultural activities or in managing agricultural holdings totaled 25.7 million at the time of the census in early 2011. The population comprised 49 percent males and 51 percent females. Nine of the 17 regions/states had populations of more than 1 million. These were the regions/states of Sagaing, Mandalay, Ayeyarwady, Magway, Rakhine, Shan North, Bago East, Shan South and Bago West. The first four regions/states had the largest agricultural holding populations whereas Kayah had the smallest reported agricultural household population (Figure 3.33). However, it should be noted that Kayah was one of the regions/states not entirely covered during the census undertaking because of social unrest.

The 25.7 million agricultural holding populations lived under the care and guidance of 5.4 million heads of households, 85 percent of which were male heads and 15 percent female heads. The average agricultural household size was five, with male-headed households larger by one member than the female-headed households.



**Figure 3.33 Number of agricultural holding populations, by regions/states, RoUM: 2010**

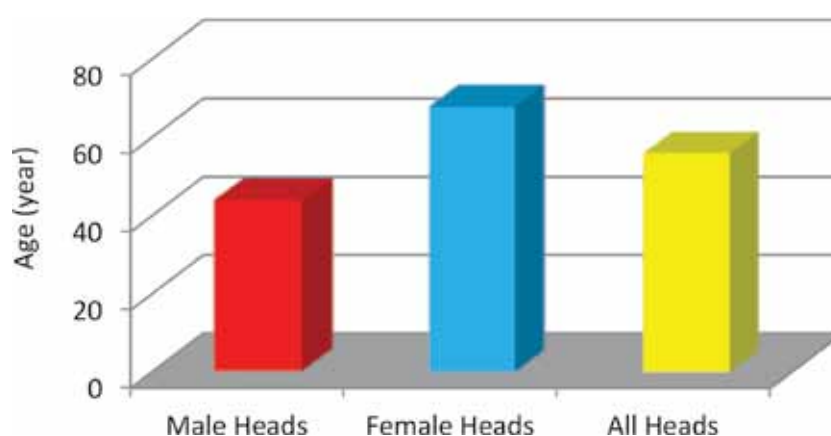
Though one of the statistical tables pertaining to the ages of the agricultural holding populations used ten-year age groupings, a population pyramid could perhaps best describe the composition of this population (Figure 3.34). In the population pyramid below, the percentage distribution of female members 20 years old and over was higher than that of the male members, the percentage difference ranged from 0.81 to 0.42. However, there were more males aged below 20 years old than females.



**Figure 3.34 Agricultural holding population pyramid, by sex and age group of population, RoUM: 2010**

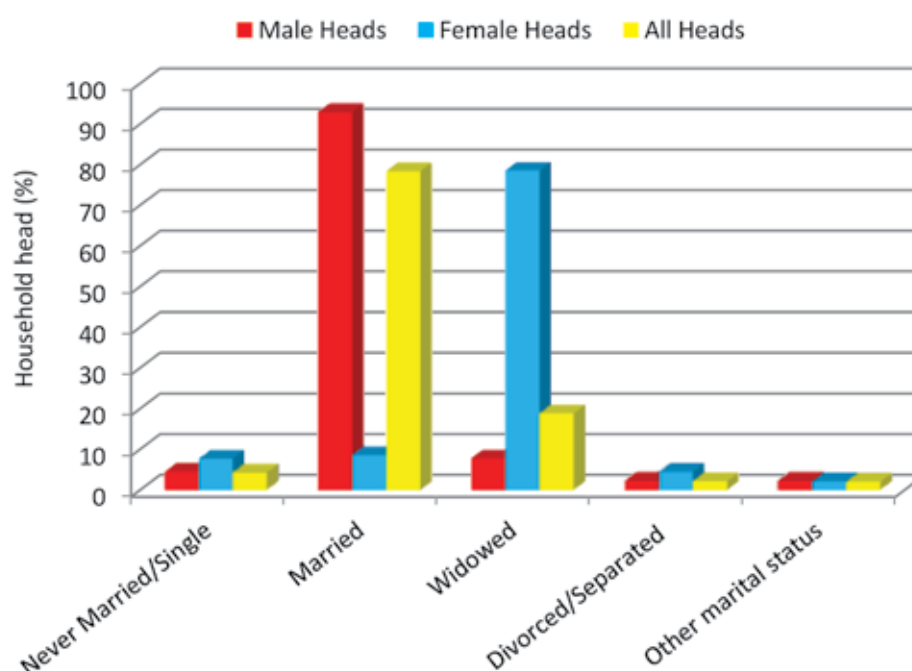
Note that the rectangular base of the population less than ten years old was smaller than the next four age groups (10 to 49 years old) but larger than the age groups 50 to 59 years old and 60 years old and over. This reveals that RoUM has a larger working age population (15 to 49 years old) than elderly population (50 years old and over). Thus there should be sufficient people to inherit and continue the agricultural activities in the crop and/or livestock holdings/sub-holdings. However, if the population less than ten years old should decrease in the coming years the operation of household agricultural holdings could somehow be affected, especially as the country modernizes and more people leave the agricultural sector.

The median age of the agricultural holding populations was 21.1. Half of the total female members were younger than half of the total male members by almost 1.5 years. Moreover, the median age of the heads in the agricultural households was 58 years old. This was affected by the higher median age of the female heads which was 65 years old compared to that of the male heads which was 40 years old (Figure 3.35).



**Figure 3.35 Median ages of households' heads, by sex of heads, RoUM: 2010**

Four out of five female agricultural household heads were widows which explained their headship and higher median age (Figure 3.36). These women heads took over the responsibilities of caring and providing for their household members.



**Figure 3.36 Percentage distribution of the households' heads, by marital status of heads, RoUM: 2010**

The female widowed heads had to take care of an average of four members, which was more or less equal to that of the male widowed heads. The average number of household members headed by males who were either never married or married or widowed was higher than the national averages and those of their female counterparts (Table 3.14).

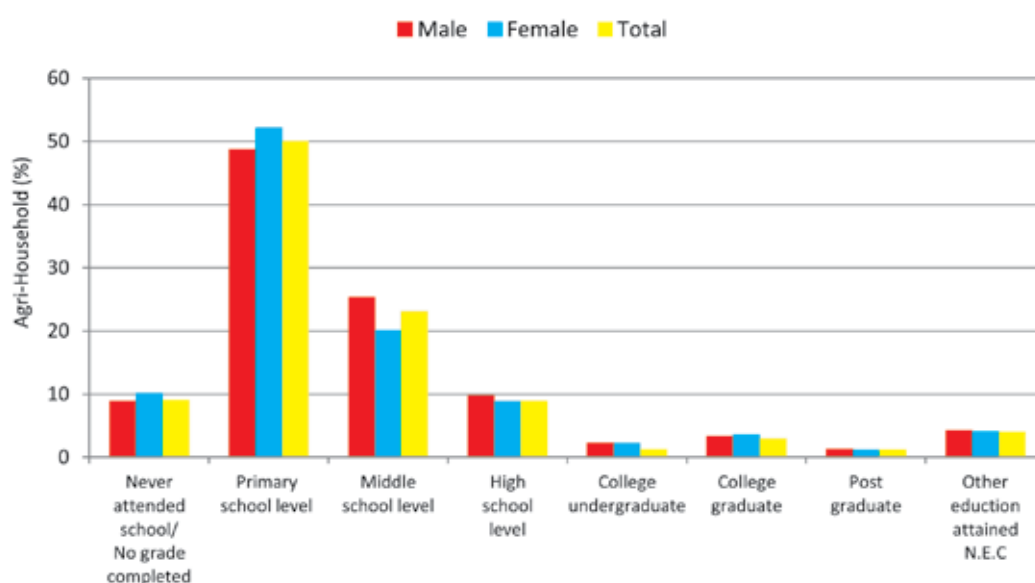
**Table 3.14 Average number of household members, by sex and marital status of heads, RoUM: 2010**

Marial Status	Male Heads	Female Heads	All Heads
Never married/Single	3.19	3.04	3.11
Married	4.92	4.34	4.91
Widowed	4.34	4.29	4.31
Divorced/Separated	2.85	3.61	3.3
Other marital status	3.93	4.14	4.11

The proportion of the agricultural holding populations reported to have entered school and attained education was about 90 percent. However, 56 percent of those with educational attainment had reached only the primary school level. The proportion of the female members reaching primary school level surpassed that for the country as a whole and was even higher than the proportion of male members reaching the same education level.

The proportion of male members that reached middle school level until high school or even graduated from high school was higher than the proportion of female members reaching these levels of education. However, a higher proportion of women in the agricultural households were observed to have reached college level. As a matter of fact, a difference of 0.75 percentage point was reported between the proportion of female members (having the highest percentage) and male members (Figure 3.37). This showed that a higher number or percentage of male members in the agricultural households preferred to stop at the high school level and work in the agricultural economic activities whereas more women members pursued a higher education.

Note that one out of ten members in the agricultural households did not attend any school; of these, more women than men that did not complete any education level.



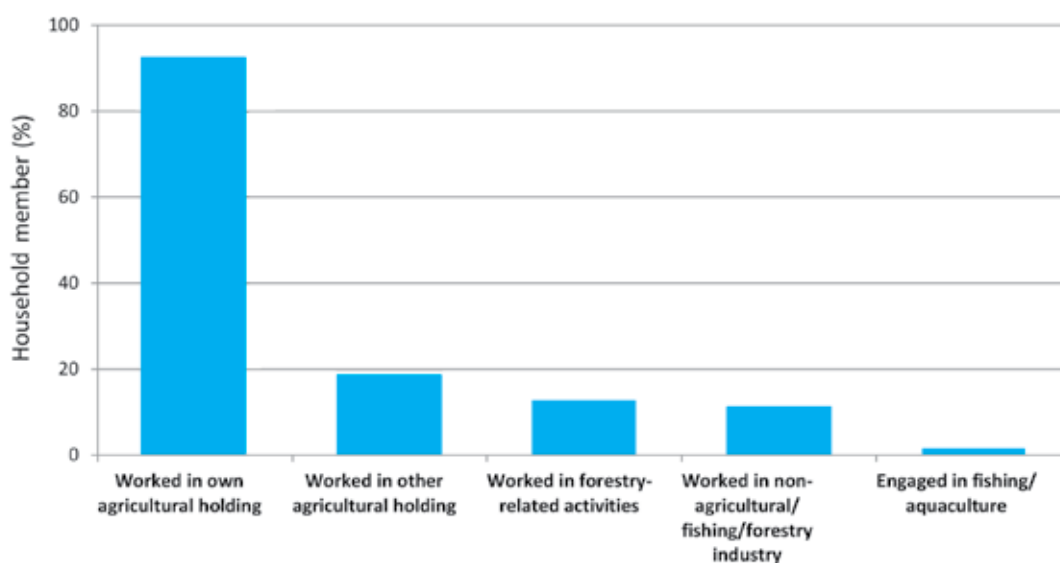
**Figure 3.37 Percentage distributions of the agricultural household members by their level of educational attainment, RoUM: 2010**

Moreover, the number and proportion of male heads were greater than their female counterparts. At the same time there were also more male heads than female heads that did not complete any grade level in school.

### **Economic characteristics**

*About three-fourths (or 75 percent) of the total farm population ten years old and over worked in their own agricultural holdings whereas 13 percent worked in other agricultural holdings. Only 8 percent worked outside of agriculture - in industries or services. Fifty percent of both male and female workers worked in their own holdings.*

Of the total agricultural population, 86.8 percent were aged ten years and over. Of the total population ten years old and over, 81 percent reported that they had worked during the 12 months prior to the census. Of the total workforce, 16.8 million or 92.8 percent worked in their own agricultural holdings. Only 3.5 million or 19.3 percent reported that they had worked in other agricultural holdings. However, other members were also involved in other activities such as forestry related activities (2.3 million or 12.9 percent) and 0.3 million were engaged in fishing/aquaculture (Figure 3.38).



**Figure 3.38 Percentage of working household members ten years old and over, by kind of work, RoUM: 2010**

It was noted also that about 2.1 million agriculture household members did not work in any agricultural activity, instead they were engaged/worked in industries/services such as processing of fish products/drying fishing, weaving clothes, weaving palm leaves for house roofs, fetching water, making baskets for packaging vegetables, working in government office or other offices.

The involvement of females in agricultural activities was mostly in their own agricultural holdings and/or working in other agricultural holdings. A similar but not equal proportion of male and female household members' participation involved working in own agricultural holdings, in other household agricultural holdings, in other industries/services (non-agricultural/non-fishing/aquaculture/non-forestry). However, the proportion of female household members was lower than that of the male household members in forestry-related activities (18.5 percent for males compared to 7.3 percent for females) and very low in fishing/ aquaculture (3.3 percent for males compared 0.2 percent for females). Obviously, fewer females were involved in any fishing activity and/or forestry-related activities.

Almost all (98 percent) of agricultural households were located in rural areas with the remaining agricultural holdings (2 percent) situated in urban areas.

### 3.14 Food accessibility

Though basic food such as rice and cereals, vegetables, fruits, potatoes and root crops, pulses and other legumes are available in the RoUM, there were still issues of inaccessibility for some agricultural households. All agricultural households in all states/regions in the RoUM ate rice and other cereals daily as shown in Table 3.15. This showed that the agricultural households ate more rice than other cereals because almost all of them were paddy planters and rice was their staple food. Seven out of ten agricultural households also ate at least one kind of vegetable on a daily basis. Vegetables could be easily taken from the agriculture household's backyard or bought in the market anytime of the year in the Union of Myanmar. However, a significant percentage of agricultural households ate vegetables weekly or only occasionally. About 48 percent of the households in Yangon region reported to have eaten

vegetables weekly; another 18 percent of the households in Ayeyarwady preferred to eat them weekly; and they were seldom eaten by about one-third of the households in Bago West.

About 30 percent of the agricultural households in the country reported having eaten at least one kind of fish and other seafood, especially in Tanintharyi (situated in the coastal zone) and Ayeyarwady (located near the river basin). Note however that another one-third of the agricultural households in Myanmar had rarely eaten fish and about one-fourth ate it only on a weekly basis. These households were residing in the mountainous regions and plains regions, respectively.

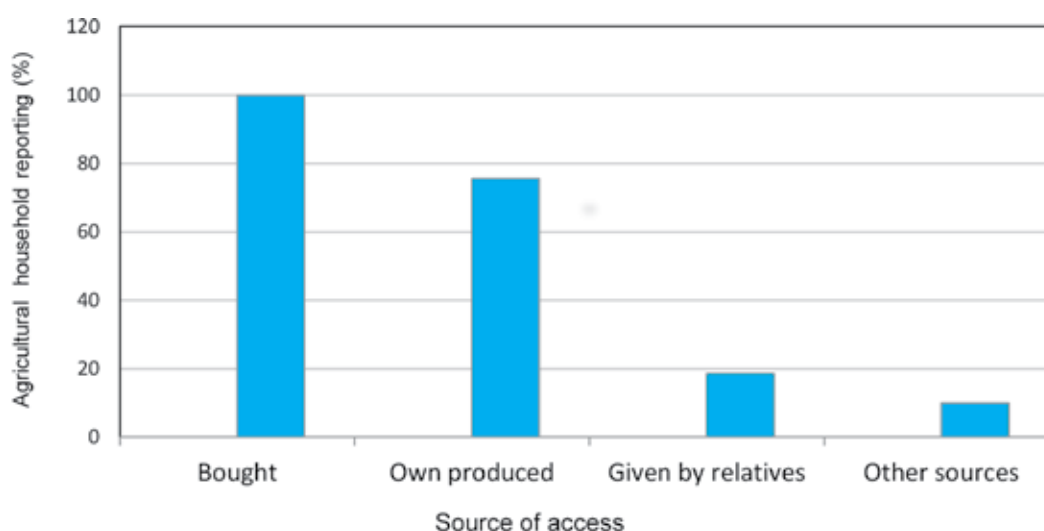
The foods that were eaten weekly by more or less two out of five agricultural households were potatoes/other root crops and edible dry beans/pulses. Meat was either eaten weekly or monthly or rarely. Various kinds of fruits and edible nuts were occasionally eaten. Two factors that could be attributed to the low level of consumption of these foods were the lack of access to them because not all households planted pulses, fruits and edible nuts, and the high market price of these food items.

**Table 3.15 Percentage of households reporting food consumption, by basic food items and by frequency of eating specified basic food, RoUM: 2010**

Frequency of Eating Specified Basic Food	Rice and Other Cereals	Potato and Other Root Crops	Edible Dry Beans/Pulses	Any Kind of Vegetables	Any Kind of Fruits	Any Kind of Edible Nuts	Any Kind of Meat	Any Kind of Fish and Other Seafoods
Daily	99.94	9.41	12.07	66.35	5.97	3.82	2.85	28.41
Weekly	0.05	42.63	44.58	19.68	24.34	14.29	35.36	24.14
Monthly	0.05	17.51	17.18	2.83	21.7	15.41	24.36	13.03
Seldom	0.05	30.20	26.09	11.22	47.33	61.02	37.28	32.98

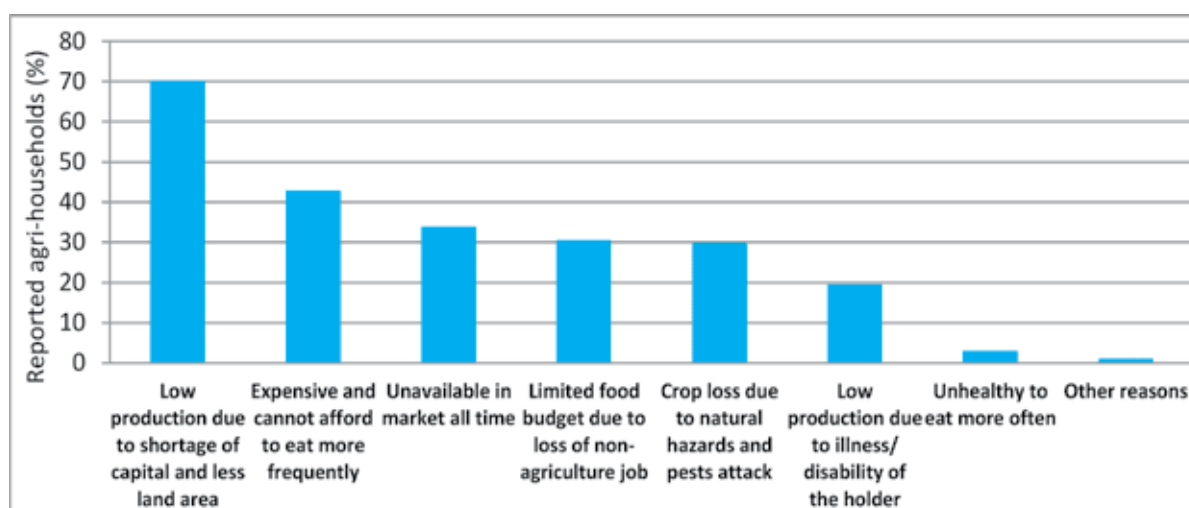
Almost all of the agricultural households had bought all types of food in the previous 12 months. Though most of these households were paddy planters, 50 percent of them bought rice to supply the carbohydrate needs of their members in the previous 12 months. Some of these households planted paddy in only one cropping season. About 75 percent of these agricultural households got their rice and other cereals for consumption from their own crops. There were also 19 percent of the agricultural households that received food (in cash or in kind) from their relatives. One out of ten households depended on other sources for their consumption of the specified basic foods (Figure 3.39).





**Figure 3.39 Percentage of agricultural household reporting consumption of basic food, by source, RoUM: 2010**

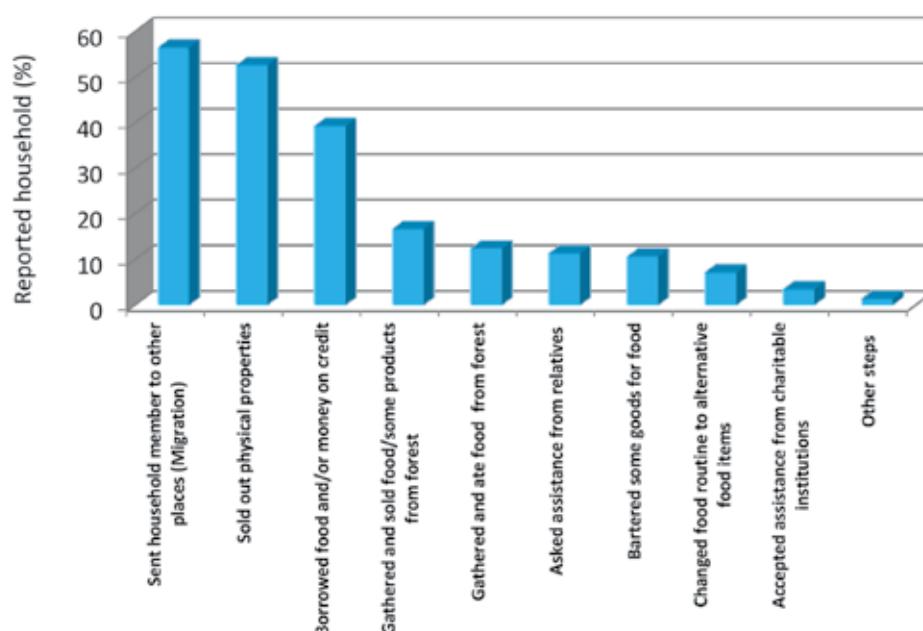
Of the total number of agricultural households only 7.32 percent reported having had difficulty in accessing the specified basic food items sometime in the previous 12 months. Seven out of ten of these households with difficulty in accessing basic food items reported that they produced little of such food because of a shortage of capital and a small land area. Two-fifths of these households could not afford to eat some of the basic food items because of their very high cost (Figure 3.40).



**Figure 3.40 Percentage of agricultural household with difficulty in accessing basic food item because of specific reasons provided, RoUM: 2010**

Three in every ten of these households also reported other reasons such as seasonality of the basic food items, limited food budget because of loss of job, and crop loss because of heavy rains or drought or calamities or attacks of pests. There were also some cases of low production because of the illness or disability of the holder. A very small percentage of the households with difficulty in accessing the basic food items reported that they seldom ate some of these foods as they believed were bad for their health.

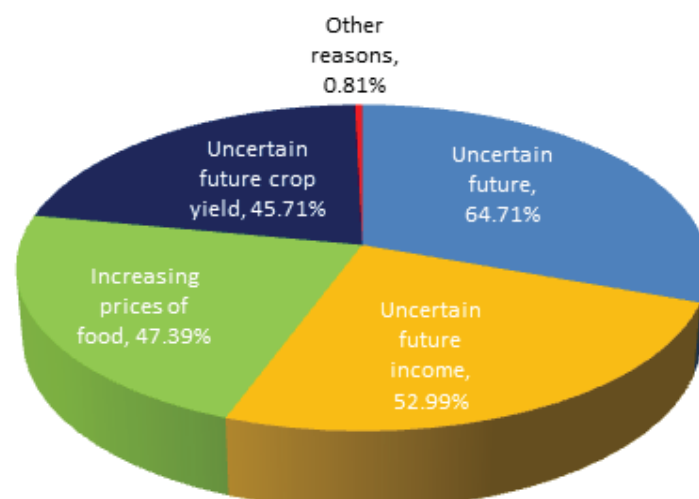
Of the total households with difficulty in accessing the basic food items, 91.7 percent had taken steps to solve food inaccessibility. More than 50 percent of these households sent some of their members to look for other sources of income and/or sold other cash non-food crops/some livestock/ properties (Figure 3.41).



**Figure 3.41 Percentage of agricultural household that took steps to solve food inaccessibility, RoUM: 2010**

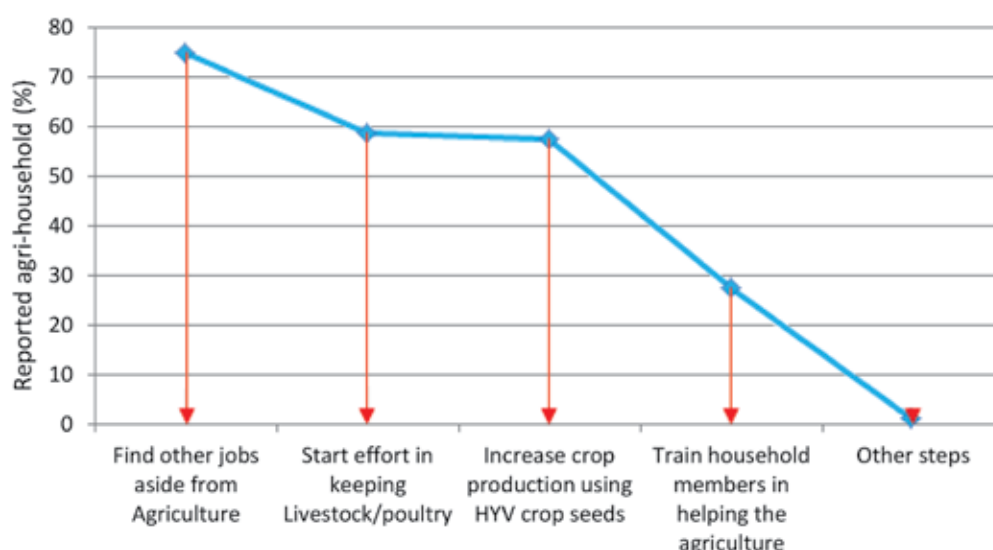
Nearly 40 percent borrowed food and/or money on credit so that they could have something to eat. Above 10 percent but below 20 percent of the households with problems in accessing basic food used the following ways and means to be able to provide something for their families: (a) gathered and sold food and other products from the forest; (b) gathered and ate edible forest products; (c) asked for assistance from relatives living within the country or abroad; and (d) bartered some goods such as livestock, mats, baskets, etc. About 7.25 percent changed their food habits whereas 3.49 percent accepted assistance from charitable institutions.

In the coming days or in the future, only about 3 percent of the agricultural households perceived basic food items to be inaccessible. Of these households, seven out of ten households were very uncertain about what would happen in the coming days/months; and one out of two households was not so sure whether there will be enough income to buy all/ some of these food items and/or increasing prices would hinder them to buy and eat some of these foods and/or not so sure whether there would be a good harvest of the crops planted (Figure 3.42).



**Figure 3.42 Percentage of agricultural household that perceived food inaccessibility in the coming days/months, RoUM: 2010**

These households that perceived food inaccessibility in the coming days/months had already devised steps to access the basic food items. Three-fourths of them reported looking for other jobs/business aside from farming/ keeping/breeding livestock/poultry, three out of five of these households said they would start/increase effort in keeping/breeding livestock/poultry and/or would increase crop production using HYVs crop seeds and three in every ten of them would train/guide household members in helping/operating the agricultural holding (Figure 3.43).



**Figure 3.43 Percentage of agricultural household that perceived food inaccessibility and reported steps to be taken to access foods in the coming days/months, RoUM: 2010**



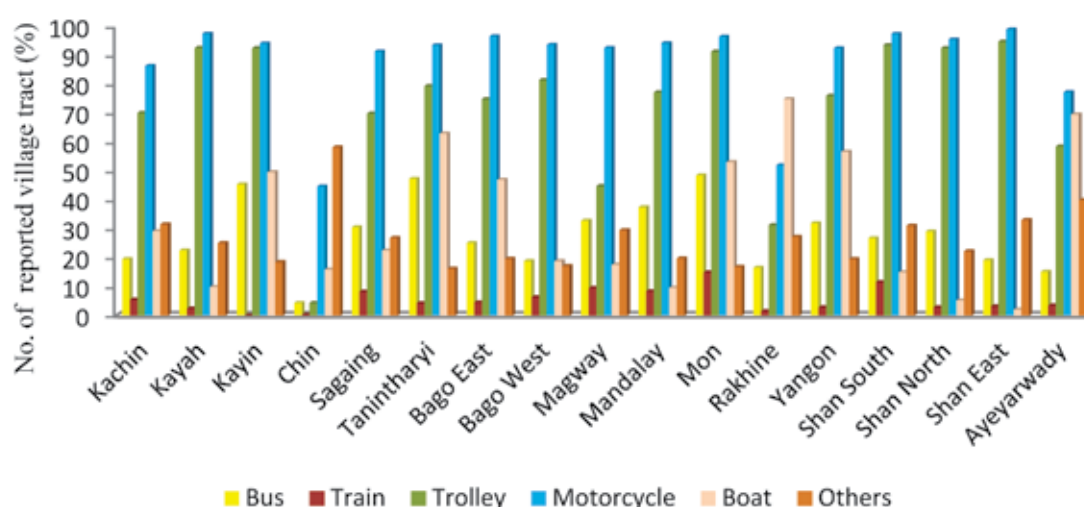
## Chapter IV – Information on village tracts

The basic administrative unit in Myanmar is the village tract, which is administrated by a committee directly supervised by a township General Administrative Committee. Most of the statistics in Myanmar represent those administrative units. The socio-demographic and socio-economic information at village tract level is very important for data users and policy-makers. Based on the CM, a community-level survey was conducted at village tract level. The heads of 11,301 village tracts throughout the country, except in those areas that were not visited because of security reasons, were interviewed using the MCA questionnaire form (E) which covered transport, communication, organizations, economic activities, market access, education, health care and disasters etc.

### 4.1 Transportation, communication and institutions

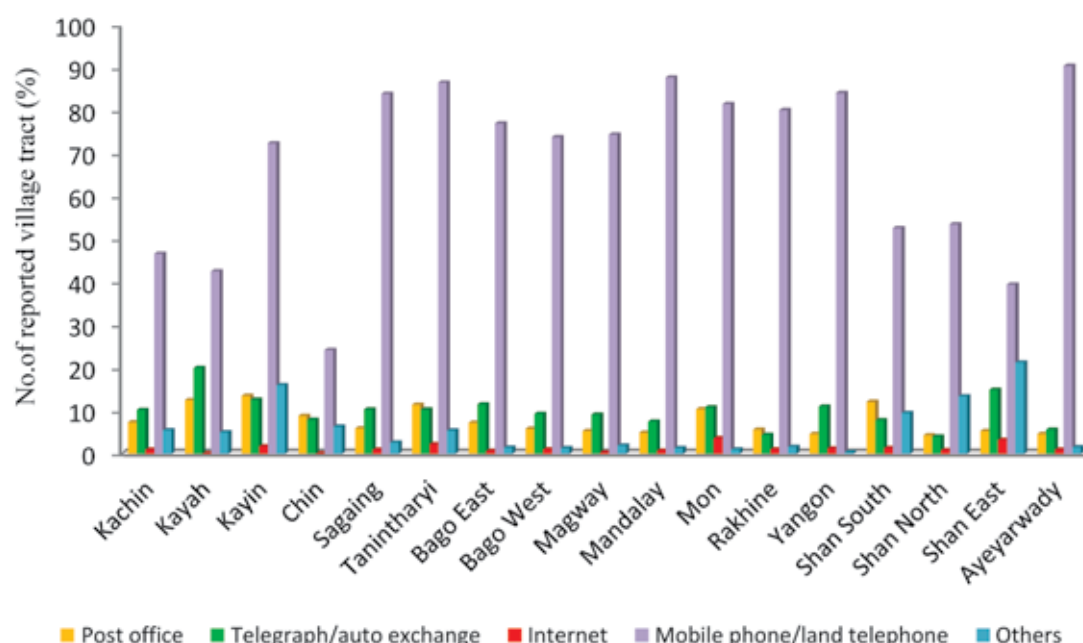
Based on the different ecological zones and different levels of socio-economic development, mode of transportation facilities varied from one place to another as they did in the various regions. Among the total surveyed village tracts in RoUM, 9,701 village tracts (86 percent) reported the utilization of motorcycles and 7,307 (65 percent) village tracts reported the use of trolleys for carrying loads and public transportation. The other most important transportation facilities in the village tracts were boats, buses and other transportation facilities. Trains were used for carrying loads and for public transportation by only by 6 percent of the reporting village tracts in Myanmar. See Annex II for Table E01.

Among the regions, the poorest transportation facilities were found in Chin State (Hilly Region). Most of the village tracts relied on other transportation facilities for carrying loads and public transportation. Transportation by boat was observed to be higher in coastal and delta regions such as Rakhine, Tanintharyi and Ayeyarwady. Transportation by train was found to be lowest in Kayin, Chin and Rakhine states. In all regions and states, the most dominant transportation facilities for carrying loads and for public transportation to and from, within and between, the village tracts were motorcycles and trolleys as is shown in Figure 4.1.



**Figure 4.1 Percentages of surveyed village tracts reporting use of transportation facilities, by mode of transportation facilities and by region/state, RoUM: 2010**

Among the 11,301 village tracts at the Union level, 77.1 percent reported the use of mobile phones and land telephone facilities, 8.2 percent had access to telegraph and auto exchange, and 5.9 percent were serviced by post offices. Among the regions/states, mobile phones and land telephones were made available in more than 80 percent of the surveyed village tracts in Sagaing, Tanintharyi, Mandalay, Mon, Yangon and Ayeyarwady. Telegraph/auto exchange services were accessed in more than 10 percent of the surveyed village tracts in Kachin, Kayah, Kayin, Sagaing, Tanintharyi, Bago East, Mon, Yangon, and Shan East. Post offices were available in more than 10 percent of the covered village tracts in Kayah, Kayin, Tanintharyi, Mon and Shan South (see Figure 4.2 below and Table E02 in Annex II).



**Figure 4.2 Percentages of surveyed village tracts with access to communication facilities, by type of communication facilities and by region/state, RoUM: 2010**

The presence of women's organization was observed in 61 percent of the surveyed village tracts at the Union level. Non-government organizations (NGOs) and international non-government organizations (INGO) were established in 36 percent and 3 percent, respectively, of the surveyed village tracts as shown in Table 4.1.

The presence of women's organization was prominent in more than 50 percent of the surveyed village tracts in all of Myanmar's regions and states. NGOs were present in more than 30 percent of the surveyed village tracts in Chin, Sagaing, Tanintharyi, Bago East, Bago West, Magway, Mandalay, Mon, Rakhine, Yangon, Shan East and Ayeyarwady. INGOs were present in 18 percent of the surveyed village tracts in Chin State and INGOs were also found in less than 9 percent of the surveyed village tracts in the remaining sixteen regions and states.

**Table 4.1 Number and percentage of village tracts with women's organizations, NGOs and INGOs, by region/state, RoUM: 2010**

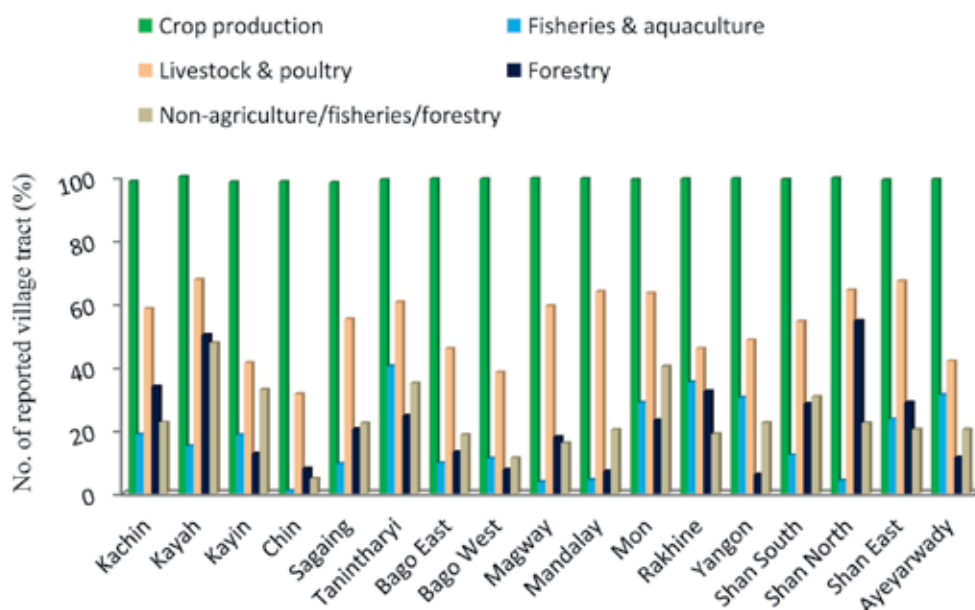
Region/State	Women's Organization		NGOs		INGOs		Total	
	No.	%	No.	%	No.	%	No.	%
Union of Myanmar	10,310	61	6,033	36	586	3	16,929	100
Kachin	285	63	134	30	32	7	451	100
Kayah	31	69	11	24	3	7	45	100
Kayin	106	70	40	26	6	4	152	100
Chin	173	51	104	31	62	18	339	100
Sagaing	1,478	59	967	39	57	2	2,502	100
Tanintharyi	177	60	113	38	4	1	294	100
Bago East	590	67	277	31	14	2	881	100
Bago West	587	61	375	39	2	0	964	100
Magway	1,410	60	838	36	93	4	2,341	100
Mandalay	1,353	67	639	31	37	2	2,029	100
Mon	299	58	171	33	48	9	518	100
Rakhine	751	58	477	37	62	5	1,290	100
Yangon	555	63	294	33	33	4	882	100
Shan South	202	67	88	29	13	4	303	100
Shan North	457	64	201	28	54	8	712	100
Shan East	73	57	55	43	1	1	129	100
Ayeyarwady	1,783	58	1,249	40	65	2	3,097	100

## 4.2 Main economic activities and market access

Being an agricultural country, nearly 99 percent of the 11,301 village tracts in RoUM were mainly engaged in crop production for their livelihoods. Other important economic activities were livestock and poultry raising (52 percent). Of lesser importance were activities in the non-agriculture/fishery/forestry sector (20 percent), forestry related activities (18 percent) and activities in the fisheries and aquaculture sector (16 percent).

Among the regions, the fisheries and aquaculture sector was found to be more common in coastal and delta regions, namely, Tanintharyi, Rakhine, Ayeyarwady and Yangon. Forest-related economic activities were observed to be more common in Shan North, Kayah, Kachin and Rakhine states. Non-agriculture/forest/fisheries activities were found to be less common in Chin state. Forest-related economic activities were less common in Chin, Bago West, Yangon and Ayeyarwady. Based on the census results, the economic activities of the surveyed village tracts within and between the regions in RoUM are presented in Figure 4.3 and in Table E-04 in Annex II.





**Figure 4.3 Percentages of the reported village tracts reporting economic activities by type of economic activities, by region/state, RoUM: 2010**

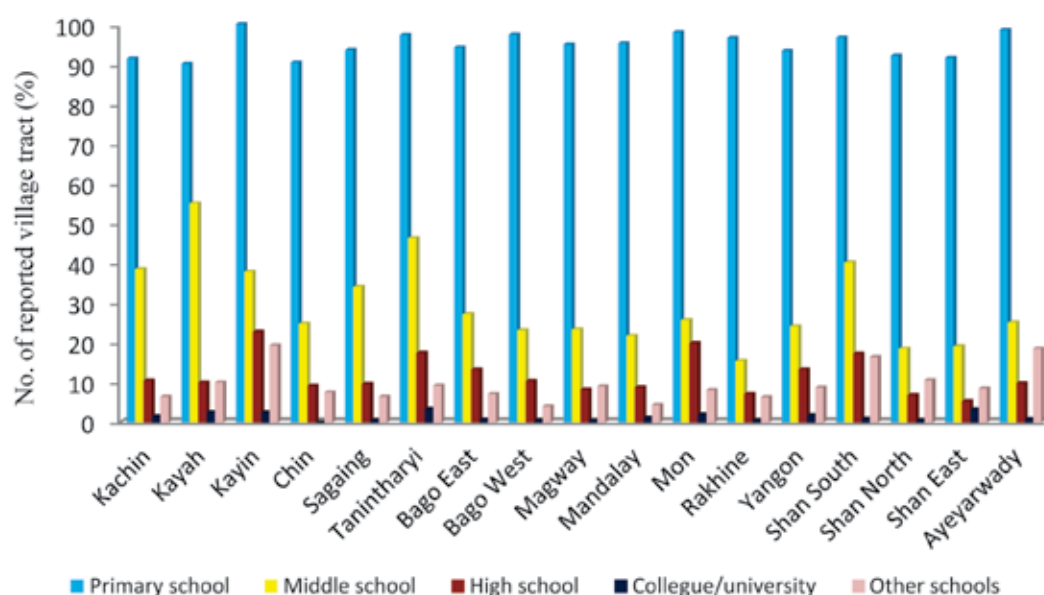
The number and percentage of surveyed village tracts with and without access to public markets are shown in Table 4.2. Of the total surveyed village tracts in RoUM, about 11 percent reported having access to public markets. Table 4.2 shows that the regions/states with low access to public markets were Chin, Magway, Bago East and West, Sagaing, Ayeyarwady, Mandalay and Magway.

**Table 4.2 Number and percentage of village tracts with and without access to public markets by region/state, RoUM: 2010**

Region/State	With public market		Without public market		Total	
	No.	%	No.	%	No.	%
Union of Myanmar	1,257	11.1	10,044	88.9	11,301	100
Kachin	71	20.7	272	79.3	343	100
Kayah	6	15.0	34	85.0	40	100
Kayin	17	14.3	102	85.7	119	100
Chin	6	1.9	312	98.1	318	100
Sagaing	123	7.9	1,435	92.1	1,558	100
Tanintharyi	40	21.7	144	78.3	184	100
Bago East	56	90.0	568	91.0	624	100
Bago West	39	6.3	584	93.7	623	100
Magway	71	4.8	1,423	95.2	1,494	100
Mandalay	138	9.7	1,282	90.3	1,420	100
Mon	87	28.3	220	71.7	307	100
Rakhine	189	19.6	775	80.4	964	100
Yangon	55	9.8	509	90.2	564	100
Shan South	56	24.1	176	75.9	232	100
Shan North	128	21.2	476	78.8	604	100
Shan East	14	14.9	80	85.1	94	100
Ayeyarwady	161	8.9	1,652	91.1	1,813	100

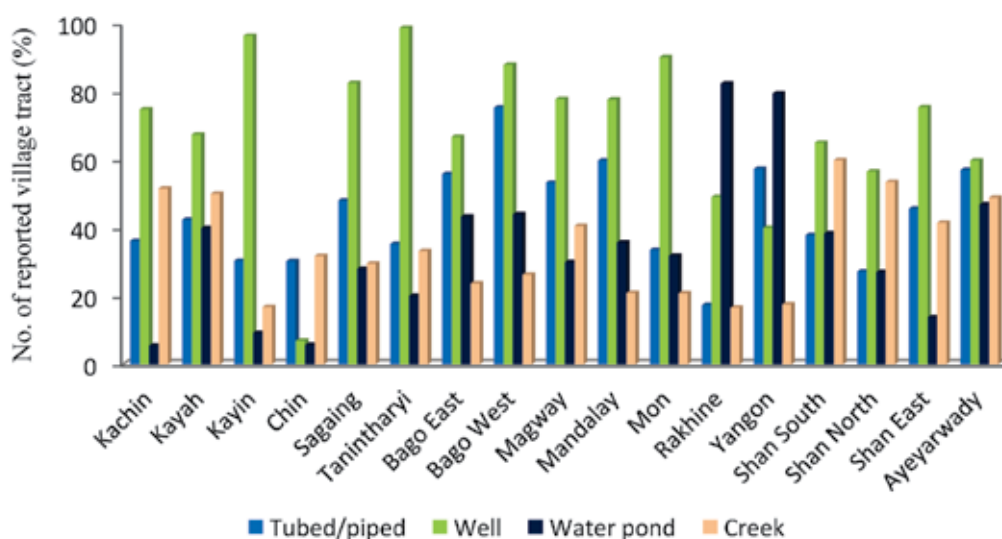
### 4.3 Education and healthcare

Of the total surveyed village tracts in RoUM, 10,764 village tracts reported the presence of a primary school. About 26 percent, 10 percent and 1 percent of the village tracts had a middle school, a high school and a college, respectively. About 9 percent of the village tracts relied on other schools (e.g. temple school, other religious and private schools). The number and proportion of surveyed village tracts with access to basic and higher-level schools are shown in Figure 4.4. It can be seen in this table that above 90 percent of the village tracts in each region/state reported to have access to a primary school. Moreover, Shan East, Shan North and Rakhine had the lowest proportion of high schools. There was no college or university in Chin state. The percentage of village tracts with access to other schools was higher in Kayin, Ayeyarwady and Shan South regions.



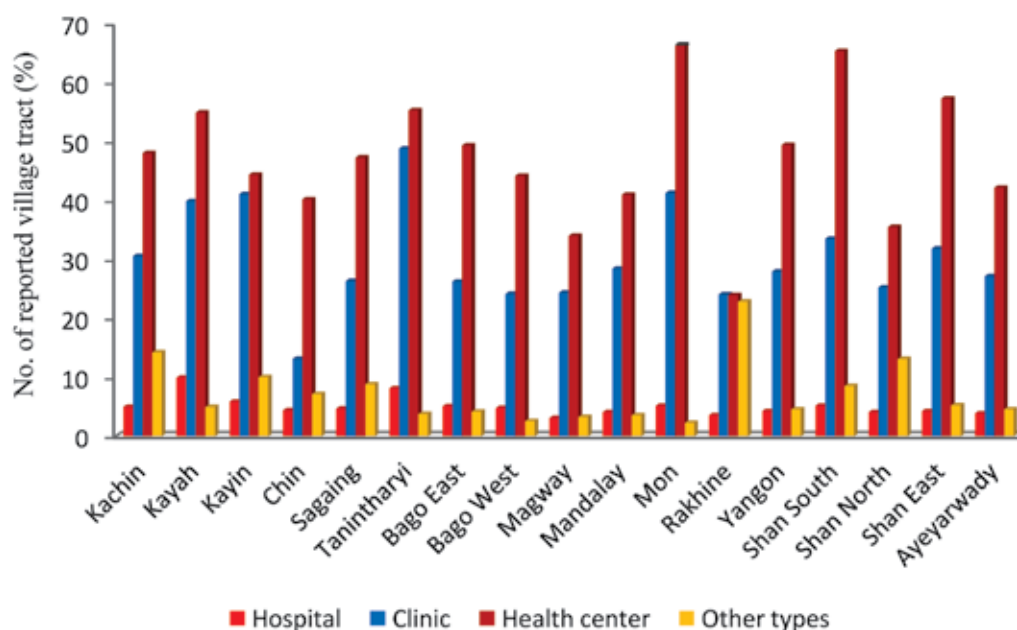
**Figure 4.4 Number and percentage of surveyed village tracts with access to schools by region/state, RoUM: 2010**

At the Union level, wells were used as source of drinking water in 68.6 percent of the surveyed village tracts. Tubes/pipes were available in 48.5 percent and water ponds were used in 39.7 percent of the surveyed village tracts. Creeks were utilized in 33.3 percent of the surveyed village tracts and wells were available in more than 70 percent of the surveyed village tracts in Kachin, Kayin, Sagaing, Tanintharyi, Bago West, Magway, Mandalay, Mon, and Shan East. Tubes/pipes were provided in more than 50 percent of the surveyed village tracts in Bago East, Bago West, Magway, Mandalay, Yangon and Ayeyarwady. Water ponds were used in more than 40 percent of the surveyed village tracts in Bago East, Bago West, Rakhine, Yangon and Ayeyarwady whereas creeks were utilized in more than 40 percent of the village tracts in Kachin, Kayah, Magway, Shan South, Shan East, Shan North and Ayeyarwady. All these can be seen in Figure 4.5 below and Table E-07 in Annex II.



**Figure 4.5 Percentages of the surveyed village tracts reporting portable drinking water by region/state, RoUM: 2010**

At the Union level, health centres were commonly available in 42.4 percent of the covered village tracts. Clinics were found in 27.2 percent and hospitals in 4.3 percent of the surveyed village tracts. Health centres were found in more than 45 percent of the village tracts in Kachin, Kayah, Sagaing, Tanintharyi, Mon, Yangon, Shan South and Shan East. Clinics were provided in more than 30 percent of the surveyed village tracts in Kachin, Kayah, Kayin, Mon, Shan South and Shan East. Hospitals were available in more than 5 percent of the surveyed village tracts in Kayah, Kayin, Tanintharyi, Bago East, Mon and Shan South. The number of surveyed village tracts with access to healthcare facilities by regions/states is presented in Figure 4.6.



**Figure 4.6 Percentages of the surveyed village tracts with access to health care facilities by type of facilities, by region/state, RoUM: 2010**

## 4.4 Incidence of disasters

The number of incidents of disaster in the surveyed village tracts within the last five years by the number of incidents prior to the field survey of the 2010 MCA SM is presented in Table 4.3. Of the total surveyed village tracts, only 3,739 of the village tracts (33 percent) had encountered incidents of disaster. Of all the reported village tracts (3,739) in RoUM, 98.3 percent had faced natural disasters at least two or three times and 1.7 percent encountered disasters more than three times during the past five years. Although most of the surveyed village tracts in Kayin and Kachin states had fewer incidents of disaster than other regions, some of these village tracts, especially in border areas, had encountered more incidents of disaster during the past five-year period than other regions.

**Table 4.3 Number and percentage of village tracts subject to disasters within the previous five years, by number of incidents of disaster, by region/state, RoUM: 2010**

Region/State	Number of Times of Disaster					
	2-3 times		More than 3 times		Total	
	No.	%	No.	%	No.	%
Union of Myanmar	3,675	98.3	64	1.7	3,739	100
Kachin	47	87.0	7	13.0	54	100
Kayah	6	100.0	0	0.0	6	100
Kayin	11	78.6	3	21.4	14	100
Chin	160	97.6	4	2.4	164	100
Sagaing	166	98.8	2	1.2	168	100
Tanintharyi	27	96.4	1	3.6	28	100
Bago East	291	98.3	5	1.7	296	100
Bago West	32	97.0	1	3.0	33	100
Magway	264	98.5	4	1.5	268	100
Mandalay	206	92.4	17	7.6	223	100
Mon	125	100.0	0	0.0	125	100
Rakhine	598	98.0	12	2.0	610	100
Yangon	530	99.3	4	0.7	534	100
Shan South	39	100.0	0	0.0	39	100
Shan North	60	98.4	1	1.6	61	100
Shan East	20	100.0	0	0.0	20	100
Ayeyarwady	1,093	99.7	3	0.3	1,096	100

## 4.5 Agro-processing equipment/machines

Among the total surveyed village tracts in RoUM, 7,980 village tracts (71 percent) reported having rice mills and 6,011 (53 percent) village tracts owned threshers and 2,242 village tracts (20 percent) possessed edible oil mills for crop processing. Very few of the surveyed village tracts had sugar mills (0.6 percent) and crop dryers (0.8 percent) in Myanmar. These are reported in Table 4.4.

The number of threshers was very low in Chin, Rakhine and Mon states whereas the number of rice mills was lower in Chin, Sagaing and Mandalay regions than in other regions/states. The number of village tracts with edible oil mills was higher in Magway, Sagaing and Mandalay than in other regions in Myanmar. Very few surveyed village tracts reported a very low number of sugar mills, crop dryers and feed mills compared to other equipment in Myanmar.

**Table 4.4 Number and percentage of village tracts reporting agro-processing equipment/machines, by kind of agro-processing equipment/machines, by region/state, RoUM: 2010**

Region/State	Kind of Agro-Processing Equipment/Machines															
	Thresher		Rice Mill		Sugar Mill		Edible Oil Mill		Crop Dryer		Feed Mill		Others		Total	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Union of Myanmar	6,011	53.2	7,980	70.6	69	0.6	2,242	19.8	96	0.8	625	5.5	1,113	9.8	11,301	100.0
Kachin	188	54.8	242	70.6	2	0.6	91	26.5	2	0.6	1	0.3	26	7.6	343	100.0
Kayah	23	57.5	24	60.0	0	0.0	9	22.5	0	0.0	1	2.5	6	15.0	40	100.0
Kayin	81	68.1	93	78.2	1	0.8	17	14.3	0	0.0	0	0.0	7	5.9	119	100.0
Chin	0	0.0	147	46.2	0	0.0	21	6.6	0	0.0	2	0.6	35	11.0	318	100.0
Sagaing	1,144	73.4	785	50.4	13	0.8	594	38.1	10	0.6	107	6.9	266	17.1	1,558	100.0
Tanintharyi	122	66.3	144	78.3	0	0.0	5	2.7	2	1.1	2	1.1	9	4.9	184	100.0
Bago East	416	66.7	511	81.9	6	1.0	49	7.9	4	0.6	6	1.0	45	7.2	624	100.0
Bago West	444	71.3	526	84.4	2	0.3	34	5.5	11	1.8	2	0.3	21	3.4	623	100.0
Magway	669	44.8	931	62.3	6	0.4	598	40.0	7	0.5	328	2.0	123	8.2	1,494	100.0
Mandalay	761	53.6	768	54.1	14	1.0	445	31.3	17	1.2	130	9.2	165	11.6	1,420	100.0
Mon	47	15.3	241	78.5	2	0.7	18	5.9	0	0.0	3	1.0	27	8.8	307	100.0
Rakhine	47	4.9	819	85.0	6	0.6	42	4.4	1	0.1	3	0.3	79	8.2	964	100.0
Yangon	340	60.3	494	87.6	0	0.0	8	1.4	3	0.5	10	1.8	18	3.2	564	100.0
Shan South	93	40.1	168	72.4	5	2.2	62	26.7	5	2.2	2	0.9	17	7.3	232	100.0
Shan North	330	54.6	510	84.4	4	0.7	80	13.2	13	2.2	9	1.5	74	12.3	604	100.0
Shan East	32	34.0	87	92.6	0	0.0	1	1.1	1	1.1	1	1.1	7	7.4	94	100.0
Ayeyarwady	1,274	70.3	1,490	82.2	8	0.4	168	9.3	20	1.1	18	1.0	188	10.4	1,813	100.0

## **ANNEX I**

# **Census questionnaires**

MCA Form A  <div style="text-align: center;">   <b>UNION OF MYANMAR</b>  <b>MINISTRY OF AGRICULTURE AND IRRIGATION</b>  Settlement and Land Records Department   <b>MYANMAR CENSUS OF AGRICULTURE 2010</b>   <b>Questionnaire for Crop Cultivation</b> </div>				<b>A1. Geographic Identification</b> 1. State/Division: _____ 2. District: _____ 3. Township: _____ 4. Village Tract/Ward: _____ 5. Village/Block: _____ 6. Household Serial Number _____ 7. Agricultural Holding Control Number _____ 8. Name of Respondent _____ <div style="float: right; text-align: right; font-size: small;"> Copy the following from MCA Form D  Line No.:      Sex:      Age: </div>				
<b>A2. Crop Holding/Holder Identification</b>								
2.1 Who is the main person responsible for this holding? Name of Holder: _____ <div style="float: right; text-align: right; font-size: x-small;"> Copy the following from MCA Form D  Line No.:      Sex:      Age: </div> Hired Manager: _____ Organization: _____ Address: _____				2.2 What is the legal status of the holder? <input type="checkbox"/> 1 – Single holding household      5 – government 2 – Jointly with other household(s)      corporation/institution 3 – corporation      6 – other private institution 4 – cooperative      7 – other, specify _____				
<b>A3. Parcel Characteristics in the Crop Holding</b>								
3.1 Total number of parcels <i>(Include all parcels used in agricultural activities.)</i>				3.2 Total area of the crop holding <i>(Enter in acres; round off to 2 decimal places.)</i>				
3.3 Details of each parcel. List all parcels of the holding and its characteristics during the past 12 months. Include all lands used for crop production activities. Include also the fallow lands as well as those used for other purposes as long as these are parts of the crop holding.								
Parcel Line No.	Kwin No. <small>(Enter no., if unknown, "AAAA")</small>	Geographic Location of the Parcel						Total area of the parcel <small>(Enter in acres in 2 decimal places)</small>
		District		Township		Village Tract		
		Name	Enter code	Name	Enter code	Name	Enter code	
(1)	(2)	(3a)	(3b)	(4a)	(4b)	(5a)	(5b)	(6)
1								
2								
3								
4								
5								
6								
7								
8								
Parcel Line No.	Land Type <small>(Enter code)</small>	Land Use <small>(Enter code)</small>	Land Tenure <small>(Enter code)</small>	Did you practice shifting cultivation in this parcel? 1-Yes 2-No <small>(Enter code)</small>	Was the parcel irrigated during the reference period? 1-Yes → go to 11b 2-No → go to Q3.4 <small>(Enter code)</small>	If Yes in col. 11a, Use of Irrigation Area Irrigated      Main Type of irrigation <small>(Enter in acres; up to 2 decimal places)</small> <small>(Enter code)</small>		
(1)	(7)	(8)	(9)	(10)	(11a)	(11b)	(11c)	
1								
2								
3								
4								
5								
6								
7								
8								
<b>Codes for Land type:</b> 4. garden <b>Code for Land Use:</b> 4. fallow <b>Code for Land Tenure:</b> <b>Code for Type of irrigation:</b> 1. paddy      5. dhani      1. annual crops      5. livestock/poultry      1. owner-like      1. own well      3. private dam/canal 2. ya      6. rubber      2. permanent crops      6. aquaculture      2. trespassed/squatter      2. creek/river      4. Gov't irrigation facilities 3. kaing      7. other lands      3. combined annual/permanent crops      7. other land use.      3. other land tenure      5. other types								
3.4 Did you use part of your homelot in growing any edible crops/permanent crops at anytime during the past twelve months? 1 – Yes → go to Q3.5      2 – No → go to Section A4      3 – Not Applicable → go to Section A4      enter code in the box provided								
3.5 What is the total area of your homelot? <i>(use 3 decimal places)</i>				3.6 What is the land tenure of this homelot? Refer to Q3.3 code for land tenure				



A4. Crops Planted	
1	1. Crop
2	2. Acres
3	3. Crop
4	4. Acres
5	5. Crop
6	6. Acres
7	7. Crop
8	8. Acres
9	9. Crop
10	10. Acres
11	11. Crop
12	12. Acres
13	13. Crop
14	14. Acres
15	15. Crop
16	16. Acres
17	17. Crop
18	18. Acres
19	19. Crop
20	20. Acres
21	21. Crop
22	22. Acres
23	23. Crop
24	24. Acres
25	25. Crop
26	26. Acres
27	27. Crop
28	28. Acres
29	29. Crop
30	30. Acres
31	31. Crop
32	32. Acres
33	33. Crop
34	34. Acres
35	35. Crop
36	36. Acres
37	37. Crop
38	38. Acres
39	39. Crop
40	40. Acres
41	41. Crop
42	42. Acres
43	43. Crop
44	44. Acres
45	45. Crop
46	46. Acres
47	47. Crop
48	48. Acres
49	49. Crop
50	50. Acres
51	51. Crop
52	52. Acres
53	53. Crop
54	54. Acres
55	55. Crop
56	56. Acres
57	57. Crop
58	58. Acres
59	59. Crop
60	60. Acres
61	61. Crop
62	62. Acres
63	63. Crop
64	64. Acres
65	65. Crop
66	66. Acres
67	67. Crop
68	68. Acres
69	69. Crop
70	70. Acres
71	71. Crop
72	72. Acres
73	73. Crop
74	74. Acres
75	75. Crop
76	76. Acres
77	77. Crop
78	78. Acres
79	79. Crop
80	80. Acres
81	81. Crop
82	82. Acres
83	83. Crop
84	84. Acres
85	85. Crop
86	86. Acres
87	87. Crop
88	88. Acres
89	89. Crop
90	90. Acres
91	91. Crop
92	92. Acres
93	93. Crop
94	94. Acres
95	95. Crop
96	96. Acres
97	97. Crop
98	98. Acres
99	99. Crop
100	100. Acres

4.1 For each parcel, indicate all **Annual Crops** planted to show land use intensity.

[illegible]

Codes for the months: 01 – January 2010 02 – February 2010 03 – March 2010 04 – April 2010 05 – May 2010 06 – June 2010  
07 – July 2010 08 – August 2010 09 – September 2010 10 – October 2010 11 – November 2010 12 – December 2010

4.2 Details of the harvest done for the ten major crops listed below during each cropping duration/period.

*Note only ten major crops (if planted by the holder) will be asked in this subsection. For the purpose of this census, all major crops reported planted in subsection 4.1 in all cropping durations should have report on crop production. **If no major crop reported in subsection 4.1, skip this question.** See the specific ten major crops to be reported in this subsection.*

[illegible]

List of Major Annual Crops:	031 – groundnut
-----------------------------	-----------------

001 – paddy	013 – green gram	032 – sunflower
005 – maize (seed)	021 – pigeon pea	034 – sesame
012 – black gram	028 – sugarcane	042 – long staple cotton

013 – green gram	032 – sunflower
021 – pigeon pea	034 – sesame
028 – sugarcane	042 – long staple cotton

031 – groundnut  
032 – sunflower  
034 – sesame  
042 – long staple cotton

#### A4. Crops Planted

4.3 Specify all **Permanent Crops** in the holding; indicate whether compact or scattered. *Include forest trees that the holding planted and produced. Exclude homelot.*

[illegible]

*For codes of permanent crop, refer to coding sheet*

*This question is not applicable to the non-household sector holdings. Hence, skip this question for such holdings.*

4.4 What were the crops planted in the homelot during the past 12 months whether scattered or not?

Crop Name	Code	If extensive, Area Planted	If permanent crops, Number of trees/plants	Crop Name	Code	If extensive, Area Planted	If permanent crops, Number of trees/plants
(1a)	(1b)	(2)	(3)	(1a)	(1b)	(2)	(3)

## A5. Agricultural Practices

5.1 Did this holding use any tool/machinery/equipment during the past twelve months? ☐

Enter the code in the box provided.

1 – Yes → go to Q5.2

2 – No → go to Q5.3

--	--

5.2 Specify the number of tool/machinery/equipment used on holding during the past twelve months.

[illegible]

Codes for tools/machineries/equipment:

01 – plough	06 – sickle
02 – rotary harrow	07 – fork
03 – other harrow	08 – rake
04 – inter-cultivator	09 – roller
05 – hoe	10 – sprayer

11 – harvester  
12 – thresher  
13 – water pump  
14 – power tiller  
15 – huller  
16 – tractor

17 – bullock cart  
18 – trolley  
19 – vehicle/car/ motorcycle  
20 – motorboat  
21 – other, specify

A5. Agricultural Practices					
5.3 Did this holding use any agricultural building/structure during the past 12 months? <i>Enter the code in the box provided. 1 – Yes → go to Q5.4      2 – No → go to Q5.5</i>					<input style="width: 40px; height: 20px;" type="text"/>
5.4 Specify the type of building/structure and the number used in the holding during the past 12 months.					
Type of Building/ Structure <i>(enter code)</i>	Number <i>(enter code)</i>	Is it occupied? 1-Yes 2-No <i>(enter code)</i>	Type of Building/ Structure <i>(enter code)</i>	Number <i>(enter code)</i>	Is it occupied? 1-Yes 2-No <i>(enter code)</i>
(1)	(2)	(3)	(1)	(2)	(3)
Codes for the type of building:    1 – office    2 – storage/silos    3 – other, specify					
5.5 Did this holding use/apply the following agricultural practices in the past twelve months? <i>Enter code in each box provided. 1 – Yes    2 – No</i>			5.6 If Yes in Q5.5 Item 5, what high yielding variety of rice seed did you use? <i>(Note: this accepts multiple entries; enter code(s) in the box provided below.)</i>		
1. Organic fertilizers (manure, compost, etc.) 2. Inorganic/chemical fertilizers (phosphate, etc.) 3. Pesticides/herbicides/insecticides, etc. 4. Local rice seeds 5. Rice seeds of high yielding variety (HYV) 6. Other crop seeds of HYV 7. Contour/Terrace farming 8. Weeding of crop fields 9. Building dike to preserve water/prevent flood			1 – Manawthukha    4 – Yezin Lonethwe 2 – Sinae Kayi      5 – Sin Thwe Latt 3 – Theehtat Yin    6 – Other, specify  <div style="border: 1px solid black; width: 100%; height: 20px; margin-top: 5px;"></div>		
1. <input style="width: 40px;" type="text"/> 2. <input style="width: 40px;" type="text"/> 3. <input style="width: 40px;" type="text"/> 4. <input style="width: 40px;" type="text"/> 5. <input style="width: 40px;" type="text"/> 6. <input style="width: 40px;" type="text"/> 7. <input style="width: 40px;" type="text"/> 8. <input style="width: 40px;" type="text"/> 9. <input style="width: 40px;" type="text"/>			5.7 Total area of parcel(s) sown with regards to Items 4 and 5 in Q5.5: <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <div style="border: 1px solid black; width: 45%; padding: 2px;">1. Local rice seed</div> <div style="border: 1px solid black; width: 45%; padding: 2px;">2. HYV rice seed</div> </div>		
A6. Hiring/Exchanging Farm Labor					
6.1 Did this holding exchange labor with other household agricultural holdings? 1 – Yes                      2 – No                      3 – Not applicable (for non-household sector's holdings)					<input style="width: 40px; height: 20px;" type="text"/>
6.2 Did you avail any agricultural services from other household/individual/private companies? 1 – Yes                      2 – No                      3 – Not applicable (for non-household sector's holdings)					<input style="width: 40px; height: 20px;" type="text"/>
6.3 Did this holding hire the following outside labor in the operation of the holding at anytime during the past twelve months? <i>Enter 1 – Yes    2 – No in the box provided; If household-based, end interview</i>					<input style="width: 40px; height: 20px;" type="text"/>
1. Agricultural laborers working either full time or part time 2. Seasonal workers					<input style="width: 40px; height: 20px;" type="text"/>
6.4 For non-household sector only, ask for the number of hired laborers by sex and kind of worker.					
Sex	Kind of Worker				
	Manager	Farm laborer	Other workers		
(1)	(2)	(3)	(4)		
Male					
Female					
Total					
Status of Enumeration			Status of Submission/Field Editing		
Date Started: _____ Date Completed: _____ Name of Enumerator: _____ Signature of Enumerator: _____			Date Started: _____ Date Completed: _____ Name of Supervisor: _____ Signature of Supervisor: _____		
<b>REMARKS</b>					





B4. Disposal during the past 12 months									
4.1 Did this holding dispose any livestock/poultry during the past twelve months? Enter code									<input type="text"/>
1 – Yes → go to Q4.2      2 – No → go to Q4.3									
4.2 Disposal of livestock and poultry in the past twelve months									
Enter L/P code from B3	Means of Disposal				Enter L/P code from B3	Means of Disposal			
	Con- sumed	Sold	Given away	Other means		Con- sumed	Sold	Given away	Other means
(1)	(2)	(3)	(4)	(5)	(1)	(2)	(3)	(4)	(5)
4.3 Disposal of livestock/poultry products									
Name of Product	Disposed in past 12 months? 1-Yes 2-No enter code	If Yes in col. 2, Quantity/Volume Disposed				If sold in col. 3b, How often? 1- Daily 3-Monthly 2- Weekly 4-Seldom enter code	Unit of Measure		
		Consumed	Sold	Given away	Other specify				
(1)	(2)	(3a)	(3b)	(3c)	(3d)	(4)	(5)		
1 – Milk							Viss		
2 - Chicken eggs							Pieces		
3 - Duck eggs							Pieces		
4 - Quail eggs							Pieces		
5 - Raw wool							Viss		
6 - Raw leather							Viss/Sheet		
7 - Other products									
B5. Hired Labor									
5.1 Did this holding hire laborers for the livestock/poultry activity during the past twelve months?							<input type="text"/>		
1 – Yes → go to Q5.2      2 – No → go to Section B6									
5.2 How many laborers did you hire during the past 12 months?					Male:	Female:			
B6. Machinery/Equipment Used in L/P Keeping/Breeding (during past 12 months)									
Machinery/ Equipment	Did you use? 1-Yes 2-No enter code	Machinery/ Equipment	Did you use? 1-Yes 2-No enter code	Machinery/ Equipment	Did you use? 1-Yes 2-No enter code				
(1)	(2)	(1)	(2)	(1)	(2)				
01. Generator		05. Feed Mixer		09. Tractor					
02. Heater		06. Mill		10. Other, specify					
03. Lamp		07. Extruder							
04. Trough		08. Vehicle							
B7. Building/Structure Used in the L/P Keeping/Breeding (during past 12 months)									
Building/ Structure	Did you use? 1-Yes 2-No enter code	If Yes in col. 2, Number	Building/ Structure	Did you use? 1-Yes 2-No enter code	If Yes in col. 2, Number				
(1)	(2)	(3)	(1)	(2)	(3)				
1 – Livestock house/shed			3 – Poultry house						
2 – Stockyard			4 – Other, specify						
B8. Agricultural Crops around the L/P Place (as of day of visit)									
8.1 Are there any crops planted within the Livestock/Poultry holding as of the time of visit?									
Enter code in the box provided. 1 – Yes → go to Q8.2      2 – No → end interview      3 – Not applicable → end interview									
8.2 List down below the crops found on the holding. List first all annual crops and permanent crops. (Refer to coding sheet for the codes of annual and permanent crops.)									
Name of annual crop	Crop code	Area planted	Name of permanent crop	Crop code	No. of productive trees				
(1)	(2)	(3)	(4)	(5)	(6)				
Status of Enumeration:			Status of Submission/Field Editing:						
Date Started: _____ Date Completed: _____			Date Started: _____ Date Completed: _____						
Printed Name of Enumerator: _____			Printed Name of Supervisor: _____						
Signature of Enumerator: _____			Signature of Supervisor: _____						

MCA Form C  UNION OF MYANMAR MINISTRY OF AGRICULTURE AND IRRIGATION Settlement and Land Records Department  <b>MYANMAR CENSUS OF AGRICULTURE 2010</b> <b>Aquaculture Holding Questionnaire</b>				<b>C1. Geographic Identification</b>																					
				1. State/Region: _____		<table border="1" style="width: 100%; height: 100%; border-collapse: collapse;"> <tr><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> </table>																			
				2. District: _____																					
				3. Township: _____																					
				4. Village Tract/Ward: _____																					
				5. Village/Block: _____																					
				6. Household Serial Number																					
				7. Aquaculture Holding Control Number																					
				8. Name of Respondent		Ask the specified items below Sex: _____ Age: _____																			
<b>C2. Aquaculture Holding/Holder Identification</b>																									
2.1 Who is the main person responsible for this holding?				2.2 What is the legal status of the holder? <input type="checkbox"/>																					
Name of Holder:		Ask the specified data items below:		1 – Single holding household 2 – Jointly with other household(s) 3 – corporation 4 – cooperative 5 – government corporation/institution 6 – private institution 7 – other, specify																					
		Sex: _____ Age: _____																							
Hired Manager:		Organization																							
		Address:																							
<b>C3. Details of the Aquaculture Activities</b>																									
3.1 How many types of aquaculture did this holding operate in the past 12 months? <i>enter here</i> → <input style="width: 50px;" type="text"/>																									
3.2 Indicate all the information regarding all aquaculture activities operated in the past 12 months.																									
Aqua-farm No.	Type of Aquaculture <i>Enter code</i>	Location of Aquaculture Activities						Surface Physical Area <i>enter in acres if fishpond/paddy field; otherwise, in sq. ft.</i>																	
		District		Township		Village Tract																			
		Name	<i>Enter Code</i>	Name	<i>Enter Code</i>	Name	<i>Enter Code</i>																		
(1)	(2)	(3a)	(3b)	(4a)	(4b)	(5a)	(5b)	(6)																	
Aqua-farm No	Type of water used 1 – fresh 2 – brackish 3 – Sea  <i>enter code</i>	Production Facility		Main Species Cultured			Is this aquafarm producing fry? 1–Yes 2- No  <i>enter code</i>	Is this aquafarm producing fingerling? 1–Yes 2- No  <i>enter code</i>																	
		Type	Number of facility	Name	<i>Enter Code</i>	Means of Disposal  <i>accepts multiple responses; enter code</i>																			
		1 – pond 2 – pen 3 – cage 4 – cement tanks 5 – paddy fields 6 – other <i>enter code</i>																							
(1)	(7)	(8a)	(8b)	(9a)	(9b)	(9c)	(10)	(11)																	
Codes for type of aquaculture:		Codes for main species cultured:				Codes for means of disposal:																			
1-hatchery/nursery      4 – fish pen 2-fishpond                5– fish cage 3-rice-cum-fish culture   6 – other, specify		01-catfish                05-tilapia                09-crab 02-snakehead           06-sea bass            10-eel 03-common carp        07-rohu (myit chin)   11-seaweeds 04-Chinese carp        08-shrimp/prawn       12-other, specify				1-Consumed 2-Sold 3-Given away 4-Other, specify																			

C4. Machinery/Equipment Used in the Aquaculture Holding (during past 12 months)			
Machinery/Equipment	Used? 1-Yes 2-No enter code	Machinery/Equipment	Used? 1-Yes 2-No enter code
(1)	(2)	(1)	(2)
1 – Generator		5 – Vehicle mainly used for aquaculture	
2 – Water pump		6 – Tractor mainly used for aquaculture	
3 – Aerator		7 – Other, specify	
4 – Feed Mixer/Mill/Extruder			

C5. Building/Structure Used in the Aquaculture Holding (during past 12 months)					
Building/Structure	Did you use? 1-Yes 2-No enter code	If Yes, Number	Building/Structure	Did you use? 1-Yes 2-No enter code	If Yes, Number
(1)	(2)	(3)	(1)	(2)	(3)
1 – office			4 – fish processing facility		
2 – storage building(s)			5 – other, specify		
3 – laboratory					

C6. Household Members Involved (for household-based only; during past 12 months)				
<i>Note this section will be asked for household-operated aquaculture holding. Skip this for non-household sector aquaculture holding.</i>				
Age of Household Members	Involved in Aquaculture Holding		Not Involved in Aquaculture Holding	
	Male	Female	Male	Female
(1)	(2a)	(2b)	(3a)	(3b)
10 – 15 years old				
16 – 64 years old				
65 years old and over				

C7. Hired Labor			
7.1 Did this holding hire laborers (outside labor) in this aquaculture holding during the past twelve months? <input type="checkbox"/>			
1 – Yes → go to Q7.2      2 – No → go to Section C8			
7.2 Ask for the number of hired laborers by sex and type of worker.			
Sex	Manager	Aquafarm laborer	Other workers
(1)	(2)	(3)	(4)
Male			
Female			
Total			

C8. Agricultural Crops Around the Aquaculture Holding as of day of visit					
8.1 Are there some crops planted within the aquaculture holding as of the time of visit? <i>Enter the code</i> <input type="checkbox"/>					
1 Yes → enter code; then go Q8.2      2 No → End of interview					
8.2 List down below the crops found on the holding. List first annual crops then permanent crops (Refer to coding sheet for the codes of annual and permanent crops)					
Name of Crop (annual)	Enter Crop code	Area planted	Name of Crop (permanent)	Enter Crop code	Number of productive trees
(1)	(2)	(3)	(4)	(5)	(6)

<b>Status of Enumeration:</b> Date Started: _____ Date Completed: _____ Printed Name of Enumerator: _____ Signature of Enumerator: _____	<b>Status of Submission/Field Editing:</b> Date Started: _____ Date Completed: _____ Printed Name of Supervisor: _____ Signature of Supervisor: _____
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MCA Form D  <div style="text-align: center;"> <p>UNION OF MYANMAR  <b>MINISTRY OF AGRICULTURE AND IRRIGATION</b>  Settlement and Land Records Department</p> </div> <p style="text-align: center; font-weight: bold; margin-top: 10px;">MYANMAR CENSUS OF AGRICULTURE 2010</p> <p style="text-align: center; font-weight: bold;">Household Questionnaire</p>				<b>D1. Geographic Identification</b> 1. State/Region: _____ 2. District: _____ 3. Township: _____ 4. Village Tract/Ward: _____ 5. Village/Block: _____ 6. Household Serial Number _____ Name of Respondent _____ <div style="float: right; text-align: right; font-size: small;"> Copy the following from Section D2  Line No.:    Sex:    Age: </div>					
<b>D2. Household Population</b>									
List all members of the household starting with the household head, spouse, unmarried children from eldest to youngest, then married children and their family, relatives of spouses, other relatives and other unrelated persons who are members of the household.									
2.1 Total Members →			2.2 Male Members →			2.3 Female Members →			
2.4 Details of the Characteristics of the Household Members (cols. 2-7 as of time of visit)									
Line No.	Name of Household Members (as of the time of visit)	Relation-ship to Head  (enter code)	Sex 1 – M 2 – F (enter code)	Age as of last birth-day (5)	If age is 5 & over, Education At-tained (enter code)	If age is 10 & over, Marital Status (enter code)	If age is 10 years & over, Did ____ work at anytime during past 12 months? <div style="display: flex; justify-content: space-between; font-size: small;"> <div>1 - Yes 2 - No (enter code)</div> <div>If Yes or code 1 in col. 8, what is ____ economic activity? [multiple entries; enter code(s)]</div> <div>If there is Code 1 in col. 9, what is ____ involvement in the holding? [multiple entries; enter code(s)]</div> </div>		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
01									
02									
03									
04									
05									
06									
07									
08									
09									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
<b>Code for Relationship to Head:</b> 1 – Head 2 – Spouse 3 – Son/Daughter 4 – Son-in-law/Daughter-in-law 5 – Grandchildren 6 – Parent/Parent-in-law 7 – Brother/Sister 8 – Other relatives 9 – Other non-related members		<b>Code for Education Attained:</b> 1 – Never attended school/ No grade completed 2 – Primary school level 3 – Middle school level 4 – High school level 5 – High school graduate 6 – College undergraduate 7 – College graduate 8 – Post graduate 9 – Other education, n.e.c.		<b>Code for Marital Status:</b> 1 – Never married/ Single 2 – Married 3 – Widowed 4 – Divorced/Separated 5 – Other, specify		<b>Code for Economic Activity:</b> 1 – Worked in own agricultural holding 2 – Worked in other agricultural holding 3 – Engaged in fishing/ aquaculture 4 – Worked in forestry-related activities 5 – Worked in non-agricultural/ fishing/ forestry industry		<b>Code for Involvement in the Holding:</b> 1 – Land preparation 2 – Planting/Transplanting 3 – Care of crops 4 – Harvesting/Picking/ Threshing 5 – Marketing of produce 6 – Care of livestock/poultry 7 – Fishing on the holding 8 – Other, specify	



D4. Food Accessibility (continued)	
4.2 Was there anytime in the past twelve months that you had difficulty in accessing any of these food items? 1 – Yes → go to Q4.3                      2 – No → go to Q4.6	<input style="width: 30px; height: 20px; border: 1px solid black;" type="checkbox"/>
4.3 Why did you have difficulty in accessing some of these basic food items in sometime of the past twelve months? <i>Note this question accepts multiple responses; enter all codes corresponding to the responses.</i>	
1 – low production of such food due to shortage of capital and less land area 2 – low production due to illness/disability of the holder 3 – crop loss due to heavy rain or draught or calamities or attack of pest 4 – seasonal food items; hence, not available always in the market 5 – very costly and cannot afford to eat more frequently 6 – limited food budget due to loss of non-agriculture job 7 – unhealthy/not good to eat more often 8 – other reasons, specify _____	<div style="border: 1px solid black; width: 100px; height: 20px; margin: 0 auto;"></div>
4.4 Did you take any steps in order to solve such food inaccessibility in sometime of the past twelve months? 1 – Yes → go to Q4.5                      2 – No → go to Q4.6	<input style="width: 30px; height: 20px; border: 1px solid black;" type="checkbox"/>
4.5 What steps did you take to solve food inaccessibility in sometime of the past twelve months? <i>Note this question accepts multiple responses; enter all appropriate codes in the boxes provided.</i>	
01 – sold other cash non-food crops/some livestock/properties 02 – bartered some goods such as livestock, mats, baskets, etc. for food 03 – gathered and ate food from the forest 04 – gathered and sold food/some products from the forest 05 – sent some household members to look for other sources of income 06 – asked assistance from relatives within the country/living abroad 07 – accepted assistance from charitable institutions 08 – borrowed food and/or money on credit 09 – changed food routine to alternative food items 10 – other steps, specify _____	<div style="border: 1px solid black; width: 100px; height: 20px; margin: 0 auto;"></div>
4.6 In the coming days or months, do you think you can buy and eat all or some of these basic food items? 1 – Yes → end interview                      2 – No → go to Q4.7	<input style="width: 30px; height: 20px; border: 1px solid black;" type="checkbox"/>
4.7 Why do you think that you cannot buy and eat all or some these basic food items? <i>Note this question accepts multiple responses; enter all appropriate codes in the boxes provided</i>	
1 – Not so sure whether there will be a good harvest of the crops planted 2 – Not so sure whether there will be enough income to buy all/some of these food items 3 – Increasing prices of food items may hinder us to buy and eat some of these 4 – Not so sure of what will happen in the coming days/months 5 – Other reasons, specify _____	<div style="border: 1px solid black; width: 100px; height: 20px; margin: 0 auto;"></div>
4.8 What steps will you take to buy and eat all or some of these basic food items in the coming days/months ? <i>Note this question accepts multiple responses; enter all appropriate codes in the boxes provided.</i>	
1 – increase crop production using HYV crop seeds 2 – start/increase effort in keeping/breeding livestock/poultry 3 – find other jobs/business aside from farming/keeping/breeding livestock/poultry 4 – train/guide household members in helping/operating the agricultural holding 5 – other steps, specify _____	<div style="border: 1px solid black; width: 100px; height: 20px; margin: 0 auto;"></div>
<b>Status of Enumeration:</b> Date Started: _____ Date Completed: _____ Printed Name of Enumerator: _____ Signature of Enumerator: _____	<b>Status of Submission/Field Editing:</b> Date Started: _____ Date Completed: _____ Printed Name of Supervisor: _____ Signature of Supervisor: _____
<div style="text-align: center; font-weight: bold; margin-bottom: 10px;">REMARKS/SPACE FOR COMPUTATION</div>	



MCA Form E Union of Myanmar  MINISTRY OF AGRICULTURE AND IRRIGATION Settlement and Land Records Department <b>MYANMAR CENSUS OF AGRICULTURE 2010</b> <b>Village Tract/Ward Questionnaire</b>				<b>E1. Geographic Identification</b> 1.State/Region: _____ 2.District: _____ 3.Township: _____ 4.Village Tract/Ward: _____																																																							
<b>E2. Identification of the Village Tract/Ward Leader</b> Name & Signature of Village Tract/Ward Leader: _____ Age: _____ Please provide the number of villages in your village tract/ward _____ Number of office staff/officials by sex <table border="1"> <tr> <td></td> <td>Male</td> <td>Female</td> </tr> <tr> <td></td> <td></td> <td></td> </tr> </table>					Male	Female				<b>E3. Type of Soil Existing in the Village Tract/Ward</b> Which of the following soil types does your village tract/ward have? <table border="1"> <tr> <th>Types of soil</th> <th>Existing? 1-Y 2-N enter code</th> <th>Types of soil</th> <th>Existing? 1-Y 2-N enter code</th> </tr> <tr> <td>1-sandy land</td> <td></td> <td>4-loamy soil</td> <td></td> </tr> <tr> <td>2-clayey land</td> <td></td> <td>5-black cotton soil</td> <td></td> </tr> <tr> <td>3-sandy loam</td> <td></td> <td>6-other, specify</td> <td></td> </tr> </table>				Types of soil	Existing? 1-Y 2-N enter code	Types of soil	Existing? 1-Y 2-N enter code	1-sandy land		4-loamy soil		2-clayey land		5-black cotton soil		3-sandy loam		6-other, specify																															
	Male	Female																																																									
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2-clayey land		5-black cotton soil																																																									
3-sandy loam		6-other, specify																																																									
<b>E4. Topographical features of the Villages in the Village Tract/Ward</b> 4.1 Indicate all types of topography in your village tract/ward. <i>Multiple responses; Enter all possible codes.</i> 1 – Mountain/Hilly      3 – Central plain dry      5 - Delta 2 – Coastal      4 – Central plain normal																																																											
<b>E5. Mode of transport (multiple entries)</b> 5.1 Indicate all transportation facilities available in the villages of your village tract/ward. Enter all appropriate code(s). 1 – bus      4 – motorcycle 2 – train      5 – boat 3 – trolley      6 – other, specify				<b>E6. Economic activities</b> 6.1 Indicate all economic activities of the villages in your village tract/ward. Enter all appropriate code(s). 1 - crop production 2 – fisheries incl. aquaculture 3 – livestock/poultry 4 – forestry 5 – non-agriculture/fisheries/forestry																																																							
<b>E7. Existence of seasonal labor movement</b> 7.1 Does any seasonal labor movement exist in your village tract/ward? 1 – Yes      2 – No      enter code →																																																											
<b>E8. Prone to disaster within previous five years</b> 8.1 Was your village tract/ward prone to disaster within last five years? 1 – Yes → go to Q8.2      2 – No → go to E9      enter code → 8.2 How many times was your village tract/ward prone to disaster within last five years? 1 – once      3 – 4-5 times 2 – 2-3 times      4 – more than 5 times      enter code →																																																											
<b>E9. Agricultural land area</b> 9.1 Please provide the total estimated area of agricultural land in your village tract/ward      Enter in acres →																																																											
<b>E10. Number of times of crop cultivation</b> 10.1 Please provide the number of times of crop cultivation in your village tract./ward 1 – once      3 – three times 2 – twice      4 – more than 3 times      enter code →																																																											
<b>E11. Agro-processing equipment/machines</b> 11.1 Which of the following agro-processing equipment/machines are available (rented or owned) in your village tract/ward?																																																											
<table border="1"> <tr> <th rowspan="2">Agro-processing equipment/machines</th> <th rowspan="2">Enter 1 –Yes 2 - No</th> <th colspan="2">If yes in col. 2</th> <th rowspan="2">Agro-processing equipment/machines</th> <th rowspan="2">Enter 1 –Yes 2 - No</th> <th colspan="2">If yes in col. 2</th> </tr> <tr> <th>Number owned</th> <th>Number rented</th> <th>Number owned</th> <th>Number rented</th> </tr> <tr> <td>(1)</td> <td>(2)</td> <td>(3a)</td> <td>(3b)</td> <td>(1)</td> <td>(2)</td> <td>(3a)</td> <td>(3b)</td> </tr> <tr> <td>1 – thresher</td> <td></td> <td></td> <td></td> <td>5 – crop dryer</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2 – rice mill</td> <td></td> <td></td> <td></td> <td>6 – feed mill</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3 – sugar mill</td> <td></td> <td></td> <td></td> <td>7 – other, specify</td> <td></td> <td></td> <td></td> </tr> <tr> <td>4 – edible oil mill</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>								Agro-processing equipment/machines	Enter 1 –Yes 2 - No	If yes in col. 2		Agro-processing equipment/machines	Enter 1 –Yes 2 - No	If yes in col. 2		Number owned	Number rented	Number owned	Number rented	(1)	(2)	(3a)	(3b)	(1)	(2)	(3a)	(3b)	1 – thresher				5 – crop dryer				2 – rice mill				6 – feed mill				3 – sugar mill				7 – other, specify				4 – edible oil mill							
Agro-processing equipment/machines	Enter 1 –Yes 2 - No	If yes in col. 2		Agro-processing equipment/machines	Enter 1 –Yes 2 - No	If yes in col. 2																																																					
		Number owned	Number rented			Number owned	Number rented																																																				
(1)	(2)	(3a)	(3b)	(1)	(2)	(3a)	(3b)																																																				
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2 – rice mill				6 – feed mill																																																							
3 – sugar mill				7 – other, specify																																																							
4 – edible oil mill																																																											

E12. Available School					
12.1 Which of the following type of school is existing in your village tract/ward?					
Type of school	Enter 1 –Yes 2 - No	If yes in col. 2 Number of school	Type of school	Enter 1 –Yes 2 - No	If yes in col. 2 Number of school
(1)	(2)	(3)	(1)	(2)	(3)
1 – primary			4 – collage/university		
2 – middle			5 – other, specify		
3 – high school					
E13. Communication Facilities			E14. Health Facilities		
13.1 Do you have the following communication facilities in your village tract/ward? Enter the code 1 – Yes 2 – No			14.1 Do you have the following health facilities in your village tract/ward? Enter the code 1 – Yes 2 – No		
1 – Post office <input type="checkbox"/> 2 – Telegraph/auto exchange <input type="checkbox"/> 3 – Internet <input type="checkbox"/> 4 – Mobile phone/land telephone <input type="checkbox"/> 5 – Other, specify <input type="checkbox"/>			1 – Hospital <input type="checkbox"/> 2 – Clinic <input type="checkbox"/> 3 – Health Center <input type="checkbox"/> 4 – Other, Specify <input type="checkbox"/>		
E15. Water Facilities					
15.1 What are the sources of potable drinking water in your village tract/ward? Enter code(s) in box provided.					
1 – tubed/piped    4 – water pond    7 – rain 2 – well    5 – river    8 – other, specify <input type="text"/> 3 – spring    6 – creek    9 – none <input type="text"/>					
E16. Access to Roads and Markets					
16.1 Is there a nearest national road accessible to your village tract/ward? 1 – Yes 2 – No Enter the code <input type="checkbox"/>					
16.2 How far away is the nearest national road from your village tract/ward? Enter distance in miles <input type="text"/>					
16.3 Is there a public market in your village tract/ward? 1 – Yes 2 – No Enter the code <input type="checkbox"/>					
E17. Presence of Women's Organization					
17.1 Are there any women's organization/ association in your village tract/ward? 1 – Yes 2 – No <input type="checkbox"/> Enter the code			18.1 Are NGO and/ or INGO existing in your village tract/ward? Enter the code 1 – Yes 2 – No NGO <input type="checkbox"/> INGO <input type="checkbox"/>		
E19. People Residing in your Village Tract/Ward					
19.1 Total households =		19.2 Total Population =		19.3 Male =	
				19.4 Female =	
19.5 What are the different ethnicity/national races of the population in your village tract/ward? Accepts multiple responses. Enter the code(s) in the boxes provided.					
1 – Bamar    5 – Kachin 2 – Shan    6 – Chin 3 – Kayah    7 – Mon 4 – Kayin    8 – Rakhine 9 – Other, specify					
<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>					
19.6 What are the different religions of the people in your village tract/ward? Accepts multiple entries. Enter code(s) in the boxes provided.					
1 – Buddhist    3 – Christian 2 – Hindi    4 – Muslim 5 – Other, specify					
<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>					

Thank you very much for your cooperation.

## **ANNEX II**

# **Statistical tables**

## **Household-based statistical tables**

### **Crop holdings/sub-holdings and parcel characteristics**



Table A-01. Number and Area of Household Crop Holdings and Number of Parcels during the past 12 months, by Size of the Area of Crop Holdings, by Region/State, RoUM: 2010

Region/State	Size of the Area of the Crop Holdings							
	Less than 1 acre	1 acre and under 3 acres	3 acres and under 5 acres	5 acres and under 10 acres	10 acres and under 20 acres	20 acres and under 50 acres	50 acres and over	Total
Union of Myanmar								
Number of Crop Holdings	247,584	1,345,024	1,102,363	1,336,222	727,458	212,231	15,789	4,986,672
Area of the Crop Holdings (acre)	111,711.05	2,338,996.04	3,959,043.18	8,805,156.43	9,488,066.19	5,750,299.39	1,161,824.83	31,615,097.56
Number of Parcels	257,471	1,588,600	1,580,935	2,209,899	1,405,431	474,006	35,245	7,561,585
Kachin								
Number of Crop Holdings	2,478	38,958	38,144	42,774	18,701	2,877	191	144,123
Area of the Crop Holdings (acre)	1,063.02	69,458.46	134,920.14	279,466.52	249,682.51	71,363.23	11,414.89	817,368.92
Number of Parcels	2,478	41,039	45,150	57,880	27,638	5,591	415	180,188
Kayah								
Number of Crop Holdings	1,528	11,596	10,285	7,820	916	61	2	32,208
Area of the Crop Holdings (acre)	735.12	20,765.57	36,813.41	48,238.45	10,931.58	1,430.09	116.00	119,030.12
Number of Parcels	1,542	13,239	15,956	15,577	2,301	182	7	48,805
Kayin								
Number of Crop Holdings	1,645	19,152	16,524	12,809	3,101	415	54	53,702
Area of the Crop Holdings (acre)	763.95	34,915.37	59,420.43	79,883.07	38,145.18	10,689.05	3,899.14	227,696.39
Number of Parcels	1,645	19,530	17,581	15,219	4,447	813	90	59,337
Chin								
Number of Crop Holdings	5,181	59,100	25,754	4,375	286	17	*	94,714
Area of the Crop Holdings (acre)	2,558.36	95,840.21	87,244.64	25,159.43	3,777.63	581.87	60.00	215,222.30
Number of Parcels	5,198	69,152	36,498	7,539	536	66	3	118,994
Sagaing								
Number of Crop Holdings	14,310	136,481	150,443	232,894	153,917	54,783	5,339	748,168
Area of the Crop Holdings (acre)	7,653.65	252,127.41	558,960.02	1,586,379.61	2,080,749.84	1,526,920.84	356,008.73	6,368,800.82
Number of Parcels	14,987	161,856	217,926	429,150	372,506	158,776	13,354	1,368,555
Tanintharyi								
Number of Crop Holdings	11,196	33,425	24,347	30,114	12,651	3,661	433	115,828
Area of the Crop Holdings (acre)	3,937.56	56,928.30	86,254.51	193,112.79	156,970.45	98,333.23	54,402.53	649,939.83
Number of Parcels	11,351	36,291	28,933	42,490	21,667	7,261	885	148,881
Bago East								
Number of Crop Holdings	1,532	32,130	42,635	85,987	54,367	15,627	1,412	233,668
Area of the Crop Holdings (acre)	839.90	57,550.31	153,472.82	566,128.80	688,579.64	418,894.47	113,910.88	1,974,888.88
Number of Parcels	1,532	32,536	45,439	96,553	67,560	21,526	2,121	267,288
Bago West								
Number of Crop Holdings	13,702	61,023	62,075	94,721	41,848	6,626	85	280,082
Area of the Crop Holdings (acre)	5,721.23	107,246.88	225,674.69	630,215.95	528,523.02	164,363.36	5,789.97	1,667,535.28
Number of Parcels	13,732	64,971	72,910	117,457	59,195	11,219	204	339,688
Magway								
Number of Crop Holdings	32,131	166,202	138,135	163,083	76,307	14,826	294	590,978
Area of the Crop Holdings (acre)	15,649.26	301,054.79	502,695.58	1,074,158.61	997,161.34	381,394.10	17,377.97	3,289,491.77
Number of Parcels	36,299	227,050	238,251	340,710	200,568	47,156	1,135	1,091,169
Mandalay								
Number of Crop Holdings	31,440	228,375	177,958	197,477	78,575	14,105	299	728,228
Area of the Crop Holdings (acre)	15,745.60	385,842.62	623,826.95	1,248,298.76	974,031.94	345,405.59	22,846.53	3,615,997.58
Number of Parcels	32,046	262,033	263,538	381,637	200,260	43,266	960	1,183,741
Mon								
Number of Crop Holdings	7,926	22,070	26,145	45,929	48,308	21,714	963	173,054
Area of the Crop Holdings (acre)	2,956.28	38,202.69	93,254.90	304,929.72	635,474.38	581,716.87	74,659.74	1,741,195.42
Number of Parcels	8,003	23,032	28,646	59,397	69,531	36,199	1,944	226,750
Rakhine								
Number of Crop Holdings	24,896	95,643	83,511	64,155	16,988	4,194	664	289,850
Area of the Crop Holdings (acre)	12,563.67	169,669.39	299,677.83	406,627.54	221,296.24	114,394.53	46,487.05	1,270,716.62
Number of Parcels	25,715	114,673	114,087	105,733	35,609	9,899	1,862	407,578
Yangon								
Number of Crop Holdings	11,935	26,649	24,388	61,220	61,154	19,448	1,222	206,015
Area of the Crop Holdings (acre)	4,977.35	44,010.61	89,071.58	419,911.00	787,342.31	534,710.10	82,855.71	1,962,878.66
Number of Parcels	12,375	29,251	25,712	64,909	67,392	25,736	2,396	227,771
Shan South								
Number of Crop Holdings	14,507	110,745	63,727	37,887	8,243	1,668	58	236,835
Area of the Crop Holdings (acre)	7,060.58	182,619.56	221,023.08	231,863.22	101,199.30	42,429.40	4,192.99	790,388.12
Number of Parcels	15,128	148,950	124,630	90,871	26,143	6,504	284	412,512
Shan North								
Number of Crop Holdings	7,835	134,646	82,089	51,692	10,191	1,314	51	287,819
Area of the Crop Holdings (acre)	3,895.34	228,007.32	282,839.75	317,438.02	123,381.56	32,678.43	4,486.73	992,727.37
Number of Parcels	7,984	161,929	135,163	106,074	24,806	4,403	152	440,512
Shan East								
Number of Crop Holdings	2,543	33,224	15,194	7,525	1,114	176	51	59,828
Area of the Crop Holdings (acre)	1,431.22	57,193.91	54,603.33	46,791.55	14,466.18	5,504.34	8,135.97	188,126.63
Number of Parcels	2,630	41,996	23,283	14,563	3,121	451	131	86,174
Ayeyarwady								
Number of Crop Holdings	62,999	135,603	121,009	195,782	140,792	50,720	4,670	711,575
Area of the Crop Holdings (acre)	24,158.95	237,562.67	449,289.74	1,346,573.38	1,876,353.13	1,409,689.88	355,180.00	5,696,807.45
Number of Parcels	64,824	151,071	147,221	264,138	222,152	94,955	9,302	953,665

Source: MCA 2010 Supplementary Module, SLRD

Table A-02. Number and Area of Parcel Used by the Crop Holdings during the past 12 months, by Region/State, RoUM: 2010

Region/State	All Crop Holdings		
	Number of Parcels	Area of Parcels (acre)	Average Area per Parcel (acre)
Union of Myanmar	7,561,585	31,615,097.11	4.18
Kachin	180,188	817,368.76	4.54
Kayah	48,805	119,030.21	2.44
Kayin	59,337	227,696.18	3.84
Chin	118,994	215,222.16	1.81
Sagaing	1,368,555	6,368,800.10	4.65
Tanintharyi	148,881	649,939.38	4.37
Bago East	267,268	1,999,176.65	7.48
Bago West	339,688	1,667,535.09	4.91
Magway	1,091,169	3,289,491.65	3.01
Mandalay	1,183,741	3,615,997.98	3.05
Mon	226,750	1,741,194.58	7.68
Rakhine	407,578	1,270,716.25	3.12
Yangon	227,771	1,962,878.63	8.62
Shan South	412,512	790,388.13	1.92
Shan North	440,512	992,727.13	2.25
Shan East	86,174	188,126.50	2.18
Ayeyarwady	953,665	5,698,807.73	5.98

Source: MCA 2010 Supplementary Module, SLRD

Table A-03. Number and Area of Parcel Used by the Households in Crop Cultivation during the past 12 months, by Size of the Area of the Parcel, by Region/State, RoUM: 2010

Region/State	Size of the Area of the Parcels							Total
	Less than 1 acre	1 acre and under 3 acres	3 acres and under 5 acres	5 acres and under 10 acres	10 acres and under 20 acres	20 acres and under 50 acres	50 acres and over	
Union of Myanmar								
Number of Parcels	644,443	3,122,716	1,671,338	1,444,152	545,864	123,659	9,413	7,561,585
Area of Parcels (acre)	311,515.52	5,211,993.61	5,932,141.48	9,297,539.57	6,878,657.23	3,290,037.37	693,212.32	31,615,097.11
Kachin								
Number of Parcels	5,108	64,454	49,594	43,247	16,024	1,705	57	180,188
Area of Parcels (acre)	2,408.83	109,942.44	173,196.46	276,688.41	208,815.82	42,467.78	3,849.02	817,368.76
Kayah								
Number of Parcels	2,981	28,975	13,572	3,072	194	11	*	48,805
Area of Parcels (acre)	1,522.99	50,624.40	46,837.20	17,628.83	2,136.28	230.50	50.00	119,030.21
Kayin								
Number of Parcels	2,236	22,962	18,372	12,628	2,690	201	47	59,337
Area of Parcels (acre)	1,025.53	41,358.74	65,717.22	79,076.69	32,004.65	5,256.32	3,257.02	227,696.18
Chin								
Number of Parcels	14,499	81,015	20,797	2,467	211	3	-	118,994
Area of Parcels (acre)	7,390.84	121,882.47	69,065.98	13,955.33	2,854.89	72.65	-	215,222.16
Sagaing								
Number of Parcels	70,122	494,061	356,346	323,442	98,709	23,206	2,668	1,368,555
Area of Parcels (acre)	40,277.08	886,170.48	1,300,951.08	2,097,946.12	1,242,782.33	623,141.27	177,531.75	6,368,800.10
Tanintharyi								
Number of Parcels	19,001	49,391	34,716	32,547	10,275	2,619	332	148,881
Area of Parcels (acre)	6,558.52	83,992.60	121,952.05	202,021.14	122,662.99	68,443.56	44,308.51	649,939.38
Bago East								
Number of Parcels	2,271	46,941	55,148	96,524	52,006	13,189	1,189	267,268
Area of Parcels (acre)	1,276.53	83,845.96	197,698.02	628,295.17	647,941.03	347,750.02	92,369.93	1,999,176.65
Bago West								
Number of Parcels	18,287	103,100	78,334	99,801	35,947	4,179	40	339,688
Area of Parcels (acre)	8,505.90	178,045.69	282,829.34	653,303.53	439,911.05	102,291.42	2,648.17	1,667,535.09
Magway								
Number of Parcels	134,171	519,128	240,715	162,327	32,141	2,668	19	1,091,169
Area of Parcels (acre)	67,992.09	878,912.31	856,407.27	1,027,196.90	390,073.98	67,596.30	1,322.80	3,289,491.65
Mandalay								
Number of Parcels	78,763	588,588	301,925	178,344	32,940	3,094	87	1,183,741
Area of Parcels (acre)	42,023.66	978,948.40	1,039,686.05	1,082,209.77	390,140.45	73,819.08	9,170.56	3,615,997.98
Mon								
Number of Parcels	11,380	40,041	45,192	64,062	49,882	15,467	725	226,750
Area of Parcels (acre)	4,529.76	69,764.84	160,574.47	414,256.34	634,509.73	409,704.67	47,854.76	1,741,194.58
Rakhine								
Number of Parcels	60,700	173,004	102,580	57,347	11,149	2,564	232	407,578
Area of Parcels (acre)	31,263.89	293,635.34	361,850.88	357,268.14	142,609.85	67,658.08	16,430.07	1,270,716.25
Yangon								
Number of Parcels	18,125	31,013	28,430	67,637	64,110	17,778	677	227,771
Area of Parcels (acre)	7,269.89	51,583.10	103,527.90	461,967.93	820,194.85	474,834.14	43,500.81	1,962,878.63
Shan South								
Number of Parcels	44,287	289,781	54,937	20,470	2,746	274	18	412,512
Area of Parcels (acre)	21,816.69	424,615.14	184,347.58	120,157.65	31,335.61	6,894.36	1,221.09	790,388.13
Shan North								
Number of Parcels	21,531	303,447	81,926	29,052	4,197	342	17	440,512
Area of Parcels (acre)	10,926.06	476,857.68	274,765.33	171,051.45	48,381.37	8,433.24	2,312.00	992,727.13
Shan East								
Number of Parcels	13,979	52,127	14,556	4,728	615	124	46	86,174
Area of Parcels (acre)	6,953.35	84,306.10	50,634.69	27,745.11	7,231.69	4,176.33	7,079.22	188,126.50
Ayeyarwady								
Number of Parcels	127,004	234,691	174,195	246,255	132,027	36,235	3,258	953,665
Area of Parcels (acre)	49,773.93	397,507.94	642,099.93	1,666,771.04	1,715,070.63	987,277.65	240,306.61	5,698,807.73

Source: MCA 2010 Supplementary Module, SLRD

Table A-04. Number and Area of Parcels Used by the Household Crop Holdings during the past 12 months, by Land Type of the Parcel, by Region/State, RoUM: 2010

Region/State	Type of Land of the Parcel							Total
	Paddy	YA	Kaing	Garden	Dhani	Rubber	Other Land Type	
Union of Myanmar								
Number of Parcels	3,736,992	2,531,264	498,884	467,690	21,984	86,663	218,108	7,561,585
Area of Parcels (acre)	18,312,891.89	9,231,972.37	1,361,087.13	1,247,496.88	37,013.95	612,675.38	811,959.51	31,615,097.11
Kachin								
Number of Parcels	124,033	21,843	12,918	11,799	-	731	8,864	180,188
Area of Parcels (acre)	602,266.12	75,069.67	76,386.65	36,121.41	-	4,813.77	22,711.15	817,368.76
Kayah								
Number of Parcels	22,249	24,573	-	4	-	-	1,979	48,805
Area of Parcels (acre)	57,370.56	57,718.39	-	4.50	-	-	3,936.76	119,030.21
Kayin								
Number of Parcels	47,873	57	1,883	5,831	33	1,639	2,019	59,337
Area of Parcels (acre)	187,958.50	175.27	3,510.18	12,326.26	131.61	12,684.32	10,910.04	227,696.18
Chin								
Number of Parcels	17,064	4,696	2,878	6,032	-	-	88,324	118,994
Area of Parcels (acre)	29,106.74	9,654.17	4,979.53	8,737.35	-	-	162,744.38	215,222.16
Sagaing								
Number of Parcels	612,703	639,784	96,859	6,722	-	73	12,414	1,368,555
Area of Parcels (acre)	2,506,436.43	3,397,482.06	326,163.67	12,402.85	-	1,472.18	124,842.91	6,368,800.10
Tanintharyi								
Number of Parcels	49,423	275	33	80,202	1,755	14,924	2,268	148,881
Area of Parcels (acre)	214,507.25	1,098.89	83.09	304,692.70	4,904.77	112,748.11	11,904.57	649,939.38
Bago East								
Number of Parcels	238,061	14,360	7,798	3,990	-	717	2,341	267,268
Area of Parcels (acre)	1,848,839.10	77,333.52	30,415.10	19,350.15	-	10,798.30	12,440.48	1,999,176.65
Bago West								
Number of Parcels	264,568	39,783	27,668	2,640	-	-	5,030	339,688
Area of Parcels (acre)	1,415,482.30	124,050.03	100,939.62	2,746.80	-	-	24,316.34	1,667,535.09
Magway								
Number of Parcels	330,863	619,886	136,404	326	-	15	3,675	1,091,169
Area of Parcels (acre)	795,511.74	2,279,362.72	192,903.80	381.87	-	8.50	21,323.03	3,289,491.65
Mandalay								
Number of Parcels	431,448	654,572	73,018	13,328	-	*	11,374	1,183,741
Area of Parcels (acre)	1,266,576.07	2,124,334.87	179,568.61	32,065.61	-	20.00	13,432.82	3,615,997.98
Mon								
Number of Parcels	117,831	151	3,003	42,049	1,238	58,694	3,782	226,750
Area of Parcels (acre)	1,082,109.81	926.68	10,784.58	183,542.73	3,634.63	433,014.87	27,181.26	1,741,194.58
Rakhine								
Number of Parcels	367,952	3,454	5,313	22,318	5,581	813	2,147	407,578
Area of Parcels (acre)	1,184,950.51	4,284.82	7,138.51	58,348.76	5,715.67	5,447.28	4,830.71	1,270,716.25
Yangon								
Number of Parcels	189,430	419	2,643	27,574	235	436	7,034	227,771
Area of Parcels (acre)	1,854,971.02	2,082.70	8,019.27	79,388.94	774.39	1,461.71	16,180.60	1,962,878.63
Shan South								
Number of Parcels	89,049	246,900	7,058	65,824	-	-	3,682	412,512
Area of Parcels (acre)	186,165.64	490,732.28	7,644.26	102,403.61	-	-	3,442.34	790,388.13
Shan North								
Number of Parcels	111,804	237,206	3,300	62,349	-	2,499	23,354	440,512
Area of Parcels (acre)	258,250.48	538,944.39	8,093.12	141,419.13	-	8,052.95	37,967.06	992,727.13
Shan East								
Number of Parcels	54,500	17,076	136	2,895	-	6,065	5,503	86,174
Area of Parcels (acre)	120,918.47	27,204.00	641.56	7,889.00	-	21,758.42	9,715.04	188,126.50
Ayeyarwady								
Number of Parcels	668,141	6,230	117,970	113,806	13,142	57	34,319	953,665
Area of Parcels (acre)	4,701,471.17	21,517.91	403,815.57	245,675.22	21,852.89	394.96	304,080.02	5,698,807.73

Source: MCA 2010 Supplementary Module, SLRD



Table A-05. Number and Area of Parcels under Shifting Cultivation and Used by the Household Crop Holdings during the past 12 months, by Land Type of the Parcel, by Region/State, RoUM: 2010

Region/State	Type of Land of the Parcel						Total
	Paddy	YA	Kaing	Garden	Rubber	Other Land Type	
Union of Myanmar							
Number of Parcels	19,975	60,636	2,662	4,463	332	96,436	184,505
Area of Parcels (acre)	72,788.19	132,502.36	6,823.03	10,326.47	2,119.22	203,709.97	428,269.23
Kachin							
Number of Parcels	1,343	1,987	199	894	15	4,353	8,790
Area of Parcels (acre)	4,269.96	3,905.30	745.80	1,661.58	22.23	11,376.58	21,981.44
Kayah							
Number of Parcels	296	2,870	-	-	-	1,089	4,255
Area of Parcels (acre)	776.83	7,448.31	-	-	-	3,500.29	11,725.43
Kayin							
Number of Parcels	55	*	37	104	-	17	213
Area of Parcels (acre)	374.75	2.00	27.07	164.23	-	85.67	653.72
Chin							
Number of Parcels	1,258	3,098	187	785	-	59,296	64,626
Area of Parcels (acre)	1,789.38	6,777.75	432.45	1,055.40	-	114,798.51	124,853.49
Sagaing							
Number of Parcels	2,221	2,363	303	30	-	3,513	8,432
Area of Parcels (acre)	8,491.88	9,604.73	1,173.50	122.18	-	7,075.40	26,467.69
Tanintharyi							
Number of Parcels	94	134	15	707	16	820	1,785
Area of Parcels (acre)	282.59	237.84	36.90	3,690.98	173.65	1,518.77	5,940.73
Bago East							
Number of Parcels	289	490	18	-	-	193	990
Area of Parcels (acre)	2,578.81	1,484.72	58.17	-	-	1,460.44	5,580.13
Bago West							
Number of Parcels	262	311	15	*	-	3	592
Area of Parcels (acre)	952.79	1,159.22	36.60	1.25	-	18.00	2,167.86
Magway							
Number of Parcels	3,008	6,628	636	18	15	1,899	12,404
Area of Parcels (acre)	12,797.31	22,093.25	918.28	15.58	8.50	19,975.97	55,808.90
Mandalay							
Number of Parcels	2,891	3,779	248	*	-	995	7,911
Area of Parcels (acre)	7,939.68	9,385.95	641.84	1.00	-	1,031.80	19,000.27
Mon							
Number of Parcels	130	2	15	147	188	14	496
Area of Parcels (acre)	1,160.51	102.49	117.11	910.97	1,475.16	54.00	3,820.24
Rakhine							
Number of Parcels	740	764	31	48	43	1,160	2,787
Area of Parcels (acre)	2,127.86	1,279.97	43.60	105.25	44.54	2,591.10	6,192.32
Yangon							
Number of Parcels	379	61	-	118	-	77	636
Area of Parcels (acre)	4,100.27	386.19	-	129.27	-	47.50	4,663.22
Shan South							
Number of Parcels	749	6,630	31	357	-	33	7,799
Area of Parcels (acre)	1,465.49	11,746.06	19.45	529.24	-	55.78	13,816.02
Shan North							
Number of Parcels	2,642	25,760	112	539	*	19,516	48,572
Area of Parcels (acre)	5,223.27	48,107.16	160.07	892.30	1.00	32,936.84	87,320.63
Shan East							
Number of Parcels	1,063	5,377	4	208	21	3,231	9,904
Area of Parcels (acre)	1,949.79	7,077.43	4.60	296.87	230.51	6,516.27	16,075.46
Ayeyarwady							
Number of Parcels	2,554	181	813	506	33	226	4,313
Area of Parcels (acre)	16,507.03	1,704.00	2,409.59	750.37	163.62	667.06	22,201.67

Source: MCA 2010 Supplementary Module, SLRD

Table A-06. Number and Area of Parcels Used by the Household Crop Holdings during the past 12 months, by Main Land Use of the Parcel, by Region/State, RoUM: 2010

Region/State	Main Land Use of the Parcel							Total
	Annual Crops	Permanent Crops	Combined Annual and Permanent Crops	Fallow	Livestock/Poultry	Aquaculture	Other Land Use	
Union of Myanmar								
Number of Parcels	6,752,553	640,886	86,852	9,064	598	353	71,297	7,561,583
Area of Parcels (acre)	29,005,078.99	2,014,046.99	393,247.18	23,896.60	1,171.74	1,615.66	176,039.95	31,615,097.11
Kachin								
Number of Parcels	165,142	12,971	441	48	-	-	1,585	180,187
Area of Parcels (acre)	767,983.70	43,810.16	1,045.49	165.69	-	-	4,363.72	817,368.76
Kayah								
Number of Parcels	48,716	21	3	14	-	-	50	48,804
Area of Parcels (acre)	118,900.78	40.47	3.80	43.29	-	-	41.87	119,030.21
Kayin								
Number of Parcels	51,763	6,848	27	-	*	-	697	59,336
Area of Parcels (acre)	198,273.88	28,322.52	83.62	-	3.00	-	1,013.16	227,696.18
Chin								
Number of Parcels	111,977	4,700	667	31	-	-	1,619	118,994
Area of Parcels (acre)	204,821.48	7,077.43	1,144.66	56.03	-	-	2,122.55	215,222.16
Sagaing								
Number of Parcels	1,327,174	20,098	4,395	4,026	-	-	12,863	1,368,556
Area of Parcels (acre)	6,203,225.18	69,246.58	26,374.00	13,874.58	-	-	56,079.75	6,368,800.10
Tanintharyi								
Number of Parcels	50,591	94,697	506	17	15	-	3,055	148,881
Area of Parcels (acre)	216,852.71	423,652.43	2,239.37	78.71	2.93	-	7,113.23	649,939.38
Bago East								
Number of Parcels	261,391	5,417	161	-	-	-	299	267,268
Area of Parcels (acre)	1,962,200.26	33,944.61	1,354.06	-	-	-	1,677.73	1,999,176.65
Bago West								
Number of Parcels	337,040	1,931	348	4	17	136	213	339,689
Area of Parcels (acre)	1,662,303.44	1,764.27	2,116.22	15.00	51.95	923.47	360.74	1,667,535.09
Magway								
Number of Parcels	1,053,698	2,699	26,791	62	-	-	7,718	1,091,168
Area of Parcels (acre)	3,150,160.59	6,038.79	119,973.01	154.45	-	-	13,164.81	3,289,491.65
Mandalay								
Number of Parcels	1,113,418	21,800	41,806	2,183	27	-	4,506	1,183,740
Area of Parcels (acre)	3,362,211.60	50,910.71	186,094.68	4,678.30	26.15	-	12,076.54	3,615,997.98
Mon								
Number of Parcels	121,762	98,380	502	36	-	-	6,070	226,750
Area of Parcels (acre)	1,091,983.22	623,684.39	3,006.72	112.83	-	-	22,407.41	1,741,194.58
Rakhine								
Number of Parcels	375,674	27,374	1,335	282	505	198	2,210	407,578
Area of Parcels (acre)	1,194,750.62	66,706.42	2,785.12	601.93	1,040.90	559.02	4,272.24	1,270,716.25
Yangon								
Number of Parcels	191,993	33,704	403	91	*	-	1,579	227,771
Area of Parcels (acre)	1,868,551.69	87,269.89	1,151.83	49.38	12.00	-	5,843.84	1,962,878.63
Shan South								
Number of Parcels	337,392	67,892	2,388	1,773	-	-	3,067	412,512
Area of Parcels (acre)	671,830.00	107,148.36	4,069.68	2,736.66	-	-	4,603.44	790,388.13
Shan North								
Number of Parcels	373,930	62,595	979	135	15	-	2,857	440,511
Area of Parcels (acre)	839,983.77	145,786.90	1,419.87	323.80	30.22	-	5,182.58	992,727.13
Shan East								
Number of Parcels	75,988	8,636	182	189	-	*	1,178	86,174
Area of Parcels (acre)	155,285.61	27,902.14	846.10	572.75	-	2.00	3,517.90	188,126.50
Ayeyarwady								
Number of Parcels	754,704	171,103	5,918	173	17	18	21,731	953,664
Area of Parcels (acre)	5,335,760.46	290,740.92	39,538.95	433.20	4.59	131.17	32,198.44	5,698,807.73

Source: MCA 2010 Supplementary Module, SLRD

**Table A-07. Number and Area of Parcels Used by the Household Crop Holdings during the past 12 months, by Land Tenure, by Region/State, RoUM: 2010**

Region/State	Land Tenure of the Parcel			
	Owner-like	Trespassed	Other land tenure	Total
Union of Myanmar				
Number of Parcels	7,371,403	148,044	42,139	7,561,585
Area of Parcels (acre)	30,555,535.52	928,621.70	130,939.89	31,615,097.11
Kachin				
Number of Parcels	174,508	2,951	2,729	180,188
Area of Parcels (acre)	794,829.93	12,555.53	9,983.29	817,368.76
Kayah				
Number of Parcels	47,554	1,044	207	48,805
Area of Parcels (acre)	115,535.28	3,051.05	443.88	119,030.21
Kayin				
Number of Parcels	56,228	332	2,777	59,337
Area of Parcels (acre)	215,297.43	1,394.22	11,004.53	227,696.18
Chin				
Number of Parcels	116,246	1,333	1,415	118,994
Area of Parcels (acre)	210,056.88	3,640.05	1,525.23	215,222.16
Sagaing				
Number of Parcels	1,340,603	24,935	3,016	1,368,555
Area of Parcels (acre)	6,041,318.59	314,656.55	12,824.95	6,368,800.10
Tanintharyi				
Number of Parcels	143,474	5,126	281	148,881
Area of Parcels (acre)	629,528.19	19,024.11	1,387.07	649,939.38
Bago East				
Number of Parcels	263,923	2,725	620	267,268
Area of Parcels (acre)	1,980,578.04	15,353.12	3,245.48	1,999,176.65
Bago West				
Number of Parcels	333,352	6,037	299	339,688
Area of Parcels (acre)	1,639,573.71	26,768.60	1,192.78	1,667,535.09
Magway				
Number of Parcels	1,070,418	19,344	1,407	1,091,169
Area of Parcels (acre)	3,216,072.24	68,776.29	4,643.12	3,289,491.65
Mandalay				
Number of Parcels	1,164,636	15,232	3,873	1,183,741
Area of Parcels (acre)	3,572,731.46	33,276.91	9,989.62	3,615,997.98
Mon				
Number of Parcels	217,236	6,575	2,939	226,750
Area of Parcels (acre)	1,671,553.62	51,668.56	17,972.39	1,741,194.58
Rakhine				
Number of Parcels	398,787	3,322	5,469	407,578
Area of Parcels (acre)	1,254,981.47	9,622.34	6,112.45	1,270,716.25
Yangon				
Number of Parcels	221,922	3,082	2,767	227,771
Area of Parcels (acre)	1,932,353.40	16,663.99	13,861.23	1,962,878.63
Shan South				
Number of Parcels	390,272	20,872	1,369	412,512
Area of Parcels (acre)	758,469.36	29,122.78	2,795.98	790,388.13
Shan North				
Number of Parcels	434,499	2,818	3,194	440,512
Area of Parcels (acre)	979,128.76	6,557.32	7,041.06	992,727.13
Shan East				
Number of Parcels	80,942	2,566	2,666	86,174
Area of Parcels (acre)	175,066.47	6,995.93	6,064.11	188,126.50
Ayeyarwady				
Number of Parcels	916,805	29,750	7,109	953,665
Area of Parcels (acre)	5,368,460.68	309,494.34	20,852.73	5,698,807.73

Source: MCA 2010 Supplementary Module, SLRD

Table A-08. Number and Actual Area of All Parcels in the Household Crop Holding and Area Irrigated of these Parcels during the past 12 months, by Region/State, RoUM: 2010

Region/State	All Parcels of Crop Holdings		
	Number	Physical Area (acre)	Area Irrigated (acre)
Union of Myanmar	7,561,685	31,615,097.11	5,772,901.48
Kachin	180,188	817,368.76	283,084.11
Kayah	46,805	119,030.21	56,938.64
Kayin	59,337	227,696.18	7,910.33
Chin	118,994	215,222.16	25,881.35
Sagaing	1,368,555	6,368,800.10	1,371,295.33
Tanintharyi	148,881	649,939.38	4,999.92
Bago East	267,268	1,999,176.65	149,129.25
Bago West	339,688	1,667,535.09	89,140.25
Magway	1,091,169	3,289,491.65	539,147.58
Mandalay	1,183,741	3,615,997.98	907,941.82
Mon	226,750	1,741,194.58	56,776.10
Rakhine	407,578	1,270,716.25	18,278.32
Yangon	227,771	1,962,878.63	165,762.48
Shan South	412,512	790,388.13	192,016.51
Shan North	440,512	992,727.13	242,547.64
Shan East	86,174	188,126.50	116,572.38
Ayeyarwady	953,665	5,698,807.73	1,545,479.44

Source: MCA 2010 Supplementary Module, SLRD

Table A-09. Number and Area Irrigated of Parcels Used by the Households in Crop Cultivation during the past 12 months, by Size of the Area Irrigated of the Parcel, by Region/State, RoUM: 2010

Region/State	Size of the Irrigated Area of the Parcels							
	Less than 1 acre	1 acre and under 3 acres	3 acres and under 5 acres	5 acres and under 10 acres	10 acres and under 20 acres	20 acres and under 50 acres	50 acres and over	Total
Union of Myanmar								
Number of Irrigated Parcels	209,699	736,017	364,601	270,051	84,516	13,387	478	1,678,749
Area of Irrigated Parcels (acre)	95,660	1,217,739.77	1,294,255.39	1,728,221.58	1,060,488.01	339,690.23	36,646.49	5,772,901.48
Kachin								
Number of Irrigated Parcels	728	19,356	14,350	15,967	6,127	639	14	57,181
Area of Irrigated Parcels (acre)	401	33,884.70	50,366.66	105,373.20	76,222.92	15,927.17	908.27	283,084.11
Kayah								
Number of Irrigated Parcels	483	14,011	6,341	1,578	71	*	-	22,485
Area of Irrigated Parcels (acre)	273	24,885.15	21,875.56	9,143.71	736.46	24.50	-	56,938.64
Kayin								
Number of Irrigated Parcels	961	1,749	659	253	59	3	*	3,686
Area of Irrigated Parcels (acre)	382	2,727.94	2,264.05	1,633.13	745.74	72.00	85.00	7,910.33
Chin								
Number of Irrigated Parcels	4,527	9,639	1,202	402	159	2	-	15,932
Area of Irrigated Parcels (acre)	2,577	14,237.52	4,127.73	2,682.81	2,205.50	50.50	-	25,881.35
Sagaing								
Number of Irrigated Parcels	18,673	127,342	91,690	77,149	18,863	2,021	11	335,749
Area of Irrigated Parcels (acre)	10,717	231,723.96	337,668.19	503,039.85	237,631.59	49,697.30	817.80	1,371,295.33
Tanintharyi								
Number of Irrigated Parcels	775	760	454	234	26	4	*	2,254
Area of Irrigated Parcels (acre)	186	1,269.71	1,615.32	1,362.97	382.92	88.08	95.00	4,999.92
Bago East								
Number of Irrigated Parcels	162	4,326	5,118	7,308	3,673	790	85	21,462
Area of Irrigated Parcels (acre)	86	7,854.83	18,310.23	47,511.71	45,205.91	20,807.24	9,353.48	149,129.25
Bago West								
Number of Irrigated Parcels	1,300	8,252	6,472	5,266	1,227	85	*	22,603
Area of Irrigated Parcels (acre)	630	14,841.42	23,792.14	32,682.83	15,084.64	2,024.71	85.00	89,140.25
Magway								
Number of Irrigated Parcels	49,718	116,546	41,841	20,135	3,373	391	*	232,005
Area of Irrigated Parcels (acre)	25,081	190,199.69	147,557.78	126,259.76	40,835.24	9,164.28	50.00	539,147.58
Mandalay								
Number of Irrigated Parcels	30,428	170,871	77,494	41,995	6,829	654	12	328,284
Area of Irrigated Parcels (acre)	15,200	277,156.42	265,642.81	252,899.17	80,766.34	15,363.04	914.00	907,941.82
Mon								
Number of Irrigated Parcels	5,109	5,904	2,433	2,907	1,103	252	-	17,708
Area of Irrigated Parcels (acre)	2,098	8,584.73	8,429.17	18,201.68	13,202.85	6,259.84	-	56,776.10
Rakhine								
Number of Irrigated Parcels	8,164	8,801	632	112	20	*	-	17,730
Area of Irrigated Parcels (acre)	3,680	11,421.80	2,157.10	688.73	300.24	30.00	-	18,278.32
Yangon								
Number of Irrigated Parcels	11,208	11,440	7,374	9,309	3,507	694	14	43,546
Area of Irrigated Parcels (acre)	4,663	17,146.74	25,840.28	58,410.23	41,669.99	17,180.91	851.35	165,762.48
Shan South								
Number of Irrigated Parcels	12,349	58,782	16,719	6,143	462	34	5	94,495
Area of Irrigated Parcels (acre)	5,792	87,098.99	56,682.43	35,885.62	5,429.81	817.29	310.52	192,016.51
Shan North								
Number of Irrigated Parcels	6,885	72,074	22,880	6,439	549	34	2	108,864
Area of Irrigated Parcels (acre)	3,741	116,118.57	77,972.90	37,397.21	6,278.47	772.68	267.00	242,547.64
Shan East								
Number of Irrigated Parcels	4,312	34,455	10,671	3,082	146	5	*	52,672
Area of Irrigated Parcels (acre)	2,524	57,039.78	37,495.61	17,683.24	1,619.76	158.28	52.18	116,572.38
Ayeyarwady								
Number of Irrigated Parcels	53,916	71,708	58,267	71,771	38,322	7,779	330	302,094
Area of Irrigated Parcels (acre)	17,630	121,547.80	212,457.44	477,365.74	492,169.62	201,452.40	22,856.89	1,545,479.44

Source: MCA 2010 Supplementary Module



**Table A-10. Number and Area Irrigated of the Parcels Used by the Household Crop Holdings during the past 12 months, by Type of Irrigation, by Region/State, RoUM: 2010**

Region/State	Type of Irrigation					Total
	Owned Well	River or Creek	Private Dam/ Canal	Government Canal	Other Types	
Union of Myanmar						
Number of Irrigated Parcels	221,483	587,231	134,580	598,213	137,227	1,678,732
Area of Irrigated Parcels (acre)	459,262.12	2,266,104.93	452,292.10	2,247,459.45	347,735.10	5,772,853.70
Kachin						
Number of Irrigated Parcels	1,450	35,995	8,563	3,121	8,052	57,180
Area of Irrigated Parcels (acre)	5,399.91	163,118.78	48,173.52	17,806.55	48,583.35	283,082.11
Kayah						
Number of Irrigated Parcels	1,404	1,855	202	16,972	2,051	22,485
Area of Irrigated Parcels (acre)	2,782.12	5,202.50	505.41	43,111.53	5,337.09	56,938.64
Kayin						
Number of Irrigated Parcels	2,149	1,283	43	-	211	3,686
Area of Irrigated Parcels (acre)	3,147.44	3,826.16	165.64	-	771.09	7,910.33
Chin						
Number of Irrigated Parcels	300	9,400	31	31	6,169	15,932
Area of Irrigated Parcels (acre)	428.82	16,461.49	167.87	60.66	8,762.51	25,881.35
Sagaing						
Number of Irrigated Parcels	55,782	41,571	39,434	167,280	31,682	335,748
Area of Irrigated Parcels (acre)	140,320.10	154,843.02	204,731.30	766,519.55	104,880.72	1,371,294.70
Tanintharyi						
Number of Irrigated Parcels	1,057	758	17	63	360	2,254
Area of Irrigated Parcels (acre)	1,391.72	2,236.09	44.43	260.75	1,066.94	4,999.92
Bago East						
Number of Irrigated Parcels	599	4,618	112	15,593	540	21,462
Area of Irrigated Parcels (acre)	3,114.42	40,511.84	572.86	102,226.01	2,704.12	149,129.25
Bago West						
Number of Irrigated Parcels	1,407	1,245	244	19,567	140	22,603
Area of Irrigated Parcels (acre)	2,565.17	5,968.13	1,696.47	78,495.86	414.62	89,140.25
Magway						
Number of Irrigated Parcels	33,480	25,850	39,414	108,611	24,648	232,005
Area of Irrigated Parcels (acre)	57,319.95	37,046.59	67,893.96	337,165.40	39,721.68	539,147.58
Mandalay						
Number of Irrigated Parcels	41,952	28,149	13,672	214,441	30,069	328,284
Area of Irrigated Parcels (acre)	82,392.99	57,974.92	37,831.25	658,273.52	71,469.12	907,941.82
Mon						
Number of Irrigated Parcels	9,218	6,298	50	1,563	578	17,708
Area of Irrigated Parcels (acre)	10,780.53	35,109.71	189.95	10,070.82	625.09	56,776.10
Rakhine						
Number of Irrigated Parcels	2,675	13,313	760	907	76	17,730
Area of Irrigated Parcels (acre)	2,337.17	13,178.95	829.27	1,625.38	307.56	18,278.32
Yangon						
Number of Irrigated Parcels	14,513	15,019	1,002	12,593	420	43,546
Area of Irrigated Parcels (acre)	16,270.51	74,350.93	598.18	73,655.58	887.28	165,762.48
Shan South						
Number of Irrigated Parcels	2,022	51,978	10,585	15,437	14,472	94,495
Area of Irrigated Parcels (acre)	4,240.08	93,635.65	30,272.70	41,181.73	22,686.35	192,016.51
Shan North						
Number of Irrigated Parcels	3,135	80,830	14,000	2,819	8,066	108,849
Area of Irrigated Parcels (acre)	5,333.52	172,164.12	39,516.87	7,980.06	17,507.91	242,502.49
Shan East						
Number of Irrigated Parcels	1,082	41,919	6,065	709	2,896	52,672
Area of Irrigated Parcels (acre)	2,226.07	86,783.69	17,496.46	1,569.24	8,496.93	116,572.38
Ayeyarwady						
Number of Irrigated Parcels	49,257	227,148	386	18,505	6,796	302,094
Area of Irrigated Parcels (acre)	119,211.59	1,303,692.35	1,605.96	107,456.81	13,512.73	1,545,479.44

Source: MCA 2010 Supplementary Module, SLRD

**Table A-11. Number, Physical Area and Area Planted to Annual Crops of the Parcels under Annual Crops or Combined Annual and Permanent Crops Reported from the Household Crop Holdings during the past 12 months, by Region/State, RoUM: 2010**

Region/State	Parcels under Annual Crops/Combined Annual/Permanent Crops		
	Number	Physical Area (acre)	Area Planted to Annual Crops (acre)
Union of Myanmar	6,839,405	29,398,326.17	47,028,289.04
Kachin	165,583	769,029.19	809,280.75
Kayah	48,719	118,904.58	130,073.55
Kayin	51,790	198,357.50	209,147.27
Chin	112,644	205,966.14	238,859.97
Sagaing	1,331,569	6,229,599.18	8,480,708.97
Tanintharyi	51,097	219,092.08	220,479.98
Bago East	261,552	1,963,554.32	4,478,215.40
Bago West	337,388	1,664,419.66	2,913,510.46
Magway	1,080,689	3,270,133.60	5,570,537.54
Mandalay	1,155,224	3,548,306.28	5,028,495.04
Mon	122,264	1,094,989.94	1,239,063.83
Rakhine	377,009	1,197,535.74	1,285,330.87
Yangon	192,396	1,869,703.52	3,672,073.91
Shan South	339,780	675,899.68	808,107.45
Shan North	374,909	841,403.64	920,662.33
Shan East	76,170	156,131.71	163,401.63
Ayeyarwady	760,622	5,375,299.41	10,860,340.09

Source: MCA 2010 Supplementary Module, SLRD

**Table A-12. Number and Area Planted to Annual Crops of Parcels under Annual Crops/Combined Annual and Permanent Crops Reported from the Household Crop Holdings during the past 12 months, by Size of the Area Planted to Annual Crop(s), by Region/State, RoUM: 2010**

Region/State	Size of the Area Planted to Annual Crop(s)							
	Less than 1 acre	1 acre and under 3 acres	3 acres and under 5 acres	5 acres and under 10 acres	10 acres and under 20 acres	20 acres and under 50 acres	50 acres and over	TOTAL
Union of Myanmar								
Number of the Parcels under Annual Crops	1,118,360	5,028,561	2,565,322	2,221,633	806,213	155,156	8,672	6,839,400
Area Planted to Annual Crops (acre)	535,675.87	8,341,486.08	9,107,048.87	14,316,831.59	10,075,134.59	4,035,789.92	616,322.14	47,028,289.05
Kachin								
Number of the Parcels under Annual Crops	10,327	66,382	50,565	43,289	15,837	1,409	28	165,583
Area Planted to Annual Crops (acre)	3,401.63	113,354.54	178,128.12	276,777.36	204,034.12	34,065.72	1,519.27	809,280.75
Kayah								
Number of the Parcels under Annual Crops	5,984	38,223	13,091	2,872	189	10	*	48,719
Area Planted to Annual Crops (acre)	2,997.64	63,767.24	44,509.25	16,459.16	2,079.77	210.50	50.00	130,073.55
Kayin								
Number of the Parcels under Annual Crops	3,777	22,360	18,433	11,901	2,016	107	9	51,790
Area Planted to Annual Crops (acre)	1,240.86	40,693.01	66,043.26	73,687.84	23,765.76	2,925.40	791.13	209,147.27
Chin								
Number of the Parcels under Annual Crops	121,329	101,520	15,030	981	160	3	-	112,644
Area Planted to Annual Crops (acre)	37,113.99	145,255.99	48,377.47	5,826.38	2,215.50	70.65	-	238,859.97
Sagaing								
Number of the Parcels under Annual Crops	138,417	852,556	547,619	442,657	118,060	22,073	1,194	1,331,569
Area Planted to Annual Crops (acre)	75,953.11	1,497,790.42	1,982,721.39	2,830,539.06	1,457,412.06	555,546.13	80,746.81	8,480,708.97
Tanintharyi								
Number of the Parcels under Annual Crops	2,364	18,529	15,727	13,181	3,145	387	15	51,097
Area Planted to Annual Crops (acre)	679.14	32,732.89	55,719.24	83,550.53	36,992.85	9,744.82	1,060.50	220,479.98
Bago East								
Number of the Parcels under Annual Crops	7,113	130,439	147,957	241,504	111,614	23,553	2,054	261,552
Area Planted to Annual Crops (acre)	3,890.03	231,636.06	529,926.59	1,596,450.65	1,375,302.79	614,860.84	156,115.44	4,478,215.40
Bago West								
Number of the Parcels under Annual Crops	34,522	184,484	141,089	175,930	61,378	6,986	63	337,388
Area Planted to Annual Crops (acre)	16,596.26	315,870.87	506,910.68	1,147,010.52	751,784.32	171,045.59	4,292.20	2,913,510.46
Magway								
Number of the Parcels under Annual Crops	260,278	1,021,112	431,760	252,497	44,802	2,905	5	1,080,689
Area Planted to Annual Crops (acre)	135,941.53	1,716,188.54	1,529,943.34	1,580,117.70	537,258.04	70,647.46	440.94	5,570,537.54
Mandalay								
Number of the Parcels under Annual Crops	219,234	1,196,309	428,253	194,575	27,579	2,179	68	1,155,224
Area Planted to Annual Crops (acre)	117,366.61	1,905,796.24	1,458,275.44	1,163,817.89	324,113.55	51,566.95	7,558.37	5,028,495.04
Mon								
Number of the Parcels under Annual Crops	9,300	24,342	32,155	43,655	33,983	12,378	608	122,264
Area Planted to Annual Crops (acre)	1,878.66	43,406.21	114,698.56	282,510.43	433,824.49	327,307.37	35,438.10	1,239,063.83
Rakhine								
Number of the Parcels under Annual Crops	103,008	190,425	102,064	56,740	10,343	2,433	221	377,008
Area Planted to Annual Crops (acre)	45,757.59	314,730.57	359,868.30	353,137.11	132,382.39	64,045.62	15,389.29	1,285,330.87
Yangon								
Number of the Parcels under Annual Crops	13,924	54,152	72,131	158,787	120,597	26,121	794	192,396
Area Planted to Annual Crops (acre)	5,058.44	96,762.46	261,254.17	1,057,942.09	1,519,210.73	682,027.72	49,818.30	3,672,073.91
Shan South								
Number of the Parcels under Annual Crops	46,898	279,307	58,286	22,812	3,146	329	19	339,774
Area Planted to Annual Crops (acre)	22,802.20	409,200.87	196,268.25	133,834.51	36,352.01	8,378.53	1,271.09	808,107.45
Shan North								
Number of the Parcels under Annual Crops	23,529	288,112	76,178	26,507	3,343	242	4	374,909
Area Planted to Annual Crops (acre)	11,755.14	450,822.67	256,475.58	156,643.29	38,640.23	6,112.43	213.00	920,662.33
Shan East								
Number of the Parcels under Annual Crops	13,549	50,870	14,405	3,791	190	10	*	76,171
Area Planted to Annual Crops (acre)	6,379.90	82,616.57	50,127.70	21,762.96	2,143.13	299.20	52.18	163,401.63
Ayeyarwady								
Number of the Parcels under Annual Crops	104,810	509,340	400,577	529,953	249,832	54,030	3,588	760,623
Area Planted to Annual Crops (acre)	46,863.16	880,857.92	1,489,781.55	3,596,744.10	3,197,622.83	1,436,905.01	261,565.52	10,860,340.09

Source: MCA 2010 Supplementary Module, SLRD

**Table A-13. Number of Parcels under Cereals for Grain and Area Planted to Cereals for Grain Reported from the Household Crop Holdings during the past 12 months, by Kind of Cereals for Grain Planted, by Region/State, RoUM: 2010**

Region/State	Kind of Cereals for Grain Planted						
	Paddy	Wheat	Flower Wheat	Millet Sorghum	Maize (Seed)	Maize (Cob)	Other Grain
Union of Myanmar							
Number of the Parcels under Cereals for Grain	4,648,643	80,729	1,067	151,386	395,410	62,309	5,449
Area Planted to Cereals for Grain (acre)	22,866,923.97	263,301.09	2,439.34	290,613.08	1,083,886.73	84,941.75	5,541.57
Kachin							
Number of the Parcels under Cereals for Grain	134,455	92	10	251	13,107	1,063	80
Area Planted to Cereals for Grain (acre)	622,891.54	28.10	40.85	60.48	65,230.47	968.39	45.50
Kayah							
Number of the Parcels under Cereals for Grain	28,061	-	-	1,933	10,939	744	-
Area Planted to Cereals for Grain (acre)	70,098.11	-	-	2,733.16	23,545.57	466.79	-
Kayin							
Number of the Parcels under Cereals for Grain	47,987	-	-	-	573	389	*
Area Planted to Cereals for Grain (acre)	187,969.92	-	-	-	3,066.33	197.14	0.25
Chin							
Number of the Parcels under Cereals for Grain	58,121	609	51	1,581	58,576	4,274	4,133
Area Planted to Cereals for Grain (acre)	102,586.70	473.53	17.17	1,928.92	82,658.08	548.54	3,180.97
Sagaing							
Number of the Parcels under Cereals for Grain	793,752	61,037	201	31,419	36,804	19,605	209
Area Planted to Cereals for Grain (acre)	3,319,552.27	220,519.58	699.78	65,902.72	198,665.84	30,411.09	609.05
Tanintharyi							
Number of the Parcels under Cereals for Grain	51,361	30	-	-	-	29	-
Area Planted to Cereals for Grain (acre)	218,816.34	165.76	-	-	-	14.64	-
Bago East							
Number of the Parcels under Cereals for Grain	273,591	4	16	-	1,369	93	-
Area Planted to Cereals for Grain (acre)	2,079,301.61	69.80	155.00	-	6,123.73	110.82	-
Bago West							
Number of the Parcels under Cereals for Grain	273,405	-	-	-	18	2,074	-
Area Planted to Cereals for Grain (acre)	1,453,893.20	-	-	-	10.75	3,617.18	-
Magway							
Number of the Parcels under Cereals for Grain	403,339	636	182	35,523	14,783	10,250	81
Area Planted to Cereals for Grain (acre)	989,437.15	1,273.34	388.57	81,218.18	39,911.12	15,511.73	184.78
Mandalay							
Number of the Parcels under Cereals for Grain	468,473	6,261	142	80,122	9,983	10,125	653
Area Planted to Cereals for Grain (acre)	1,313,466.85	15,955.25	208.16	137,602.76	21,432.48	14,706.05	1,069.10
Mon							
Number of the Parcels under Cereals for Grain	123,693	17	17	16	*	298	14
Area Planted to Cereals for Grain (acre)	1,117,846.76	18.87	72.98	3.55	1.00	314.33	13.92
Rakhine							
Number of the Parcels under Cereals for Grain	375,736	31	75	31	46	333	-
Area Planted to Cereals for Grain (acre)	1,194,737.42	39.28	79.21	94.72	17.80	165.60	-
Yangon							
Number of the Parcels under Cereals for Grain	227,492	-	-	-	73	259	*
Area Planted to Cereals for Grain (acre)	2,115,192.67	-	-	-	21.28	298.51	0.50
Shan South							
Number of the Parcels under Cereals for Grain	149,774	6,315	47	354	72,376	1,701	16
Area Planted to Cereals for Grain (acre)	290,894.64	10,247.98	70.40	674.69	204,018.71	1,939.17	15.72
Shan North							
Number of the Parcels under Cereals for Grain	201,845	5,503	174	15	151,525	76	263
Area Planted to Cereals for Grain (acre)	420,654.35	14,088.85	234.36	30.20	364,957.55	67.89	421.78
Shan East							
Number of the Parcels under Cereals for Grain	67,181	15	-	*	3,917	303	-
Area Planted to Cereals for Grain (acre)	145,292.30	19.19	-	1.30	6,603.07	587.70	-
Ayeyarwady							
Number of the Parcels under Cereals for Grain	970,378	179	151	141	21,319	10,692	-
Area Planted to Cereals for Grain (acre)	7,224,292.16	401.57	472.84	362.40	69,622.95	15,016.19	-

Source: MCA 2010 Supplementary Module, SLRD



Table A-14. Number of Parcels under Pulses and Area Planted to Pulses Reported from the Household Crop Holdings during the past 12 months, by Kind of Pulses Planted, by Region/State, RoUM: 2010

Region/State	Kind of Pulses Planted															
	Black Gram (Matje)	Green Gram (Pede-soin)	Butter Bean	Cow pea (Bocote)	Sullani	Sulapya	Soya bean	Chick pea	Pelun	Pigeon pea	Rice bean (Payin)	Duffin bean (Pebyugale)	Labiab bean (Pogyi)	Lima bean (Pegya)	Mung bean (Pensauk)	Other pulses
Union of Myanmar																
Number of the Parcels under Pulses	1,056,772	770,192	44,555	58,101	20,874	35,591	66,001	386,894	85,852	812,935	46,740	5,998	85,836	16,081	49,333	100,611
Area Planted to Pulses (acre)	5,814,437.92	3,785,559.64	112,700.04	128,061.07	35,639.01	97,970.77	151,068.76	1,125,588.28	163,431.12	2,514,678.44	75,569.19	18,707.63	233,874.96	25,394.64	138,560.19	316,238.91
Kachin																
Number of the Parcels under Pulses	68	51	65	*	-	-	2,009	15	240	-	-	-	59	*	84	3,352
Area Planted to Pulses (acre)	111.76	70.73	270.14	2.00	-	-	6,610.64	39.73	707.41	-	-	77.79	10.00	151.48	213.60	11,449.09
Kayah																
Number of the Parcels under Pulses	30	528	18	4	-	-	128	-	9	7,126	30	-	30	689	-	329
Area Planted to Pulses (acre)	52.02	908.74	35.35	0.45	-	-	153.32	-	2.57	11,914.32	15.61	-	55.50	601.77	-	174.86
Kayah																
Number of the Parcels under Pulses	278	1,831	-	158	*	-	217	-	252	2	-	68	-	44	20	228
Area Planted to Pulses (acre)	771.06	6,064.25	-	283.40	0.15	-	937.34	-	222.72	3.00	-	19.77	-	11.10	10.06	47.15
Chin																
Number of the Parcels under Pulses	1,757	98	336	100	-	32	4,115	2	8,694	719	20,934	573	741	15	61	2,482
Area Planted to Pulses (acre)	1,069.18	271.04	90.61	52.98	-	12.86	1,213.47	0.35	4,458.72	256.36	11,260.95	411.10	604.28	7.61	10.96	1,726.08
Sagaing																
Number of the Parcels under Pulses	25,446	83,731	6,283	149	6,643	32,693	8,375	141,503	3,837	191,755	2,165	731	10,095	1,626	774	41,479
Area Planted to Pulses (acre)	92,817.58	318,841.30	17,483.69	609.29	10,880.46	93,459.94	27,055.90	516,260.06	6,414.94	996,582.03	10,882.34	1,080.88	32,945.02	3,085.40	2,544.16	199,085.34
Tanintharyi																
Number of the Parcels under Pulses	235	-	-	-	-	-	-	-	2	*	-	-	-	-	-	*
Area Planted to Pulses (acre)	713.64	-	-	-	-	-	-	-	18.16	2.00	-	-	-	-	-	0.20
Bago East																
Number of the Parcels under Pulses	240,686	104,806	-	2,569	737	-	-	-	276	*	-	2,039	15	-	-	100
Area Planted to Pulses (acre)	1,476,200.92	768,327.35	-	12,101.99	2,823.21	-	-	-	7,269.46	15.00	-	12,022.84	47.56	-	-	91.94
Bago West																
Number of the Parcels under Pulses	207,677	8,537	2,065	2,918	111	60	2,461	4,310	4,449	10,959	45	61	4,986	62	968	3
Area Planted to Pulses (acre)	1,143,286.47	27,729.55	6,796.49	6,376.16	172.29	241.79	11,207.10	15,051.77	15,241.60	26,319.87	83.57	179.28	15,738.40	237.15	2,553.29	3.34
Magway																
Number of the Parcels under Pulses	20,269	179,032	16,271	425	6,805	1,403	2,458	120,913	16,702	206,728	9,574	819	37,954	5,879	27,621	27,614
Area Planted to Pulses (acre)	51,341.79	583,532.26	45,724.14	427.43	8,049.26	1,297.47	3,119.42	278,480.15	20,823.48	842,134.69	12,469.57	716.48	111,663.21	5,167.39	79,423.26	41,432.84
Mandalay																
Number of the Parcels under Pulses	50,349	151,480	17,266	750	3,703	1,061	7,871	119,202	6,334	267,487	10,627	745	23,058	7,606	19,379	9,675
Area Planted to Pulses (acre)	175,552.44	391,976.97	38,409.56	1,395.10	7,692.54	2,666.30	20,562.92	311,944.86	9,933.50	525,434.67	34,787.38	1,314.82	58,114.41	15,959.18	51,336.43	36,615.23
Mon																
Number of the Parcels under Pulses	3,208	13,171	-	260	-	15	15	-	1,694	-	16	226	-	14	-	145
Area Planted to Pulses (acre)	13,379.78	85,467.36	-	474.76	-	2.71	0.75	-	5,912.59	-	63.96	1,308.85	-	14.25	-	75.96
Rakhine																
Number of the Parcels under Pulses	6,754	863	-	12,128	31	*	168	183	15	-	*	15	216	*	-	845
Area Planted to Pulses (acre)	14,950.11	2,607.10	-	23,263.25	25.94	2.40	65.40	99.57	12.16	-	0.40	2.84	127.64	0.70	-	170.35
Yangon																
Number of the Parcels under Pulses	31,979	166,072	46	330	29	-	15	-	1,968	30	15	309	-	-	-	614
Area Planted to Pulses (acre)	189,875.20	1,345,242.73	12.50	536.70	59.59	-	7.32	-	4,662.15	14.79	17.71	719.92	-	-	-	908.16
Shan South																
Number of the Parcels under Pulses	-	1,021	542	79	51	24	13,325	18	152	46,996	2,191	204	543	53	16	2,164
Area Planted to Pulses (acre)	-	2,468.54	1,539.93	149.12	141.10	35.25	20,794.72	59.23	177.97	109,625.91	2,325.27	346.13	774.96	90.20	15.71	2,274.84
Shan North																
Number of the Parcels under Pulses	28	2,739	-	-	-	-	13,257	-	-	579	-	-	181	-	-	7,174
Area Planted to Pulses (acre)	133.74	6,543.75	-	-	-	-	27,286.71	-	-	1,296.78	-	-	331.15	-	-	14,021.15
Shan East																
Number of the Parcels under Pulses	15	16	-	15	-	-	1,610	-	-	225	-	-	-	-	-	1,248
Area Planted to Pulses (acre)	11.48	6.20	-	14.60	-	-	1,817.17	-	-	425.64	-	-	-	-	-	948.52
Ayeyarwady																
Number of the Parcels under Pulses	467,974	56,218	1,605	38,186	2,682	179	9,978	747	41,239	316	1,143	151	8,016	76	410	3,116
Area Planted to Pulses (acre)	2,654,170.75	245,601.79	2,327.71	82,370.84	5,794.45	240.01	30,256.59	3,652.56	87,573.70	653.37	3,642.41	506.83	13,262.82	68.42	452.74	7,213.94

Source: MCA 2010 Supplementary Module, SURD

**Table A-15. Number of Parcels under Tuber/Root Crops and Area Planted to Tuber/Root Crops Reported from the Household Crop Holdings during the past 12 months, by Kind of Tuber/Root Crops Planted, by Region/State, RoUM: 2010**

Region/State	Kind of Tuber and Root Crops Planted			
	Potato	Cassava	Sweet Potato	Other Tuber and Root Crops
Union of Myanmar				
Number of the Parcels under Tuber/Root Crops	52,133	14,712	3,827	4,570
Area Planted to Tuber and Root Crops (acre)	52,402.98	35,691.76	3,823.71	2,553.91
Kachin				
Number of the Parcels under Tuber/Root Crops	1,581	242	68	1,053
Area Planted to Tuber and Root Crops (acre)	2,552.21	123.55	66.47	399.42
Kayah				
Number of the Parcels under Tuber/Root Crops	1,432	-	*	46
Area Planted to Tuber and Root Crops (acre)	1,888.59	-	0.10	23.74
Kayin				
Number of the Parcels under Tuber/Root Crops	-	*	25	80
Area Planted to Tuber and Root Crops (acre)	-	0.05	7.25	11.48
Chin				
Number of the Parcels under Tuber/Root Crops	6,838	196	1,607	2,584
Area Planted to Tuber and Root Crops (acre)	2,167.46	42.80	338.48	557.82
Sagaing				
Number of the Parcels under Tuber/Root Crops	1,850	189	105	153
Area Planted to Tuber and Root Crops (acre)	1,015.54	454.49	88.44	195.61
Tanintharyi				
Number of the Parcels under Tuber/Root Crops	-	15	31	-
Area Planted to Tuber and Root Crops (acre)	-	7.41	15.83	-
Bago East				
Number of the Parcels under Tuber/Root Crops	-	-	-	27
Area Planted to Tuber and Root Crops (acre)	-	-	-	493.05
Bago West				
Number of the Parcels under Tuber/Root Crops	-	*	69	-
Area Planted to Tuber and Root Crops (acre)	-	20.00	47.81	-
Magway				
Number of the Parcels under Tuber/Root Crops	1,859	230	92	32
Area Planted to Tuber and Root Crops (acre)	3,210.29	446.53	153.11	98.17
Mandalay				
Number of the Parcels under Tuber/Root Crops	896	238	544	227
Area Planted to Tuber and Root Crops (acre)	930.41	516.05	1,153.36	339.39
Mon				
Number of the Parcels under Tuber/Root Crops	-	16	173	36
Area Planted to Tuber and Root Crops (acre)	-	10.20	340.70	56.35
Rakhine				
Number of the Parcels under Tuber/Root Crops	11,659	30	580	30
Area Planted to Tuber and Root Crops (acre)	4,684.90	13.45	212.98	31.47
Yangon				
Number of the Parcels under Tuber/Root Crops	-	47	107	16
Area Planted to Tuber and Root Crops (acre)	-	46.62	456.84	31.94
Shan South				
Number of the Parcels under Tuber/Root Crops	24,600	30	15	143
Area Planted to Tuber and Root Crops (acre)	34,315.08	44.14	3.83	156.02
Shan North				
Number of the Parcels under Tuber/Root Crops	1,344	76	69	17
Area Planted to Tuber and Root Crops (acre)	1,556.89	299.18	54.12	8.01
Shan East				
Number of the Parcels under Tuber/Root Crops	33	3	2	16
Area Planted to Tuber and Root Crops (acre)	11.04	0.55	0.15	73.59
Ayeyarwady				
Number of the Parcels under Tuber/Root Crops	41	13,398	339	110
Area Planted to Tuber and Root Crops (acre)	70.57	33,666.74	884.24	77.85

Source: MCA 2010 Supplementary Module, SLRD

**Table A-16. Number of Parcels under Oil Seed Crops and Area Planted to Oil Seed Crops Reported from the Household Crop Holdings during the past 12 months, by Kind of Oil Seed Crops Planted, by Region/State, RoUM: 2010**

Region/State	Kind of Oil Seed Crops Planted				
	Groundnut	Sunflower	Mustard	Sesame	Other Oil Seed Crops
Union of Myanmar					
Number of the Parcels under Oil Seed Crops	636,786	219,330	19,606	1,213,073	34,299
Area Planted to Oil Seed Crops (acre)	1,823,002.76	510,655.65	72,130.00	3,837,255.16	88,469.54
Kachin					
Number of the Parcels under Oil Seed Crops	8,601	273	9,827	3,003	739
Area Planted to Oil Seed Crops (acre)	21,662.81	489.85	48,789.11	12,836.86	5,083.14
Kayah					
Number of the Parcels under Oil Seed Crops	1,554	478	*	3,228	-
Area Planted to Oil Seed Crops (acre)	2,396.90	536.46	0.08	11,181.72	-
Kayin					
Number of the Parcels under Oil Seed Crops	4,191	190	-	155	-
Area Planted to Oil Seed Crops (acre)	7,857.56	399.53	-	270.29	-
Chin					
Number of the Parcels under Oil Seed Crops	3,140	403	520	4,824	1,837
Area Planted to Oil Seed Crops (acre)	3,604.74	154.99	708.47	2,593.11	1,454.64
Sagaing					
Number of the Parcels under Oil Seed Crops	212,901	48,468	4,308	257,529	7,093
Area Planted to Oil Seed Crops (acre)	705,193.35	164,108.57	14,594.22	1,066,601.44	36,767.15
Tanintharyi					
Number of the Parcels under Oil Seed Crops	*	-	-	*	-
Area Planted to Oil Seed Crops (acre)	3.65	-	-	2.55	-
Bago East					
Number of the Parcels under Oil Seed Crops	11,781	8,632	-	7,995	15
Area Planted to Oil Seed Crops (acre)	30,742.01	21,701.32	-	24,805.45	7.56
Bago West					
Number of the Parcels under Oil Seed Crops	31,962	231	-	24,462	15
Area Planted to Oil Seed Crops (acre)	73,136.64	525.55	-	72,849.20	29.90
Magway					
Number of the Parcels under Oil Seed Crops	165,972	27,685	34	496,479	2,024
Area Planted to Oil Seed Crops (acre)	477,971.17	57,275.83	34.17	1,645,147.18	2,955.91
Mandalay					
Number of the Parcels under Oil Seed Crops	130,754	28,040	377	403,992	912
Area Planted to Oil Seed Crops (acre)	367,581.75	63,978.39	1,204.38	969,133.82	2,932.93
Mon					
Number of the Parcels under Oil Seed Crops	2,402	314	-	393	-
Area Planted to Oil Seed Crops (acre)	7,364.63	348.59	-	618.43	-
Rakhine					
Number of the Parcels under Oil Seed Crops	16,297	48	2,993	21	*
Area Planted to Oil Seed Crops (acre)	21,891.96	30.69	4,591.48	14.10	1.00
Yangon					
Number of the Parcels under Oil Seed Crops	1,580	306	16	2	-
Area Planted to Oil Seed Crops (acre)	3,369.62	482.73	9.23	15.00	-
Shan South					
Number of the Parcels under Oil Seed Crops	9,309	1,253	1,070	4,223	13,720
Area Planted to Oil Seed Crops (acre)	12,766.74	2,428.08	1,546.05	9,431.48	20,067.89
Shan North					
Number of the Parcels under Oil Seed Crops	12,725	313	445	2,447	7,883
Area Planted to Oil Seed Crops (acre)	23,105.25	758.91	648.17	9,175.55	19,040.20
Shan East					
Number of the Parcels under Oil Seed Crops	1,091	-	-	1,161	15
Area Planted to Oil Seed Crops (acre)	1,048.79	-	-	2,650.31	44.43
Ayeyarwady					
Number of the Parcels under Oil Seed Crops	22,525	102,696	15	3,158	45
Area Planted to Oil Seed Crops (acre)	63,305.19	197,436.16	4.64	9,928.67	84.79

Source: MCA 2010 Supplementary Module, SLRD

**Table A-17. Number of Parcels under Spices/Medicinal Plants and Area Planted to Spices/Medicinal Plants Reported from the Household Crop Holdings during the past 12 months, by Kind of Spices/Medicinal Plants Planted, by Region/State, RoUM: 2010**

Region/State	Kind of Spices/Medicinal Plants Planted				
	Phala	Black pepper	Oil plants for essence	Other spices	Medicinal plants like Febrifuge, aniseed, senna, etc.
Union of Myanmar					
Number of the Parcels under Spices/Medicinal Plants	740	855	442	3,879	4,530
Area Planted to Spices/Medicinal Plants (acre)	1,070.23	1,755.76	1,141.14	9,909.34	4,225.13
Kachin					
Number of the Parcels under Spices/Medicinal Plants	-	3	-	9	-
Area Planted to Spices/Medicinal Plants (acre)	-	29.10	-	0.96	-
Chin					
Number of the Parcels under Spices/Medicinal Plants	-	92	15	47	3,542
Area Planted to Spices/Medicinal Plants (acre)	-	136.25	3.68	69.94	2,294.35
Sagaing					
Number of the Parcels under Spices/Medicinal Plants	16	251	252	1,504	186
Area Planted to Spices/Medicinal Plants (acre)	106.50	678.77	655.27	5,202.80	352.29
Bago East					
Number of the Parcels under Spices/Medicinal Plants	16	-	16	32	-
Area Planted to Spices/Medicinal Plants (acre)	17.97	-	7.81	31.35	-
Bago West					
Number of the Parcels under Spices/Medicinal Plants	-	-	-	310	-
Area Planted to Spices/Medicinal Plants (acre)	-	-	-	147.05	-
Magway					
Number of the Parcels under Spices/Medicinal Plants	33	127	30	123	38
Area Planted to Spices/Medicinal Plants (acre)	31.80	295.73	22.38	137.05	65.60
Mandalay					
Number of the Parcels under Spices/Medicinal Plants	549	192	74	1,592	719
Area Planted to Spices/Medicinal Plants (acre)	812.12	356.17	375.66	4,028.99	1,496.22
Mon					
Number of the Parcels under Spices/Medicinal Plants	-	-	-	31	-
Area Planted to Spices/Medicinal Plants (acre)	-	-	-	8.40	-
Rakhine					
Number of the Parcels under Spices/Medicinal Plants	18	35	-	-	-
Area Planted to Spices/Medicinal Plants (acre)	9.29	39.78	-	-	-
Shan South					
Number of the Parcels under Spices/Medicinal Plants	62	19	23	97	-
Area Planted to Spices/Medicinal Plants (acre)	46.37	23.71	44.01	95.10	-
Shan North					
Number of the Parcels under Spices/Medicinal Plants	-	15	16	15	-
Area Planted to Spices/Medicinal Plants (acre)	-	26.25	16.82	26.25	-
Shan East					
Number of the Parcels under Spices/Medicinal Plants	-	16	-	-	-
Area Planted to Spices/Medicinal Plants (acre)	-	4.79	-	-	-
Ayeyarwady					
Number of the Parcels under Spices/Medicinal Plants	46	105	16	119	45
Area Planted to Spices/Medicinal Plants (acre)	46.18	165.21	15.51	161.45	16.67

Source: MCA 2010 Supplementary Module, SLRD



**Table A-18. Number of Parcels under Spices/Aromatic Crops and Area Planted to Spices/Aromatic Crops Reported from the Household Crop Holdings during the past 12 months, by Kind of Spices/Aromatic Crops Planted, by Region/State, RoUM: 2010**

Region/State	Kind of Spices/Aromatic Crops Planted						Other Crops Not Classified
	Turmeric	Ginger	Onion	Garlic	Chillies	Other Spices/Aromatic Crops	
Union of Myanmar							
Number of the Parcels under Spices/Aromatic Crops	6,515	8,627	74,785	21,372	140,637	3,597	11,601
Area Planted to Spices/Aromatic Crops (acre)	7,849.07	9,847.05	87,891.20	27,388.06	209,083.47	4,179.46	10,432.72
Kachin							
Number of the Parcels under Spices/Aromatic Crops	*	120	14	67	538	20	-
Area Planted to Spices/Aromatic Crops (acre)	0.10	17.55	7.66	81.79	57.43	52.09	-
Kayah							
Number of the Parcels under Spices/Aromatic Crops	*	-	7	506	286	60	-
Area Planted to Spices/Aromatic Crops (acre)	2.50	-	5.90	533.70	640.58	27.91	-
Kayin							
Number of the Parcels under Spices/Aromatic Crops	143	-	21	-	203	10	-
Area Planted to Spices/Aromatic Crops (acre)	40.78	-	5.91	-	32.26	5.25	-
Chin							
Number of the Parcels under Spices/Aromatic Crops	1,035	1,163	1,826	1,973	3,314	151	-
Area Planted to Spices/Aromatic Crops (acre)	932.59	256.90	629.67	748.40	1,371.87	27.01	-
Sagaing							
Number of the Parcels under Spices/Aromatic Crops	10	3	5,439	1,582	2,408	1,031	690
Area Planted to Spices/Aromatic Crops (acre)	11.54	9.00	7,342.09	3,296.92	3,132.77	2,509.73	1,258.70
Tanintharyi							
Number of the Parcels under Spices/Aromatic Crops	-	-	-	-	224	308	32
Area Planted to Spices/Aromatic Crops (acre)	-	-	-	-	48.68	424.62	5.48
Bago East							
Number of the Parcels under Spices/Aromatic Crops	-	-	-	-	175	*	91
Area Planted to Spices/Aromatic Crops (acre)	-	-	-	-	230.65	0.30	33.25
Bago West							
Number of the Parcels under Spices/Aromatic Crops	-	-	288	-	1,461	10	2,548
Area Planted to Spices/Aromatic Crops (acre)	-	-	160.05	-	833.90	9.25	3,665.69
Magway							
Number of the Parcels under Spices/Aromatic Crops	15	45	26,275	1,059	11,925	151	665
Area Planted to Spices/Aromatic Crops (acre)	17.55	42.91	24,232.11	877.19	20,718.26	44.57	354.08
Mandalay							
Number of the Parcels under Spices/Aromatic Crops	699	877	39,652	640	57,590	363	2,396
Area Planted to Spices/Aromatic Crops (acre)	872.57	1,470.22	54,149.13	645.48	113,719.53	627.13	2,018.86
Mon							
Number of the Parcels under Spices/Aromatic Crops	2	-	-	-	678	111	745
Area Planted to Spices/Aromatic Crops (acre)	0.07	-	-	-	865.88	25.07	409.28
Rakhine							
Number of the Parcels under Spices/Aromatic Crops	61	-	184	70	24,218	906	158
Area Planted to Spices/Aromatic Crops (acre)	33.84	-	57.25	21.93	11,687.74	160.99	60.28
Yangon							
Number of the Parcels under Spices/Aromatic Crops	-	-	-	-	764	73	2,272
Area Planted to Spices/Aromatic Crops (acre)	-	-	-	-	488.86	60.59	1,900.19
Shan South							
Number of the Parcels under Spices/Aromatic Crops	3,962	6,211	278	14,015	5,542	16	678
Area Planted to Spices/Aromatic Crops (acre)	5,572.54	7,952.79	280.67	19,390.45	6,890.55	21.95	249.83
Shan North							
Number of the Parcels under Spices/Aromatic Crops	-	2	17	456	2	16	61
Area Planted to Spices/Aromatic Crops (acre)	-	1.02	1.59	603.87	2.85	7.91	36.58
Shan East							
Number of the Parcels under Spices/Aromatic Crops	-	17	159	916	58	12	-
Area Planted to Spices/Aromatic Crops (acre)	-	13.45	74.25	1,163.33	28.11	1.44	-
Ayeyawady							
Number of the Parcels under Spices/Aromatic Crops	586	189	625	88	31,251	358	1,265
Area Planted to Spices/Aromatic Crops (acre)	364.99	83.21	944.92	25.00	48,335.55	173.65	440.50

Source: MCA 2010 Supplementary Module, SLRD

**Table A-19. Number of Parcels under Industrial Annual Crops and Area Planted to Industrial Annual Crops Reported from the Household Crop Holdings during the past 12 months, by Kind of Industrial Annual Crops Planted, by Region/State, RoUM: 2010**

Region/State	Kind of Industrial Annual Crops Planted		
	Sugarcane	Tobacco (Virginia)	Tobacco (Myanmar)
Union of Myanmar			
Number of the Parcels under Industrial Annual Crops	49,329	4,270	38,597
Area Planted to Industrial Annual Crops (acre)	307,694.81	6,310.54	92,095.53
Kachin			
Number of the Parcels under Industrial Annual Crops	296	-	2
Area Planted to Industrial Annual Crops (acre)	1,188.94	-	5.00
Kayin			
Number of the Parcels under Industrial Annual Crops	122	-	-
Area Planted to Industrial Annual Crops (acre)	283.01	-	-
Chin			
Number of the Parcels under Industrial Annual Crops	33	16	453
Area Planted to Industrial Annual Crops (acre)	17.31	1.56	334.87
Sagaing			
Number of the Parcels under Industrial Annual Crops	16,859	174	1,615
Area Planted to Industrial Annual Crops (acre)	191,365.97	411.17	3,942.24
Tanintharyi			
Number of the Parcels under Industrial Annual Crops	18	-	-
Area Planted to Industrial Annual Crops (acre)	18.21	-	-
Bago East			
Number of the Parcels under Industrial Annual Crops	8,281	-	60
Area Planted to Industrial Annual Crops (acre)	34,949.88	-	270.00
Bago West			
Number of the Parcels under Industrial Annual Crops	3,094	300	360
Area Planted to Industrial Annual Crops (acre)	16,251.61	707.60	784.06
Magway			
Number of the Parcels under Industrial Annual Crops	2,444	2,543	3,639
Area Planted to Industrial Annual Crops (acre)	6,889.15	3,091.76	3,914.45
Mandalay			
Number of the Parcels under Industrial Annual Crops	4,424	1,160	19,990
Area Planted to Industrial Annual Crops (acre)	25,277.96	2,017.16	46,834.27
Mon			
Number of the Parcels under Industrial Annual Crops	1,035	*	30
Area Planted to Industrial Annual Crops (acre)	2,103.71	5.00	22.47
Rakhine			
Number of the Parcels under Industrial Annual Crops	138	15	476
Area Planted to Industrial Annual Crops (acre)	259.03	1.50	334.97
Yangon			
Number of the Parcels under Industrial Annual Crops	1,100	-	-
Area Planted to Industrial Annual Crops (acre)	2,269.08	-	-
Shan South			
Number of the Parcels under Industrial Annual Crops	5,447	45	-
Area Planted to Industrial Annual Crops (acre)	13,950.53	58.69	-
Shan North			
Number of the Parcels under Industrial Annual Crops	5,001	-	1,275
Area Planted to Industrial Annual Crops (acre)	11,880.68	-	1,273.88
Shan East			
Number of the Parcels under Industrial Annual Crops	102	15	9
Area Planted to Industrial Annual Crops (acre)	285.63	12.10	2.40
Ayeyarwady			
Number of the Parcels under Industrial Annual Crops	935	*	10,688
Area Planted to Industrial Annual Crops (acre)	704.11	4.00	34,376.92

Source: MCA 2010 Supplementary Module, SLRD

**Table A-20. Number of Parcels under Fiber Crops and Area Planted to Fiber Crops Reported from the Household Crop Holdings during the past 12 months, by Kind of Fiber Crops Planted, by Region/State, RoUM: 2010**

Region/State	Kind of Fiber Crops Planted				
	Mahlaing Cotton	Long Staple Cotton	Jute	Kenaf	Other Fiber Crops
Union of Myanmar					
Number of the Parcels under Fiber Crops	30,175	71,606	2,438	1,745	704
Area Planted to Fiber Crops (acre)	68,405.48	189,101.33	7,602.03	3,377.40	980.36
Kachin					
Number of the Parcels under Fiber Crops	-	-	-	-	3
Area Planted to Fiber Crops (acre)	-	-	-	-	0.39
Kayah					
Number of the Parcels under Fiber Crops	*	-	-	-	15
Area Planted to Fiber Crops (acre)	1.00	-	-	-	19.14
Kayin					
Number of the Parcels under Fiber Crops	-	-	-	20	-
Area Planted to Fiber Crops (acre)	-	-	-	2.00	-
Chin					
Number of the Parcels under Fiber Crops	46	-	-	91	149
Area Planted to Fiber Crops (acre)	7.03	-	-	13.88	42.40
Sagaing					
Number of the Parcels under Fiber Crops	7,994	13,187	15	9	104
Area Planted to Fiber Crops (acre)	26,114.87	33,349.16	7.41	41.37	316.77
Bago East					
Number of the Parcels under Fiber Crops	-	-	193	-	-
Area Planted to Fiber Crops (acre)	-	-	587.15	-	-
Bago West					
Number of the Parcels under Fiber Crops	738	731	944	182	45
Area Planted to Fiber Crops (acre)	1,661.43	1,088.80	4,064.38	585.31	177.25
Magway					
Number of the Parcels under Fiber Crops	4,414	23,214	33	62	131
Area Planted to Fiber Crops (acre)	10,897.91	68,320.19	102.42	242.94	154.07
Mandalay					
Number of the Parcels under Fiber Crops	16,934	34,470	17	38	120
Area Planted to Fiber Crops (acre)	29,683.47	86,339.18	45.51	38.99	141.03
Mon					
Number of the Parcels under Fiber Crops	*	-	-	14	-
Area Planted to Fiber Crops (acre)	1.00	-	-	0.71	-
Rakhine					
Number of the Parcels under Fiber Crops	*	-	-	-	-
Area Planted to Fiber Crops (acre)	0.50	-	-	-	-
Yangon					
Number of the Parcels under Fiber Crops	-	-	28	112	30
Area Planted to Fiber Crops (acre)	-	-	55.89	103.77	60.68
Shan South					
Number of the Parcels under Fiber Crops	16	-	-	-	38
Area Planted to Fiber Crops (acre)	18.92	-	-	-	19.98
Shan North					
Number of the Parcels under Fiber Crops	15	-	-	-	-
Area Planted to Fiber Crops (acre)	4.60	-	-	-	-
Shan East					
Number of the Parcels under Fiber Crops	-	4	-	-	*
Area Planted to Fiber Crops (acre)	-	4.00	-	-	2.00
Ayeyarwady					
Number of the Parcels under Fiber Crops	15	-	1,208	1,217	68
Area Planted to Fiber Crops (acre)	14.75	-	2,739.27	2,348.43	46.65

Source: MCA 2010 Supplementary Module, SLRD

**Table A-21. Number of Parcels under Leafy/Stem Vegetables and Area Planted to Leafy/Stem Vegetables Reported from the Household Crop Holdings during the past 12 months, by Kind of Leafy/Stem Vegetables Planted, by Region/State, RoUM: 2010**

Region/State	Kind of Leafy/Stem Vegetables Planted					
	Cabbage	Mustard	Cauliflower	Broccoli	Kailan	Other leafy/Stem vegetables
Union of Myanmar						
Number of the Parcels under Leafy/Stem Vegetables	18,051	51,224	8,741	494	3,822	52,670
Area Planted to Leafy/Stem Vegetables (acre)	18,872.72	60,451.22	8,420.66	337.40	4,376.61	22,926.72
Kachin						
Number of the Parcels under Leafy/Stem Vegetables	934	2,305	616	-	197	543
Area Planted to Leafy/Stem Vegetables (acre)	1,179.58	3,152.06	503.08	-	75.22	591.65
Kayah						
Number of the Parcels under Leafy/Stem Vegetables	624	35	422	-	*	685
Area Planted to Leafy/Stem Vegetables (acre)	796.82	24.85	528.31	-	0.20	398.02
Kayin						
Number of the Parcels under Leafy/Stem Vegetables	*	*	3	-	*	483
Area Planted to Leafy/Stem Vegetables (acre)	0.50	0.50	0.82	-	0.50	251.14
Chin						
Number of the Parcels under Leafy/Stem Vegetables	1,973	7,379	184	*	108	15,539
Area Planted to Leafy/Stem Vegetables (acre)	486.22	1,418.78	26.26	0.05	13.81	2,723.94
Sagaing						
Number of the Parcels under Leafy/Stem Vegetables	2,038	8,240	2,668	153	796	8,044
Area Planted to Leafy/Stem Vegetables (acre)	2,841.34	10,964.48	3,021.73	177.97	1,888.21	5,415.56
Tanintharyi						
Number of the Parcels under Leafy/Stem Vegetables	-	31	15	-	-	518
Area Planted to Leafy/Stem Vegetables (acre)	-	15.03	13.61	-	-	85.07
Bago East						
Number of the Parcels under Leafy/Stem Vegetables	72	4	*	-	-	143
Area Planted to Leafy/Stem Vegetables (acre)	233.42	1.50	0.10	-	-	60.48
Bago West						
Number of the Parcels under Leafy/Stem Vegetables	1,897	23	3	-	*	2,708
Area Planted to Leafy/Stem Vegetables (acre)	1,110.34	31.51	2.05	-	0.25	876.38
Magway						
Number of the Parcels under Leafy/Stem Vegetables	147	5,192	570	*	16	3,939
Area Planted to Leafy/Stem Vegetables (acre)	131.81	11,448.07	355.84	0.75	8.96	3,151.46
Mandalay						
Number of the Parcels under Leafy/Stem Vegetables	1,414	24,383	2,485	25	2,014	2,539
Area Planted to Leafy/Stem Vegetables (acre)	1,881.67	31,447.60	2,548.26	12.20	1,952.19	3,486.00
Mon						
Number of the Parcels under Leafy/Stem Vegetables	21	131	43	-	48	4,494
Area Planted to Leafy/Stem Vegetables (acre)	7.10	30.26	12.96	-	6.10	621.33
Rakhine						
Number of the Parcels under Leafy/Stem Vegetables	1,164	168	221	-	31	698
Area Planted to Leafy/Stem Vegetables (acre)	510.53	51.08	92.02	-	2.17	550.56
Yangon						
Number of the Parcels under Leafy/Stem Vegetables	44	188	23	175	134	3,260
Area Planted to Leafy/Stem Vegetables (acre)	17.12	68.40	16.10	48.97	66.38	1,737.48
Shan South						
Number of the Parcels under Leafy/Stem Vegetables	4,526	1,105	1,168	32	415	904
Area Planted to Leafy/Stem Vegetables (acre)	7,610.90	742.59	1,170.61	54.94	336.87	488.05
Shan North						
Number of the Parcels under Leafy/Stem Vegetables	101	794	107	16	15	351
Area Planted to Leafy/Stem Vegetables (acre)	61.58	550.66	62.38	32.00	7.39	176.11
Shan East						
Number of the Parcels under Leafy/Stem Vegetables	471	1,200	63	-	15	2,658
Area Planted to Leafy/Stem Vegetables (acre)	484.79	493.96	38.60	-	15.57	1,072.75
Ayeyarwady						
Number of the Parcels under Leafy/Stem Vegetables	2,624	45	149	91	30	5,164
Area Planted to Leafy/Stem Vegetables (acre)	1,519.00	9.89	27.93	10.52	2.79	1,240.74

Source: MCA 2010 Supplementary Module, SLRD



**Table A-22. Number of Parcels under Fruit-bearing Vegetables and Area Planted to Fruit-bearing Vegetables Reported from the Household Crop Holdings during the past 12 months, by Kind of Fruit-bearing Vegetables Planted, by Region/State, RoUM: 2010**

Region/State	Kind of Fruit-bearing Vegetables Planted			
	Cucumber	Tomato	Watermelon	Other fruit-bearing vegetables
Union of Myanmar				
Number of the Parcels under Fruit-bearing Vegetables	11,089	44,730	4,753	38,026
Area Planted to Fruit-bearing Vegetables (acre)	5,988.89	58,555.42	8,048.94	23,965.05
Kachin				
Number of the Parcels under Fruit-bearing Vegetables	66	560	229	669
Area Planted to Fruit-bearing Vegetables (acre)	38.46	369.44	627.32	272.71
Kayah				
Number of the Parcels under Fruit-bearing Vegetables	98	186	*	92
Area Planted to Fruit-bearing Vegetables (acre)	48.60	188.23	3.00	54.18
Kayin				
Number of the Parcels under Fruit-bearing Vegetables	216	109	140	435
Area Planted to Fruit-bearing Vegetables (acre)	38.84	16.70	219.03	99.15
Chin				
Number of the Parcels under Fruit-bearing Vegetables	3,811	612	61	5,127
Area Planted to Fruit-bearing Vegetables (acre)	948.24	238.23	6.84	1,358.45
Sagaing				
Number of the Parcels under Fruit-bearing Vegetables	755	9,435	1,113	2,375
Area Planted to Fruit-bearing Vegetables (acre)	1,715.22	14,336.27	3,218.25	2,814.35
Tanintharyi				
Number of the Parcels under Fruit-bearing Vegetables	147	2	-	243
Area Planted to Fruit-bearing Vegetables (acre)	38.81	1.48	-	46.81
Bago East				
Number of the Parcels under Fruit-bearing Vegetables	18	124	101	182
Area Planted to Fruit-bearing Vegetables (acre)	1.87	87.74	137.43	47.70
Bago West				
Number of the Parcels under Fruit-bearing Vegetables	249	2,113	93	3,799
Area Planted to Fruit-bearing Vegetables (acre)	139.83	2,095.89	93.92	3,010.87
Magway				
Number of the Parcels under Fruit-bearing Vegetables	-	4,319	51	1,878
Area Planted to Fruit-bearing Vegetables (acre)	-	9,993.85	99.73	3,024.38
Mandalay				
Number of the Parcels under Fruit-bearing Vegetables	298	8,755	866	1,666
Area Planted to Fruit-bearing Vegetables (acre)	430.42	12,369.47	1,431.03	2,295.87
Mon				
Number of the Parcels under Fruit-bearing Vegetables	330	155	95	2,002
Area Planted to Fruit-bearing Vegetables (acre)	246.77	136.33	209.59	548.09
Rakhine				
Number of the Parcels under Fruit-bearing Vegetables	1,143	918	877	4,174
Area Planted to Fruit-bearing Vegetables (acre)	429.51	356.69	575.73	2,125.47
Yangon				
Number of the Parcels under Fruit-bearing Vegetables	1,270	580	45	4,427
Area Planted to Fruit-bearing Vegetables (acre)	455.42	445.86	100.96	1,790.41
Shan South				
Number of the Parcels under Fruit-bearing Vegetables	67	12,856	5	318
Area Planted to Fruit-bearing Vegetables (acre)	75.96	12,892.93	6.00	129.88
Shan North				
Number of the Parcels under Fruit-bearing Vegetables	69	484	344	4
Area Planted to Fruit-bearing Vegetables (acre)	110.99	431.53	606.98	2.10
Shan East				
Number of the Parcels under Fruit-bearing Vegetables	-	-	16	175
Area Planted to Fruit-bearing Vegetables (acre)	-	-	44.55	55.17
Ayeyarwady				
Number of the Parcels under Fruit-bearing Vegetables	2,552	3,522	716	10,440
Area Planted to Fruit-bearing Vegetables (acre)	1,269.95	4,594.78	668.58	6,309.46

Source: MCA 2010 Supplementary Module, SLRD

**Table A-23. Number of Parcels under Root/Bulb/Tuberous Vegetables and Area Planted to Root/Bulb/Tuberous Vegetables**  
**Reported from the Household Crop Holdings during the past 12 months, by Kind of Root/Bulb/Tuberous Vegetables Planted,**  
**by Region/State, RoUM: 2010**

Region/State	Kind of Root/Bulb/Tuberous Vegetables Planted		
	Carrot	Radish	Other Root/Bulb/ Tuberous Vegetables
Union of Myanmar			
Number of the Parcels under Root/Bulb/Tuberous Vegetables	2,603	2,132	2,960
Area Planted to Root/Bulb/Tuberous Vegetables (acre)	2,098.90	1,671.92	3,167.13
Kachin			
Number of the Parcels under Root/Bulb/Tuberous Vegetables	76	30	31
Area Planted to Root/Bulb/Tuberous Vegetables (acre)	14.49	13.35	12.08
Kayah			
Number of the Parcels under Root/Bulb/Tuberous Vegetables	15	-	-
Area Planted to Root/Bulb/Tuberous Vegetables (acre)	14.86	-	-
Kayin			
Number of the Parcels under Root/Bulb/Tuberous Vegetables	3	-	-
Area Planted to Root/Bulb/Tuberous Vegetables (acre)	1.06	-	-
Chin			
Number of the Parcels under Root/Bulb/Tuberous Vegetables	109	33	139
Area Planted to Root/Bulb/Tuberous Vegetables (acre)	40.85	4.93	28.06
Sagaing			
Number of the Parcels under Root/Bulb/Tuberous Vegetables	457	124	34
Area Planted to Root/Bulb/Tuberous Vegetables (acre)	305.27	242.23	29.71
Tanintharyi			
Number of the Parcels under Root/Bulb/Tuberous Vegetables	*	79	125
Area Planted to Root/Bulb/Tuberous Vegetables (acre)	0.10	16.63	5.26
Bago East			
Number of the Parcels under Root/Bulb/Tuberous Vegetables	17	*	-
Area Planted to Root/Bulb/Tuberous Vegetables (acre)	11.15	2.00	-
Bago West			
Number of the Parcels under Root/Bulb/Tuberous Vegetables	139	498	2
Area Planted to Root/Bulb/Tuberous Vegetables (acre)	273.63	384.58	1.00
Magway			
Number of the Parcels under Root/Bulb/Tuberous Vegetables	327	*	44
Area Planted to Root/Bulb/Tuberous Vegetables (acre)	564.47	0.50	26.57
Mandalay			
Number of the Parcels under Root/Bulb/Tuberous Vegetables	458	228	2,069
Area Planted to Root/Bulb/Tuberous Vegetables (acre)	269.53	439.44	2,812.18
Mon			
Number of the Parcels under Root/Bulb/Tuberous Vegetables	20	62	227
Area Planted to Root/Bulb/Tuberous Vegetables (acre)	9.15	12.31	70.85
Rakhine			
Number of the Parcels under Root/Bulb/Tuberous Vegetables	40	295	36
Area Planted to Root/Bulb/Tuberous Vegetables (acre)	24.61	67.98	20.10
Yangon			
Number of the Parcels under Root/Bulb/Tuberous Vegetables	59	584	30
Area Planted to Root/Bulb/Tuberous Vegetables (acre)	35.85	434.19	34.02
Shan South			
Number of the Parcels under Root/Bulb/Tuberous Vegetables	464	12	71
Area Planted to Root/Bulb/Tuberous Vegetables (acre)	382.06	8.25	63.84
Shan North			
Number of the Parcels under Root/Bulb/Tuberous Vegetables	31	*	16
Area Planted to Root/Bulb/Tuberous Vegetables (acre)	7.15	1.00	3.55
Shan East			
Number of the Parcels under Root/Bulb/Tuberous Vegetables	28	-	17
Area Planted to Root/Bulb/Tuberous Vegetables (acre)	21.27	-	29.46
Ayeyarwady			
Number of the Parcels under Root/Bulb/Tuberous Vegetables	359	184	119
Area Planted to Root/Bulb/Tuberous Vegetables (acre)	123.40	44.53	30.45

Source: MCA 2010 Supplementary Module, SLRD



**Table A-24. Number and Physical Area of Parcels under Permanent Crops, Area of Compact Plantation and Number of Scattered Productive Trees in all Parcels Reported from the Household Crop Holdings, by Region/State, RoUM: 2010**

Region/State	Parcels under Permanent Crops			Number of Scattered Productive Trees in all Parcels Reported
	Number	Physical Area (acre)	Area of Compact Plantation (acre)	
Union of Myanmar	727,718	2,407,294.17	1,979,459.95	40,968,778.00
Kachin	13,412	44,855.65	44,608.34	184,502.00
Kayah	24	44.27	40.47	378.00
Kayin	6,875	28,406.15	28,346.65	27,692.00
Chin	5,367	8,222.09	7,787.06	70,596.00
Sagaing	24,493	95,620.58	85,793.43	215,518.00
Tanintharyi	95,203	425,891.80	390,766.97	7,685,177.00
Bago East	5,578	35,298.66	31,025.56	9,462,438.00
Bago West	2,279	3,880.49	3,166.17	22,965.00
Magway	29,490	126,011.80	17,402.38	2,492,095.00
Mandalay	63,606	237,005.39	57,838.02	3,206,412.00
Mon	98,882	626,691.11	624,790.90	2,706,735.00
Rakhine	28,709	69,491.54	65,867.33	235,216.00
Yangon	34,107	88,421.72	91,106.67	1,709,462.00
Shan South	70,280	111,218.04	111,498.91	50,510.00
Shan North	63,574	147,206.77	148,813.68	11,434.00
Shan East	8,818	28,748.24	30,268.38	385.00
Ayeyarwady	177,021	330,279.87	240,339.03	12,887,263.00

Source: MCA 2010 Supplementary Module, SLRD

**Table A-25. Number of Parcels under Permanent Crops and Area of Compact Plantation Reported from the Household Crop Holdings during the past 12 months, by Size of the Area of Compact Plantation, by Region/State, RoUM: 2010**

Region/State	Size of the Area Planted to Permanent Crop(s)							TOTAL
	Less than 1 acre	1 acre and under 3 acres	3 acres and under 5 acres	5 acres and under 10 acres	10 acres and under 20 acres	20 acres and under 50 acres	50 acres and over	
Union of Myanmar								
Number of the Parcels under Permanent Crops	203,910	296,414	93,741	72,454	33,849	7,266	755	727,722
Area Planted to Compact Plantation (acre)	73,148.57	451,570.19	321,845.00	447,231.93	416,450.64	187,991.12	81,222.52	1,979,459.97
Kachin								
Number of the Parcels under Permanent Crops	2,512	9,202	2,844	1,454	488	137	20	13,413
Area Planted to Compact Plantation (acre)	1,118.60	13,622.99	9,742.11	8,762.88	5,692.31	4,004.46	1,665.00	44,608.34
Kayah								
Number of the Parcels under Permanent Crops	18	18	-	-	-	-	-	24
Area Planted to Compact Plantation (acre)	8.93	22.54	-	9.00	-	-	-	40.47
Kayin								
Number of the Parcels under Permanent Crops	1,960	3,477	1,138	1,019	666	78	36	6,875
Area Planted to Compact Plantation (acre)	712.71	5,479.56	3,873.23	5,765.75	8,053.88	1,976.96	2,484.57	28,346.65
Chin								
Number of the Parcels under Permanent Crops	5,165	3,021	394	49	46	-	-	5,368
Area Planted to Compact Plantation (acre)	1,687.98	3,925.10	1,341.93	250.41	581.64	-	-	7,787.06
Sagaing								
Number of the Parcels under Permanent Crops	7,059	11,670	6,011	3,399	1,053	307	10	24,492
Area Planted to Compact Plantation (acre)	2,577.70	19,353.31	20,855.79	20,295.09	13,576.59	8,017.33	1,117.61	85,793.43
Tanintharyi								
Number of the Parcels under Permanent Crops	13,911	33,337	18,987	17,644	5,893	1,870	280	95,203
Area Planted to Compact Plantation (acre)	4,972.12	55,297.21	65,721.25	107,595.87	71,079.14	48,493.77	37,507.61	390,766.97
Bago East								
Number of the Parcels under Permanent Crops	728	3,808	1,302	896	356	220	61	5,578
Area Planted to Compact Plantation (acre)	270.56	5,727.24	4,276.12	5,240.49	4,567.12	5,225.03	5,719.00	31,025.56
Bago West								
Number of the Parcels under Permanent Crops	1,776	697	316	32	22	3	-	2,279
Area Planted to Compact Plantation (acre)	449.82	1,090.45	1,025.38	253.15	227.38	70.00	50.00	3,166.17
Magway								
Number of the Parcels under Permanent Crops	1,994	6,422	1,174	348	33	-	-	29,492
Area Planted to Compact Plantation (acre)	829.10	10,029.28	4,030.77	2,080.96	412.29	20.00	-	17,402.38
Mandalay								
Number of the Parcels under Permanent Crops	7,694	15,437	4,315	1,677	412	67	7	63,607
Area Planted to Compact Plantation (acre)	3,376.35	22,523.23	14,502.10	10,606.63	4,896.75	1,565.96	367.00	57,838.02
Mon								
Number of the Parcels under Permanent Crops	10,233	25,288	19,351	27,841	19,466	3,192	112	98,882
Area Planted to Compact Plantation (acre)	3,893.94	41,030.10	68,207.25	176,987.06	242,407.05	80,583.89	11,681.61	624,790.90
Rakhine								
Number of the Parcels under Permanent Crops	9,798	14,539	4,192	2,283	657	85	10	28,709
Area Planted to Compact Plantation (acre)	4,312.30	21,727.43	14,379.71	13,624.10	8,611.04	2,342.31	870.46	65,867.33
Yangon								
Number of the Parcels under Permanent Crops	21,623	13,420	4,121	3,280	1,780	2,981	2,565	40,184
Area Planted to Compact Plantation (acre)	8,137.24	20,585.39	14,415.83	18,870.17	14,078.67	8,592.09	56.00	84,735.39
Shan South								
Number of the Parcels under Permanent Crops	10,868	54,543	5,159	1,389	242	22	-	70,280
Area Planted to Compact Plantation (acre)	5,435.24	77,447.80	16,934.88	8,439.95	2,729.81	511.24	-	111,498.91
Shan North								
Number of the Parcels under Permanent Crops	3,591	44,311	11,945	4,303	922	94	11	63,574
Area Planted to Compact Plantation (acre)	1,787.87	69,304.87	39,094.33	24,570.38	10,049.46	2,103.77	1,903.00	148,813.68
Shan East								
Number of the Parcels under Permanent Crops	2,897	4,607	970	884	359	87	42	8,819
Area Planted to Compact Plantation (acre)	1,372.66	6,630.07	3,224.70	5,255.67	4,353.67	2,788.57	6,643.04	30,268.38
Ayeyarwady								
Number of the Parcels under Permanent Crops	102,037	52,656	11,592	6,208	2,028	688	130	177,022
Area Planted to Compact Plantation (acre)	32,180.28	77,661.21	40,121.17	38,226.23	24,512.77	19,044.09	8,593.28	240,339.03

Source: MCA 2010 Supplementary Module, SLRD

**Table A-26. Number of Parcels under Citrus Fruit Trees and Area of Compact Plantation Reported from the Household Crop Holdings during the past 12 months, by Kind of Citrus Fruit Trees, by Region/State, RoUM: 2010**

Region/State	Kind of Citrus Fruit Trees				
	Orange	Shaddock	Lemon	Lime	Other citrus fruit trees
Union of Myanmar					
Number of the Parcels under Citrus Fruit Trees	17,887	1,505	2,419	5,901	643
Area of Compact Plantation (acre)	32,766.12	1,838.21	4,674.07	8,783.12	764.13
Kachin					
Number of the Parcels under Citrus Fruit Trees	3,474	-	37	156	10
Area of Compact Plantation (acre)	10,409.20	-	30.56	144.43	21.41
Kayin					
Number of the Parcels under Citrus Fruit Trees	21	446	44	84	-
Area of Compact Plantation (acre)	5.78	461.60	7.88	25.96	-
Chin					
Number of the Parcels under Citrus Fruit Trees	1,232	147	284	430	63
Area of Compact Plantation (acre)	774.22	105.39	78.34	164.97	36.93
Sagaing					
Number of the Parcels under Citrus Fruit Trees	60	-	92	208	17
Area of Compact Plantation (acre)	338.89	-	235.40	415.33	17.85
Tanintharyi					
Number of the Parcels under Citrus Fruit Trees	-	21	45	120	-
Area of Compact Plantation (acre)	-	5.32	23.13	127.90	-
Bago East					
Number of the Parcels under Citrus Fruit Trees	-	2	502	349	*
Area of Compact Plantation (acre)	-	58.50	2,550.26	1,098.41	11.50
Bago West					
Number of the Parcels under Citrus Fruit Trees	-	7	4	209	6
Area of Compact Plantation (acre)	-	6.23	2.06	194.23	3.45
Magway					
Number of the Parcels under Citrus Fruit Trees	224	29	32	234	*
Area of Compact Plantation (acre)	260.00	22.07	9.41	241.47	0.50
Mandalay					
Number of the Parcels under Citrus Fruit Trees	837	*	244	1,463	230
Area of Compact Plantation (acre)	968.90	0.50	271.85	3,684.18	156.30
Mon					
Number of the Parcels under Citrus Fruit Trees	-	555	9	204	16
Area of Compact Plantation (acre)	-	724.62	8.69	319.08	15.18
Rakhine					
Number of the Parcels under Citrus Fruit Trees	15	123	707	371	154
Area of Compact Plantation (acre)	14.80	127.41	972.11	424.74	330.58
Yangon					
Number of the Parcels under Citrus Fruit Trees	2	111	169	180	-
Area of Compact Plantation (acre)	2.41	206.38	291.29	231.30	-
Shan South					
Number of the Parcels under Citrus Fruit Trees	10,166	-	2	622	-
Area of Compact Plantation (acre)	15,770.60	-	2.00	936.84	-
Shan North					
Number of the Parcels under Citrus Fruit Trees	1,786	*	218	143	144
Area of Compact Plantation (acre)	3,412.88	0.06	128.36	56.08	170.43
Shan East					
Number of the Parcels under Citrus Fruit Trees	56	17	-	*	-
Area of Compact Plantation (acre)	793.15	87.66	-	2.00	-
Ayeyarwady					
Number of the Parcels under Citrus Fruit Trees	15	46	31	1,126	-
Area of Compact Plantation (acre)	15.29	32.46	62.75	716.21	-

Source: MCA 2010 Supplementary Module, SLRD

**Table A-27. Number of Parcels under Pome Fruit Trees and Area of Compact Plantation Reported from the Household Crop Holdings during the past 12 months, by Kind of Pome Fruit Trees, by Region/State, RoUM: 2010**

Region/State	Kind of Pome Fruit Trees		
	Apple	Pear	Other pome fruit trees
Union of Myanmar			
Number of the Parcels under Pome Fruit Trees	477	207	711
Area of Compact Plantation (acre)	560.75	222.41	1,991.45
Kachin			
Number of the Parcels under Pome Fruit Trees	*	8	*
Area of Compact Plantation (acre)	2.00	8.25	1.30
Kayin			
Number of the Parcels under Pome Fruit Trees	-	20	-
Area of Compact Plantation (acre)	-	10.82	-
Chin			
Number of the Parcels under Pome Fruit Trees	411	63	*
Area of Compact Plantation (acre)	500.88	15.99	3.00
Sagaing			
Number of the Parcels under Pome Fruit Trees	15	-	610
Area of Compact Plantation (acre)	22.46	-	1,869.02
Tanintharyi			
Number of the Parcels under Pome Fruit Trees	2	-	*
Area of Compact Plantation (acre)	2.00	-	0.02
Bago East			
Number of the Parcels under Pome Fruit Trees	-	-	22
Area of Compact Plantation (acre)	-	-	10.61
Bago West			
Number of the Parcels under Pome Fruit Trees	-	-	37
Area of Compact Plantation (acre)	-	-	68.85
Magway			
Number of the Parcels under Pome Fruit Trees	-	2	-
Area of Compact Plantation (acre)	-	2.32	-
Mandalay			
Number of the Parcels under Pome Fruit Trees	-	15	-
Area of Compact Plantation (acre)	-	7.63	-
Mon			
Number of the Parcels under Pome Fruit Trees	*	-	-
Area of Compact Plantation (acre)	5.00	-	-
Rakhine			
Number of the Parcels under Pome Fruit Trees	2	-	-
Area of Compact Plantation (acre)	3.60	-	-
Yangon			
Number of the Parcels under Pome Fruit Trees	-	-	*
Area of Compact Plantation (acre)	-	-	1.00
Shan South			
Number of the Parcels under Pome Fruit Trees	-	84	37
Area of Compact Plantation (acre)	-	164.56	36.15
Shan North			
Number of the Parcels under Pome Fruit Trees	-	*	*
Area of Compact Plantation (acre)	-	1.00	1.50
Ayeyarwady			
Number of the Parcels under Pome Fruit Trees	45	15	-
Area of Compact Plantation (acre)	24.80	11.85	-

Source: MCA 2010 Supplementary Module, SLRD

Table A-28. Number of Parcels under Stone Fruit Trees and Area of Compact Plantation Reported from the Household Crop Holdings during the past 12 months, by Kind of Stone Fruit Trees, by Region/State, RoUM: 2010

Region/State	Kind of Stone Fruit Trees						
	Peaches	Plum	Marian	Tamarind	Other stone fruit trees	Grapes	Strawberry
Union of Myanmar							
Number of the Parcels under Stone Fruit Trees	214	3,897	1,846	196	101	3,586	1,215
Area of Compact Plantation (acre)	124.00	27,869.86	2,106.55	145.73	152.24	3,249.57	1,912.89
Kachin							
Number of the Parcels under Stone Fruit Trees	-	*	-	*	-	-	-
Area of Compact Plantation (acre)	-	20.00	-	1.00	-	-	-
Kayin							
Number of the Parcels under Stone Fruit Trees	-	-	-	17	-	-	-
Area of Compact Plantation (acre)	-	-	-	3.35	-	-	-
Chin							
Number of the Parcels under Stone Fruit Trees	96	-	15	32	-	137	17
Area of Compact Plantation (acre)	8.25	-	10.69	45.25	-	61.57	2.78
Sagaing							
Number of the Parcels under Stone Fruit Trees	16	2,762	377	*	2	134	-
Area of Compact Plantation (acre)	18.09	24,473.72	39.34	1.00	1.50	442.95	-
Tanintharyi							
Number of the Parcels under Stone Fruit Trees	31	-	63	17	15	-	31
Area of Compact Plantation (acre)	15.38	-	41.14	5.86	22.93	-	137.52
Bago East							
Number of the Parcels under Stone Fruit Trees	-	-	1,024	-	-	-	15
Area of Compact Plantation (acre)	-	-	1,711.71	-	-	-	242.67
Bago West							
Number of the Parcels under Stone Fruit Trees	-	6	-	-	-	15	-
Area of Compact Plantation (acre)	-	4.05	-	-	-	11.02	-
Magway							
Number of the Parcels under Stone Fruit Trees	-	20	-	-	-	*	-
Area of Compact Plantation (acre)	-	16.65	-	-	-	0.50	-
Mandalay							
Number of the Parcels under Stone Fruit Trees	18	1,046	-	31	3	3,220	1,045
Area of Compact Plantation (acre)	11.13	3,313.33	-	38.79	2.75	2,650.57	1,291.58
Mon							
Number of the Parcels under Stone Fruit Trees	-	14	65	2	16	-	15
Area of Compact Plantation (acre)	-	6.96	82.07	33.00	1.99	-	162.50
Rakhine							
Number of the Parcels under Stone Fruit Trees	-	14	262	15	-	-	-
Area of Compact Plantation (acre)	-	1.44	189.47	8.96	-	-	-
Yangon							
Number of the Parcels under Stone Fruit Trees	-	-	-	-	-	-	30
Area of Compact Plantation (acre)	-	-	-	-	-	-	43.86
Shan South							
Number of the Parcels under Stone Fruit Trees	-	-	-	-	38	16	*
Area of Compact Plantation (acre)	-	-	-	-	61.27	18.23	1.00
Shan North							
Number of the Parcels under Stone Fruit Trees	21	-	-	-	24	45	63
Area of Compact Plantation (acre)	33.36	-	-	-	58.80	53.05	30.99
Shan East							
Number of the Parcels under Stone Fruit Trees	17	*	-	2	2	15	-
Area of Compact Plantation (acre)	8.35	3.50	-	3.50	2.00	11.38	-
Ayeyarwady							
Number of the Parcels under Stone Fruit Trees	15	31	40	78	*	2	-
Area of Compact Plantation (acre)	29.45	30.20	32.12	5.01	1.00	0.30	-

Source: MCA 2010 Supplementary Module, SLRD



Table A-29. Number of Parcels under Other Cultivated Fruit Trees and Area of Compact Plantation Reported from the Household Crop Holdings during the past 12 months, by Kind of Other Cultivated Fruit Trees, by Region/State, RoUM: 2010

Region/State	Kind of Other Cultivated Fruit Trees											
	Banana	Custard Apple	Guava	Mango	Papaya	Pineapple	Jackfruit	Lychee	Durian	Rambutan	Avocado	Mangosteen
Union of Myanmar												
Number of the Parcels under Other Cultivated Fruit Trees	48,344	578	3,445	28,360	1,909	5,052	1,844	298	1,252	1,158	547	377
Area of Compact Plantation (acre)	64,494.80	940.65	2,864.87	53,576.62	1,888.96	7,948.87	1,501.95	704.52	1,947.23	1,539.49	781.90	334.85
Kachin												
Number of the Parcels under Other Cultivated Fruit Trees	615	-	2	461	1	204	69	35	-	38	-	-
Area of Compact Plantation (acre)	987.33	-	1.50	1,265.25	0.50	407.79	58.69	26.33	-	45.83	-	-
Kayah												
Number of the Parcels under Other Cultivated Fruit Trees	*	-	-	19	-	*	-	-	-	-	-	-
Area of Compact Plantation (acre)	1.00	-	-	19.93	-	0.50	-	-	-	-	-	-
Kayah												
Number of the Parcels under Other Cultivated Fruit Trees	158	-	41	197	-	64	20	20	247	241	-	128
Area of Compact Plantation (acre)	94.03	-	37.46	213.71	-	69.02	5.00	6.01	151.63	213.90	-	62.55
Chin												
Number of the Parcels under Other Cultivated Fruit Trees	1,669	-	34	1,947	31	532	98	-	-	-	282	-
Area of Compact Plantation (acre)	2,095.01	-	4.43	1,735.36	4.15	186.50	19.91	-	-	-	72.29	-
Sagaing												
Number of the Parcels under Other Cultivated Fruit Trees	2,996	45	261	2,939	288	73	115	29	-	2	-	26
Area of Compact Plantation (acre)	7,989.15	3.77	208.78	8,184.06	540.43	144.24	30.02	69.22	-	6.50	-	7.06
Tanintharyi												
Number of the Parcels under Other Cultivated Fruit Trees	1,049	30	128	2,393	80	592	590	-	525	120	62	2
Area of Compact Plantation (acre)	754.99	5.38	22.93	1,425.36	49.05	640.75	525.39	-	919.52	287.94	122.59	1.20
Bago East												
Number of the Parcels under Other Cultivated Fruit Trees	895	-	46	1,296	-	947	2	-	6	-	-	-
Area of Compact Plantation (acre)	2,989.04	-	105.60	2,767.95	-	1,338.50	40.00	-	19.50	-	-	-
Bago West												
Number of the Parcels under Other Cultivated Fruit Trees	1,330	502	25	187	19	2	40	-	-	-	-	3
Area of Compact Plantation (acre)	902.17	931.50	13.08	393.45	51.65	1.50	164.07	-	-	-	-	2.00
Magway												
Number of the Parcels under Other Cultivated Fruit Trees	335	-	11	145	-	3	-	-	-	-	-	-
Area of Compact Plantation (acre)	265.67	-	2.08	93.32	-	3.06	-	-	-	-	-	-
Mandalay												
Number of the Parcels under Other Cultivated Fruit Trees	3,219	-	33	5,264	31	558	92	30	-	15	-	523
Area of Compact Plantation (acre)	5,895.45	-	29.71	13,815.65	30.66	1,087.17	90.91	59.80	-	30.52	-	980.86
Mon												
Number of the Parcels under Other Cultivated Fruit Trees	939	-	112	1,750	*	70	273	17	513	695	29	247
Area of Compact Plantation (acre)	3,356.98	-	29.69	3,618.96	1.00	101.59	224.75	45.72	863.57	902.12	345.17	271.10
Rakhine												
Number of the Parcels under Other Cultivated Fruit Trees	1,806	-	64	1,533	*	74	172	-	-	45	*	17
Area of Compact Plantation (acre)	2,963.08	-	45.41	1,992.43	1.00	119.30	113.24	-	-	49.17	2.00	43.75
Yangon												
Number of the Parcels under Other Cultivated Fruit Trees	5,056	-	1,649	1,342	48	149	63	-	*	*	15	-
Area of Compact Plantation (acre)	9,003.95	-	1,895.99	2,284.46	30.96	43.26	43.04	-	3.00	3.00	10.86	-
Shan South												
Number of the Parcels under Other Cultivated Fruit Trees	222	-	-	3,291	-	17	32	2	-	-	54	-
Area of Compact Plantation (acre)	621.41	-	-	9,579.24	-	30.68	31.86	8.00	-	-	80.39	-
Shan North												
Number of the Parcels under Other Cultivated Fruit Trees	183	-	16	92	4	913	7	55	-	-	3	434
Area of Compact Plantation (acre)	220.76	-	15.36	147.51	5.75	2,931.71	24.13	352.82	-	-	2.62	740.49
Shan East												
Number of the Parcels under Other Cultivated Fruit Trees	28	-	*	373	-	19	-	33	-	-	-	32
Area of Compact Plantation (acre)	93.30	-	5.00	1,105.66	-	68.43	-	135.09	-	-	-	101.48
Ayeyarwady												
Number of the Parcels under Other Cultivated Fruit Trees	27,857	-	1,022	5,231	1,405	835	272	15	-	*	101	-
Area of Compact Plantation (acre)	26,262.51	-	397.68	4,936.32	1,183.81	774.88	130.94	1.52	-	0.50	145.99	-

Source: MCA 2010 Supplementary Module, SURD

**Table A-30. Number of Parcels under Edible Nut Trees and Oil Crops and Area of Compact Plantation Reported from the Household Crop Holdings during the past 12 months, by Kind of Edible Nut Trees and Oil Crops, by Region/State, RoUM: 2010**

Region/State	Kind of Edible Nut Trees				Kind of Oil Crops			
	Cashew	Chest nut	Walnut	Macadamia	Other edible nut trees	Coconut	Palm	Other oil crops
Union of Myanmar								
Number of the Parcels under Edible Nut Trees and Oil Crops	39,517	67	600	132	159	31,875	160	280
Area of Compact Plantation (acre)	168,855.76	176.32	1,669.30	518.24	317.60	45,463.62	1,158.31	600.20
Kachin								
Number of the Parcels under Edible Nut Trees and Oil Crops	*	12	469	32	*	15	-	180
Area of Compact Plantation (acre)	5.00	35.80	1,407.60	47.20	1.00	7.38	-	295.63
Kayah								
Number of the Parcels under Edible Nut Trees and Oil Crops	135	-	-	-	-	18	-	-
Area of Compact Plantation (acre)	690.47	-	-	-	-	5.92	-	-
Chin								
Number of the Parcels under Edible Nut Trees and Oil Crops	74	15	-	-	15	-	-	16
Area of Compact Plantation (acre)	66.40	0.30	-	-	15.08	-	-	6.59
Sagaing								
Number of the Parcels under Edible Nut Trees and Oil Crops	-	-	-	-	16	31	-	*
Area of Compact Plantation (acre)	-	-	-	-	27.40	33.08	-	20.00
Tanintharyi								
Number of the Parcels under Edible Nut Trees and Oil Crops	20,224	16	-	32	*	2,961	80	16
Area of Compact Plantation (acre)	78,307.31	7.08	-	160.11	0.10	8,530.31	869.19	1.55
Bago East								
Number of the Parcels under Edible Nut Trees and Oil Crops	56	-	-	-	-	-	-	*
Area of Compact Plantation (acre)	389.13	-	-	-	-	-	-	100.00
Bago West								
Number of the Parcels under Edible Nut Trees and Oil Crops	9	-	-	-	*	-	-	-
Area of Compact Plantation (acre)	69.25	-	-	-	2.00	-	-	-
Magway								
Number of the Parcels under Edible Nut Trees and Oil Crops	-	-	-	-	11	-	-	-
Area of Compact Plantation (acre)	-	-	-	-	0.87	-	-	-
Mandalay								
Number of the Parcels under Edible Nut Trees and Oil Crops	-	-	59	6	51	76	-	31
Area of Compact Plantation (acre)	-	-	141.36	37.01	38.20	47.09	-	139.56
Mon								
Number of the Parcels under Edible Nut Trees and Oil Crops	924	-	-	-	-	854	16	-
Area of Compact Plantation (acre)	16,080.55	-	-	-	-	731.28	113.37	-
Rakhine								
Number of the Parcels under Edible Nut Trees and Oil Crops	7,601	-	-	-	-	4,164	30	-
Area of Compact Plantation (acre)	23,931.66	-	-	-	-	6,403.25	44.63	-
Yangon								
Number of the Parcels under Edible Nut Trees and Oil Crops	91	-	-	-	-	218	-	14
Area of Compact Plantation (acre)	787.72	-	-	-	-	416.40	-	11.50
Shan South								
Number of the Parcels under Edible Nut Trees and Oil Crops	-	-	*	-	17	-	15	-
Area of Compact Plantation (acre)	-	-	1.00	-	25.52	-	120.89	-
Shan North								
Number of the Parcels under Edible Nut Trees and Oil Crops	-	24	54	63	-	-	-	5
Area of Compact Plantation (acre)	-	133.15	100.15	273.92	-	-	-	24.00
Shan East								
Number of the Parcels under Edible Nut Trees and Oil Crops	-	-	-	-	*	-	-	-
Area of Compact Plantation (acre)	-	-	-	-	9.40	-	-	-
Ayeyarwady								
Number of the Parcels under Edible Nut Trees and Oil Crops	10,403	-	17	-	45	23,539	19	15
Area of Compact Plantation (acre)	48,528.26	-	19.19	-	198.04	29,288.89	10.23	1.37

Source: MCA 2010 Supplementary Module, SLRD



Table A-31. Number of Parcels under Industrial Permanent Crops and Industrialized Crops and Area of Compact Plantation Reported from the Household Crop Holdings during the past 12 months, by Kind of Industrial Permanent Crops and Industrialized Crops, by Region/State, RoUM: 2010

Region/State	Kind of Industrial Permanent Crops				Kind of Industrialized Crops		
	Tea	Coffee	Cocoa	Other industrial permanent crops	Rubber (local)	Rubber (HYV)	Other industrialized crops
Union of Myanmar							
Number of the Parcels under Industrial Permanent Crops and Industrialized Crops	106,611	2,013	229	88	84,222	27,486	573
Area of Compact Plantation (acre)	205,077.53	2,975.17	255.80	307.96	556,831.13	193,912.78	1,253.75
Kachin							
Number of the Parcels under Industrial Permanent Crops and Industrialized Crops	731	3	-	-	705	204	34
Area of Compact Plantation (acre)	776.70	83.45	-	-	4,050.75	2,476.57	119.00
Kayin							
Number of the Parcels under Industrial Permanent Crops and Industrialized Crops	42	196	-	3	1,855	949	-
Area of Compact Plantation (acre)	27.20	319.00	-	6.50	11,594.60	7,290.92	-
Chin							
Number of the Parcels under Industrial Permanent Crops and Industrialized Crops	429	16	-	-	-	-	-
Area of Compact Plantation (acre)	450.93	10.95	-	-	-	-	-
Sagaing							
Number of the Parcels under Industrial Permanent Crops and Industrialized Crops	2,841	-	9	12	100	150	76
Area of Compact Plantation (acre)	6,902.89	-	12.50	9.78	984.53	2,469.18	166.46
Tanintharyi							
Number of the Parcels under Industrial Permanent Crops and Industrialized Crops	-	33	79	-	21,305	5,503	16
Area of Compact Plantation (acre)	-	68.02	39.31	-	121,493.24	58,335.00	22.86
Bago East							
Number of the Parcels under Industrial Permanent Crops and Industrialized Crops	-	-	15	42	1,184	45	-
Area of Compact Plantation (acre)	-	-	44.67	146.19	13,112.82	845.22	-
Magway							
Number of the Parcels under Industrial Permanent Crops and Industrialized Crops	-	180	-	-	*	15	16
Area of Compact Plantation (acre)	-	194.79	-	-	5.50	9.10	4.02
Mandalay							
Number of the Parcels under Industrial Permanent Crops and Industrialized Crops	4,427	25	61	15	16	17	3
Area of Compact Plantation (acre)	9,523.41	248.25	128.08	29.90	65.49	124.90	52.00
Mon							
Number of the Parcels under Industrial Permanent Crops and Industrialized Crops	31	*	-	-	55,504	12,010	46
Area of Compact Plantation (acre)	15.29	1.00	-	-	386,178.30	95,094.81	435.44
Rakhine							
Number of the Parcels under Industrial Permanent Crops and Industrialized Crops	16	60	*	-	1,197	351	32
Area of Compact Plantation (acre)	31.12	27.77	1.00	-	5,541.92	2,563.61	34.41
Yangon							
Number of the Parcels under Industrial Permanent Crops and Industrialized Crops	-	-	15	-	91	448	-
Area of Compact Plantation (acre)	-	-	3.77	-	740.81	3,799.18	-
Shan South							
Number of the Parcels under Industrial Permanent Crops and Industrialized Crops	39,762	1,413	-	-	-	-	304
Area of Compact Plantation (acre)	57,365.82	1,935.22	-	-	-	-	291.96
Shan North							
Number of the Parcels under Industrial Permanent Crops and Industrialized Crops	57,021	*	-	*	281	2,273	23
Area of Compact Plantation (acre)	129,674.35	14.00	-	2.00	397.33	7,681.48	84.01
Shan East							
Number of the Parcels under Industrial Permanent Crops and Industrialized Crops	311	5	3	15	1,015	5,178	8
Area of Compact Plantation (acre)	289.83	22.00	14.00	113.59	10,160.34	11,580.19	23.75
Ayeyarwady							
Number of the Parcels under Industrial Permanent Crops and Industrialized Crops	-	81	46	-	967	342	16
Area of Compact Plantation (acre)	-	50.72	12.47	-	2,505.48	1,642.61	20.03

Source: MCA 2010 Supplementary Module, SLRD

**Table A-32. Number of Parcels under Other Domestic Plants and Area of Compact Plantation Reported from the Household Crop Holdings during the past 12 months, by Kind of Other Domestic Plants, by Region/State, RoUM: 2010**

Region/State	Kind of Other Domestic Plants				
	Dhani	Thabau	Thin	Spear grass	Fodder
Union of Myanmar					
Number of the Parcels under Other Domestic Plants	30,510	3	3,001	1,748	7,789
Area of Compact Plantation (acre)	45,853.37	6.00	6,897.15	3,813.17	15,033.31
Kachin					
Number of the Parcels under Other Domestic Plants	-	-	6	245	*
Area of Compact Plantation (acre)	-	-	190.00	1,109.27	40.00
Kayin					
Number of the Parcels under Other Domestic Plants	6	*	-	*	-
Area of Compact Plantation (acre)	8.00	2.00	-	1.00	-
Sagaing					
Number of the Parcels under Other Domestic Plants	-	-	-	283	16
Area of Compact Plantation (acre)	-	-	-	1,157.07	4.04
Tanintharyi					
Number of the Parcels under Other Domestic Plants	1,667	*	32	3	47
Area of Compact Plantation (acre)	4,192.39	3.00	66.28	10.00	84.65
Bago East					
Number of the Parcels under Other Domestic Plants	-	-	15	-	-
Area of Compact Plantation (acre)	-	-	75.59	-	-
Magway					
Number of the Parcels under Other Domestic Plants	-	-	-	-	5,747
Area of Compact Plantation (acre)	-	-	-	-	11,157.63
Mandalay					
Number of the Parcels under Other Domestic Plants	15	-	-	203	958
Area of Compact Plantation (acre)	5.18	-	-	220.28	1,331.98
Mon					
Number of the Parcels under Other Domestic Plants	1,222	-	34	-	*
Area of Compact Plantation (acre)	3,423.39	-	277.75	-	10.00
Rakhine					
Number of the Parcels under Other Domestic Plants	5,271	-	15	52	2
Area of Compact Plantation (acre)	4,895.60	-	7.44	216.20	2.00
Yangon					
Number of the Parcels under Other Domestic Plants	240	-	30	-	50
Area of Compact Plantation (acre)	643.30	-	37.10	-	15.32
Shan South					
Number of the Parcels under Other Domestic Plants	-	-	-	15	-
Area of Compact Plantation (acre)	-	-	-	30.33	-
Shan North					
Number of the Parcels under Other Domestic Plants	-	-	30	-	-
Area of Compact Plantation (acre)	-	-	119.37	-	-
Shan East					
Number of the Parcels under Other Domestic Plants	-	-	-	35	42
Area of Compact Plantation (acre)	-	-	-	34.18	49.50
Ayeyarwady					
Number of the Parcels under Other Domestic Plants	22,089	*	2,840	912	925
Area of Compact Plantation (acre)	32,685.50	1.00	6,123.62	1,034.85	2,338.20

Source: MCA 2010 Supplementary Module, SLRD

**Table A-33. Number of Parcels under Other Permanent Crops and Area of Compact Plantation Reported from the Household Crop Holdings during the past 12 months, by Kind of Other Permanent Crops, by Region/State, RoUM: 2010**

Region/State	Kind of Other Permanent Crops					
	Betel nut	Betel leaf	Toddy palm	Danyin	Thanatphet	Other permanent crops
Union of Myanmar						
Number of the Parcels under Other Permanent Crops	64,835	58,716	3,524	9,900	15,879	13,025
Area of Compact Plantation (acre)	216,100.23	25,769.18	10,344.89	22,520.27	24,112.41	32,519.24
Kachin						
Number of the Parcels under Other Permanent Crops	15	-	45	4,319	-	58
Area of Compact Plantation (acre)	7.38	-	57.80	11,324.55	-	187.47
Kayah						
Number of the Parcels under Other Permanent Crops	-	-	-	16	-	-
Area of Compact Plantation (acre)	-	-	-	19.04	-	-
Kayin						
Number of the Parcels under Other Permanent Crops	1,274	1,134	4	293	-	-
Area of Compact Plantation (acre)	3,051.77	1,698.37	7.00	395.04	-	-
Chin						
Number of the Parcels under Other Permanent Crops	-	-	30	635	-	-
Area of Compact Plantation (acre)	-	-	22.38	1,266.82	-	-
Sagaing						
Number of the Parcels under Other Permanent Crops	50	2,704	78	218	16	8,991
Area of Compact Plantation (acre)	55.46	1,264.38	58.14	355.40	43.24	24,585.02
Tanintharyi						
Number of the Parcels under Other Permanent Crops	32,145	809	-	18	-	911
Area of Compact Plantation (acre)	111,261.32	761.78	-	5.56	-	775.85
Bago East						
Number of the Parcels under Other Permanent Crops	632	175	-	15	-	15
Area of Compact Plantation (acre)	2,561.15	40.13	-	38.54	-	38.54
Bago West						
Number of the Parcels under Other Permanent Crops	-	303	-	-	-	-
Area of Compact Plantation (acre)	-	161.42	-	-	-	-
Magway						
Number of the Parcels under Other Permanent Crops	-	52	144	3	-	21
Area of Compact Plantation (acre)	-	38.11	350.84	2.20	-	16.83
Mandalay						
Number of the Parcels under Other Permanent Crops	149	3,385	515	103	*	157
Area of Compact Plantation (acre)	120.52	6,062.35	3,130.18	154.19	1.00	112.16
Mon						
Number of the Parcels under Other Permanent Crops	15,386	6,154	2,552	376	2	29
Area of Compact Plantation (acre)	83,854.44	4,351.85	6,393.21	554.69	0.72	150.23
Rakhine						
Number of the Parcels under Other Permanent Crops	3,225	859	2	2,883	-	30
Area of Compact Plantation (acre)	6,253.51	123.52	2.50	7,620.48	-	37.06
Yangon						
Number of the Parcels under Other Permanent Crops	156	9,039	15	29	22	332
Area of Compact Plantation (acre)	112.75	2,337.20	30.36	2.92	2.82	170.99
Shan South						
Number of the Parcels under Other Permanent Crops	*	15	*	165	15,763	4
Area of Compact Plantation (acre)	3.00	7.73	2.00	123.14	24,057.75	3.10
Shan North						
Number of the Parcels under Other Permanent Crops	-	-	*	31	-	61
Area of Compact Plantation (acre)	-	-	1.50	81.44	-	181.82
Shan East						
Number of the Parcels under Other Permanent Crops	-	-	-	31	*	1,868
Area of Compact Plantation (acre)	-	-	-	48.23	3.00	4,595.84
Ayeyarwady						
Number of the Parcels under Other Permanent Crops	11,800	34,085	121	764	75	208
Area of Compact Plantation (acre)	8,818.94	8,922.33	228.68	528.02	3.89	247.00

Source: MCA 2010 Supplementary Module, SLRD

**Table A-34. Number of Parcels under Permanent Flower Crops and Area of Compact Plantation Reported from the Household Crop Holdings during the past 12 months, by Kind of Permanent Flower Crops, by Region/State, RoUM: 2010**

Region/State	Kind of Permanent Flower Crops		
	Roses	Jasmine	Other permanent flower crops
Union of Myanmar			
Number of the Parcels under Permanent Flower Crops	3,330	1,030	7,740
Area of Compact Plantation (acre)	2,282.36	663.58	5,622.24
Kachin			
Number of the Parcels under Permanent Flower Crops	4	35	2
Area of Compact Plantation (acre)	4.22	50.99	5.12
Kayin			
Number of the Parcels under Permanent Flower Crops	-	-	20
Area of Compact Plantation (acre)	-	-	10.62
Chin			
Number of the Parcels under Permanent Flower Crops	*	-	-
Area of Compact Plantation (acre)	0.25	-	-
Sagaing			
Number of the Parcels under Permanent Flower Crops	4	-	2,329
Area of Compact Plantation (acre)	0.95	-	909.46
Tanintharyi			
Number of the Parcels under Permanent Flower Crops	2	31	-
Area of Compact Plantation (acre)	1.20	20.49	-
Bago East			
Number of the Parcels under Permanent Flower Crops	2	4	2
Area of Compact Plantation (acre)	0.41	0.75	0.30
Bago West			
Number of the Parcels under Permanent Flower Crops	65	*	32
Area of Compact Plantation (acre)	128.47	1.00	52.49
Magway			
Number of the Parcels under Permanent Flower Crops	23	30	39
Area of Compact Plantation (acre)	10.62	10.64	5.94
Mandalay			
Number of the Parcels under Permanent Flower Crops	-	106	1,106
Area of Compact Plantation (acre)	-	70.29	1,388.68
Mon			
Number of the Parcels under Permanent Flower Crops	35	62	70
Area of Compact Plantation (acre)	49.19	93.13	67.40
Rakhine			
Number of the Parcels under Permanent Flower Crops	17	16	90
Area of Compact Plantation (acre)	1.44	1.15	13.15
Yangon			
Number of the Parcels under Permanent Flower Crops	2,697	290	3,133
Area of Compact Plantation (acre)	1,790.11	262.01	2,751.82
Shan South			
Number of the Parcels under Permanent Flower Crops	2	*	110
Area of Compact Plantation (acre)	0.75	3.00	127.00
Shan North			
Number of the Parcels under Permanent Flower Crops	16	16	123
Area of Compact Plantation (acre)	16.10	7.77	71.16
Shan East			
Number of the Parcels under Permanent Flower Crops	-	-	15
Area of Compact Plantation (acre)	-	-	15.43
Ayeyarwady			
Number of the Parcels under Permanent Flower Crops	463	440	668
Area of Compact Plantation (acre)	278.65	142.36	203.68

Source: MCS Supplementary Module, SLRD

**Table A-35. Number of Parcels under Forest Trees and Area of Compact Plantation Reported from the Household Crop Holdings during the past 12 months, by Kind of Permanent Flower Crops and Forest Trees, by Region/State, RoUM: 2010**

Region/State	Kind of Forest Trees			
	Bamboo	Firetree	Teak trees	Other forest trees
Union of Myanmar				
Number of the Parcels under Forest Trees	35,597	13,193	220	3,760
Area of Compact Plantation (acre)	113,774.45	25,461.52	1,174.52	11,998.05
Kachin				
Number of the Parcels under Forest Trees	1,472	1,645	92	1,188
Area of Compact Plantation (acre)	2,639.30	3,687.14	145.22	2,399.22
Kayin				
Number of the Parcels under Forest Trees	40	-	-	-
Area of Compact Plantation (acre)	2.21	-	-	-
Chin				
Number of the Parcels under Forest Trees	18	3	-	-
Area of Compact Plantation (acre)	18.86	2.50	-	-
Sagaing				
Number of the Parcels under Forest Trees	63	2	-	16
Area of Compact Plantation (acre)	103.88	7.16	-	7.00
Tanintharyi				
Number of the Parcels under Forest Trees	*	2	15	18
Area of Compact Plantation (acre)	1.00	7.00	148.28	452.83
Bago East				
Number of the Parcels under Forest Trees	*	19	3	*
Area of Compact Plantation (acre)	3.00	142.69	528.00	15.00
Bago West				
Number of the Parcels under Forest Trees	15	15	-	*
Area of Compact Plantation (acre)	0.44	0.30	-	1.50
Mandalay				
Number of the Parcels under Forest Trees	-	123	-	34
Area of Compact Plantation (acre)	-	235.89	-	9.49
Mon				
Number of the Parcels under Forest Trees	2,220	248	*	2,040
Area of Compact Plantation (acre)	6,883.04	898.99	200.00	7,770.13
Rakhine				
Number of the Parcels under Forest Trees	159	66	30	20
Area of Compact Plantation (acre)	413.89	179.23	59.49	58.30
Yangon				
Number of the Parcels under Forest Trees	14,096	1,481	32	15
Area of Compact Plantation (acre)	58,895.46	2,325.72	59.03	14.97
Shan South				
Number of the Parcels under Forest Trees	-	47	-	2
Area of Compact Plantation (acre)	-	30.46	-	8.00
Shan North				
Number of the Parcels under Forest Trees	181	767	*	17
Area of Compact Plantation (acre)	109.52	1,247.48	2.00	203.50
Shan East				
Number of the Parcels under Forest Trees	14	529	*	166
Area of Compact Plantation (acre)	26.87	620.67	5.00	236.06
Ayeyarwady				
Number of the Parcels under Forest Trees	17,316	8,247	46	243
Area of Compact Plantation (acre)	44,676.97	16,076.30	27.51	822.05

Source: MCA 2010 Supplementary Module, SLRD



**Table A-36a. Number of Parcels with Scattered Productive Citrus Fruit Trees and Number of Scattered Productive Citrus Fruit Trees**  
Reported from the Household Crop Holdings during the past 12 months, by Kind of Citrus Fruit Trees, by Region/State, RoUM: 2010

Region/State	Kind of Citrus Fruit Trees				
	Orange	Shaddock	Lemon	Lime	Other citrus fruits
Union of Myanmar					
Number of the Parcels with Scattered Productive Citrus Fruit Trees	448	4,201	7,257	9,265	347
Number of Scattered Productive Citrus Fruit Trees	6,025	38,750	39,265	128,950	3,912
Kachin					
Number of the Parcels with Scattered Productive Citrus Fruit Trees	46	35	31	67	54
Number of Scattered Productive Citrus Fruit Trees	1,826	824	182	825	513
Kayin					
Number of the Parcels with Scattered Productive Citrus Fruit Trees	-	50	20	20	-
Number of Scattered Productive Citrus Fruit Trees	-	1,255	40	80	-
Chin					
Number of the Parcels with Scattered Productive Citrus Fruit Trees	243	16	161	312	15
Number of Scattered Productive Citrus Fruit Trees	3,087	945	1,490	5,057	146
Sagaing					
Number of the Parcels with Scattered Productive Citrus Fruit Trees	-	-	111	120	16
Number of Scattered Productive Citrus Fruit Trees	-	-	257	468	17
Tanintharyi					
Number of the Parcels with Scattered Productive Citrus Fruit Trees	-	652	1,567	1,564	*
Number of Scattered Productive Citrus Fruit Trees	-	4,160	8,023	12,007	22
Bago East					
Number of the Parcels with Scattered Productive Citrus Fruit Trees	-	3	2	-	-
Number of Scattered Productive Citrus Fruit Trees	-	35	120	-	-
Bago West					
Number of the Parcels with Scattered Productive Citrus Fruit Trees	-	-	*	107	-
Number of Scattered Productive Citrus Fruit Trees	-	-	5	1,451	-
Magway					
Number of the Parcels with Scattered Productive Citrus Fruit Trees	15	-	447	118	15
Number of Scattered Productive Citrus Fruit Trees	341	-	998	382	15
Mandalay					
Number of the Parcels with Scattered Productive Citrus Fruit Trees	19	32	62	190	-
Number of Scattered Productive Citrus Fruit Trees	81	157	188	22,899	-
Mon					
Number of the Parcels with Scattered Productive Citrus Fruit Trees	79	3,141	2,709	3,693	244
Number of Scattered Productive Citrus Fruit Trees	406	28,723	9,676	63,366	3,105
Rakhine					
Number of the Parcels with Scattered Productive Citrus Fruit Trees	16	-	153	2	*
Number of Scattered Productive Citrus Fruit Trees	85	-	594	101	6
Yangon					
Number of the Parcels with Scattered Productive Citrus Fruit Trees	*	106	15	103	-
Number of Scattered Productive Citrus Fruit Trees	100	1,708	603	1,333	-
Shan South					
Number of the Parcels with Scattered Productive Citrus Fruit Trees	*	-	31	*	-
Number of Scattered Productive Citrus Fruit Trees	*	-	106	5	-
Shan North					
Number of the Parcels with Scattered Productive Citrus Fruit Trees	*	-	-	2	2
Number of Scattered Productive Citrus Fruit Trees	50	-	-	330	87
Shan East					
Number of the Parcels with Scattered Productive Citrus Fruit Trees	*	*	*	*	-
Number of Scattered Productive Citrus Fruit Trees	10	6	6	3	-
Ayeyarwady					
Number of the Parcels with Scattered Productive Citrus Fruit Trees	27	164	1,945	2,965	-
Number of Scattered Productive Citrus Fruit Trees	38	936	16,975	20,643	-

Source: MCA 2010 Supplementary Module, SLRD



**Table A-36b. Number of Parcels with Scattered Productive Pome Fruit Trees and Number of Scattered Productive Pome Fruit Trees Reported from the Household Crop Holdings during the past 12 months, by Kind of Pome Fruit Trees, by Region/State, RoUM: 2010**

Region/State	Kind of Pome Fruit Trees		
	Apple	Pear	Other pome fruits
Union of Myanmar			
Number of the Parcels with Scattered Productive Pome Fruit Trees	374	204	349
Number of Scattered Productive Pome Fruit Trees	12,240	2,088	13,301
Kachin			
Number of the Parcels with Scattered Productive Pome Fruit Trees	16	-	32
Number of Scattered Productive Pome Fruit Trees	47	-	5,092
Kayin			
Number of the Parcels with Scattered Productive Pome Fruit Trees	-	-	*
Number of Scattered Productive Pome Fruit Trees	-	-	2
Chin			
Number of the Parcels with Scattered Productive Pome Fruit Trees	15	49	-
Number of Scattered Productive Pome Fruit Trees	307	445	-
Sagaing			
Number of the Parcels with Scattered Productive Pome Fruit Trees	15	-	-
Number of Scattered Productive Pome Fruit Trees	219	-	-
Tanintharyi			
Number of the Parcels with Scattered Productive Pome Fruit Trees	32	31	3
Number of Scattered Productive Pome Fruit Trees	1,088	31	17
Bago West			
Number of the Parcels with Scattered Productive Pome Fruit Trees	-	30	-
Number of Scattered Productive Pome Fruit Trees	-	1,155	-
Magway			
Number of the Parcels with Scattered Productive Pome Fruit Trees	16	30	15
Number of Scattered Productive Pome Fruit Trees	134	89	177
Mandalay			
Number of the Parcels with Scattered Productive Pome Fruit Trees	89	32	15
Number of Scattered Productive Pome Fruit Trees	400	81	167
Mon			
Number of the Parcels with Scattered Productive Pome Fruit Trees	31	30	37
Number of Scattered Productive Pome Fruit Trees	945	255	1,559
Yangon			
Number of the Parcels with Scattered Productive Pome Fruit Trees	-	-	*
Number of Scattered Productive Pome Fruit Trees	-	-	50
Shan North			
Number of the Parcels with Scattered Productive Pome Fruit Trees	-	2	3
Number of Scattered Productive Pome Fruit Trees	-	32	58
Ayeyarwady			
Number of the Parcels with Scattered Productive Pome Fruit Trees	162	-	242
Number of Scattered Productive Pome Fruit Trees	9,099	-	6,179

Source: MCA 2010 Supplementary Module, SLRD

Table A-36c. Number of Parcels with Scattered Productive Stone Fruit Trees and Number of Scattered Productive Stone Fruit Trees Reported from the Household Crop Holdings during the past 12 months, by Kind of Stone Fruit Trees, by Region/State, RoUM: 2010

Region/State	Kind of Stone Fruit Trees						
	Peaches	Plum	Marian	Tamarind	Other stone fruits	Grapes	Strawberry
Union of Myanmar							
Number of the Parcels with Scattered Productive Stone Fruit Trees	242	72,276	10,163	17,001	297	200	17
Number of Scattered Productive Stone Fruit Trees	2,119	505,865	67,453	52,353	1,621	2,367	71
Kachin							
Number of the Parcels with Scattered Productive Stone Fruit Trees	-	2	-	*	-	-	-
Number of Scattered Productive Stone Fruit Trees	-	15	-	10	-	-	-
Kayah							
Number of the Parcels with Scattered Productive Stone Fruit Trees	-	-	-	15	-	-	-
Number of Scattered Productive Stone Fruit Trees	-	-	-	44	-	-	-
Kayin							
Number of the Parcels with Scattered Productive Stone Fruit Trees	-	-	252	23	-	-	-
Number of Scattered Productive Stone Fruit Trees	-	-	609	47	-	-	-
Chin							
Number of the Parcels with Scattered Productive Stone Fruit Trees	17	-	-	*	-	45	-
Number of Scattered Productive Stone Fruit Trees	75	-	-	20	-	135	-
Sagaing							
Number of the Parcels with Scattered Productive Stone Fruit Trees	-	1,999	91	200	-	*	-
Number of Scattered Productive Stone Fruit Trees	-	84,208	953	998	-	2	-
Tanintharyi							
Number of the Parcels with Scattered Productive Stone Fruit Trees	30	3	976	680	15	-	-
Number of Scattered Productive Stone Fruit Trees	119	117	5,606	3,042	75	-	-
Bago East							
Number of the Parcels with Scattered Productive Stone Fruit Trees	-	17	471	15	-	-	-
Number of Scattered Productive Stone Fruit Trees	-	52	19,538	77	-	-	-
Bago West							
Number of the Parcels with Scattered Productive Stone Fruit Trees	-	285	-	15	-	-	-
Number of Scattered Productive Stone Fruit Trees	-	2,805	-	30	-	-	-
Magway							
Number of the Parcels with Scattered Productive Stone Fruit Trees	49	17,254	16	3,066	16	-	*
Number of Scattered Productive Stone Fruit Trees	86	117,946	18	8,004	20	-	10
Mandalay							
Number of the Parcels with Scattered Productive Stone Fruit Trees	55	51,455	111	8,994	*	61	16
Number of Scattered Productive Stone Fruit Trees	933	294,675	498	30,033	50	1,087	61
Mon							
Number of the Parcels with Scattered Productive Stone Fruit Trees	32	128	6,594	143	201	17	-
Number of Scattered Productive Stone Fruit Trees	294	158	32,517	732	1,075	74	-
Rakhine							
Number of the Parcels with Scattered Productive Stone Fruit Trees	-	*	179	790	-	-	-
Number of Scattered Productive Stone Fruit Trees	-	8	1,115	1,371	-	-	-
Yangon							
Number of the Parcels with Scattered Productive Stone Fruit Trees	-	107	15	286	-	-	-
Number of Scattered Productive Stone Fruit Trees	-	168	30	451	-	-	-
Shan South							
Number of the Parcels with Scattered Productive Stone Fruit Trees	-	20	-	4	-	-	-
Number of Scattered Productive Stone Fruit Trees	-	40	-	6	-	-	-
Shan North							
Number of the Parcels with Scattered Productive Stone Fruit Trees	-	-	-	-	2	-	-
Number of Scattered Productive Stone Fruit Trees	-	-	-	-	15	-	-
Shan East							
Number of the Parcels with Scattered Productive Stone Fruit Trees	-	-	-	-	*	-	-
Number of Scattered Productive Stone Fruit Trees	-	-	-	-	80	-	-
Ayeyarwady							
Number of the Parcels with Scattered Productive Stone Fruit Trees	59	1,005	1,458	2,599	61	76	-
Number of Scattered Productive Stone Fruit Trees	612	5,672	6,589	7,489	306	1,069	-

Source: MCA 2010 Supplementary Module, SURD

Table A-37. Number of Parcels with Scattered Productive Other Cultivated Fruit Trees and Number of Scattered Productive Other Cultivated Fruit Trees Reported from the Household Crop Holdings during the past 12 months, by Kind of Other Cultivated Fruit Trees, by Region/State, RoUM: 2010

Region/State	Kind of Other Cultivated Fruit Trees											Other Other Cultivated Fruits
	Banana	Custard Apple	Guava	Mango	Papaya	Pineapple	Jackfruit	Lychee	Durian	Rambutan	Avocado	Mangosteen
Union of Myanmar												
Number of the Parcels with Scattered Productive Other Cultivated Fruit Trees	67,327	2,184	13,535	107,162	6,941	8,733	20,765	92	12,200	3,577	543	4,672
Number of Scattered Productive Other Cultivated Fruit Trees	2,471,952	44,272	121,488	966,858	56,818	10,642,591	142,903	5,542	150,867	38,195	5,378	55,968
Kachin												
Number of the Parcels with Scattered Productive Other Cultivated Fruit Trees	187	-	51	250	3	47	36	19	-	23	-	36
Number of Scattered Productive Other Cultivated Fruit Trees	11,457	-	298	4,159	22	11,446	94	142	-	419	-	129
Kayah												
Number of the Parcels with Scattered Productive Other Cultivated Fruit Trees	2	-	-	48	-	-	30	-	-	-	-	-
Number of Scattered Productive Other Cultivated Fruit Trees	11	-	2	150	-	-	75	20	-	-	4	-
Kayn												
Number of the Parcels with Scattered Productive Other Cultivated Fruit Trees	245	-	-	890	-	3	506	20	-	20	-	20
Number of Scattered Productive Other Cultivated Fruit Trees	3,958	-	-	5,432	-	1,028	1,314	20	-	402	10	60
Chin												
Number of the Parcels with Scattered Productive Other Cultivated Fruit Trees	286	15	7	230	77	56	65	-	-	-	397	-
Number of Scattered Productive Other Cultivated Fruit Trees	10,950	145	87	2,870	1,937	8,464	160	-	-	-	2,984	-
Sagaing												
Number of the Parcels with Scattered Productive Other Cultivated Fruit Trees	583	124	95	1,742	77	4	382	-	31	-	-	15
Number of Scattered Productive Other Cultivated Fruit Trees	10,761	1,175	469	12,885	867	89	1,364	-	772	-	-	154
Tanintharyi												
Number of the Parcels with Scattered Productive Other Cultivated Fruit Trees	3,478	78	724	8,248	976	2,452	4,520	-	3,457	651	75	717
Number of Scattered Productive Other Cultivated Fruit Trees	272,169	443	3,277	94,242	7,777	680,846	50,434	20	63,225	5,429	1,592	6,683
Bago East												
Number of the Parcels with Scattered Productive Other Cultivated Fruit Trees	80	-	2	453	18	299	348	-	31	-	-	4
Number of Scattered Productive Other Cultivated Fruit Trees	8,335	-	14	47,821	70	8,254,160	6,307	-	140	-	-	77
Bago West												
Number of the Parcels with Scattered Productive Other Cultivated Fruit Trees	178	61	17	574	-	-	-	-	-	-	-	-
Number of Scattered Productive Other Cultivated Fruit Trees	2,480	5,679	551	6,352	-	-	-	-	-	-	-	-
Magway												
Number of the Parcels with Scattered Productive Other Cultivated Fruit Trees	2,309	314	366	12,899	528	18	743	-	-	-	-	32
Number of Scattered Productive Other Cultivated Fruit Trees	49,387	1,640	1,394	34,761	1,574	146	1,042	-	-	-	-	36
Mandalay												
Number of the Parcels with Scattered Productive Other Cultivated Fruit Trees	1,255	871	250	10,482	223	-	398	-	-	-	-	16
Number of Scattered Productive Other Cultivated Fruit Trees	178,425	31,311	862	96,194	965	15	2,516	-	-	-	-	231
Mon												
Number of the Parcels with Scattered Productive Other Cultivated Fruit Trees	10,542	31	1,130	11,872	1,301	3,663	6,850	15	8,402	2,883	32	440
Number of Scattered Productive Other Cultivated Fruit Trees	208,203	34	7,052	70,210	8,143	142,194	29,921	600	93,451	31,945	203	48,507
Rakhine												
Number of the Parcels with Scattered Productive Other Cultivated Fruit Trees	449	-	74	1,158	47	240	418	-	-	-	-	-
Number of Scattered Productive Other Cultivated Fruit Trees	51,115	-	977	6,131	111	9,349	6,280	7	-	-	-	-
Yangon												
Number of the Parcels with Scattered Productive Other Cultivated Fruit Trees	2,212	14	332	2,419	16	78	245	-	-	-	-	32
Number of Scattered Productive Other Cultivated Fruit Trees	19,021	434	17,783	12,533	215	343,090	3,657	-	-	-	-	365
Shan South												
Number of the Parcels with Scattered Productive Other Cultivated Fruit Trees	38	15	16	182	-	-	3	-	-	-	-	-
Number of Scattered Productive Other Cultivated Fruit Trees	1,423	101	17	1,216	3	-	6	5	-	-	-	-
Shan North												
Number of the Parcels with Scattered Productive Other Cultivated Fruit Trees	2	-	-	-	-	-	2	2	-	-	2	16
Number of Scattered Productive Other Cultivated Fruit Trees	150	-	17	1,000	-	-	22	1,003	-	-	23	23
Shan East												
Number of the Parcels with Scattered Productive Other Cultivated Fruit Trees	-	-	-	2	-	-	-	-	-	-	-	-
Number of Scattered Productive Other Cultivated Fruit Trees	20	5	-	30	-	-	10	4	-	-	-	-
Ayeyarwady												
Number of the Parcels with Scattered Productive Other Cultivated Fruit Trees	45,479	860	10,470	55,717	3,676	1,872	6,207	30	280	-	35	78
Number of Scattered Productive Other Cultivated Fruit Trees	1,644,197	3,305	88,688	670,864	35,134	191,744	39,682	3,720	3,278	-	552	1,768

Source: MCA 2010 Supplementary Module, SLMD

**Table A-38. Number of Parcels with Scattered Productive Edible Nut Trees and Oil Crops and Number of Scattered Productive Edible Nut Trees and Oil Crops Reported from the Household Crop Holdings during the past 12 months, by Kind of Edible Nut Trees and Oil Crops, by Region/State, RoUM: 2010**

Region/State	Kind of Edible Nut Trees				Kind of Oil Crops			
	Cashew	Chest nut	Walnut	Macadamia	Other edible nuts	Coconut	Palm	Other oil crops
Union of Myanmar	13,209	5	64	17	317	91,462	440	225
	1,000,090	190	296	196	5,321	1,554,641	5,388	9,714
Kachin								
Number of the Parcels with Scattered Productive Edible Nut Trees and Oil Crops	-	-	-	-	-	5	-	-
Number of Scattered Productive Edible Nut Trees and Oil Crops	-	-	-	-	-	225	-	-
Kayah								
Number of the Parcels with Scattered Productive Edible Nut Trees and Oil Crops	62	-	-	-	-	559	40	-
Number of Scattered Productive Edible Nut Trees and Oil Crops	889	-	-	-	-	2,593	80	-
Chin								
Number of the Parcels with Scattered Productive Edible Nut Trees and Oil Crops	15	*	*	-	15	-	-	-
Number of Scattered Productive Edible Nut Trees and Oil Crops	2,910	3	3	-	45	-	-	-
Sagaing								
Number of the Parcels with Scattered Productive Edible Nut Trees and Oil Crops	-	-	*	-	45	112	*	-
Number of Scattered Productive Edible Nut Trees and Oil Crops	-	-	2	-	905	1,019	53	-
Tanintharyi								
Number of the Parcels with Scattered Productive Edible Nut Trees and Oil Crops	4,912	-	*	-	21	8,751	111	31
Number of Scattered Productive Edible Nut Trees and Oil Crops	543,611	-	10	-	126	180,283	1,327	78
Bago East								
Number of the Parcels with Scattered Productive Edible Nut Trees and Oil Crops	20	-	-	16	125	65	-	*
Number of Scattered Productive Edible Nut Trees and Oil Crops	1,005	-	-	156	1,621	349	-	5
Magway								
Number of the Parcels with Scattered Productive Edible Nut Trees and Oil Crops	16	-	-	-	78	272	-	117
Number of Scattered Productive Edible Nut Trees and Oil Crops	1,433	-	-	-	1,571	1,332	-	4,158
Mandalay								
Number of the Parcels with Scattered Productive Edible Nut Trees and Oil Crops	466	-	-	-	-	378	*	15
Number of Scattered Productive Edible Nut Trees and Oil Crops	23,471	-	-	-	-	5,638	35	179
Mon								
Number of the Parcels with Scattered Productive Edible Nut Trees and Oil Crops	1,386	2	45	-	*	12,987	16	31
Number of Scattered Productive Edible Nut Trees and Oil Crops	12,870	17	250	-	3	150,319	31	168
Rakhine								
Number of the Parcels with Scattered Productive Edible Nut Trees and Oil Crops	213	-	-	-	-	1,620	15	-
Number of Scattered Productive Edible Nut Trees and Oil Crops	7,723	-	-	-	-	88,782	149	-
Yangon								
Number of the Parcels with Scattered Productive Edible Nut Trees and Oil Crops	136	-	-	-	-	1,707	-	-
Number of Scattered Productive Edible Nut Trees and Oil Crops	3,123	-	-	-	-	4,074	-	135
Shan North								
Number of the Parcels with Scattered Productive Edible Nut Trees and Oil Crops	-	2	-	*	-	-	-	*
Number of Scattered Productive Edible Nut Trees and Oil Crops	-	170	-	40	-	-	-	300
Ayeyarwady								
Number of the Parcels with Scattered Productive Edible Nut Trees and Oil Crops	5,983	-	15	-	31	65,006	256	30
Number of Scattered Productive Edible Nut Trees and Oil Crops	403,054	-	31	-	1,050	1,120,027	3,712	4,691

Source: MCA 2010 Supplementary Module, SLRD



**Table A-39. Number of Parcels with Scattered Productive Industrial Permanent Crops and Number of Scattered Productive Industrial Permanent Crops and Industrialized Crops**  
Reported from the Household Crop Holdings during the past 12 months, by Kind of Industrial Permanent Crops and Industrialized Crops, by Region/State, RoUM: 2010

Region/State	Kind of Industrial Permanent Crops				Kind of Industrialized Crops		
	Tea	Coffee	Cocoa	Other industrial permanent crops	Rubber (local)	Rubber (HYV)	Other industrialized crops
Union of Myanmar							
Number of the Parcels with Scattered Productive Industrial Permanent Crops and Industrialized Crops	612	279	351	16	3,855	490	12,203
Number of Scattered Productive Industrial Permanent Crops and Industrialized Crops	85,407	30,192	12,730	766	1,322,598	207,924	762,166
Kachin							
Number of the Parcels with Scattered Productive Industrial Permanent Crops and Industrialized Crops	191	-	-	-	*	-	-
Number of Scattered Productive Industrial Permanent Crops and Industrialized Crops	12,670	-	-	-	50	-	-
Kayah							
Number of the Parcels with Scattered Productive Industrial Permanent Crops and Industrialized Crops	-	*	*	-	-	3	-
Number of Scattered Productive Industrial Permanent Crops and Industrialized Crops	-	50	2	-	-	3,650	-
Chin							
Number of the Parcels with Scattered Productive Industrial Permanent Crops and Industrialized Crops	22	105	-	-	-	-	-
Number of Scattered Productive Industrial Permanent Crops and Industrialized Crops	14,727	13,175	-	-	-	-	-
Sagaing							
Number of the Parcels with Scattered Productive Industrial Permanent Crops and Industrialized Crops	*	-	30	-	-	16	-
Number of Scattered Productive Industrial Permanent Crops and Industrialized Crops	20	-	148	-	-	400	-
Tanintharyi							
Number of the Parcels with Scattered Productive Industrial Permanent Crops and Industrialized Crops	-	2	-	-	3,367	255	-
Number of Scattered Productive Industrial Permanent Crops and Industrialized Crops	-	2,200	-	-	1,244,618	178,001	-
Bago East							
Number of the Parcels with Scattered Productive Industrial Permanent Crops and Industrialized Crops	-	-	-	-	*	*	-
Number of Scattered Productive Industrial Permanent Crops and Industrialized Crops	-	-	-	-	13,200	1,000	-
Magway							
Number of the Parcels with Scattered Productive Industrial Permanent Crops and Industrialized Crops	-	-	93	-	-	-	12,104
Number of Scattered Productive Industrial Permanent Crops and Industrialized Crops	-	-	2,915	-	-	-	759,769
Mandalay							
Number of the Parcels with Scattered Productive Industrial Permanent Crops and Industrialized Crops	15	-	3	15	33	-	17
Number of Scattered Productive Industrial Permanent Crops and Industrialized Crops	4,511	-	35	761	340	-	386
Mon							
Number of the Parcels with Scattered Productive Industrial Permanent Crops and Industrialized Crops	230	16	45	*	304	81	-
Number of Scattered Productive Industrial Permanent Crops and Industrialized Crops	31,400	585	1,181	5	50,820	8,133	-
Rakhine							
Number of the Parcels with Scattered Productive Industrial Permanent Crops and Industrialized Crops	-	-	15	-	30	16	-
Number of Scattered Productive Industrial Permanent Crops and Industrialized Crops	-	-	2,196	-	7,336	4,467	-
Shan South							
Number of the Parcels with Scattered Productive Industrial Permanent Crops and Industrialized Crops	106	50	-	-	-	-	18
Number of Scattered Productive Industrial Permanent Crops and Industrialized Crops	21,507	11,997	-	-	-	-	1,579
Shan North							
Number of the Parcels with Scattered Productive Industrial Permanent Crops and Industrialized Crops	32	-	-	-	-	16	-
Number of Scattered Productive Industrial Permanent Crops and Industrialized Crops	142	-	-	-	-	6,046	-
Shan East							
Number of the Parcels with Scattered Productive Industrial Permanent Crops and Industrialized Crops	-	-	-	-	-	-	*
Number of Scattered Productive Industrial Permanent Crops and Industrialized Crops	-	-	-	-	-	-	10
Ayeyarwady							
Number of the Parcels with Scattered Productive Industrial Permanent Crops and Industrialized Crops	14	105	165	-	119	102	63
Number of Scattered Productive Industrial Permanent Crops and Industrialized Crops	429	2,185	6,254	-	6,234	6,228	423

Source: MCA 2010 Supplementary Module, SLRD

**Table A-40a. Number of Parcels with Scattered Other Domestic Plants and Number of Scattered Other Domestic Reported from the Household Crop Holdings during the past 12 months, by Kind of Other Domestic Plants, by Region/State, RoUM: 2010**

Region/State	Kind of Other Domestic Plants				
	Dhani	Thabau	Thin	Spear grass	Fodder
Union of Myanmar					
Number of the Parcels with Scattered Productive Other Domestic Plants	1,205	15	215	31	233
Number of Scattered Productive Other Domestic Plants	185,068	15	168,128	6,237	29,006
Tanintharyi					
Number of the Parcels with Scattered Productive Other Domestic Plants	64	-	30	31	-
Number of Scattered Productive Other Domestic Plants	12,739	-	818	6,237	-
Magway					
Number of the Parcels with Scattered Productive Other Domestic Plants	-	-	-	-	75
Number of Scattered Productive Other Domestic Plants	-	-	-	-	8,291
Mandalay					
Number of the Parcels with Scattered Productive Other Domestic Plants	-	-	18	-	5
Number of Scattered Productive Other Domestic Plants	-	-	294	-	21
Mon					
Number of the Parcels with Scattered Productive Other Domestic Plants	-	-	21	-	15
Number of Scattered Productive Other Domestic Plants	-	-	1,333	-	76
Rakhine					
Number of the Parcels with Scattered Productive Other Domestic Plants	34	-	-	-	-
Number of Scattered Productive Other Domestic Plants	10,849	-	-	-	-
Yangon					
Number of the Parcels with Scattered Productive Other Domestic Plants	18	-	15	-	-
Number of Scattered Productive Other Domestic Plants	826	-	595	-	-
Ayeyarwady					
Number of the Parcels with Scattered Productive Other Domestic Plants	1,090	15	133	-	137
Number of Scattered Productive Other Domestic Plants	160,654	15	165,098	-	20,618

Source: MCA 2010 Supplementary Module, SLRD

**Table A-40b. Number of Parcels with Scattered Other Permanent Crops and Number of Scattered Other Permanent Crops Reported from the Household Crop Holdings during the past 12 months, by Kind of Other Permanent Crops, by Region/State, RoUM: 2010**

Region/State	Kind of Other Permanent Crops					
	Betel nut	Betel leaf	Toddy palm	Danyin	Thanatphet	Other permanent crops
Union of Myanmar						
Number of the Parcels with Scattered Productive Other Permanent Crops	69,785	4,717	101,378	13,940	31	1,832
Number of Scattered Productive Other Permanent Crops	6,249,442	4,701,729	2,258,638	201,705	2,522	56,975
Kachin						
Number of the Parcels with Scattered Productive Other Permanent Crops	*	-	18	636	-	*
Number of Scattered Productive Other Permanent Crops	15	-	36	27,300	-	10
Kayah						
Number of the Parcels with Scattered Productive Other Permanent Crops	4	-	-	-	-	-
Number of Scattered Productive Other Permanent Crops	72	-	-	-	-	-
Kayin						
Number of the Parcels with Scattered Productive Other Permanent Crops	457	17	-	100	-	-
Number of Scattered Productive Other Permanent Crops	5,467	335	-	367	-	-
Chin						
Number of the Parcels with Scattered Productive Other Permanent Crops	-	-	-	*	-	60
Number of Scattered Productive Other Permanent Crops	-	-	-	2	-	461
Sagaing						
Number of the Parcels with Scattered Productive Other Permanent Crops	16	16	4,484	32	-	75
Number of Scattered Productive Other Permanent Crops	1,213	817	76,407	473	-	18,122
Tanintharyi						
Number of the Parcels with Scattered Productive Other Permanent Crops	12,961	828	79	1,488	-	135
Number of Scattered Productive Other Permanent Crops	4,098,854	159,355	4,353	19,788	-	1,782
Bago East						
Number of the Parcels with Scattered Productive Other Permanent Crops	78	-	3	31	-	47
Number of Scattered Productive Other Permanent Crops	11,469	-	550	2,703	-	14,280
Magway						
Number of the Parcels with Scattered Productive Other Permanent Crops	15	2	33,276	32	-	248
Number of Scattered Productive Other Permanent Crops	15	102	515,745	570	-	4,643
Mandalay						
Number of the Parcels with Scattered Productive Other Permanent Crops	100	262	62,001	109	-	595
Number of Scattered Productive Other Permanent Crops	7,349	803,073	1,613,361	3,304	-	5,922
Mon						
Number of the Parcels with Scattered Productive Other Permanent Crops	3,028	1,469	344	7,342	-	217
Number of Scattered Productive Other Permanent Crops	94,479	1,240,052	25,816	60,722	273	3,085
Rakhine						
Number of the Parcels with Scattered Productive Other Permanent Crops	623	-	-	701	-	-
Number of Scattered Productive Other Permanent Crops	19,303	-	-	16,711	-	-
Yangon						
Number of the Parcels with Scattered Productive Other Permanent Crops	91	640	106	15	-	74
Number of Scattered Productive Other Permanent Crops	5,235	1,244,526	1,061	75	-	5,144
Shan South						
Number of the Parcels with Scattered Productive Other Permanent Crops	-	-	-	2	31	-
Number of Scattered Productive Other Permanent Crops	-	-	-	56	2,248	-
Shan North						
Number of the Parcels with Scattered Productive Other Permanent Crops	-	-	-	*	-	-
Number of Scattered Productive Other Permanent Crops	-	-	-	178	-	-
Shan East						
Number of the Parcels with Scattered Productive Other Permanent Crops	-	-	-	*	-	*
Number of Scattered Productive Other Permanent Crops	-	-	-	*	-	200
Ayeyarwady						
Number of the Parcels with Scattered Productive Other Permanent Crops	52,414	1,483	1,067	3,450	-	380
Number of Scattered Productive Other Permanent Crops	2,005,970	1,253,469	21,290	69,456	-	3,326

Source: MCA 2010 Supplementary Module, SLRD



**Table A-41. Number of Parcels with Scattered Permanent Flower Crops and Forest Trees and Number of Scattered Permanent Flower Crops and Forest Trees Reported from the Household Crop Holdings during the past 12 months, by Kind of Permanent Flower Crops and Forest Trees, by Region/State, RoUM: 2010**

Region/State	Kind of Permanent Flower Crops			Kind of Forest Trees			
	Roses	Jasmine	Other permanent flower crops	Bamboo	Firetree	Teak trees	Other forest trees
Union of Myanmar							
Number of the Parcels with Scattered Productive Permanent Flower Crops and Forest Trees	64	217	593	25,752	32,969	440	2,454
Number of Scattered Productive Permanent Flower Crops and Forest Trees	3,865	15,120	372,239	4,093,832	812,509	35,098	174,600
Kachin							
Number of the Parcels with Scattered Productive Permanent Flower Crops and Forest Trees	-	-	*	539	33	320	769
Number of Scattered Productive Permanent Flower Crops and Forest Trees	-	-	60	55,778	1,050	9,411	39,400
Chin							
Number of the Parcels with Scattered Productive Permanent Flower Crops and Forest Trees	-	-	-	8	-	-	-
Number of Scattered Productive Permanent Flower Crops and Forest Trees	-	-	-	36	-	-	-
Sagaing							
Number of the Parcels with Scattered Productive Permanent Flower Crops and Forest Trees	-	-	-	2	-	-	-
Number of Scattered Productive Permanent Flower Crops and Forest Trees	-	-	-	13	-	-	-
Tanintharyi							
Number of the Parcels with Scattered Productive Permanent Flower Crops and Forest Trees	-	-	-	339	62	-	-
Number of Scattered Productive Permanent Flower Crops and Forest Trees	-	-	-	2,997	3,490	-	-
Bago East							
Number of the Parcels with Scattered Productive Permanent Flower Crops and Forest Trees	-	-	-	-	*	-	204
Number of Scattered Productive Permanent Flower Crops and Forest Trees	-	-	-	-	10	-	79,325
Bago West							
Number of the Parcels with Scattered Productive Permanent Flower Crops and Forest Trees	-	-	-	44	30	-	*
Number of Scattered Productive Permanent Flower Crops and Forest Trees	-	-	-	163	266	-	2,000
Magway							
Number of the Parcels with Scattered Productive Permanent Flower Crops and Forest Trees	3	15	16	30	808	14	15
Number of Scattered Productive Permanent Flower Crops and Forest Trees	2,410	15	191	126	3,156	69	7,738
Mandalay							
Number of the Parcels with Scattered Productive Permanent Flower Crops and Forest Trees	*	14	17	30	10,941	*	36
Number of Scattered Productive Permanent Flower Crops and Forest Trees	15	648	70	555	74,254	3	356
Mon							
Number of the Parcels with Scattered Productive Permanent Flower Crops and Forest Trees	-	17	19	2,762	356	-	263
Number of Scattered Productive Permanent Flower Crops and Forest Trees	-	621	642	192,987	7,436	-	33,367
Rakhine							
Number of the Parcels with Scattered Productive Permanent Flower Crops and Forest Trees	-	15	-	-	-	-	-
Number of Scattered Productive Permanent Flower Crops and Forest Trees	-	452	-	-	-	-	-
Yangon							
Number of the Parcels with Scattered Productive Permanent Flower Crops and Forest Trees	45	*	46	159	528	15	45
Number of Scattered Productive Permanent Flower Crops and Forest Trees	1,425	1,200	2,042	2,271	2,900	22,637	1,257
Shan South							
Number of the Parcels with Scattered Productive Permanent Flower Crops and Forest Trees	-	-	-	201	198	-	-
Number of Scattered Productive Permanent Flower Crops and Forest Trees	-	-	-	7,529	2,664	-	-
Shan North							
Number of the Parcels with Scattered Productive Permanent Flower Crops and Forest Trees	-	-	2	15	-	-	-
Number of Scattered Productive Permanent Flower Crops and Forest Trees	-	-	1,300	373	-	-	-
Ayeyawady							
Number of the Parcels with Scattered Productive Permanent Flower Crops and Forest Trees	15	155	493	22,622	20,012	90	1,106
Number of Scattered Productive Permanent Flower Crops and Forest Trees	15	12,185	367,934	3,830,007	717,282	2,978	10,027

Source: MCA 2010 Supplementary Module, SLRD

Table A-42. Number of Households Engaged in Crop Cultivation that Used any Tools/Machines/Equipment During the past 12 months, by Type of Tool/Machine/Equipment Used, by Region/State, Ref/M: 2019

Region/State	Number of Households, by Type of Tools/Machines/Equipment Used in the Household Crop Holdings																				Total Households Reporting	
	Plough	Rotary harrow	Other harrow	Intercultivator	Hoe	Sickle	Fork	Rake	Roller	Sprayer	Harvester	Thresher	Water pump	Power tiller	Huller	Tractor	Ballast cart	Trolley	Car/Motorcycle	Motorboat		Other
Union of Myanmar	3,921,119	3,777,598	1,116,068	1,007,086	4,796,239	4,421,265	3,323,421	3,477,687	1,179,939	2,479,337	30,400	728,330	556,409	708,703	681,435	120,039	2,748,156	305,167	1,160,323	62,795	455,533	4,934,701
Kachin	128,717	125,107	24,361	12,813	141,941	133,518	86,337	92,125	16,883	26,636	2,844	17,874	7,842	19,788	14,666	1,302	92,601	11,149	64,945	1,496	4,295	143,010
Kayah	16,329	14,614	595	281	31,638	28,873	356	21,663	190	10,433	18	965	1,067	5,537	168	669	12,075	4,640	13,578	27	674	32,160
Kayah	36,432	33,694	9,187	7,706	52,344	46,401	25,437	36,015	18,948	7,168	359	15,394	4,845	25,371	18,469	972	14,129	11,238	13,519	516	6,372	53,169
Chin	14,243	11,654	3,617	1,280	77,201	69,134	2,379	686	209	288	33	54	*	*	192	46	253	*	630	239	67,821	93,172
Sagay	702,370	699,110	257,033	210,165	727,792	708,159	588,534	570,088	96,091	319,292	3,593	219,627	76,442	89,475	126,174	7,612	604,464	19,468	246,413	8,464	45,447	745,530
Tanintharyi	29,256	29,199	7,028	6,465	101,439	49,746	19,208	21,240	25,815	13,877	837	28,616	2,397	23,228	14,979	4,334	6,628	25,494	32,419	942	43,307	104,945
Bago East	220,178	208,715	34,601	24,566	226,325	220,623	213,614	200,623	135,765	163,284	2,428	14,263	11,555	22,242	15,313	13,144	172,613	3,701	45,780	1,553	4,650	230,462
Bago West	267,503	263,403	54,304	35,761	273,605	265,363	233,942	235,715	169,410	203,912	1,017	34,660	16,920	18,894	56,394	2,065	208,036	6,045	64,069	306	9,028	278,430
Magway	540,667	553,033	274,061	355,531	555,921	570,563	413,788	396,784	57,696	362,462	3,527	42,940	43,662	24,763	30,712	5,696	479,714	3,726	66,549	5,129	19,800	566,665
Mandalay	648,172	646,138	282,975	268,548	702,708	681,413	610,961	543,902	39,259	466,124	5,326	62,727	74,695	36,792	20,331	4,062	554,632	15,582	179,776	1,581	14,282	724,304
Mon	89,953	96,417	6,111	7,464	165,935	195,568	77,218	110,217	87,659	31,158	359	4,221	23,718	31,355	54,705	4,331	64,199	28,311	66,943	1,045	36,481	169,151
Rakhine	260,876	203,323	45,798	28,161	274,776	269,465	256,223	211,416	21,571	21,568	172	1,163	998	1,216	21,331	2,516	30,999	5,863	3,670	2,208	10,294	265,527
Yangon	151,970	150,755	7,066	5,884	201,578	171,620	165,827	177,569	154,333	138,807	1,264	39,873	28,786	54,847	190,944	53,688	126,543	25,331	33,614	6,404	13,722	203,849
Shan South	129,540	106,300	25,496	17,013	226,301	194,566	34,881	115,608	7,304	133,512	1,027	24,072	6,108	58,459	10,494	4,266	86,574	40,197	67,065	4,052	12,567	236,417
Shan North	220,415	173,936	29,107	9,611	266,949	240,302	65,617	178,231	4,150	106,757	2,370	66,196	6,748	14,953	38,559	2,766	50,561	43,669	100,469	321	46,888	287,212
Shan East	35,362	32,224	14,380	11,211	56,837	56,347	17,759	22,703	2,346	24,833	689	2,520	1,745	33,441	6,294	752	392	9,160	40,325	433	2,102	59,727
Ayeyarwady	442,706	467,976	42,358	24,196	686,449	619,554	531,330	542,971	338,030	449,376	4,537	153,963	246,609	249,300	86,950	11,519	263,945	51,872	87,779	28,079	115,443	701,211

Source: IICA 2019 Supplementary Module SUR





**Table A-44. Number of Household Crop Holdings that Used Buildings/Structures and Number of Buildings/Structures Used during the past 12 months, whether occupied or not, by Type of Buildings/Structures Used, by Region/State, RoUM: 2010**

Region/State	Type of Agricultural Buildings/Structures in the Household Crop Holdings		
	Office	Storage	Other Buildings/Structures
Union of Myanmar			
Number of households reporting	23,551	769,295	440,823
Number of buildings/structures used	30,335	802,973	458,156
Number of buildings/structures reported occupied	23,427	766,973	434,785
Kachin			
Number of households reporting	1,766	28,117	47,061
Number of buildings/structures used	1,935	29,820	48,157
Number of buildings/structures reported occupied	1,756	28,455	45,721
Kayah			
Number of households reporting	1,266	17,103	2,229
Number of buildings/structures used	1,487	17,465	2,470
Number of buildings/structures reported occupied	1,251	17,082	2,199
Kayin			
Number of households reporting	250	3,164	6,846
Number of buildings/structures used	671	3,420	7,040
Number of buildings/structures reported occupied	250	3,105	5,777
Chin			
Number of households reporting	749	13,808	48,931
Number of buildings/structures used	809	15,534	50,700
Number of buildings/structures reported occupied	750	13,787	48,760
Sagaing			
Number of households reporting	3,188	56,202	26,938
Number of buildings/structures used	3,964	57,871	28,726
Number of buildings/structures reported occupied	3,170	55,777	26,598
Tanintharyi			
Number of households reporting	311	7,274	15,899
Number of buildings/structures used	327	8,301	17,515
Number of buildings/structures reported occupied	342	7,785	16,321
Bago East			
Number of households reporting	1,952	47,320	13,743
Number of buildings/structures used	2,839	48,578	14,116
Number of buildings/structures reported occupied	1,976	46,777	13,737
Bago West			
Number of households reporting	983	20,317	8,715
Number of buildings/structures used	1,132	20,841	9,014
Number of buildings/structures reported occupied	982	20,185	8,636
Magway			
Number of households reporting	1,338	75,416	16,571
Number of buildings/structures used	1,650	77,637	16,730
Number of buildings/structures reported occupied	1,291	75,619	15,740
Mandalay			
Number of households reporting	3,697	58,368	12,330
Number of buildings/structures used	4,260	60,675	13,139
Number of buildings/structures reported occupied	3,670	57,773	12,192
Mon			
Number of households reporting	684	75,961	13,880
Number of buildings/structures used	1,170	82,903	16,373
Number of buildings/structures reported occupied	684	75,902	13,857
Rakhine			
Number of households reporting	1,344	34,384	75,675
Number of buildings/structures used	2,631	35,134	76,840
Number of buildings/structures reported occupied	1,323	33,601	75,147
Yangon			
Number of households reporting	717	51,626	15,486
Number of buildings/structures used	740	52,753	16,206
Number of buildings/structures reported occupied	715	51,503	15,170
Shan South			
Number of households reporting	1,378	16,259	12,811
Number of buildings/structures used	1,494	17,561	13,378
Number of buildings/structures reported occupied	1,360	16,150	11,241
Shan North			
Number of households reporting	989	49,088	28,126
Number of buildings/structures used	1,292	53,277	29,212
Number of buildings/structures reported occupied	957	48,975	27,982
Shan East			
Number of households reporting	247	4,098	15,320
Number of buildings/structures used	342	4,273	15,636
Number of buildings/structures reported occupied	262	4,129	15,289
Ayeyarwady			
Number of households reporting	2,692	210,790	80,262
Number of buildings/structures used	3,592	216,930	82,904
Number of buildings/structures reported occupied	2,688	210,368	80,418

Source: MCA 2010 Supplementary Module

Table A-45. Number of Household Crop Holdings that Used Agricultural Practices during the past 12 months, by Type of Agricultural Practices, by Region/State, RoUM: 2010

Region/State	Number of Households, by Type of Agricultural Practices									
	Organic Fertilizer	Inorganic/ Chemical Fertilizer	Pesticides/ Herbicides/ Insecticides	Local Rice Seed	Rice Seed of High Yielding Varieties	Other Crop Seeds of HYV	Contour/ Terrace Farming	Weeding of Crop Fields	Building Dike to Preserve Water or Prevent Flood	
Union of Myanmar	4,415,732	3,930,370	3,286,284	2,124,670	1,862,226	1,039,713	69,909	4,420,282	469,274	
Kachin	106,629	54,689	37,035	71,203	63,739	6,719	3,071	99,614	13,013	
Kayah	21,390	27,064	20,404	13,109	11,329	9,962	308	30,705	1,619	
Kayin	49,579	34,500	11,790	27,818	20,100	3,845	588	32,976	4,242	
Chin	14,779	1,350	2,226	47,852	8,411	3,598	11,008	87,848	1,731	
Sagaing	711,798	579,131	459,478	220,511	369,541	281,694	8,104	681,378	39,836	
Tanintharyi	73,663	61,730	36,334	30,335	22,134	7,845	377	86,517	8,991	
Bago East	225,786	210,640	191,094	153,870	101,098	23,137	1,397	168,008	12,881	
Bago West	270,297	265,198	240,018	196,246	69,755	18,041	2,485	264,826	6,354	
Magway	573,633	525,221	503,314	124,600	186,388	203,978	5,811	557,091	36,441	
Mandalay	694,618	597,009	585,004	185,824	177,680	150,461	5,411	677,071	45,104	
Mon	142,108	144,554	45,469	96,123	41,150	16,163	528	159,395	39,391	
Rakhine	268,604	189,919	107,618	178,258	168,050	19,521	2,031	244,717	58,845	
Yangon	190,013	195,688	168,504	130,131	109,772	78,130	377	145,264	10,859	
Shan South	213,552	196,818	169,984	115,805	23,917	47,571	5,173	226,645	6,149	
Shan North	223,856	201,856	125,184	113,805	77,121	124,271	14,457	277,557	14,238	
Shan East	39,959	38,704	27,834	36,619	27,908	4,416	5,207	54,686	20,052	
Ayeyarwady	595,468	606,299	554,994	382,561	384,133	60,361	3,576	625,984	149,528	

Source: MCA 2010 Supplementary Module, SLRD

**Table A-46. Number of Households Engaged in Crop Cultivation that Used Rice Seeds of High Yielding Variety during the past 12 months, by Type of Rice Seeds of High Yielding Variety, by Region/State, RoUM: 2010**

Region/State	Number of Households, by Type of Rice Seeds of High Yielding Variety						Total Households Reporting
	Manawthukha	Sinae Kayi	Theehtat Yin	Yezin Lonethwe	Sin Thwe Latt	Other HYVs	
Union of Myanmar	1,050,200	154,800	386,424	45,910	268,711	486,296	1,862,209
Kachin	2,941	56,939	339	867	1,528	5,785	63,739
Kayah	2,127	199	3,632	168	224	5,481	11,329
Kayin	15,859	159	1,578	158	3,541	814	20,100
Chin	5,343	18	*	-	4	3,231	8,411
Sagaing	169,923	51,546	28,402	1,872	35,756	151,920	369,541
Tanintharyi	2,206	46	4,638	131	9,227	9,433	22,134
Bago East	82,580	1,258	10,436	4,067	35,749	13,961	101,098
Bago West	44,660	463	4,688	1,482	25,190	5,189	69,755
Magway	154,706	851	36,971	6,041	9,787	11,013	186,388
Mandalay	157,836	156	4,650	7,474	11,513	29,173	177,680
Mon	22,673	1,336	13,625	646	9,410	13,202	41,150
Rakhine	107,027	2,908	55,424	12,237	41,228	37,821	168,033
Yangon	70,369	555	15,988	1,539	14,524	46,801	109,772
Shan South	3,244	3,113	2,820	21	15	20,536	23,917
Shan North	680	8,432	274	-	16	68,321	77,121
Shan East	270	25,297	560	4	30	3,880	27,908
Ayeyarwady	207,756	1,524	202,398	9,203	70,969	59,735	384,133

Source: MCA 2010 Supplementary Module, SLRD

**Table A-47. Number of Household Engaged in Crop Cultivation that Exchanged Labor with Other Households or that Availled Agricultural Services or that Hired Outside Labor during the past 12months, by Region/State, RoUM: 2010**

Region/State	Number of Households Engaged in Crop Cultivation					
	Use of Exchanged Labor		Agricultural Services		Outside Labor	
	Households that exchanged labor with other households	Percentage to Total Number of Households with Crop Holdings/Sub-holdings	Households that availled agricultural services	Percentage to Total Number of Households with Crop Holdings/Sub-holdings	Households that hired outside labor	Percentage to Total Number of Households with Crop Holdings/Sub-holdings
Union of Myanmar	2,091,514	41.94	2,170,454	2,815,363	3,969,869	1,016,353
Kachin	53,990	37.46	24,772	17.19	94,503	65.57
Kayah	28,295	87.85	19,559	60.73	28,364	88.07
Kayin	8,694	16.19	7,237	13.48	45,745	85.18
Chin	8,717	9.20	1,703	1.80	11,900	12.56
Sagaing	472,868	63.20	472,961	63.22	613,202	81.96
Tanintharyi	9,198	7.94	10,457	9.03	53,418	46.12
Bago East	78,103	33.42	151,498	64.83	198,428	84.92
Bago West	61,937	22.11	54,870	19.59	227,866	81.36
Magway	339,162	57.39	303,847	51.41	509,114	86.15
Mandalay	366,472	50.32	266,312	36.57	654,644	89.90
Mon	7,141	165,913	42,198	130,855	138,328	34,726
Rakhine	76,120	213,494	101,644	188,048	205,483	84,368
Yangon	35,304	170,712	159,496	46,520	183,790	22,225
Shan South	146,260	90,469	49,823	186,906	180,408	56,321
Shan North	196,035	91,784	50,222	237,596	194,640	93,178
Shan East	33,981	25,845	15,771	44,056	40,782	19,044
Ayeyarwady	169,237	541,978	438,084	273,248	589,254	122,290

Source: MCA 2010 Supplementary Module, SLRD



**Table A-48. Number of Household Crop Holdings Reported during the past 12 months, by Legal Status, by Region/State, RoUM: 2010**

Region/State	Number of Households, by Legal Status of the Crop Holding		
	Single Household Holding	Joint Holding with Other Households	Total Households
Union of Myanmar	4,963,684	22,992	4,986,676
Kachin	143,557	566	144,123
Kayah	32,206	*	32,208
Kayin	53,196	506	53,702
Chin	94,588	126	94,714
Sagaing	744,699	3,469	748,168
Tanintharyi	115,395	433	115,828
Bago East	233,000	668	233,668
Bago West	278,761	1,321	280,082
Magway	587,116	3,863	590,979
Mandalay	725,680	2,548	728,228
Mon	170,736	2,318	173,054
Rakhine	288,205	1,645	289,850
Yangon	204,161	1,854	206,015
Shan South	236,245	590	236,835
Shan North	287,344	475	287,819
Shan East	59,554	274	59,828
Ayeyarwady	709,241	2,334	711,575

Source: MCA 2010 Supplementary Module, SLRD

**Table A-49. Number and Area of Homelots Reported with Agricultural Activities during the past 12 months, by Land Tenure of the Homelot, by Region/State, RoUM: 2010**

Region/State	Number of Homelots by Land Tenure				Area of Homelots by Land Tenure (acre)			
	Ownerlike	Trespassed/ Squatter	Other Types	Total Homelots	Ownerlike	Trespassed/ Squatter	Other Types	Total Homelots
Union of Myanmar	1,819,087	4,854	829	1,824,770	356,334.66	884.41	168.18	357,387.25
Kachin	67,710	97	17	67,824	23,793.92	17.34	15.52	23,826.79
Kayah	26,178	35	16	26,229	7,703.78	5.95	2.81	7,712.54
Kayin	7,173	61	-	7,234	1,706.94	1.22	-	1,708.16
Chin	38,925	31	-	38,956	5,761.10	3.57	-	5,764.67
Sagaing	132,848	528	15	133,391	28,097.52	119.22	15.07	28,231.82
Tanintharyi	30,449	102	2	30,553	5,563.35	117.84	0.13	5,681.32
Bago East	124,648	299	77	125,024	27,392.95	43.52	10.89	27,447.36
Bago West	68,030	107	-	68,137	11,501.79	9.28	-	11,511.07
Magway	193,946	190	15	194,151	28,605.77	41.06	1.22	28,648.05
Mandalay	121,655	516	136	122,307	25,266.13	80.43	52.78	25,399.33
Mon	79,245	217	90	79,552	8,584.95	19.69	3.51	8,608.15
Rakhine	148,120	280	31	148,431	15,158.29	32.26	7.61	15,198.17
Yangon	112,075	217	121	112,413	21,801.06	12.13	6.46	21,819.66
Shan South	67,871	841	31	68,743	20,164.36	134.78	11.28	20,310.42
Shan North	189,250	147	19	189,416	55,709.38	19.55	8.22	55,737.14
Shan East	9,631	-	4	9,635	4,040.23	-	0.25	4,040.48
Ayeyarwady	401,333	1,186	255	402,774	65,483.16	226.56	32.42	65,742.14

Source: MCA 2010 Supplementary Module, SLRD.

## **Livestock and/or Poultry Holdings/Sub-holdings**

**Table B-01. Number of Livestock/Poultry Holdings during the past 12 months, by Legal Status of the Livestock/Poultry Holder, by Region/State, RoUM: 2010**

Region/State	Legal Status of the Household Livestock/Poultry Holder		
	Single Household Holding	Joint Holding with Other Households	Total Household Livestock Holdings
Union of Myanmar	4,288,104	18,179	4,306,283
Kachin	136,010	547	136,557
Kayah	22,664	*	22,666
Kayin	37,057	332	37,389
Chin	85,384	124	85,508
Sagaing	722,695	3,088	725,783
Tanintharyi	45,914	64	45,978
Bago East	232,793	608	233,401
Bago West	277,821	1,208	279,029
Magway	588,619	2,896	591,515
Mandalay	667,307	2,010	669,317
Mon	100,609	1,426	102,035
Rakhine	271,982	1,545	273,527
Yangon	188,411	1,488	189,899
Shan South	103,913	314	104,227
Shan North	170,395	368	170,763
Shan East	52,543	239	52,782
Ayeyarwady	583,987	1,920	585,907

Source: MCA 2010 Supplementary Module, SLRD

**Table B-02a. Number of Household Livestock/Poultry Holdings that Kept/Bred Large Livestock as of day of visit, by Kind of Large Livestock, by Region/State, RoUM: 2010**

Region/State	Number of Households Livestock/Poultry Holdings Keeping Large Livestock as of time of visit										
	Draught cattle	Dairy cattle	Other cattle	Draught buffalo	Dairy buffalo	Other buffalo	Horse	Mule	Donkey	Other large livestock	Total
Union of Myanmar	3,220,595	100,998	194,839	435,248	3,009	4,270	12,977	1,390	195	1,327	3,678,848
Kachin	95,410	600	4,480	39,612	338	412	63	20	18	52	119,889
Kayah	13,114	50	176	623	15	58	-	-	-	29	13,489
Kayin	29,872	75	771	1,030	22	27	48	-	-	5	31,219
Chin	8,179	328	15,279	7,864	69	66	5,020	-	15	800	32,029
Sagaing	658,242	7,792	20,462	50,333	182	537	512	-	15	5	697,643
Tanintharyi	14,448	898	483	6,906	53	4	-	-	-	-	20,670
Bago East	190,519	4,269	1,139	29,393	462	*	235	-	-	193	213,943
Bago West	256,489	397	578	4,536	*	9	93	-	15	*	260,914
Magway	529,454	3,373	59,826	8,004	35	572	634	-	15	35	554,611
Mandalay	550,350	78,621	70,099	21,444	476	569	1,438	26	47	46	622,723
Mon	75,537	935	808	5,431	37	19	212	-	-	-	80,331
Rakhine	207,367	167	118	30,623	103	5	*	-	-	16	236,420
Yangon	141,303	1,255	827	8,700	409	19	441	-	15	*	149,348
Shan South	55,212	883	8,177	24,672	43	643	1,937	*	-	-	78,895
Shan North	63,237	646	4,354	101,979	330	223	1,808	1,325	57	-	143,413
Shan East	9,712	35	5,361	21,846	204	1,074	49	16	-	-	32,182
Ayeyarwady	322,150	674	1,901	72,252	230	31	486	*	-	138	391,149

Source: MCA 2010 Supplementary Module, SLRD

**Table B-02b. Number of Household Livestock/Poultry Holdings that Kept/Bred Small Livestock as of day of visit, by Kind of Small Livestock, by Region/State, RoUM: 2010**

Region/State	Number of Households Livestock/Poultry Holdings Keeping Small Livestock				
	Sheep	Goat	Pig	Other small livestock	Total
Union of Myanmar	12,990	113,536	1,304,383	25,587	1,425,768
Kachin	17	2,728	79,862	1,103	81,963
Kayah	-	509	16,892	23	17,145
Kayin	16	1,620	15,603	1,110	17,239
Chin	65	7,783	59,966	257	62,585
Sagaing	3,278	5,404	168,491	2,540	178,410
Tanintharyi	-	1,636	16,977	84	18,426
Bago East	49	1,276	103,106	2,268	104,825
Bago West	15	799	48,725	906	48,814
Magway	3,128	16,453	134,178	5,080	155,394
Mandalay	6,135	28,234	128,644	4,435	161,366
Mon	*	2,538	19,309	636	21,978
Rakhine	54	34,092	51,857	1,377	85,356
Yangon	31	4,941	51,191	110	55,695
Shan South	20	164	29,785	958	30,654
Shan North	3	582	70,769	1,402	71,521
Shan East	-	34	36,722	28	36,722
Ayeyarwady	178	4,743	272,306	3,270	277,675

Source: MCA 2010 Supplementary Module, SLRD

Table B-03. Number of Household Livestock/Poultry Holdings that Kept/Raised Poultry as of day of visit, by Kind of Poultry, by Region/State, RoUM: 2010

Region/State	Number of Household Livestock/Poultry Holdings Keeping Poultry							Total Holdings Reporting
	Native chicken	Layer chicken	Broiler chicken	Semi-broiler chicken	Duck	Quail	Other poultry	
Union of Myanmar	2,393,491	5,146	88,577	491	112,272	1,010	4,544	2,521,812
Kachin	99,937	195	1,625	21	2,194	25	20	102,182
Kayah	18,357	*	63	-	44	-	1,061	19,423
Kayin	26,444	88	22	22	640	*	84	26,705
Chin	78,565	122	137	-	76	5	15	78,837
Sagaing	287,165	846	11,484	33	930	19	305	300,037
Tanintharyi	35,065	228	3,076	18	1,315	*	293	38,662
Bago East	141,489	377	2,979	19	9,197	85	144	146,374
Bago West	168,768	93	1,327	16	2,449	16	*	170,996
Magway	269,520	1,358	56,121	126	565	34	865	327,961
Mandalay	245,210	651	4,081	55	2,161	95	473	251,583
Mon	62,203	181	355	21	5,743	7	202	63,392
Rakhine	192,023	288	2,289	32	4,982	22	34	195,627
Yangon	155,768	85	299	16	18,204	162	282	159,475
Shan South	39,654	292	763	17	364	*	30	41,003
Shan North	91,892	100	1,569	*	404	17	9	93,631
Shan East	49,268	20	1,135	-	1,479	15	23	50,776
Ayeyarwady	432,163	221	1,252	94	61,525	503	701	455,148

Source: MCA 2010 Supplementary Module, SLRD

Table B-04. Number of Fowls in the Household Livestock/Poultry Holdings as of day of visit, by Kind of Poultry, by Region/State, RoUM: 2010

Region/State	Number of Fowls, by Kind of Poultry							Other poultry
	Native chicken	Layer chicken	Broiler chicken	Semi-broiler chicken	Total Chicken	Duck	Quail	
Union of Myanmar	29,027,016	2,601,381	2,190,453	103,672	33,922,522	3,309,672	356,734	67,822
Kachin	1,229,516	62,674	79,480	2,590	1,374,260	21,092	1,399	346
Kayah	281,015	400	1,075	-	282,490	228	-	11,395
Kayin	394,293	32,510	9,864	626	437,293	18,014	6	457
Chin	780,967	1,097	1,565	-	783,629	291	18	61
Sagaing	3,219,072	440,662	244,504	368	3,904,606	29,112	22,671	2,853
Tanintharyi	445,768	125,598	72,911	1,162	645,439	10,121	23	2,446
Bago East	1,841,010	88,436	146,164	31,456	2,107,066	322,636	10,880	1,019
Bago West	1,721,268	42,860	27,118	4,636	1,795,882	33,643	19,200	25,027
Magway	2,552,118	21,679	478,017	1,103	3,052,917	5,480	6,055	10,730
Mandalay	2,485,165	627,627	490,732	7,331	3,610,855	218,781	109,827	3,277
Mon	1,070,522	132,806	183,779	1,426	1,388,533	123,347	3,421	1,357
Rakhine	2,088,340	52,127	19,190	247	2,159,904	45,404	111	345
Yangon	2,658,272	121,423	296,249	49	3,075,993	377,980	160,957	3,382
Shan South	390,202	592,247	50,232	562	1,033,243	8,851	3	107
Shan North	938,835	125,485	26,453	4,000	1,094,773	1,760	82	22
Shan East	834,325	8,547	11,409	-	854,281	15,092	30	235
Ayeyarwady	6,096,328	125,203	51,711	48,116	6,321,358	2,077,840	22,051	4,763

Source: MCA 2010 Supplementary Module, SLRD

Table B-05. Number of Livestock in the Household Livestock/Poultry Holdings as of day of visit, by Kind of livestock, by Region/State, RoUM: 2010

Region/State	Number of Large Livestock						Number of Small Livestock							
	Draught cattle	Dairy cattle	Other cattle	Draught buffalo	Dairy buffalo	Other buffalo	Horse	Mule	Donkey	Other large livestock	Sheep	Goat	Pig	Other small livestock
Union of Myanmar	10,216,226	310,726	627,010	1,480,487	11,749	12,600	28,909	2,835	379	4,242	292,594	1,083,428	2,746,826	246,052
Kachin	370,574	3,263	19,401	134,668	2,033	1,299	202	117	31	130	67	12,690	191,257	10,909
Kayah	41,440	208	1,004	2,493	-	491	-	-	-	117	-	2,627	33,315	313
Kayah	94,033	244	2,632	6,016	123	124	78	-	-	90	61	8,822	32,219	28,360
Chin	28,624	1,098	49,568	24,065	149	138	11,471	-	15	2,241	184	22,041	121,022	3,224
Sagaing	2,417,342	25,844	57,028	211,521	804	1,333	1,185	-	15	228	98,106	113,005	348,276	23,533
Tanintharyi	40,620	2,398	1,589	38,923	220	55	-	-	-	-	-	7,499	37,848	630
Bago East	596,088	12,239	2,026	102,167	1,632	5	348	-	-	706	222	6,876	221,830	18,271
Bago West	673,684	1,743	3,483	12,386	6	57	138	-	29	48	59	7,537	90,771	6,571
Magway	1,553,348	9,669	192,686	28,103	109	1,615	905	-	15	145	75,243	296,048	212,772	34,673
Mandalay	1,494,861	228,069	217,962	64,173	1,547	1,793	2,122	120	141	219	119,746	408,542	227,223	45,971
Mon	251,694	2,643	2,744	24,307	115	78	594	-	-	-	10	17,690	56,919	6,768
Rakhine	850,258	587	570	217,775	515	25	3	-	-	29	222	122,470	129,043	12,895
Yangon	467,014	6,736	2,479	34,617	1,921	53	683	-	15	30	122	27,506	127,466	1,285
Shan South	142,980	7,797	34,129	53,468	102	1,526	4,811	7	-	-	34	1,252	60,857	7,357
Shan North	192,209	5,734	20,040	242,696	1,241	726	5,544	2,486	118	-	39	3,089	211,063	11,103
Shan East	32,804	178	15,928	68,643	658	3,172	133	35	-	-	-	325	107,034	685
Ayeyarwady	988,653	2,256	3,741	214,466	559	110	692	60	-	259	479	26,409	537,891	33,504

Source: MCA 2010 Supplementary Module, SLRD

Table B-06. Number of Draught Cattle in the Household Livestock/Poultry Holdings as of day of visit, by Age and Sex of the Draught Cattle, by Region/State, RoUM: 2010

Region/State	Under 1 year			1 year - under 3 years			3 years and over			Total Draught Cattle		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Union of Myanmar	248,422	253,398	501,820	807,972	646,563	1,454,535	6,715,396	1,544,475	8,259,871	7,771,790	2,444,436	10,216,226
Kachin	9,910	12,185	22,095	27,599	27,915	55,514	220,646	72,319	292,965	258,155	112,419	370,574
Kayah	1,023	1,256	2,279	3,854	3,391	7,245	24,934	6,982	31,916	29,811	11,629	41,440
Kayin	3,162	3,356	6,518	12,076	9,374	21,450	49,699	16,366	66,065	64,937	29,086	94,033
Chin	1,891	1,821	3,712	3,263	3,380	6,643	8,539	9,730	18,269	13,693	14,931	28,624
Sagaing	62,911	71,114	134,025	183,434	199,701	383,135	1,468,096	432,086	1,900,182	1,714,441	702,901	2,417,342
Tanintharyi	1,811	1,774	3,585	4,570	4,724	9,294	19,698	8,043	27,741	26,079	14,541	40,620
Bago East	13,168	11,503	24,671	51,363	29,812	81,175	426,971	63,271	490,242	491,502	104,586	596,088
Bago West	9,930	9,039	18,969	35,909	24,257	60,166	545,854	48,695	594,549	591,693	81,991	673,684
Magway	31,447	29,089	60,536	121,865	75,656	197,521	1,119,822	175,469	1,295,291	1,273,134	280,214	1,553,348
Mandalay	36,156	31,118	67,274	112,616	76,409	189,025	1,062,530	176,032	1,238,562	1,211,302	283,559	1,494,861
Mon	7,783	6,558	14,341	23,873	16,183	40,056	156,274	41,023	197,297	187,930	63,764	251,694
Rakhine	32,477	41,718	74,195	77,112	78,452	155,564	372,559	247,940	620,499	482,148	368,110	850,258
Yangon	8,939	7,942	16,881	37,935	22,312	60,247	331,839	58,047	389,886	378,713	88,301	467,014
Shan South	3,161	2,763	5,924	11,585	8,535	20,120	96,776	20,160	116,936	111,522	31,458	142,980
Shan North	4,367	5,876	10,243	17,377	20,061	37,438	103,389	41,139	144,528	125,133	67,076	192,209
Shan East	1,380	2,321	3,701	5,683	8,040	13,723	5,878	9,502	15,380	12,941	19,863	32,804
Ayeyarwady	18,906	13,965	32,871	77,858	38,361	116,219	701,892	117,671	819,563	798,656	169,997	968,653

Source: MCA 2010 Supplementary Module, SLRD



Table B-07. Number of Dairy Cattle in the Household Livestock/Poultry Holdings as of day of visit, by Age and Sex of the Dairy Cattle, by Region/State, RoUM: 2010

Region/State	Under 1 year			1 year - under 3 years			3 years and over			Total Dairy Cattle		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Union of Myanmar	22,134	49,659	71,793	16,187	56,266	72,453	14,506	151,974	166,480	52,827	257,899	310,726
Kachin	313	421	734	246	413	659	416	1,454	1,870	975	2,288	3,263
Kayah	7	11	18	10	61	71	49	70	119	66	142	208
Kayin	25	12	37	28	61	89	12	106	118	65	179	244
Chin	62	153	215	113	234	347	91	445	536	266	832	1,098
Sagaing	2,111	3,891	6,002	1,540	4,186	5,726	2,526	11,590	14,116	6,177	19,667	25,844
Tanintharyi	209	274	483	109	559	668	243	1,004	1,247	561	1,837	2,398
Bago East	486	1,833	2,319	335	2,588	2,923	304	6,693	6,997	1,125	11,114	12,239
Bago West	80	198	278	107	312	419	115	931	1,046	302	1,441	1,743
Magway	509	790	1,299	558	2,267	2,825	1,374	4,161	5,535	2,441	7,218	9,659
Mandalay	16,739	39,518	56,257	11,180	41,009	52,189	6,275	113,378	119,653	34,194	193,905	228,099
Mon	203	344	547	338	590	928	270	898	1,168	811	1,832	2,643
Rakhine	48	50	98	33	48	81	146	262	408	227	360	587
Yangon	386	694	1,080	417	1,414	1,831	651	3,174	3,825	1,454	5,282	6,736
Shan South	483	757	1,240	646	1,291	1,937	898	3,722	4,620	2,027	5,770	7,797
Shan North	346	463	809	352	969	1,321	647	2,957	3,604	1,345	4,389	5,734
Shan East	*	16	17	37	11	48	24	89	113	62	116	178
Ayeyarwady	126	234	360	138	253	391	465	1,040	1,505	729	1,527	2,256

Source: MCA, 2010 Supplementary Module, SLRD

Table B-08. Number of Other Kind of Cattle in the Household Livestock/Poultry Holdings as of day of visit, by Age and Sex of Other Kind of Cattle, by Region/State, RoUM: 2010

Region/State	Under 1 year			1 year - under 3 years			3 years and over			Total Other Kind of Cattle		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Union of Myanmar	45,232	59,412	104,644	79,380	122,637	202,017	43,802	276,547	320,349	168,414	458,596	627,010
Kachin	1,191	1,707	2,898	2,694	3,466	6,160	1,876	8,467	10,343	5,761	13,640	19,401
Kayah	71	119	190	152	166	318	109	387	496	332	672	1,004
Kayin	138	225	363	302	625	927	501	841	1,342	941	1,891	2,832
Chin	2,929	3,692	6,621	6,657	8,323	14,980	9,343	18,624	27,967	18,929	30,639	49,568
Sagaing	3,502	5,558	9,060	7,384	11,397	18,781	2,599	26,588	29,187	13,485	43,543	57,028
Tanintharyi	50	195	245	245	344	589	115	640	755	410	1,179	1,589
Bago East	89	191	280	194	331	525	230	991	1,221	513	1,513	2,026
Bago West	221	185	406	973	719	1,692	156	1,229	1,385	1,350	2,133	3,483
Magway	14,740	18,105	32,845	25,700	37,969	63,669	8,666	87,606	96,272	49,106	143,580	192,686
Mandalay	16,969	20,270	37,239	25,123	43,220	68,343	9,753	102,627	112,380	51,845	166,117	217,962
Mon	268	341	609	302	650	952	364	819	1,183	934	1,810	2,744
Rakhine	29	34	63	91	71	162	154	191	345	274	296	570
Yangon	150	132	282	364	613	977	312	908	1,220	826	1,653	2,479
Shan South	2,311	5,444	7,755	4,281	8,001	12,282	3,597	10,495	14,092	10,189	23,940	34,129
Shan North	1,210	1,514	2,724	2,011	2,948	4,959	3,465	8,892	12,357	6,686	13,354	20,040
Shan East	1,067	1,352	2,419	2,377	3,210	5,587	2,096	5,826	7,922	5,540	10,388	15,928
Ayeyarwady	297	348	645	530	684	1,214	466	1,416	1,882	1,293	2,448	3,741

Source: MCA, 2010 Supplementary Module, SLRD

**Table B-09. Number of Draught Buffaloes in the Household Livestock/Poultry Holdings as of day of visit, by Age and Sex of Draught Buffaloes, by Region/State, RoUM: 2010**

Region/State	Under 1 year			1 year - under 3 years			3 years and over			Total Draught Buffaloes		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Union of Myanmar	47,829	60,310	108,139	130,466	146,747	277,213	590,598	504,537	1,095,135	768,893	711,594	1,480,487
Kachin	5,267	6,383	11,650	11,175	14,577	25,752	45,848	51,418	97,266	62,290	72,378	134,668
Kayah	74	186	260	428	345	773	666	794	1,460	1,168	1,325	2,493
Kayin	474	647	1,121	980	858	1,838	1,208	1,849	3,057	2,662	3,354	6,016
Chin	1,373	1,268	2,641	2,305	3,278	5,583	5,991	8,850	15,841	9,669	14,396	24,065
Sagaing	6,619	8,773	15,392	15,988	20,921	36,909	84,790	74,430	159,220	107,397	104,124	211,521
Tanintharyi	1,288	2,530	3,818	4,490	5,318	9,808	13,012	12,285	25,297	18,790	20,133	38,923
Bago East	2,700	3,321	6,021	6,468	6,680	13,148	53,570	29,428	82,998	62,738	39,429	102,167
Bago West	289	449	738	492	736	1,228	6,231	4,189	10,420	7,012	5,374	12,386
Magway	984	1,281	2,275	2,236	2,675	4,911	9,945	10,972	20,917	13,175	14,928	28,103
Mandalay	1,525	1,803	3,328	5,021	4,277	9,298	29,788	21,759	51,547	36,334	27,839	64,173
Mon	1,374	1,675	3,049	2,991	2,624	5,615	7,174	8,469	15,643	11,539	12,768	24,307
Rakhine	9,811	13,518	23,329	23,090	24,907	47,997	68,103	78,346	146,449	101,004	116,771	217,775
Yangon	1,105	2,712	3,817	2,775	3,420	6,195	12,240	13,470	25,710	16,120	18,497	34,617
Shan South	1,500	1,440	2,940	6,992	6,442	13,434	22,452	14,642	37,094	30,944	22,524	53,468
Shan North	5,342	6,488	11,830	20,497	21,158	41,655	123,757	65,454	189,211	149,596	93,100	242,696
Shan East	3,264	3,992	7,256	8,381	10,240	18,621	18,115	24,651	42,766	29,760	38,883	68,643
Ayeyarwady	4,830	4,949	9,779	16,157	18,291	34,448	87,708	82,531	170,239	108,695	105,771	214,466

Source: MCA, 2010 Supplementary Module, SLRD

**Table B-10. Number of Dairy Buffaloes in the Household Livestock/Poultry Holdings as of day of visit, by Age and Sex of the Draught Buffaloes, by Region/State, RoUM: 2010**

Region/State	Under 1 year			1 year - under 3 years			3 years and over			Total Dairy Buffaloes		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Union of Myanmar	787	919	1,706	1,053	1,623	2,676	2,555	4,812	7,367	4,395	7,354	11,749
Kachin	133	215	348	249	327	576	275	834	1,109	657	1,376	2,033
Kayah	-	-	-	15	-	15	-	-	-	15	-	15
Kayin	-	-	-	45	-	45	25	47	72	71	52	123
Chin	-	4	4	5	7	12	62	68	130	70	79	149
Sagaing	35	73	108	86	98	184	190	322	512	311	493	804
Tanintharyi	6	23	29	48	47	95	36	60	96	90	130	220
Bago East	108	137	245	133	245	378	330	679	1,009	571	1,061	1,632
Bago West	-	-	-	-	-	-	-	4	4	-	6	6
Magway	17	4	21	5	6	11	39	38	77	61	48	109
Mandalay	125	99	224	58	377	435	338	550	888	521	1,026	1,547
Mon	19	18	37	6	8	14	35	29	64	60	55	115
Rakhine	59	62	121	34	52	86	108	200	308	201	314	515
Yangon	135	160	295	165	232	397	351	878	1,229	651	1,270	1,921
Shan South	4	-	4	10	16	26	32	37	69	46	56	102
Shan North	70	44	114	80	63	143	313	671	984	463	778	1,241
Shan East	69	53	122	99	140	239	118	179	297	286	372	658
Ayeyarwady	3	21	24	15	-	16	303	216	519	321	238	559

Source: MCA, 2010 Supplementary Module, SLRD

**Table B-11. Number of Other Kind of Buffaloes in the Household Livestock/Poultry Holdings as of day of visit, by Age and Sex of the Other Kind of Buffaloes, by Region/State, RoUM: 2010**

Region/State	Under 1 year			1 year - under 3 years			3 years and over			Total Other Kind of Buffaloes		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Union of Myanmar	1,035	1,329	2,364	2,570	2,621	5,191	1,316	3,729	5,045	4,921	7,679	12,600
Kachin	161	114	275	221	256	477	65	482	547	447	852	1,299
Kayah	49	63	112	77	68	145	51	183	234	177	314	491
Kayin	6	6	12	6	58	64	*	46	64	14	110	124
Chin	*	30	32	19	33	52	*	51	54	24	114	138
Sagaing	122	120	242	462	426	888	65	138	203	649	694	1,333
Tanintharyi	*	-	*	4	16	20	7	26	33	13	42	55
Bago East	-	*	*	-	*	*	-	*	*	-	5	5
Bago West	*	6	7	12	17	29	*	20	21	14	43	57
Magway	188	227	415	505	480	985	46	169	215	739	876	1,615
Mandalay	185	310	495	490	412	902	56	340	396	731	1,062	1,793
Mon	*	-	*	7	7	14	46	15	61	56	22	78
Rakhine	-	-	-	7	12	19	*	5	6	8	17	25
Yangon	19	21	40	4	9	13	-	-	-	23	30	53
Shan South	5	91	96	312	255	567	310	553	863	627	899	1,526
Shan North	78	81	159	74	123	197	40	330	370	192	534	726
Shan East	198	213	411	355	446	801	621	1,339	1,960	1,174	1,998	3,172
Ayeyarwady	16	46	62	15	-	15	*	31	33	33	77	110

Source: MCA 2010 Supplementary Module, SLRD

**Table B-12. Number of Cattle and Buffaloes in the Household Livestock/Poultry Holdings as of day of visit, by Breed of Cattle and Buffaloes, by Region/State, RoUM: 2010**

Region/State	Breed of Cattle				Breed of Buffalo			
	Friesian	Jersey	Red Sandhi	Local	Swamp	Murrah	Total Buffaloes	Total Buffaloes
Union of Myanmar	56,950	43,191	12,994	11,240,727	1,559,853	9,153	1,569,006	1,569,006
Kachin	860	506	352	400,848	140,627	1,680	142,307	142,307
Kayah	127	59	123	43,289	3,207	-	3,207	3,207
Kayin	4,815	132	195	93,312	6,782	126	6,908	6,908
Chin	103	-	70	80,882	24,764	-	24,764	24,764
Sagaing	9,807	7,661	1,868	2,530,301	224,478	591	225,069	225,069
Tanintharyi	1,892	403	216	42,980	42,517	50	42,567	42,567
Bago East	1,986	1,281	747	610,822	105,194	1,193	106,387	106,387
Bago West	3,190	406	234	679,866	12,676	10	12,686	12,686
Magway	3,116	2,314	1,220	1,775,360	30,805	159	30,964	30,964
Mandalay	13,778	8,676	2,131	1,959,224	68,831	669	69,500	69,500
Mon	881	379	144	260,227	25,420	127	25,547	25,547
Rakhine	7,441	17,549	1,613	852,511	239,562	623	240,185	240,185
Yangon	3,207	1,220	614	476,377	36,741	1,777	38,518	38,518
Shan South	2,418	1,071	1,704	183,797	55,161	652	55,813	55,813
Shan North	570	258	612	224,395	248,423	766	249,189	249,189
Shan East	240	-	415	49,571	74,391	137	74,528	74,528
Ayeyarwady	2,519	1,276	736	976,965	220,274	593	220,867	220,867

Source: MCA 2010 Supplementary Module, SLRD



Table B-13. Number of Goats in the Household Livestock/Poultry Holdings as of day of visit, by Age and Sex of Goat, by Region/State, RoUM: 2010

Region/State	Under 2 months			2 months - under 6 months			6 months and over			Total Goats		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Union of Myanmar	56,170	80,948	137,118	114,331	184,195	298,526	173,371	474,413	647,784	343,872	739,556	1,083,428
Kachin	619	985	1,604	993	2,186	3,179	3,400	7,907	11,316	5,012	7,678	12,690
Kayah	12	11	23	890	151	1,041	1,309	254	1,563	2,211	416	2,627
Kayin	551	713	1,264	1,341	1,945	3,286	1,420	2,852	4,272	3,312	5,510	8,822
Chin	676	806	1,482	2,036	2,481	4,517	5,085	10,957	16,042	7,797	14,244	22,041
Sagaing	6,251	10,135	16,386	9,678	19,646	29,324	13,248	54,047	67,295	29,177	83,828	113,005
Tanintharyi	356	600	956	1,322	1,949	3,271	1,480	1,792	3,272	3,158	4,341	7,499
Bago East	505	464	969	1,257	1,437	2,694	1,281	1,932	3,213	3,833	5,876	9,709
Bago West	511	715	1,226	844	1,595	2,439	1,061	2,811	3,872	2,416	5,121	7,537
Magway	17,096	24,866	41,962	28,806	50,989	79,795	43,707	129,584	173,291	89,609	205,439	295,048
Mandalay	20,934	29,816	50,750	41,715	69,795	111,510	54,282	192,000	246,282	116,931	291,611	408,542
Mon	1,387	1,567	2,954	2,384	2,905	5,289	3,213	6,234	9,447	6,984	10,706	17,690
Rakhine	4,633	7,236	11,869	14,982	19,165	34,147	30,545	45,909	76,454	50,160	72,310	122,470
Yangon	1,358	1,238	2,596	3,682	4,024	7,706	7,138	10,066	17,204	12,178	15,328	27,506
Shan South	21	56	77	169	251	420	255	500	755	445	807	1,252
Shan North	242	296	538	299	454	753	727	1,071	1,798	1,268	1,821	3,089
Shan East	24	33	57	34	60	94	98	76	174	156	169	325
Ayeyarwady	994	1,411	2,405	3,899	5,162	9,061	5,122	9,821	14,943	10,015	16,394	26,409

Source: MCA 2010 Supplementary Module, SLRD

Table B-14. Number of Pigs in the Household Livestock/Poultry Holdings as of day of visit, by Age and Sex of Pigs, by Region/State, RoUM: 2010

Region/State	Under 2 months			2 months - under 6 months			6 months and over			Total Pigs		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Union of Myanmar	124,728	146,394	271,122	529,530	526,373	1,055,903	758,699	661,102	1,419,801	1,412,957	1,333,869	2,746,826
Kachin	7,362	9,657	17,019	24,766	31,386	56,152	61,321	56,765	118,086	93,449	97,808	191,257
Kayah	935	1,844	2,779	5,198	5,649	10,847	10,796	8,893	19,689	16,929	16,386	33,315
Kayin	757	1,755	2,512	6,314	7,251	13,565	7,793	8,349	16,142	14,864	17,355	32,219
Chin	5,443	6,099	11,542	15,374	14,152	29,526	40,492	39,462	79,954	61,309	59,713	121,022
Sagaing	19,077	22,100	41,177	60,451	64,887	125,338	102,592	79,169	181,761	182,120	166,156	348,276
Tanintharyi	1,593	3,729	5,322	7,217	8,801	16,018	8,028	8,480	16,508	16,838	21,010	37,848
Bago East	13,990	13,889	27,879	46,952	36,561	83,513	66,456	43,982	110,438	127,398	94,432	221,830
Bago West	3,213	3,666	6,879	21,820	23,585	45,405	23,509	14,978	38,487	48,542	42,229	90,771
Magway	11,002	12,716	23,718	42,016	39,560	81,576	68,507	38,971	107,478	121,525	91,247	212,772
Mandalay	10,200	12,958	23,158	53,742	45,996	99,738	54,600	49,727	104,327	118,542	108,681	227,223
Mon	3,668	3,928	7,596	10,496	11,386	21,882	10,471	16,970	27,441	24,635	32,284	56,919
Rakhine	6,701	7,466	14,167	24,292	24,011	48,303	34,345	32,228	66,573	65,338	63,705	129,043
Yangon	7,690	8,459	16,149	27,848	25,945	53,793	26,028	31,516	57,544	61,566	65,920	127,486
Shan South	2,595	2,799	5,394	11,534	12,796	24,330	16,309	14,824	31,133	30,438	30,419	60,857
Shan North	4,823	7,189	12,012	35,428	46,158	81,586	58,204	59,261	117,465	98,455	112,608	211,063
Shan East	3,177	3,252	6,429	20,352	18,609	38,961	29,490	32,154	61,644	53,019	54,015	107,034
Ayeyarwady	22,502	24,888	47,390	115,730	109,640	225,370	139,758	125,373	265,131	277,990	259,901	537,891

Source: MCA 2010 Supplementary Module, SLRD

**Table B-15. Number of Chickens in the Household Livestock/Poultry Holdings as of day of visit, by Kind of Chicken, by Region/State, RoUM: 2010**

Region/State	Kind of Chicken												
	Starter			Grower				Pullets					
	Layer (0-6 weeks)	Broiler (0-2 weeks)	Semi-broiler (0-4 weeks)	Total Starters	Layer (7-18 weeks)	Broiler (3-5 weeks)	Semi-broiler (5-8 weeks)	Total Growers	Layer (19 & over weeks)	Broiler (6-9 weeks)	Semi-broiler (9 & over weeks)	Total Pullets	Total Chickens
Union of Myanmar	250,767	749,062	12,023	1,011,852	482,924	998,195	21,627	1,502,746	1,845,620	411,839	70,527	2,327,986	4,842,584
Kachin	5,509	19,856	500	25,865	20,062	45,030	590	65,682	34,978	14,673	1,500	51,151	142,698
Kayah	-	470	-	470	-	-	386	-	400	219	-	619	1,475
Kayin	582	1,870	-	2,452	9,172	5,844	626	15,642	22,756	2,150	-	24,906	43,000
Chin	84	150	-	234	860	774	-	1,634	154	641	-	795	2,663
Sagaing	17,567	87,126	197	104,890	65,367	95,106	50	160,523	360,781	62,703	122	423,606	689,019
Tanintharyi	6,289	17,928	-	24,217	30,803	32,914	5	63,722	88,506	22,118	1,157	111,781	199,720
Bago East	11,850	40,734	7,610	60,194	19,289	64,290	6,046	89,625	57,297	42,054	17,800	117,151	266,970
Bago West	3,795	9,413	-	13,208	7,050	10,849	2,218	20,117	32,015	6,855	2,420	41,290	74,615
Magway	2,131	156,113	517	158,761	6,020	193,802	815	200,637	13,529	130,069	247	143,845	503,243
Mandalay	108,448	150,141	1,235	259,824	166,167	289,609	4,332	460,108	353,012	50,982	1,764	405,758	1,125,690
Mon	26,249	76,020	865	103,134	27,828	88,311	26	116,165	78,729	24,897	535	104,161	323,460
Rakhine	4,472	6,080	155	10,707	6,351	10,663	92	17,106	41,304	2,669	-	43,973	71,786
Yangon	9,000	150,930	-	159,930	10,700	82,210	-	92,910	78,723	22,571	49	101,343	354,183
Shan South	33,142	2,577	81	35,800	50,225	38,555	181	88,961	508,880	9,099	300	518,279	643,040
Shan North	13,300	6,310	-	19,610	29,360	17,130	4,000	50,490	82,825	3,012	26	85,863	155,963
Shan East	2,110	4,966	-	7,076	2,066	3,318	-	5,384	4,371	3,199	-	7,570	20,030
Ayeyarwady	6,239	18,378	863	25,480	31,604	19,404	2,646	53,654	87,360	13,928	44,607	145,895	225,029

Source: MCA 2010 Supplementary Module, SLRD

**Table B-16. Number of Households that Kept/Bred Livestock/Poultry and Total Area of the Place where these are kept, by Type of the Place, by Region/State, RoUM: 2010**

Region/State	Household Livestock/Poultry Holdings that Kept/Bred Livestock/Poultry					Area of the Household Livestock/Poultry Holdings (acre)				
	Homelot		Cropland		Total Reporting	Homelot		Cropland		Total Land Area
	Other land	Total Reporting	Other land	Total Reporting		Other land	Total Reporting	Other land	Total Reporting	
Union of Myanmar	4,119,041	165,168	2,531	135,887	4,277,593	222,950.52	14,982.50	10,214.67	248,147.69	26,626.92
Kachin	131,813	-	2,831	16	135,887	16,751.29	2,333.78	7,541.85	1.79	7,466.95
Kayah	22,629	-	16	22,629	22,629	7,465.16	-	-	-	7,466.95
Kayin	35,768	710	345	36,813	36,813	1,840.74	160.54	204.44	2,205.72	2,205.72
Chin	84,417	36	363	84,713	84,713	2,292.39	306.92	612.12	3,211.43	3,211.43
Sagaing	718,566	4,541	1,345	724,084	724,084	32,484.90	444.21	67.09	32,996.20	32,996.20
Tanintharyi	41,807	2,853	1,300	45,623	45,623	2,496.58	2,640.99	306.91	5,444.48	5,444.48
Bago East	225,159	4,028	346	229,488	229,488	14,140.70	622.60	26.34	14,789.64	14,789.64
Bago West	275,873	20	20	275,896	275,896	26,542.72	154.45	1.92	26,699.09	26,699.09
Magway	589,826	92	58	589,941	589,941	57,203.27	422.34	18.12	57,643.73	57,643.73
Mandalay	662,216	1,864	976	665,055	665,055	20,068.04	745.23	98.20	20,911.47	20,911.47
Mon	85,058	16,086	1,208	101,822	101,822	1,755.17	602.28	44.30	2,401.75	2,401.75
Rakhine	237,463	33,054	13,307	269,319	269,319	9,900.41	2,955.73	792.75	13,648.89	13,648.89
Yangon	164,547	23,962	688	188,814	188,814	4,645.31	648.11	69.04	5,362.46	5,362.46
Shan South	102,819	110	63	102,975	102,975	5,200.67	8.56	15.26	5,224.49	5,224.49
Shan North	169,641	475	844	170,467	170,467	4,168.71	317.67	133.92	4,620.30	4,620.30
Shan East	51,962	177	264	52,213	52,213	2,803.43	134.34	135.66	3,073.43	3,073.43
Ayeyarwady	519,477	74,629	6,109	581,854	581,854	13,191.03	2,484.75	144.97	15,820.75	15,820.75

Source: MCA 2010 Supplementary Module, SLRD



Table B-17a. Number of Cattle and Buffaloes Disposed during the past 12 months, by Means of Disposal, by Region/State, RoUM: 2010

Region/State	Cattle				Total Disposed	Buffaloes				Total Disposed
	Consumed	Sold	Given Away	Other means		Consumed	Sold	Given Away	Other means	
Union of Myanmar	46,333	469,654	5,534	15,645	537,166	57,210	165,682	3,028	3,549	229,469
Kachin	3,158	13,422	921	533	18,034	1,561	4,741	472	669	7,443
Kayah	370	1,806	31	147	2,354	731	605	*	*	1,339
Kayin	754	9,639	13	-	10,406	2,277	505	49	-	2,831
Chin	2,405	4,938	306	58	7,707	7,194	2,490	103	18	9,805
Sagaing	3,072	72,191	1,454	2,137	78,854	2,650	17,870	103	712	21,335
Tanintharyi	1,771	1,493	6	85	3,355	1,817	1,488	39	16	3,360
Bago East	8,255	10,749	51	80	19,135	2,909	14,384	908	388	18,589
Bago West	1,294	11,201	298	350	13,143	620	1,172	-	-	1,792
Magway	3,619	59,201	291	919	64,030	15,433	48,059	139	108	63,739
Mandalay	2,947	127,203	928	9,601	140,679	1,816	7,022	12	25	8,875
Mon	604	17,374	78	147	18,203	418	2,909	14	338	3,679
Rakhine	4,279	41,494	266	99	46,138	4,018	11,362	104	26	15,510
Yangon	1,666	19,157	220	197	21,240	4,346	9,530	442	470	14,788
Shan South	1,894	15,542	12	449	17,897	258	1,205	*	7	1,473
Shan North	528	11,493	51	336	12,408	958	6,937	72	139	8,106
Shan East	1,314	14,838	37	153	16,342	3,871	23,574	256	291	27,992
Ayeyarwady	8,403	37,913	571	354	47,241	6,333	11,829	311	340	18,813

Source: MCA 2010 Supplementary Module, SLRD

Table B-17b. Number of Goats and Pigs Disposed during the past 12 Months, by Means of Disposal, by Region/State, RoUM: 2010

Region/State	Goats				Total Disposed	Pigs				Total Disposed Pigs
	Consumed	Sold	Given Away	Other means		Consumed	Sold	Given Away	Other means	
Union of Myanmar	21,024	220,292	4,796	25,460	271,572	170,020	987,147	8,368	16,905	1,182,440
Kachin	1,531	1,380	92	46	3,049	19,459	44,656	1,071	685	65,871
Kayah	38	1,752	-	-	1,790	3,640	7,299	71	*	11,013
Kayin	226	1,229	-	-	1,455	683	3,908	*	-	4,592
Chin	3,097	3,873	196	104	7,270	14,710	32,890	1,704	842	50,146
Sagaing	1,141	30,080	86	23,501	54,808	4,983	97,696	571	788	104,038
Tanintharyi	96	1,218	*	-	1,316	2,989	7,711	89	52	10,841
Bago East	585	1,295	-	8	1,888	8,738	67,708	631	9,209	86,286
Bago West	223	1,907	-	-	2,130	2,770	15,051	-	8	17,829
Magway	1,753	55,851	171	723	58,498	12,006	70,218	163	25	82,412
Mandalay	1,707	75,094	3,762	792	81,355	2,431	69,324	919	311	72,985
Mon	885	4,373	129	17	5,404	4,930	45,268	181	136	50,515
Rakhine	4,993	23,261	294	159	28,707	2,568	39,799	186	105	42,658
Yangon	1,561	10,575	*	22	12,160	14,306	91,791	871	119	107,087
Shan South	1,410	188	-	-	1,598	1,468	20,011	71	2,170	23,720
Shan North	291	462	*	-	755	27,190	71,680	163	552	99,585
Shan East	136	158	-	-	294	19,525	52,727	242	586	73,080
Ayeyarwady	1,351	7,596	60	88	9,095	27,624	249,410	1,434	1,314	279,782

Source: MCA 2010 Supplementary Module, SLRD

Table B-17c. Number of Chickens Disposed during the past 12 months, by Kind of Chicken, Means of Disposal, by Region/State, RoUM: 2010

Region/State	Layer Chicken			Broiler Chicken			Semi-broiler Chicken			Total Disposed Chickens
	Consumed	Sold	Given Away	Other means	Consumed	Sold	Given Away	Other means	Consumed	
Union of Myanmar	40,528	676,331	5,724	3,688	283,793	2,362,542	15,927	33,496	6,849	3,459,807
Kachin	2,288	14,756	91	58	29,989	64,054	8,838	2,977	748	124,355
Kayah	*	251	-	-	233	64	-	-	-	550
Kayin	30	1,200	50	-	372	8,597	26	-	-	10,295
Chin	243	61	67	-	1,626	233	60	-	416	2,870
Sagaing	1,929	98,640	480	881	20,911	84,170	152	210	691	208,302
Tanintharyi	783	83,067	-	-	1,985	109,813	6	-	274	196,762
Bago East	906	30,975	50	1,206	6,508	161,247	703	3,822	358	211,189
Bago West	671	33,549	-	300	3,301	17,408	76	-	45	55,439
Magway	537	2,112	*	5	120,534	248,175	1,619	6,855	852	380,994
Mandalay	851	57,725	5	200	5,480	364,131	178	100	285	429,352
Mon	5,679	42,561	748	15	8,384	401,301	2,895	1,352	2,004	465,639
Rakhine	850	7,093	234	*	2,377	18,983	7	135	974	31,145
Yangon	12,259	98,212	1,720	800	16,126	639,722	1,133	16,737	566	791,086
Shan South	4,189	120,607	1,986	-	480	57,959	11	-	147	185,408
Shan North	562	15,658	-	-	49,180	12,772	49	-	-	78,221
Shan East	7,627	42,067	-	-	2,890	4,368	-	-	416	57,438
Ayeyarwady	1,122	27,797	290	220	13,417	169,515	176	1,288	540	230,862

Source: MCA 2010 Supplementary Module, SLRD

Table B-18. Number of Household Livestock/Poultry Holdings that Kept/Bred Livestock/Poultry during the past twelve months, by Type of Machinery/Equipment Used, by Region/State, RoUM: 2010

Region/State	Number of Household Livestock/Poultry Holding by Type of Machinery/Equipment										Total Holding Reporting
	Generator	Heater	Lamp	Trough	Feed Mixer	Mill	Extruder	Vehicle	Tractor	Other Types	
Union of Myanmar	1,154	2,007	15,992	375,000	3,355	141,031	4,455	4,266	5,287	247,704	613,851
Kachin	10	67	100	7,674	5	40	4	26	523	344	8,555
Kayah	-	-	3	104	-	-	-	-	17	283	391
Kayin	7	14	118	2,410	24	12	-	10	5	668	3,131
Chin	-	31	3	669	-	62	161	-	-	1,653	2,311
Sagaing	77	309	407	9,905	420	7,615	534	374	304	17,319	32,701
Tanintharyi	20	34	173	1,282	23	11	4	59	64	375	1,753
Bago East	163	99	2,532	7,345	34	8	4	37	2,413	23,656	32,681
Bago West	2	53	41	1,758	47	48	-	46	-	46	1,873
Magway	46	123	3,024	202,708	2,466	125,183	3,377	1,242	735	128,531	317,834
Mandalay	150	361	3,293	53,367	142	6,899	152	386	241	33,774	81,295
Mon	145	225	1,836	3,587	*	19	*	499	50	1,724	5,907
Rakhine	26	237	314	1,952	18	25	2	19	11	1,689	4,059
Yangon	142	99	1,272	545	27	121	15	128	148	1,353	2,980
Shan South	156	155	443	2,401	51	415	142	353	73	3,617	6,476
Shan North	54	585	38	5,794	28	524	25	620	39	6,594	12,738
Shan East	-	48	153	11,700	32	35	29	52	64	3,494	15,073
Ayeyarwady	156	114	1,695	61,799	37	14	5	415	600	22,584	84,093

Source: MCA 2010 Supplementary Module, SLRD

Table B-19. Number of Household Livestock/Poultry Holdings that Kept/Bred Livestock/Poultry that Used Building/Structure and Number of Building/Structure Used during the past twelve months, by Type of Building/Structure Used, by Region/State, RoUM: 2010

Region/State	Household Livestock/Poultry Holdings that Kept/Bred Livestock/Poultry				Number of Building/Structure			
	Livestock House/Shed	Stockyard	Poultry House	Other Types	Total Reporting	Livestock House/Shed	Stockyard	Poultry House
Union of Myanmar	2,520,333	511,256	312,010	193,184	3,112,428	2,637,861	550,628	322,314
Kachin	80,785	26,973	26,685	7,606	107,358	91,516	29,314	27,146
Kayah	6,901	6,421	1,950	142	12,455	7,861	7,390	1,956
Kayin	19,121	5,369	3,914	525	24,563	19,764	6,096	4,033
Chin	39,530	11,850	61,091	3,341	73,118	42,392	12,421	61,215
Sagaing	428,628	33,324	4,462	5,675	457,940	441,637	37,299	5,468
Tanintharyi	11,853	5,506	2,933	928	18,731	12,328	5,837	3,208
Bago East	184,533	11,355	4,102	1,077	195,184	192,020	12,344	4,297
Bago West	93,881	34,595	650	1,024	129,749	100,816	36,159	1,448
Magway	368,369	57,935	9,626	18,442	426,609	377,814	60,705	9,677
Mandalay	495,256	36,224	2,245	17,613	532,411	509,864	38,669	3,203
Mon	46,000	13,656	5,225	21,188	79,687	47,054	15,638	5,442
Rakhine	112,825	39,918	25,675	2,387	155,728	115,831	41,767	26,420
Yangon	140,437	14,044	21,390	3,262	162,367	145,949	14,375	21,854
Shan South	50,263	16,279	2,949	3,648	70,110	52,479	17,922	3,516
Shan North	88,346	61,371	22,308	1,744	146,690	96,775	70,116	23,408
Shan East	12,279	12,905	23,859	2,632	35,763	13,099	14,640	24,872
Ayeyarwady	341,326	123,531	92,946	101,950	483,965	370,662	129,936	95,151
								102,666

Source: MCA 2010 Supplementary Module, SLRD

## **Agricultural Households' Characteristics**

**Table D-01a. Total Population/Members of Households with Agricultural Holdings as of the time of visit, by Sex of the Household Members, by Region/State, RoUM: 2010**

Region/State	Sex of the Household Members					
	Male		Female		TOTAL	
	Number	%	Number	%	Number	%
Union of Myanmar	12,560,995	100.00	13,159,912	100.00	25,720,907	100.00
Kachin	438,500	3.49	433,018	3.29	871,518	3.39
Kayah	84,288	0.67	82,206	0.62	166,494	0.65
Kayin	144,040	1.15	150,323	1.14	294,363	1.14
Chin	254,873	2.03	264,674	2.01	519,547	2.02
Sagaing	1,997,589	15.90	2,170,409	16.49	4,167,998	16.20
Tanintharyi	288,958	2.30	297,934	2.26	586,892	2.28
Bago East	657,741	5.24	681,419	5.18	1,339,160	5.21
Bago West	536,441	4.27	548,066	4.16	1,084,507	4.22
Magway	1,477,322	11.76	1,596,707	12.13	3,074,029	11.95
Mandalay	1,824,630	14.53	2,005,591	15.24	3,830,221	14.89
Mon	432,426	3.44	476,532	3.62	908,958	3.53
Rakhine	826,101	6.58	830,696	6.31	1,656,797	6.44
Yangon	483,127	3.85	487,850	3.71	970,977	3.78
Shan South	558,618	4.45	553,417	4.21	1,112,035	4.32
Shan North	728,969	5.80	733,817	5.58	1,462,786	5.69
Shan East	151,178	1.20	147,110	1.12	298,288	1.16
Ayeyarwady	1,676,194	13.34	1,700,143	12.92	3,376,337	13.13

Source: MCA 2010 Supplementary Module, SLRD

**Table D-01b. Total Population/Members of Households with Agricultural Holdings as of the time of visit, by Sex of the Household Head, by Region/State, RoUM: 2010**

Region/State	Sex of the Household Head					
	Male Heads		Female Heads		All Heads	
	Number	%	Number	%	Number	%
Union of Myanmar	22,330,162	100.00	3,390,745	100.00	25,720,907	100.00
Kachin	758,416	3.40	113,103	3.34	871,519	3.39
Kayah	148,674	0.67	17,820	0.53	166,494	0.65
Kayin	257,792	1.15	36,570	1.08	294,362	1.14
Chin	474,240	2.12	45,307	1.34	519,547	2.02
Sagaing	3,499,606	15.67	668,392	19.71	4,167,998	16.20
Tanintharyi	504,402	2.26	82,491	2.43	586,893	2.28
Bago East	1,177,482	5.27	161,678	4.77	1,339,160	5.21
Bago West	969,568	4.34	114,939	3.39	1,084,507	4.22
Magway	2,611,906	11.70	462,123	13.63	3,074,029	11.95
Mandalay	3,241,762	14.52	588,459	17.35	3,830,221	14.89
Mon	777,309	3.48	131,649	3.88	908,958	3.53
Rakhine	1,493,433	6.69	163,364	4.82	1,656,797	6.44
Yangon	857,091	3.84	113,885	3.36	970,976	3.78
Shan South	979,058	4.38	132,977	3.92	1,112,035	4.32
Shan North	1,285,811	5.76	176,974	5.22	1,462,785	5.69
Shan East	273,938	1.23	24,350	0.72	298,288	1.16
Ayeyarwady	3,019,674	13.52	356,664	10.52	3,376,338	13.13

Source: MCA 2010 Supplementary Module, SLRD



Table D-02. Total Population/Members of Households with Agricultural Holdings as of the time of visit, by Sex and Age as of last birthday of the Household Members, by Region/State, RoUM: 2010

Region/State/Sex of the Household Members	Age Group of the Household Members							TOTAL
	Less Than 10 years old	10 - 19 years old	20 - 29 years old	30 - 39 years old	40 - 49 years old	50 - 59 years old	60 years old and over	
Union of Myanmar								
Male	1,709,597	2,663,464	2,329,916	1,809,664	1,623,062	1,302,920	1,122,373	12,560,995
Female	1,683,150	2,624,786	2,364,662	1,978,978	1,830,926	1,412,825	1,264,587	13,159,912
Total	3,392,747	5,288,250	4,694,578	3,788,642	3,453,988	2,715,745	2,386,960	25,720,907
Kachin								
Male	70,330	103,743	83,474	62,668	51,222	38,309	28,755	438,500
Female	69,102	96,506	76,085	60,765	55,739	41,200	33,622	433,018
Total	139,432	200,249	159,559	123,433	106,961	79,509	62,377	871,518
Kayah								
Male	14,334	20,977	16,792	12,352	9,106	6,590	4,137	84,288
Female	13,617	19,425	16,051	12,159	10,121	6,524	4,309	82,206
Total	27,951	40,402	32,843	24,511	19,227	13,114	8,446	166,494
Kayin								
Male	18,378	30,343	26,222	19,406	18,096	16,915	14,680	144,040
Female	16,738	31,540	27,479	22,588	20,966	17,576	13,437	150,323
Total	35,116	61,883	53,701	41,994	39,062	34,491	28,117	294,363
Chin								
Male	57,751	64,169	39,638	28,371	26,571	20,730	17,643	254,873
Female	60,698	64,370	41,016	31,403	29,231	22,027	15,930	264,674
Total	118,449	128,539	80,654	59,774	55,802	42,757	33,573	519,547
Sagaing								
Male	268,225	416,911	384,361	295,684	257,422	194,588	180,398	1,997,589
Female	264,449	420,409	399,987	330,294	299,024	225,445	230,800	2,170,409
Total	532,674	837,320	784,348	625,978	556,446	420,033	411,198	4,167,998
Tanintharyi								
Male	35,370	68,421	57,256	37,896	34,262	28,861	26,893	288,958
Female	33,615	68,000	55,073	41,141	39,127	32,779	28,199	297,934
Total	68,985	136,421	112,329	79,037	73,389	61,640	55,092	586,892
Bago East								
Male	88,958	146,855	129,373	90,992	83,217	63,458	54,887	657,741
Female	89,359	145,220	126,138	102,109	92,229	65,630	60,735	681,419
Total	178,317	292,075	255,511	193,101	175,446	129,088	115,622	1,339,160
Bago West								
Male	46,827	83,097	87,436	90,460	88,812	75,827	63,982	536,441
Female	46,081	76,268	89,466	95,461	95,350	79,797	65,644	548,066
Total	92,908	159,365	176,902	185,921	184,162	155,624	129,626	1,084,507
Magway								
Male	183,049	296,077	283,597	227,436	189,367	154,500	143,296	1,477,322
Female	180,992	294,288	302,061	250,447	220,401	175,100	173,418	1,596,707
Total	364,041	590,365	585,658	477,883	409,768	329,600	316,714	3,074,029
Mandalay								
Male	226,373	374,194	340,913	277,115	240,823	186,797	178,416	1,824,630
Female	224,816	374,197	369,381	315,604	280,458	218,152	222,983	2,005,591
Total	451,189	748,391	710,294	592,719	521,281	404,949	401,399	3,830,221
Mon								
Male	65,938	87,566	67,940	53,122	50,896	50,699	56,285	432,426
Female	63,327	90,742	80,824	66,188	62,414	58,540	54,497	476,532
Total	129,265	178,308	148,764	119,310	113,310	109,239	110,782	908,958
Rakhine								
Male	139,310	205,053	145,017	96,691	99,678	78,161	62,190	826,101
Female	139,896	196,409	139,848	108,833	110,213	75,305	60,191	830,696
Total	279,206	401,462	284,865	205,524	209,891	153,466	122,381	1,656,797
Yangon								
Male	59,104	96,684	91,031	72,452	67,044	54,960	41,852	483,127
Female	55,643	93,606	84,678	77,918	75,336	55,911	44,758	487,850
Total	114,747	190,290	175,709	150,370	142,380	110,871	86,610	970,977
Shan South								
Male	82,527	136,343	103,155	80,128	69,491	51,844	35,129	558,618
Female	79,412	131,257	100,482	82,959	73,172	50,701	35,433	553,417
Total	161,939	267,600	203,637	163,087	142,663	102,545	70,562	1,112,035
Shan North								
Male	106,021	162,555	144,694	104,936	92,278	74,133	44,351	728,969
Female	106,737	165,065	137,780	105,473	99,812	73,583	45,367	733,817
Total	212,758	327,620	282,474	210,409	192,090	147,716	89,718	1,462,786
Shan East								
Male	22,298	28,496	27,152	22,475	21,189	18,258	11,311	151,178
Female	21,124	29,094	25,606	20,499	21,630	17,628	11,529	147,110
Total	43,422	57,590	52,758	42,974	42,819	35,886	22,840	298,288
Ayeyarwady								
Male	224,804	341,980	301,865	237,480	223,588	188,290	158,188	1,676,194
Female	217,544	328,390	292,707	255,137	245,703	196,927	163,735	1,700,143
Total	442,348	670,370	594,572	492,617	469,291	385,217	321,923	3,376,337

Source: MCA 2010 Supplementary Module, SLRD

**Table D-06a. Total Populations/Members 10 years old and over of Households with Agricultural Holdings that Worked at anytime during the past 12 months, by Sex and Economic Activity of the Household Members, by Region/State, RoUM: 2010**

Region/State/Sex of the Household Members	Economic Activity of the Household Members					TOTAL
	Worked in own agricultural holding	Worked in other agricultural holding	Engaged in fishing/aquaculture	Worked in forestry-related activities	Worked in non-agricultural/fishing/forestry industry	
Union of Myanmar						
Male	8,483,475	1,723,167	297,439	1,677,553	998,953	9,056,850
Female	8,308,236	1,761,012	22,100	658,511	1,097,177	9,037,557
Total	16,791,711	3,484,179	319,539	2,336,063	2,096,129	18,094,407
Kachin						
Male	255,629	42,717	9,634	112,741	39,338	270,232
Female	224,062	35,854	665	38,678	38,589	242,228
Total	479,691	78,571	10,298	151,420	77,926	512,460
Kayah						
Male	56,489	24,384	769	18,528	7,973	58,299
Female	53,877	21,428	35	9,239	7,512	56,008
Total	110,346	45,812	804	27,767	15,485	114,307
Kayin						
Male	79,806	13,829	1,069	12,775	22,510	97,336
Female	73,821	13,009	45	3,738	26,466	96,134
Total	153,627	26,838	1,114	16,514	48,976	193,470
Chin						
Male	157,959	15,748	10,376	62,177	16,384	159,988
Female	162,117	14,226	665	45,370	15,855	163,672
Total	320,076	29,974	11,041	107,547	32,239	323,660
Sagaing						
Male	1,350,996	310,311	1,984	136,690	127,818	1,463,169
Female	1,413,127	357,261	1,423	62,664	143,065	1,548,959
Total	2,764,123	667,573	3,407	199,354	270,883	3,012,128
Tanintharyi						
Male	164,711	20,466	14,337	19,778	27,644	185,731
Female	139,310	12,445	789	5,201	34,617	165,126
Total	304,021	32,911	15,126	24,979	62,261	350,856
Bago East						
Male	414,618	52,484	4,936	53,458	28,208	446,947
Female	372,656	55,507	555	12,035	29,119	410,191
Total	787,273	107,990	5,491	65,493	57,328	857,138
Bago West						
Male	392,107	44,338	963	37,269	12,734	415,924
Female	364,654	38,782	195	4,341	15,736	390,860
Total	756,762	83,120	1,158	41,611	28,471	806,784
Magway						
Male	1,076,759	267,676	1,547	312,257	103,471	1,117,919
Female	1,131,433	289,296	303	116,112	110,559	1,185,393
Total	2,208,192	556,972	1,849	428,369	214,030	2,303,311
Mandalay						
Male	1,179,136	243,832	2,610	49,988	219,528	1,319,207
Female	1,242,037	272,122	212	14,063	224,252	1,409,581
Total	2,421,173	515,954	2,822	64,050	443,780	2,728,788
Mon						
Male	270,641	22,806	25,166	18,795	46,361	297,606
Female	258,466	17,591	1,090	3,102	68,656	304,897
Total	529,108	40,397	26,256	21,898	115,018	602,504
Rakhine						
Male	560,312	66,510	64,862	190,739	65,268	589,543
Female	515,547	50,888	4,019	67,159	51,926	546,038
Total	1,075,859	117,398	68,881	257,898	117,194	1,135,581
Yangon						
Male	324,583	26,312	15,685	10,365	47,698	358,040
Female	284,343	22,961	943	1,397	59,222	330,952
Total	608,926	49,273	16,628	11,762	106,920	688,992
Shan South						
Male	384,948	113,666	4,133	104,747	39,925	389,163
Female	372,051	108,430	101	61,950	34,723	377,691
Total	756,999	222,096	4,234	166,697	74,648	766,854
Shan North						
Male	522,016	193,077	1,542	284,612	60,336	532,173
Female	498,045	204,311	248	122,060	57,704	510,973
Total	1,020,061	397,388	1,790	406,672	118,040	1,043,147
Shan East						
Male	102,979	33,360	8,754	50,191	19,151	105,925
Female	89,840	29,086	2,858	24,225	19,778	96,085
Total	192,819	62,446	11,611	74,415	38,929	202,010
Ayeyarwady						
Male	1,189,806	231,650	129,073	202,442	114,604	1,249,648
Female	1,112,851	217,815	7,955	67,176	159,396	1,202,769
Total	2,302,657	449,465	137,028	269,618	274,001	2,452,417

Source: MCA 2010 Supplementary Module, SLRD

Table D-07a. Total Populations/Members 10 years old and over of Households with Agricultural Holdings that Worked on Own Agricultural Holding at anytime during the past 12 months, by Sex of the Household Members and Involvement in the Agricultural Holding, by Region/State, RoUM: 2010

Region/State/Sex of the Household Members	Involvement of the Household Members in the Agricultural Holdings									TOTAL
	Land Preparation	Planting/ Transplanting	Care of Crops	Harvesting/ Picking/ Threshing	Marketing of Produce	Care of Livestock/ Poultry	Fishing on the holding	Other involvement in the agricultural holding	No Report	
Union of Myanmar										
Male	6,692,434	6,507,978	7,212,687	6,844,955	3,872,968	4,109,374	147,940	411,001	452	8,483,475
Female	1,815,420	6,153,332	6,613,142	6,534,969	4,042,894	3,395,666	12,101	549,241	688	8,308,236
Total	8,507,854	12,661,310	13,825,809	13,379,924	7,915,862	7,505,040	160,041	960,242	1,140	16,791,711
Kachin										
Male	213,164	200,041	206,421	188,824	51,683	130,753	2,123	15,607	*	255,629
Female	46,718	162,647	154,718	178,803	100,775	98,514	118	12,398	*	224,062
Total	259,882	362,688	361,139	367,627	152,458	229,267	2,241	28,005	*	479,691
Kayah										
Male	42,801	47,034	50,882	49,095	22,316	21,076	614	3,689	-	56,469
Female	11,319	46,142	44,204	45,087	18,980	22,586	70	2,161	*	53,877
Total	54,120	93,176	95,086	94,182	41,296	43,662	684	5,850	*	110,346
Kayah										
Male	67,912	69,378	62,454	64,571	17,960	21,653	833	6,636	-	79,806
Female	21,543	60,523	51,746	58,649	16,566	20,009	85	5,835	*	73,821
Total	89,455	129,901	114,200	123,220	34,526	41,662	918	12,471	*	153,627
Chin										
Male	117,729	116,992	131,470	135,468	24,596	79,539	52	6,992	*	157,959
Female	105,091	116,523	135,540	138,177	19,700	79,814	20	5,187	*	182,117
Total	222,820	233,515	267,010	273,645	44,296	159,353	72	12,179	*	320,076
Sagaing										
Male	1,063,310	1,055,071	1,176,698	1,118,494	617,911	796,625	3,714	40,193	33	1,350,996
Female	330,872	1,087,721	1,178,687	1,194,548	762,316	595,698	2,260	63,807	61	1,413,127
Total	1,394,182	2,142,792	2,355,385	2,313,042	1,380,227	1,392,323	5,974	104,000	94	2,764,123
Tanintharyi										
Male	122,211	134,078	143,035	130,398	42,977	30,363	5,967	9,839	15	184,711
Female	54,639	92,077	100,129	96,610	74,504	20,317	303	9,024	61	139,310
Total	176,850	226,155	243,164	227,008	117,481	50,680	6,270	18,863	76	304,021
Bago East										
Male	327,857	284,463	314,734	308,936	193,924	179,041	2,198	12,841	16	414,618
Female	43,497	258,220	235,771	274,842	146,339	148,925	630	9,951	82	372,656
Total	371,354	542,683	550,505	583,778	340,263	327,966	2,828	22,792	97	787,273
Bago West										
Male	354,651	351,193	371,191	363,920	289,671	223,057	743	6,632	-	392,107
Female	98,045	313,859	333,289	307,138	235,336	161,571	78	8,782	30	364,654
Total	452,696	665,052	704,480	671,058	525,007	384,628	821	15,414	31	756,762
Magway										
Male	825,764	781,904	890,389	825,706	478,408	590,354	820	45,178	108	1,076,759
Female	200,650	847,094	936,875	907,623	583,559	503,875	541	101,448	51	1,131,433
Total	1,026,414	1,628,998	1,827,264	1,733,329	1,061,967	1,094,229	1,361	146,626	159	2,208,192
Mandalay										
Male	902,671	835,994	1,007,083	883,884	479,931	555,385	1,636	43,314	20	1,179,136
Female	236,832	866,434	1,008,225	994,937	720,397	460,838	475	69,049	65	1,242,037
Total	1,139,503	1,702,428	2,015,308	1,878,821	1,200,328	1,016,223	2,111	112,363	85	2,421,173
Mon										
Male	191,163	215,264	241,928	232,716	133,878	108,434	23,213	15,714	*	270,641
Female	44,912	166,248	186,174	207,825	161,653	56,510	878	14,098	*	258,466
Total	236,075	381,512	428,102	440,541	295,531	164,944	24,091	29,812	*	529,108
Rakhine										
Male	428,176	398,579	391,492	389,256	141,184	245,378	30,775	53,219	49	580,312
Female	56,108	308,506	330,242	215,339	131,890	221,264	1,944	69,794	82	515,547
Total	484,284	707,085	721,734	604,595	273,074	466,642	32,719	123,013	131	1,075,859
Yangon										
Male	265,644	262,456	290,588	273,131	221,186	196,910	10,614	8,894	29	324,583
Female	28,568	203,720	230,588	213,278	139,081	178,074	476	23,682	18	284,343
Total	294,212	466,176	521,176	486,409	360,267	374,984	11,090	32,576	47	608,926
Shan South										
Male	336,703	339,627	348,723	338,590	185,283	81,935	2,039	11,893	67	384,948
Female	210,932	328,746	342,263	322,581	173,815	59,623	36	9,068	14	372,051
Total	547,635	668,373	690,986	661,171	359,098	141,558	2,075	20,961	81	756,999
Shan North										
Male	398,779	377,025	440,679	420,127	187,980	206,354	1,650	56,064	15	522,016
Female	147,197	363,339	397,750	413,086	220,460	126,906	174	43,276	49	498,045
Total	545,976	740,364	838,429	833,213	408,440	333,260	1,824	99,340	64	1,020,061
Shan East										
Male	90,681	89,808	93,683	90,259	28,063	43,942	4,162	10,477	-	102,979
Female	25,155	76,077	73,575	76,963	35,337	43,500	855	8,601	-	89,840
Total	115,836	165,885	167,258	167,222	63,400	87,442	5,017	19,078	-	192,819
Ayeyarwady										
Male	943,218	949,071	1,051,217	1,031,580	756,017	588,575	56,787	63,819	98	1,189,806
Female	153,342	855,456	873,366	889,483	502,186	597,642	3,158	93,080	171	1,112,851
Total	1,096,560	1,804,527	1,924,583	1,921,063	1,258,203	1,186,217	59,945	156,899	269	2,302,657

Source: MCA 2010 Supplementary Module, SLRD



Table D-08a. Number of Households with Agricultural Holdings that Engaged in any Forestry-Related Activities during the past 12 months, by Type of Forestry-Related Activities, by Region/State, RoUM: 2010

Region/State	Number of Households, by Type of Forestry-Related Activities							
	Gathering fuel wood tree/Cutting bamboo	Cutting of sandalwood or sawmill timber	Gathering candlenuts, coconuts, etc.	Gathering wild fruits/food	Collecting medicinal plants	Hunting wildlife or animals	Other forestry-related activities	TOTAL
Union of Myanmar	1,580,644	22,006	68,681	140,145	8,668	32,006	86,527	1,600,778
Kachin	106,485	1,268	1,073	13,278	1,152	1,701	9,457	106,668
Kayah	16,291	1,596	517	1,164	206	1,298	3,426	16,978
Kayin	14,883	149	51	1,423	*	*	451	15,016
Chin	58,881	389	537	8,588	31	3,072	1,769	59,053
Sagaing	135,296	2,247	3,333	2,071	17	729	4,273	135,752
Tanintharyi	19,106	565	4,544	4,545	30	2,100	1,888	20,322
Bago East	57,425	353	37	63	30	64	2,299	57,720
Bago West	34,365	*	30	-	-	-	487	34,687
Magway	333,258	1,181	4,865	44,869	172	49	4,228	333,858
Mandalay	46,038	350	107	15	-	-	1,845	46,528
Mon	19,610	605	2,420	33	-	-	985	19,972
Rakhine	175,893	2,604	7,665	7,365	50	1,108	6,000	177,731
Yangon	10,564	150	165	20	*	-	366	10,733
Shan South	102,233	453	856	1,693	117	368	4,828	102,942
Shan North	231,732	7,500	11,542	47,214	6,445	10,827	28,071	233,026
Shan East	40,535	852	3,743	7,287	386	10,641	4,867	41,037
Ayeyarwady	178,049	1,743	27,196	517	30	47	11,287	188,755

Source: MCA 2010 Supplementary Module, SLRD

**Table D-10. Number of Households with Agricultural Holdings that Engaged in Fishing Activity during the past 12 months, by Type of Fishing Location, by Region/State, RoUM: 2010**

Region/State	Number of Households, by Type of Fishing Location							
	Paddy fields	Rivers	Canal/Stream	Lake/Pond	Mangrove/Creek	Sea/Close to shore	Other locations	TOTAL
Union of Myanmar	130,272	47,009	81,777	32,166	29,165	20,995	600	274,647
Kachin	1,028	2,454	7,162	3,155	-	-	-	9,318
Kayah	133	81	274	361	-	-	-	770
Kayin	382	227	478	107	-	-	-	977
Chin	119	2,812	7,516	16	*	-	176	10,398
Sagaing	1,262	202	972	866	-	-	-	2,829
Tanintharyi	942	1,478	490	129	1,678	7,700	-	11,784
Bago East	2,681	644	1,801	855	*	-	*	4,792
Bago West	445	242	126	194	-	-	-	899
Magway	118	823	600	119	-	-	-	1,425
Mandalay	2,310	147	1,322	582	-	-	-	2,565
Mon	20,080	1,927	3,966	10,517	140	144	15	23,332
Rakhine	7,208	17,373	13,891	1,932	22,855	9,214	321	58,461
Yangon	11,080	1,723	4,913	1,629	101	379	15	15,643
Shan South	299	24	226	4,845	-	-	31	3,571
Shan North	780	213	805	50	-	-	*	1,743
Shan East	1,624	89	5,009	1,066	*	-	15	6,814
Ayeyarwady	79,781	16,550	32,226	5,743	4,384	3,558	23	119,326

Source: MCA 2010 Supplementary Module, SLRD

**Table D-11. Number of Households with Agricultural Holdings that Engaged in Fishing Activity during the past 12 months, by Type of Fishing Gears, by Region/State, RoUM: 2010**

Region/State	Number of Households, by Type of Fishing Gears								
	Hand gear	Cast net	Fishing rod	Small trap	Lift net/Push net	Gill net	Large fixed trap	Other fishing gears	No gear
Union of Myanmar	12,689	144,804	47,719	52,288	9,546	10,447	17,370	17,658	29,463
Kachin	15	8,547	2,880	1,671	*	-	138	511	35
Kayah	17	125	153	29	73	*	390	34	29
Kayin	18	635	66	223	*	41	82	47	81
Chin	123	8,855	880	-	*	15	49	637	84
Sagaing	164	1,392	249	491	30	-	25	919	32
Tanintharyi	185	3,939	709	964	174	746	5,473	213	15
Bago East	578	1,899	685	1,216	66	362	356	387	436
Bago West	16	417	82	124	-	-	34	297	36
Magway	15	591	504	15	-	16	45	438	36
Mandalay	193	1,551	447	452	275	48	112	893	390
Mon	4,301	11,127	6,738	2,672	210	143	362	471	10,766
Rakhine	990	46,706	5,311	2,449	3,376	4,689	6,869	1,754	649
Yangon	664	7,666	2,979	3,457	561	273	755	1,298	2,185
Shan South	1,741	1,954	831	490	-	-	32	359	18
Shan North	15	185	685	617	-	-	-	18	330
Shan East	86	1,996	1,095	1,633	4	33	46	956	1,953
Ayeyarwady	3,568	47,217	23,425	35,785	4,774	4,080	2,602	8,426	12,388

Source: MCA 2010 Supplementary Module, SLRD

**Table D-12. Number of Households Engaged in Agricultural Holding and in Fishing during the past 12 months that Used Fishing Boat, by Type of boat, by Region/State, RoUM: 2010**

Region/State	Number of Households, by Type of Fishing Boat		
	Powered	Not Powered	TOTAL
Union of Myanmar	25,245	78,297	103,542
Kachin	595	2,001	2,596
Kayah	15	85	100
Kayin	341	237	578
Chin	198	2,563	2,761
Sagaing	87	620	707
Tanintharyi	8,326	1,457	9,783
Bago East	92	1,122	1,214
Bago West	-	416	416
Magway	31	478	509
Mandalay	31	766	797
Mon	612	1,283	1,895
Rakhine	8,724	22,045	30,769
Yangon	1,061	2,478	3,539
Shan South	32	3,210	3,242
Shan North	-	16	16
Shan East	13	3	16
Ayeyarwady	5,087	39,517	44,604

Source: MCA 2010 Supplementary Module, SLRD



**Table D-13a. Number of Households Engaged in Agricultural Holding that Reported Basic Food Consumed during the past 12 months, by Basic Food Items Consumed, by Region/State, RoUM: 2010**

Region/State	Basic Food Items Consumed during the past 12 months of All Households								
	Rice and Other Cereals	Potato and Other Root Crops	Edible Dry Beans/Pulses	Any Kind of Vegetables	Any Kind of Fruits	Any Kind of Edible Nuts	Any Kind of Meat	Any Kind of Fish and Other Seafoods	Total Households Reporting
Union of Myanmar	5,418,986	5,401,676	5,410,800	5,418,773	5,378,972	5,118,135	5,406,014	5,337,003	5,419,358
Kachin	159,905	159,292	159,273	159,904	157,438	150,144	159,812	156,217	159,905
Kayah	32,892	32,819	32,892	32,892	32,791	29,777	32,888	30,792	32,893
Kayin	58,065	58,024	58,079	58,099	57,622	41,290	57,886	56,716	58,100
Chin	95,936	93,068	94,820	95,915	91,671	78,522	95,621	90,076	95,951
Sagaing	829,675	828,988	829,478	829,675	827,908	777,259	828,755	822,468	829,721
Tanintharyi	116,985	116,215	116,318	116,986	115,227	108,249	116,429	116,836	116,986
Bago East	265,223	263,572	265,108	265,195	262,341	231,612	259,894	257,593	265,239
Bago West	304,539	304,305	304,366	304,380	304,094	302,385	304,336	303,679	304,555
Magway	661,625	660,189	661,345	661,619	656,636	629,931	660,910	643,671	661,640
Mandalay	821,928	821,457	821,926	821,959	819,745	801,927	821,456	819,570	821,959
Mon	184,114	184,055	184,051	184,070	184,083	183,090	184,007	183,875	184,130
Rakhine	315,188	313,522	313,520	315,173	309,480	307,123	314,729	314,260	315,205
Yangon	224,853	224,760	224,807	224,852	224,698	221,298	224,761	224,382	224,853
Shan South	239,432	239,345	239,325	239,356	235,454	206,511	237,597	226,995	239,448
Shan North	292,295	291,311	291,695	292,312	289,538	267,084	291,495	280,409	292,327
Shan East	61,554	58,130	59,854	61,582	60,560	54,063	61,425	57,455	61,582
Ayeyarwady	754,777	752,624	753,943	754,804	749,686	727,870	754,013	752,009	754,864

Source: MCA 2010 Supplementary Module, SLRD

Table D-14a. Number of Households Engaged in Agricultural Holding that Reported Basic Food Consumed during the past 12 months, by Basic Food Items Consumed, by Frequency of Eating Specified Basic Food, by Region/State, RoUM: 2010

Region/State/Frequency of Eating Specified Basic Food	Basic Food Items Consumed during the past 12 months of All Households								
	Rice and Other Cereals	Potato and Other Root Crops	Edible Dry Beans/Pulses	Any Kind of Vegetables	Any Kind of Fruits	Any Kind of Edible Nuts	Any Kind of Meat	Any Kind of Fish and Other Seafoods	Total Households Reporting
Union of Myanmar									
	Daily	5,411,162	509,761	653,810	3,592,576	323,470	206,572	154,199	1,538,470
	Weekly	2,821	2,308,408	2,413,965	1,065,425	1,317,900	773,603	1,914,388	1,307,191
	Monthly	2,505	948,056	930,457	153,433	1,174,705	834,141	1,318,830	705,579
Kachin	Seldom	2,497	1,635,452	1,412,569	607,338	2,562,899	3,303,820	2,018,598	1,785,761
	Daily	159,719	23,766	15,150	129,911	5,859	1,434	2,911	3,055
	Weekly	103	68,432	66,156	14,747	20,759	9,315	42,600	39,119
Kayah	Monthly	35	25,888	33,368	3,864	36,867	12,315	34,004	23,204
	Seldom	47	41,206	44,600	11,382	93,952	127,080	80,298	90,840
	Daily	32,843	792	2,550	16,198	979	313	310	96
Kayin	Weekly	34	18,850	18,353	10,365	4,213	1,351	8,571	8,763
	Monthly	15	5,284	5,420	3,661	16,615	8,487	12,740	5,952
	Seldom	-	7,893	6,569	2,668	10,984	19,626	11,267	15,981
Chin	Daily	57,903	275	601	35,481	2,322	242	846	669
	Weekly	68	6,641	6,957	9,366	3,764	750	7,328	8,390
	Monthly	56	14,604	15,490	2,374	10,003	1,967	15,483	10,202
	Seldom	38	36,504	35,031	10,878	41,533	38,331	34,228	37,455
Sagaing	Daily	95,793	6,410	14,987	78,284	3,129	827	1,420	2,954
	Weekly	16	17,210	13,362	5,986	6,288	3,376	2,846	3,530
	Monthly	17	15,912	12,897	3,372	15,111	10,293	18,084	6,545
	Seldom	109	53,536	53,574	8,273	67,142	64,025	73,271	77,047
Tanintharyi	Daily	828,471	64,134	198,428	454,771	72,362	14,806	12,889	86,125
	Weekly	612	497,969	445,026	225,347	292,353	148,993	312,502	243,830
	Monthly	200	107,895	88,901	20,816	112,568	150,794	201,115	175,201
	Seldom	392	158,991	97,123	128,741	350,625	462,666	302,250	317,311
Bago East	Daily	116,684	3,533	2,346	85,101	12,461	2,460	6,457	69,170
	Weekly	81	20,531	12,566	11,567	15,457	5,731	19,234	15,845
	Monthly	120	15,518	19,970	2,910	14,175	11,203	19,302	4,370
	Seldom	101	76,634	81,436	17,408	73,134	88,855	71,437	27,451
Bago West	Daily	264,883	29,053	27,429	121,680	14,086	2,251	6,800	55,594
	Weekly	229	107,326	124,151	77,673	54,094	18,263	92,443	88,371
	Monthly	16	40,481	37,258	12,402	51,727	33,354	52,837	32,295
	Seldom	95	86,712	76,271	53,440	142,434	177,743	107,813	81,332
Mandalay	Daily	303,789	5,844	10,161	80,831	3,043	1,247	27,891	11,089
	Weekly	139	114,989	118,244	95,618	86,744	68,600	117,094	121,489
	Monthly	65	26,569	24,076	8,113	24,377	18,440	19,526	15,116
	Seldom	546	156,902	151,885	119,819	189,930	214,098	139,824	155,985

Source: MCA 2010 Supplementary Module, SLRD

Table D-14a. Number of Households Engaged in Agricultural Holding that Reported Basic Food Consumed during the past 12 months, by Basic Food Items Consumed, by Frequency of Eating Specified Basic Food, by Region/State, RoUM; 2010 (Cont.)

Region/State/Frequency of Eating Specified Basic Food	Basic Food Items Consumed during the past 12 months of All Households										Total Households Reporting
	Rice and Other Cereals	Potato and Other Root Crops	Edible Dry Beans/Pulses	Any Kind of Vegetables	Any Kind of Fruits	Any Kind of Edible Nuts	Any Kind of Meat	Any Kind of Fish and Other Seafoods			
Magway	660,458	63,276	115,571	551,757	51,706	6,713	24,722	398,709		661,022	
	232	285,101	298,958	61,041	152,880	92,146	244,441	72,707		469,857	
	465	131,758	113,048	17,947	156,953	130,778	174,191	60,317		373,330	
	471	180,054	133,767	30,874	295,098	400,294	217,555	111,938		470,934	
Mandalay											
	820,602	158,959	171,294	593,772	76,491	18,482	21,501	96,098		821,360	
	556	324,882	386,697	127,207	207,910	114,561	343,081	234,685		598,693	
	577	115,782	101,602	24,293	185,163	145,091	194,726	163,081		436,015	
Mon	193	221,833	162,334	76,686	350,180	523,793	262,148	325,706		603,935	
	184,058	3,085	4,182	146,010	9,571	46,623	10,041	63,271		184,112	
	21	107,856	94,791	34,853	88,784	42,981	134,905	98,236		169,798	
Rakhine	19	49,051	58,025	1,181	49,117	19,641	27,977	12,568		109,591	
	16	24,062	27,053	2,027	36,611	73,844	11,083	9,799		102,308	
	314,794	8,748	5,239	275,506	19,174	75,034	10,130	110,972		314,972	
Yangon	141	64,071	47,476	13,347	28,061	26,819	65,233	89,729		160,833	
	32	47,996	59,739	3,724	45,975	25,959	59,172	23,011		133,665	
	220	192,707	201,066	22,596	216,271	179,511	180,194	90,548		281,954	
Shan South	224,690	1,909	7,117	60,576	4,412	1,506	2,119	23,397		224,709	
	91	100,681	107,971	127,318	53,377	30,629	79,836	108,477		189,608	
	30	65,290	66,044	15,699	61,027	34,703	82,854	45,025		149,987	
	42	56,880	43,675	21,258	105,882	154,459	59,952	47,483		169,555	
Shan North											
	238,444	33,154	27,426	115,345	7,565	706	1,331	2,295		238,593	
	274	106,768	117,783	75,319	37,446	7,607	38,768	34,651		174,182	
	610	32,189	30,513	9,272	54,750	31,160	55,392	38,218		123,155	
Shan East	103	67,233	63,603	39,421	135,693	167,039	142,106	151,830		219,621	
	291,980	26,411	31,694	246,601	12,592	1,480	4,919	2,509		292,186	
	65	104,801	104,286	21,530	34,249	10,719	51,481	29,000		166,952	
Ayeyarwady	140	59,951	61,830	6,193	69,389	35,053	72,654	58,157		164,511	
	109	100,149	93,885	17,988	173,308	219,831	162,461	190,743		268,099	
	61,533	1,426	2,269	39,911	2,768	288	3,204	515		61,579	
Aungmye	17	14,445	15,697	15,480	8,264	3,225	32,480	18,308		47,439	
	*	14,228	15,782	1,794	13,343	6,317	9,868	9,624		34,064	
	*	28,031	26,107	4,396	36,185	44,234	15,873	29,007		55,672	
Bhamo	754,517	78,987	17,366	560,840	24,950	32,160	16,706	611,952		754,819	
	139	347,854	435,492	138,663	223,255	188,736	321,564	92,061		621,523	
	105	179,658	186,495	15,818	257,544	158,583	268,904	22,690		518,635	
	15	146,125	114,590	39,482	243,937	348,390	146,839	25,306		443,983	

Source: MCA 2010 Supplementary Module, SLRD



Table D-15a. Number of Households Engaged in Agr/cultural Holding that Reported Basic Food Consumed during the past 12 months, by Basic Food Items Consumed, by Source of Specified Basic Food, by Region/State, RoUM: 2010

Region/State/Source of Specified Basic Food	Basic Food Items Consumed during the past 12 months of All Households								Total Households Reporting
	Rice and Other Cereals	Potato and Other Root Crops	Edible Dry Beans/Pulses	Any Kind of Vegetables	Any Kind of Fruits	Any Kind of Edible Nuts	Any Kind of Meat	Any Kind of Fish and Other Seafoods	
Union of Myanmar	3,338,801	251,979	1,046,060	1,362,908	643,174	212,759	652,809	204,495	4,095,062
	82,089	285,550	352,809	622,522	379,489	201,407	155,920	147,947	1,004,526
	2,752,563	5,171,865	4,909,073	4,680,500	5,105,745	4,896,567	5,336,060	5,236,610	5,409,881
	46,374	95,766	95,340	243,735	194,304	217,081	96,818	146,449	536,214
Kachin									
Own produced	129,989	28,275	24,345	72,543	23,467	5,237	20,760	11,527	140,004
Given by relatives	7,819	17,250	16,713	24,618	14,219	8,849	14,306	11,408	46,845
Bought	51,009	131,991	138,465	110,599	137,462	138,362	154,429	148,312	158,244
Other sources	8,001	10,264	7,823	14,084	15,302	16,177	11,147	9,517	38,322
Kayah									
Own produced	23,192	2,577	6,407	17,414	12,986	2,819	13,180	1,577	30,097
Given by relatives	418	6,307	7,241	15,881	16,440	5,760	2,389	1,605	23,522
Bought	15,516	31,647	30,726	29,549	31,812	28,989	32,557	30,439	32,875
Other sources	716	907	1,034	2,502	992	3,987	1,009	1,273	7,242
Kayn									
Own produced	46,148	646	3,176	15,035	2,817	371	751	311	48,602
Given by relatives	1,170	1,449	4,817	7,172	5,261	2,101	1,824	1,662	14,534
Bought	16,836	56,609	52,425	49,156	51,551	36,019	57,473	56,178	57,824
Other sources	730	2,623	2,372	7,693	6,276	6,398	1,746	2,707	11,511
Chin									
Own produced	83,000	35,541	44,094	79,222	23,687	9,204	29,769	12,747	93,539
Given by relatives	3,536	19,516	16,675	16,203	23,646	16,494	17,824	13,139	47,103
Bought	58,634	58,722	55,593	31,311	57,683	58,857	82,071	78,978	93,110
Other sources	167	2,647	2,010	2,238	5,461	4,602	4,675	4,340	10,951
Sagaing									
Own produced	456,356	12,498	95,420	77,122	22,222	3,863	3,976	1,230	505,919
Given by relatives	4,324	12,963	17,203	26,663	15,080	7,297	3,919	3,366	45,205
Bought	461,488	816,188	777,317	780,304	809,992	772,817	827,363	821,367	829,596
Other sources	1,316	2,547	2,355	7,867	5,647	4,300	1,798	1,556	18,431
Tanintharyi									
Own produced	47,969	2,481	631	20,400	10,069	6,595	3,184	6,089	63,291
Given by relatives	1,579	3,112	2,359	9,172	3,970	1,583	2,672	3,688	14,993
Bought	74,435	113,695	113,896	99,160	103,728	101,552	114,585	112,560	116,862
Other sources	1,688	1,143	1,205	9,145	6,027	3,785	2,123	2,128	14,678
Bago East									
Own produced	226,912	4,457	72,373	53,504	13,732	3,175	7,293	2,631	235,456
Given by relatives	2,815	5,089	8,956	12,664	7,486	5,609	3,090	2,492	24,655
Bought	55,235	258,526	220,496	230,402	250,812	219,695	258,047	255,565	264,734
Other sources	2,165	2,786	4,316	8,651	8,175	11,772	3,954	4,419	22,816
Bago West									
Own produced	252,855	1,101	14,775	18,998	3,163	1,768	4,724	647	260,677
Given by relatives	435	2,765	3,897	9,426	2,790	2,656	1,227	970	15,217
Bought	67,951	301,063	295,673	292,636	297,468	297,306	302,932	302,480	304,241
Other sources	992	3,898	3,583	6,048	5,290	5,009	1,650	1,418	11,777

Source: MCA 2010 Supplementary Module, SLRD

Table D-15a. Number of Households Engaged in Agricultural Holding that Reported Basic Food Consumed during the past 12 months, by Basic Food Items Consumed, by Source of Specified Basic Food, by Region/State, RoUM: 2010 (Cont)

Region/State/Source of Specified Basic Food	Basic Food Items Consumed during the past 12 months of All Households								Total Households Reporting
	Rice and Other Cereals	Potato and Other Root Crops	Edible Dry Beans/Pulses	Any Kind of Vegetables	Any Kind of Fruits	Any Kind of Edible Nuts	Any Kind of Meat	Any Kind of Fish and Other Seafoods	
Magway	276,504	40,022	259,703	262,539	62,009	28,173	22,427	2,287	449,638
	1,989	22,495	30,745	60,768	27,688	18,324	4,166	1,424	91,586
	486,087	636,407	547,970	527,424	620,117	599,267	654,874	641,291	661,158
	726	1,605	1,305	4,459	4,815	11,063	1,742	1,837	17,103
Mandalay									
	303,954	22,856	164,504	127,173	23,630	4,889	3,173	1,824	443,166
	2,821	17,416	23,803	36,023	12,230	5,957	1,994	1,234	57,522
	585,922	803,398	737,569	745,296	796,507	792,042	818,069	816,460	821,561
Mon	1,837	6,608	7,170	13,459	9,610	9,213	5,694	4,966	29,887
	108,555	1,394	7,044	22,326	37,418	4,578	13,397	14,444	132,378
	2,446	3,899	2,282	19,337	12,966	6,028	3,785	4,396	29,048
Bought	89,130	183,418	181,951	178,311	180,358	180,452	183,280	181,961	183,957
	1,102	2,181	644	13,288	5,467	4,892	619	1,969	20,965
	273,869	27,026	26,376	127,623	38,078	32,264	72,403	46,507	294,261
Given by relatives	3,848	27,622	22,126	49,370	35,502	29,905	21,365	24,936	96,478
	70,927	281,213	287,673	238,190	279,574	267,233	306,806	295,040	314,596
	2,151	9,519	7,688	25,244	26,312	24,161	11,058	13,286	56,478
Yangon									
	172,137	2,614	66,541	28,891	62,312	22,953	123,405	14,308	205,607
	3,961	7,432	11,262	42,399	20,099	11,090	12,473	12,476	60,409
	72,015	223,665	219,724	220,640	222,240	219,088	220,857	221,542	224,758
Other sources	919	798	579	2,161	2,016	2,056	1,427	2,044	7,705
Shan South	138,837	31,973	39,707	51,985	28,908	2,907	2,952	2,552	184,372
	5,943	24,486	34,706	39,588	18,573	5,440	4,979	4,204	66,394
	167,047	213,247	220,048	209,702	221,297	195,785	236,311	223,897	238,663
	5,484	8,380	12,563	18,909	17,206	18,960	4,570	4,661	34,857
Shan North									
	199,885	19,019	46,244	178,568	38,696	10,883	24,562	1,533	255,243
	13,951	50,076	50,551	70,738	43,203	22,724	18,882	11,978	114,307
	177,685	262,697	262,184	196,913	266,144	244,260	286,933	270,261	291,741
Other sources	8,976	22,414	19,023	40,523	36,555	41,144	20,933	33,612	85,433
Shan East									
	58,648	3,620	6,231	19,388	5,149	1,457	37,000	7,836	60,693
	2,924	23,996	26,162	48,071	40,837	8,780	12,455	9,185	52,350
	10,209	51,239	53,647	50,205	57,402	46,031	57,259	52,846	61,511
Other sources	3,106	11,242	10,265	19,048	14,851	15,357	9,101	14,387	34,339
Ayyerwady									
	539,991	15,880	168,487	190,177	234,831	71,623	269,853	76,444	692,120
	22,109	39,678	73,310	134,429	79,498	42,810	28,568	39,784	204,357
	292,437	748,141	713,713	690,702	721,598	698,812	742,214	727,433	754,452
Other sources	6,297	6,204	11,405	48,416	24,303	34,204	13,575	42,329	113,718

Source: MCA 2010 Supplementary Module, SLRD



**Table D-16a. Number of Households Engaged in Agricultural Holding with Difficulty in Accessing the Specified Basic Food Items sometime in the past 12 months, by Specific Reasons Given, by Region/State, RoUM: 2010**

Region/State	Specific Reasons in Having Difficulty in Accessing Specified Basic Food Items sometime in the past 12 months as Reported by All Households									Total Households Reporting
	Low production of such food due to shortage of capital and less land area	Low production due to illness/disability of the holder	Crop loss due to heavy rain or draught or calamities or attack of pest	Seasonal food items; hence, not available always in the market	Very costly and cannot afford to eat more frequently	Limited food budget due to loss of non-agriculture job	Unhealthy/Not good to eat more often	Other reasons		
Union of Myanmar	278,055	77,350	117,385	133,888	169,998	121,050	11,618	3,775	397,054	
Kachin	9,673	6,275	3,434	4,767	6,808	5,629	2,407	290	12,529	
Kayah	4,772	734	3,263	1,800	3,821	1,201	91	20	8,804	
Kayin	4,486	1,026	2,860	1,611	5,162	1,321	97	83	7,363	
Chin	16,643	5,978	10,177	3,730	9,988	5,744	331	65	23,176	
Sagaing	1,961	31	104	298	744	790	18	*	2,639	
Tanintharyi	5,425	5,052	4,538	1,027	413	655	166	-	5,731	
Bago East	1,003	46	94	511	210	178	75	-	1,509	
Bago West	1,806	679	750	573	2,423	1,674	600	30	3,841	
Magway	5,695	779	2,676	2,706	4,457	3,126	200	106	9,269	
Mandalay	39,066	12,111	28,071	20,857	22,708	18,859	3,211	448	50,257	
Mon	2,618	238	240	2,065	4,312	2,127	126	-	6,034	
Rakhine	25,157	4,896	13,764	9,546	24,366	15,284	840	1,033	51,331	
Yangon	14,781	4,391	3,461	4,254	9,586	8,818	258	247	20,494	
Shan South	30,725	8,925	18,560	15,340	17,255	9,224	404	111	41,134	
Shan North	46,717	12,139	16,737	17,065	27,650	13,170	1,119	448	56,210	
Shan East	955	140	210	231	456	348	89	*	1,132	
Ayeyarwady	66,572	13,910	8,446	47,507	29,639	32,902	1,586	892	95,601	

Source: MCA 2010 Supplementary Module, SLRD

**Table D-17a. Number of Households Engaged in Agricultural Holding that Reported Steps Taken to Solve Food Inaccessibility sometime in the past 12 months, by Steps Taken to Solve Food Inaccessibility, by Region/State, RoUM: 2010**

Region/State	Steps Taken by All Households to Solve Food Inaccessibility sometime in the past 12 months										Total Household Reporting
	Sold other cash non-food crops/some livestock/properties	Bartered some goods such as livestock, mats, baskets, etc. for food	Gathered and ate food from the forest	Gathered and sold food/some products from the forest	Sent some household members to look for other sources of income	Asked assistance from relatives within the country/living abroad	Accepted assistance from charitable institutions	Borrowed food and/or money on credit	Changed food routine to alternative food items	Other steps	
Union of Myanmar	191,648	38,683	45,403	60,814	205,854	41,333	12,711	143,117	26,390	4,976	364,083
Kachin	8,258	3,534	4,190	3,976	6,569	2,163	1,720	5,643	2,557	147	11,492
Kayah	4,927	688	1,087	1,909	4,754	347	34	1,321	73	16	8,061
Kayin	2,658	903	227	167	3,994	4,037	52	558	144	801	6,206
Chin	14,853	3,961	4,359	3,904	8,343	4,018	2,107	5,088	815	324	20,784
Sagaing	1,017	60	15	46	1,925	137	-	220	-	-	2,324
Tanintharyi	5,146	1,154	775	333	458	63	16	3,389	273	1,384	5,621
Bago East	165	32	46	75	571	132	-	330	422	-	1,175
Bago West	1,219	199	74	74	1,873	166	121	2,203	617	31	3,305
Magway	4,672	728	1,018	934	5,711	231	60	3,109	389	61	8,567
Mandalay	31,758	5,926	2,435	1,534	27,061	2,409	713	20,187	6,706	477	45,514
Mon	1,728	230	37	63	1,880	984	-	2,060	18	149	3,450
Rakhine	12,815	2,921	4,564	11,074	28,961	8,910	3,041	11,955	1,319	64	45,668
Yangon	11,805	879	808	1,274	9,939	1,562	410	13,056	691	108	19,840
Shan South	20,246	4,400	6,978	9,394	21,137	1,582	253	16,585	1,013	529	37,743
Shan North	19,203	5,928	18,205	23,829	29,378	6,589	1,494	7,880	1,556	708	52,437
Shan East	504	120	163	372	363	427	45	533	15	42	1,071
Ayeyarwady	50,676	7,020	422	1,856	52,937	7,576	2,645	49,100	9,782	135	90,825

Source: MCA 2010 Supplementary Module, SLRD

**Table D-18a. Number of Households Engaged in Agricultural Holding that Perceived Inaccessibility of the Specified Basic Food Items in the coming days/months, by Reasons for Not Able to Access the Specified Basic Food Items in the coming days or months, by Region/State, RoUM: 2010**

Region/State	Reasons of All Households for not able to Access the Specified Basic Food Items in the coming days or months					Total Households Reporting
	Not so sure whether there will be a good harvest of the crops planted	Not so sure whether there will be enough income to buy all/some of these food items	Increasing prices of food items may hinder us to buy and eat some of these	Not so sure of what will happen in the coming days/months	Other reasons	
Union of Myanmar	62,237	72,143	64,525	88,099	1,104	136,150
Kachin	4,754	5,257	4,096	4,809	161	6,926
Kayah	1,399	1,478	1,552	1,887	52	2,462
Kayin	980	831	1,023	1,076	2	2,214
Chin	6,250	3,793	2,884	8,265	34	11,596
Sagaing	14	15	-	-	-	29
Tanintharyi	3,022	3,135	3,065	2,230	-	3,352
Bago East	365	262	135	398	-	846
Bago West	471	1,175	1,044	1,584	15	1,734
Magway	955	1,306	1,758	1,049	15	2,147
Mandalay	9,470	9,386	9,080	12,169	256	16,651
Mon	261	682	603	1,148	15	1,373
Rakhine	5,400	9,432	9,228	11,379	91	20,417
Yangon	2,527	6,315	5,040	4,635	121	9,112
Shan South	3,792	4,237	3,203	7,070	15	9,310
Shan North	14,718	9,292	12,236	15,742	125	24,541
Shan East	143	151	181	54	-	256
Ayeyarwady	7,715	15,397	9,396	14,602	204	23,184

Source: MCA 2010 Supplementary Module, SLRD

Table D-19a. Number of Households Engaged in Agricultural Holding that Perceived Inaccessibility of the Specified Basic Food Items in the coming days or months, by Steps to Take to Access the Specified Basic Food Items in the coming days or months, by Region/State, RoUM: 2010

Region/State	Steps to be Taken by All Households to Access the Specified Basic Food Items in the coming days or months					Total Households Reporting
	Increase crop production using HYV crop seeds	Start/increase effort in keeping/ breeding livestock/ poultry	Find other jobs/ business aside from farming/ breeding livestock/poultry	Train/guide household members in helping/operating the agricultural holding	Other steps	
Union of Myanmar	77,784	79,289	101,466	37,275	1,181	136,043
Kachin	4,738	4,880	5,281	3,909	88	6,940
Kayah	1,885	1,591	1,995	521	65	2,462
Kayin	1,014	802	1,444	410	2	2,214
Chin	5,112	6,978	7,540	1,715	46	11,596
Sagaing	15	-	14	-	-	29
Tanintharyi	3,169	3,195	3,104	2,173	16	3,352
Bago East	801	242	707	503	31	846
Bago West	1,058	1,155	1,391	685	59	1,734
Magway	1,228	1,383	1,677	1,015	-	2,147
Mandalay	10,288	9,463	12,193	7,150	171	16,651
Mon	803	982	1,204	213	-	1,328
Rakhine	11,545	11,472	14,007	3,413	44	20,417
Yangon	3,897	6,447	7,126	1,471	74	9,112
Shan South	5,250	3,001	6,133	2,476	134	9,310
Shan North	16,160	12,539	18,848	7,097	192	24,496
Shan East	92	136	210	16	15	241
Ayeyarwady	10,729	15,023	18,592	4,508	244	23,168

Source: MCA 2010 Supplementary Module, SLRD

## Aquaculture



**Table C-01. Number of Household Aquaculture Holdings Reported during the past 12 months, by Legal Status, by Region/State, RoUM: 2010**

Region/State	Legal Status of the Aquaculture Holding		
	Single Household Holding	Joint Holding with Other Households	Total Number of Household Aquaculture Holdings
Union of Myanmar	11,764	748	12,512
Kachin	46	-	46
Kayah	18	-	18
Kayin	137	-	137
Chin	183	-	183
Sagaing	850	2	852
Tanintharyi	32	-	32
Bago East	190	2	192
Bago West	684	8	692
Magway	155	-	155
Mandalay	326	-	326
Mon	24	-	24
Rakhine	4,368	688	5,056
Yangon	1,624	30	1,654
Shan South	102	*	103
Shan North	45	*	46
Shan East	891	6	897
Ayeyarwady	2,089	10	2,099

Source: MCA 2010 Supplementary Module, SLRD

**Table C-02. Number of Aquafarms Operated by Households during the past 12 months, by Type of Aquaculture, by Region/State, RoUM: 2010**

Region/State	Number of Aquafarms, by Type of Aquaculture						Total Number of Aquafarms
	Hatchery/Nursery	Pond Culture	Rice-cum-Fish Culture	Pen Culture	Cage Culture	Other Aquaculture	
Union of Myanmar	1,005	10,369	1,427	548	135	110	13,594
Kachin	10	38	-	*	-	-	49
Kayah	4	15	-	-	-	-	19
Kayin	116	142	8	*	-	-	267
Chin	84	112	-	-	-	-	196
Sagaing	59	925	-	*	-	-	985
Tanintharyi	*	7	*	*	3	19	32
Bago East	6	149	59	2	-	3	219
Bago West	119	694	*	12	3	*	830
Magway	*	138	13	3	-	-	155
Mandalay	34	340	-	4	-	-	378
Mon	3	23	-	2	*	-	29
Rakhine	126	3,444	1,112	427	49	51	5,209
Yangon	98	1,765	*	5	*	-	1,870
Shan South	3	94	9	3	2	-	111
Shan North	7	39	-	-	*	-	47
Shan East	76	861	-	-	3	-	940
Ayeyarwady	258	1,583	223	86	72	36	2,258

Source: MCA 2010 Supplementary Module, SLRD

**Table C-03. Number and Total Surface Physical Area of Aquafarms Operated by Households during the past 12 months, by Type of Aquaculture, by Region/State, RoUM: 2010**

Region/State	Type of Aquaculture					
	Hatchery/Nursery (in sq.ft.)	Pond Culture (in acres)	Rice-cum-fish culture (in acres)	Pen Culture (in sq.ft.)	Cage Culture (in sq. ft.)	Other Aquaculture (in sq. ft)
Union of Myanmar						
Number of Aquafarms	1,005	10,369	1,427	548	135	110
Total Surface Physical Area	4,628.01	98,579.93	18,880.80	9,422.08	1,795.24	2,076.81
Kachin						
Number of Aquafarms	10	38	-	*	-	-
Total Surface Physical Area	18.03	73.36	-	10.38	-	-
Kayah						
Number of Aquafarms	4	15	-	-	-	-
Total Surface Physical Area	24.11	48.84	-	-	-	-
Kayin						
Number of Aquafarms	116	142	8	*	-	-
Total Surface Physical Area	4.71	48.33	1.07	1.00	-	-
Chin						
Number of Aquafarms	84	112	-	-	-	-
Total Surface Physical Area	18.42	15.72	-	-	-	-
Sagaing						
Number of Aquafarms	59	925	-	*	-	-
Total Surface Physical Area	87.23	1,861.93	-	0.30	-	-
Tanintharyi						
Number of Aquafarms	*	7	*	*	3	19
Total Surface Physical Area	4.80	86.70	0.03	7.44	4.00	135.00
Bago East						
Number of Aquafarms	6	149	59	2	-	3
Total Surface Physical Area	128.07	926.15	49.27	0.36	-	0.70
Bago West						
Number of Aquafarms	119	694	*	12	3	*
Total Surface Physical Area	1,629.39	7,316.96	3.00	42.08	4.95	3.42
Magway						
Number of Aquafarms	*	138	13	3	-	-
Total Surface Physical Area	0.35	121.69	14.00	2.99	-	-
Mandalay						
Number of Aquafarms	34	340	-	4	-	-
Total Surface Physical Area	260.69	3,063.78	-	1.75	-	-
Mon						
Number of Aquafarms	3	23	-	2	*	-
Total Surface Physical Area	2.80	166.67	-	0.60	0.20	-
Rakhine						
Number of Aquafarms	126	3,444	1,112	427	49	51
Total Surface Physical Area	489.81	31,085.47	15,788.15	5,108.41	900.05	437.10
Yangon						
Number of Aquafarms	98	1,765	*	5	*	-
Total Surface Physical Area	499.72	25,384.03	5.00	56.06	3.50	-
Shan South						
Number of Aquafarms	3	94	9	3	2	-
Total Surface Physical Area	0.87	248.14	24.82	0.18	3.02	-
Shan North						
Number of Aquafarms	7	39	-	-	*	-
Total Surface Physical Area	7.07	14.68	-	-	0.10	-
Shan East						
Number of Aquafarms	76	861	-	-	3	-
Total Surface Physical Area	90.10	600.19	-	-	1.86	-
Ayeyarwady						
Number of Aquafarms	258	1,583	223	86	72	36
Total Surface Physical Area	1,361.84	27,517.29	2,995.46	4,190.53	877.56	1,500.59

Source: MCA 2010 Supplementary Module, SLRD

Table C-04. Number and Area of Pond Culture Operated by Households during the past 12 months, by Size of the Area of the Pond Culture, by Region/State, RoUM: 2010

Region/State	Size of the Area of Pond Culture							Total
	Under 1 acre	1 acre and under 3 acres	3 acres and under 5 acres	5 acres and under 10 acres	10 acres and under 20 acres	20 acres and under 50 acres	50 acres and over	
Union of Myanmar								
Number of pond culture	2,031	2,938	1,315	1,725	1,184	858	318	10,369
Area of pond culture (acre)	762.10	4,970.69	4,739.33	11,390.83	15,661.58	24,378.68	36,676.72	98,579.93
Kachin								
Number of pond culture	25	6	4	*	*	*	-	38
Area of pond culture (acre)	10.31	11.93	14.12	5.50	11.50	20.00	-	73.36
Kayah								
Number of pond culture	4	4	3	4	-	-	-	15
Area of pond culture (acre)	1.75	6.70	10.30	30.09	-	-	-	48.84
Kayin								
Number of pond culture	136	4	*	-	-	*	-	142
Area of pond culture (acre)	7.17	4.16	3.00	-	-	34.00	-	48.33
Chin								
Number of pond culture	111	*	-	-	-	-	-	112
Area of pond culture (acre)	14.66	1.06	-	-	-	-	-	15.72
Sagaing								
Number of pond culture	306	430	106	68	12	2	*	925
Area of pond culture (acre)	150.70	657.83	372.32	415.58	144.82	70.68	50.00	1,861.93
Tanintharyi								
Number of pond culture	2	*	-	*	*	2	-	7
Area of pond culture (acre)	0.50	1.00	-	5.00	10.00	70.20	-	86.70
Bago East								
Number of pond culture	106	18	5	10	3	4	3	149
Area of pond culture (acre)	32.18	26.46	18.82	57.33	30.00	100.89	660.47	928.15
Bago West								
Number of pond culture	20	187	159	206	85	22	15	694
Area of pond culture (acre)	8.51	326.57	567.33	1,277.66	1,060.37	617.99	3,458.53	7,316.96
Magway								
Number of pond culture	95	39	2	*	*	-	-	138
Area of pond culture (acre)	36.06	58.58	6.00	6.00	15.05	-	-	121.69
Mandalay								
Number of pond culture	65	128	38	45	26	27	11	340
Area of pond culture (acre)	23.33	201.27	136.90	287.89	327.66	759.73	1,327.00	3,063.78
Mon								
Number of pond culture	8	3	4	5	*	*	*	23
Area of pond culture (acre)	3.10	6.08	16.08	30.41	13.00	23.00	75.00	166.67
Rakhine								
Number of pond culture	184	1,182	513	659	477	358	71	3,444
Area of pond culture (acre)	99.60	2,140.39	1,846.69	4,496.09	6,355.70	10,269.24	5,877.76	31,085.47
Yangon								
Number of pond culture	137	476	258	358	240	198	98	1,765
Area of pond culture (acre)	80.34	821.19	933.34	2,400.40	3,139.89	5,636.42	12,372.45	25,384.03
Shan South								
Number of pond culture	53	28	6	5	-	-	2	94
Area of pond culture (acre)	17.36	35.45	21.56	31.45	-	-	142.32	248.14
Shan North								
Number of pond culture	35	4	-	-	-	-	-	39
Area of pond culture (acre)	9.45	5.23	-	-	-	-	-	14.68
Shan East								
Number of pond culture	643	191	20	6	-	*	-	861
Area of pond culture (acre)	210.17	266.76	71.03	32.13	-	20.10	-	600.19
Ayeyarwady								
Number of pond culture	101	236	196	356	337	241	116	1,583
Area of pond culture (acre)	56.91	400.03	721.84	2,315.30	4,553.59	6,756.43	12,713.19	27,517.29

Source: MCA 2010 Supplementary Module, SLRD

Table C-05. Number and Area of Rice-Cum-Fish Culture Operated by Households during the past twelve months, by Size of the Area of the Rice-cum-Fish Culture, by Region/State, RoUM: 2010

Region/State	Size of the Area of Rice-cum-Fish Culture							Total
	Under 1 acre	1 and Under 3 acres	3 and Under 5 acres	5 and Under 10 acres	10 and Under 20 acres	20 and Under 50 acres	50 and Over acres	
Union of Myanmar								
Number of rice-cum-fish culture	195	303	179	196	235	255	64	1,427
Area of rice-cum-fish culture (acre)	78.76	503.39	652.70	1,310.66	3,224.41	8,050.84	5,060.04	18,880.80
Kayin								
Number of rice-cum-fish culture	7	*	-	-	-	-	-	8
Area of rice-cum-fish culture (acre)	0.07	1.00	-	-	-	-	-	1.07
Tanintharyi								
Number of rice-cum-fish culture	*	-	-	-	-	-	-	*
Area of rice-cum-fish culture (acre)	0.03	-	-	-	-	-	-	0.03
Bago East								
Number of rice-cum-fish culture	49	5	3	*	*	-	-	59
Area of rice-cum-fish culture (acre)	12.77	6.50	11.00	9.00	10.00	-	-	49.27
Bago West								
Number of rice-cum-fish culture	-	-	*	-	-	-	-	*
Area of rice-cum-fish culture (acre)	-	-	3.00	-	-	-	-	3.00
Magway								
Number of rice-cum-fish culture	*	12	-	-	-	-	-	13
Area of rice-cum-fish culture (acre)	0.50	13.50	-	-	-	-	-	14.00
Rakhine								
Number of rice-cum-fish culture	130	218	136	165	203	205	55	1,112
Area of rice-cum-fish culture (acre)	62.07	368.87	500.25	1,121.31	2,801.63	6,401.72	4,532.30	15,788.15
Yangon								
Number of rice-cum-fish culture	-	-	-	*	-	-	-	*
Area of rice-cum-fish culture (acre)	-	-	-	5.00	-	-	-	5.00
Shan South								
Number of rice-cum-fish culture	4	2	2	-	*	-	-	9
Area of rice-cum-fish culture (acre)	0.82	2.00	6.00	-	16.00	-	-	24.82
Ayeyarwady								
Number of rice-cum-fish culture	3	65	37	29	30	50	9	223
Area of rice-cum-fish culture (acre)	2.50	111.52	132.45	175.35	396.78	1,649.12	527.74	2,995.46

Source: MCA 2010 Supplementary Module, SLRD

**Table C-06. Number and Surface Physical Area of Aquafarms Operated by Households during the past 12 months, by Type of Water Used in the Aquafarm, by Region/State, RoUM: 2010**

Region/State	Type of Water Used			
	Fresh	Brackish	Sea	Total
Union of Myanmar				
Number of Aquafarms	8,394	5,040	160	13,594
Total Surface Physical Area (acre)	79,293.08	53,852.42	2,237.37	135,382.87
Kachin				
Number of Aquafarms	44	5	-	49
Total Surface Physical Area (acre)	98.21	3.56	-	101.77
Kayah				
Number of Aquafarms	18	*	-	19
Total Surface Physical Area (acre)	72.45	0.50	-	72.95
Kayin				
Number of Aquafarms	262	5	-	267
Total Surface Physical Area (acre)	55.05	0.06	-	55.11
Chin				
Number of Aquafarms	195	*	-	196
Total Surface Physical Area (acre)	34.08	0.06	-	34.14
Sagaing				
Number of Aquafarms	975	10	-	985
Total Surface Physical Area (acre)	1,941.91	7.55	-	1,949.46
Tanintharyi				
Number of Aquafarms	3	10	19	32
Total Surface Physical Area (acre)	22.24	80.73	135.00	237.97
Bago East				
Number of Aquafarms	218	*	-	219
Total Surface Physical Area (acre)	1,104.03	0.52	-	1,104.55
Bago West				
Number of Aquafarms	823	7	-	830
Total Surface Physical Area (acre)	8,914.12	85.68	-	8,999.80
Magway				
Number of Aquafarms	154	*	-	155
Total Surface Physical Area (acre)	137.07	1.96	-	139.03
Mandalay				
Number of Aquafarms	371	7	-	378
Total Surface Physical Area (acre)	3,295.70	30.52	-	3,326.22
Mon				
Number of Aquafarms	24	3	2	29
Total Surface Physical Area (acre)	169.02	0.70	0.55	170.27
Rakhine				
Number of Aquafarms	585	4,527	97	5,209
Total Surface Physical Area (acre)	7,567.07	45,655.80	586.12	53,808.99
Yangon				
Number of Aquafarms	1,841	29	-	1,870
Total Surface Physical Area (acre)	24,079.75	1,868.56	-	25,948.31
Shan South				
Number of Aquafarms	111	-	-	111
Total Surface Physical Area (acre)	277.03	-	-	277.03
Shan North				
Number of Aquafarms	46	*	-	47
Total Surface Physical Area (acre)	21.75	0.10	-	21.85
Shan East				
Number of Aquafarms	927	13	-	940
Total Surface Physical Area (acre)	685.77	6.38	-	692.15
Ayeyarwady				
Number of Aquafarms	1,797	419	42	2,258
Total Surface Physical Area (acre)	30,817.83	6,109.74	1,515.70	38,443.27

Source: MCA 2010 Supplementary Module, SLRD



Table C-07. Number and Total Surface Physical Area of Aquafarms Operated by Households during the past 12 months, by Main Specie Cultured, by Region/State, RoUM: 2010

Region/State	Main Specie Culture											
	Cattfish	Snakehead	Common Carp	Chinese Carp	Tilapia	Sea bass	Rohu (myit chie)	Shrimp/Prawn	Crab	Eel	Seaweeds	Other Species
Union of Myanmar												
Number of Aquafarms	344	259	690	1,584	1,019	29	3,480	5,918	13	16	22	230
Total Surface Physical Area (acre)	845.00	1,592.95	3,337.52	14,571.33	1,640.03	149.29	46,203.24	66,041.68	206.55	23.70	148.83	622.75
Kachin												
Number of Aquafarms	4	-	20	9	9	-	5	-	-	-	-	2
Total Surface Physical Area (acre)	16.00	-	45.79	10.67	25.65	-	3.01	-	-	-	-	0.85
Kayah												
Number of Aquafarms	*	-	5	10	-	-	*	-	-	-	*	*
Total Surface Physical Area (acre)	1.00	-	13.37	51.98	-	-	0.50	-	-	-	3.10	3.00
Kayin												
Number of Aquafarms	117	114	2	8	4	-	2	5	-	-	-	15
Total Surface Physical Area (acre)	4.56	40.59	1.02	1.74	3.03	-	1.50	2.03	-	-	-	0.64
Chin												
Number of Aquafarms	*	-	184	3	-	-	8	-	-	-	-	-
Total Surface Physical Area (acre)	0.10	-	32.12	0.65	-	-	1.27	-	-	-	-	-
Sagay												
Number of Aquafarms	13	9	207	435	32	2	244	-	-	-	-	43
Total Surface Physical Area (acre)	51.39	13.89	416.27	908.00	29.31	5.00	500.38	-	-	-	-	25.22
Tanintharyi												
Number of Aquafarms	-	-	-	-	3	3	-	2	2	-	19	3
Total Surface Physical Area (acre)	-	-	-	-	13.00	37.00	-	42.64	5.40	-	135.00	4.93
Bago East												
Number of Aquafarms	29	75	7	29	48	-	10	-	-	3	*	17
Total Surface Physical Area (acre)	81.23	125.13	34.76	48.69	35.50	-	769.53	-	-	0.70	0.23	8.78
Bago West												
Number of Aquafarms	10	6	114	262	13	-	410	-	-	-	-	15
Total Surface Physical Area (acre)	44.56	14.45	1,644.29	2,901.39	49.19	-	4,300.46	-	-	-	-	45.46
Magway												
Number of Aquafarms	*	3	5	93	36	-	5	-	-	12	-	-
Total Surface Physical Area (acre)	0.80	1.73	5.08	99.42	15.40	-	3.60	-	-	13.00	-	-
Mandalay												
Number of Aquafarms	9	3	18	252	14	-	66	-	-	-	-	16
Total Surface Physical Area (acre)	128.15	17.75	489.99	2,067.30	349.69	-	252.34	-	-	-	-	21.00
Mon												
Number of Aquafarms	2	*	*	10	3	8	2	*	-	-	-	*
Total Surface Physical Area (acre)	7.00	0.30	2.00	47.31	7.55	76.70	5.91	23.00	-	-	-	0.50
Rakhine												
Number of Aquafarms	8	11	-	*	13	5	-	5,161	7	*	-	2
Total Surface Physical Area (acre)	165.38	77.90	-	1.00	17.20	18.00	-	53,442.05	75.96	10.00	-	1.50
Yangon												
Number of Aquafarms	5	3	11	184	13	*	1,496	126	-	-	-	31
Total Surface Physical Area (acre)	15.50	72.00	317.95	2,688.10	70.03	4.00	20,263.12	2,388.40	-	-	-	131.21
Shan South												
Number of Aquafarms	2	*	34	47	18	-	-	-	-	-	-	9
Total Surface Physical Area (acre)	0.09	0.22	71.21	35.18	162.85	-	-	-	-	-	-	6.48
Shan North												
Number of Aquafarms	6	-	4	15	16	-	6	-	-	-	-	47
Total Surface Physical Area (acre)	2.20	-	2.48	4.24	5.71	-	7.22	-	-	-	-	21.85
Shan East												
Number of Aquafarms	69	8	49	37	747	-	7	-	*	-	-	22
Total Surface Physical Area (acre)	18.22	2.92	50.95	31.98	548.88	-	27.83	-	0.19	-	-	11.18
Ayeyarwady												
Number of Aquafarms	67	25	19	189	50	10	1,218	623	3	-	*	53
Total Surface Physical Area (acre)	308.82	1,226.07	210.24	5,674.68	307.04	8.59	20,066.57	10,143.56	125.00	-	10.50	362.20

Source: MCA 2010 Supplementary Module, SLIC

Table C-08. Number of Aquafarms Operated by Households during the past 12 months, by Type of Production Facility, by Main Specie Cultured, by Region/State, RoUM: 2010

Region/State/Type of Production Facility	Main Specie Cultured												Total
	Catfish	Snakehead	Common Carp	Chinese Carp	Tilapia	Sea bass	Rohu (myit chin)	Shrimp/Prawn	Crab	Eel	Seaweeds	Other Species	
Union of Myanmar													
Total	344	259	680	1,584	1,019	29	3,480	5,918	13	16	22	230	13,594
Pond	288	212	662	1,554	970	11	3,445	3,880	9	*	3	210	11,245
Pen	21	6	6	17	10	11	12	481	2	-	-	6	572
Cage	5	*	*	*	2	5	3	115	2	-	-	-	135
Cement Tanks	*	-	3	2	*	*	*	-	-	-	-	-	9
Paddy Fields	26	37	5	5	31	-	19	1,279	-	12	-	6	1,420
Other	3	3	3	5	5	*	-	163	-	3	19	8	213
Kachin													
Total	4	-	20	9	9	-	5	-	-	-	-	2	49
Pond	3	-	18	9	9	-	5	-	-	-	-	2	46
Pen	-	-	*	-	-	-	-	-	-	-	-	-	*
Other	*	-	*	-	-	-	-	-	-	-	-	-	2
Kayah													
Total	*	-	5	10	-	-	*	-	-	-	*	*	19
Pond	*	-	5	10	-	-	*	-	-	-	*	*	19
Kayah													
Total	117	114	2	8	4	-	2	5	-	-	-	15	267
Pond	112	110	2	6	4	-	2	3	-	-	-	15	254
Pen	-	-	-	*	-	-	-	*	-	-	-	-	2
Paddy Fields	5	3	-	*	-	-	-	*	-	-	-	-	10
Other	-	*	-	-	-	-	-	-	-	-	-	-	*
Chin													
Total	*	-	184	3	-	-	8	-	-	-	-	-	196
Pond	*	-	181	3	-	-	8	-	-	-	-	-	193
Pen	-	-	2	-	-	-	-	-	-	-	-	-	2
Other	-	-	*	-	-	-	-	-	-	-	-	-	*
Sagaing													
Total	13	9	207	435	32	2	244	-	-	-	-	43	985
Pond	11	9	206	434	31	2	244	-	-	-	-	43	980
Pen	-	-	*	-	*	-	-	-	-	-	-	-	2
Cage	*	-	-	-	-	-	-	-	-	-	-	-	*
Cement Tanks	*	-	-	*	-	-	-	-	-	-	-	-	2
Tanintharyi													
Total	-	-	-	-	3	3	-	2	2	-	19	3	32
Pond	-	-	-	-	2	-	-	*	2	-	-	2	7
Pen	-	-	-	-	-	-	-	*	-	-	-	-	*
Cage	-	-	-	-	*	2	-	-	-	-	-	-	3
Paddy Fields	-	-	-	-	-	-	-	-	-	-	-	*	*
Other	-	-	-	-	-	*	-	-	-	-	19	-	20
Bago East													
Total	29	75	7	29	48	-	10	-	-	3	*	17	219
Pond	24	46	6	27	27	-	10	-	-	-	*	12	153
Pen	-	-	-	-	2	-	-	-	-	-	-	-	2
Paddy Fields	5	28	*	2	19	-	-	-	-	-	-	2	57
Other	-	*	-	-	-	-	-	-	-	3	-	3	7
Bago West													
Total	10	6	114	252	13	-	410	-	-	-	-	15	830
Pond	9	5	112	254	13	-	407	-	-	-	-	12	812
Pen	-	*	2	7	-	-	3	-	-	-	-	2	15
Cage	*	-	-	-	-	-	-	-	-	-	-	-	*
Other	-	-	-	*	-	-	-	-	-	-	-	*	2

Source: MCA 2010 Supplementary Module, SLRD

Table C-08. Number of Aquafarms Operated by Households during the past 12 months, by Type of Production Facility, by Main Specie Cultured, by Region/State, RoUM: 2010 (Cont.)

Region/State/Type of Production Facility	Main Specie Cultured												
	Catfish	Snakehead	Common Carp	Chinese Carp	Tilapia	Sea bass	Rohu (myit chin)	Shrimp/Prawn	Crab	Eel	Seaweeds	Other Species	Total
Magway													
Total	*	3	5	93	36	-	5	-	-	12	-	-	155
Pond	*	2	5	91	35	-	5	-	-	-	-	-	139
Pen	-	-	-	2	*	-	-	-	-	-	-	-	3
Paddy Fields	-	*	-	-	-	-	-	-	-	12	-	-	13
Mandalay													
Total	9	3	18	252	14	-	66	-	-	-	-	16	378
Pond	8	3	18	249	11	-	66	-	-	-	-	16	371
Pen	-	-	-	*	3	-	-	-	-	-	-	-	4
Paddy Fields	*	-	-	*	-	-	-	-	-	-	-	-	2
Other	-	-	-	*	-	-	-	-	-	-	-	-	*
Mon													
Total	2	*	*	10	3	8	2	*	-	-	-	*	29
Pond	2	-	*	10	3	5	2	*	-	-	-	*	25
Pen	-	*	-	-	-	2	-	-	-	-	-	-	3
Cage	-	-	-	-	-	*	-	-	-	-	-	-	*
Rakhine													
Total	8	11	-	*	13	5	-	5,161	7	*	-	2	5,209
Pond	5	7	-	*	10	3	-	3,451	3	*	-	2	3,483
Pen	*	*	-	-	2	-	-	434	2	-	-	-	440
Cage	2	-	-	-	-	*	-	51	2	-	-	-	56
Cement Tanks	-	-	-	-	-	*	-	-	-	-	-	-	*
Paddy Fields	-	2	-	-	-	-	-	1,106	-	-	-	-	1,108
Other	-	*	-	-	*	-	-	119	-	-	-	-	121
Yangon													
Total	5	3	11	184	13	*	1,496	126	-	-	-	31	1,670
Pond	5	3	11	184	13	*	1,489	125	-	-	-	31	1,662
Pen	-	-	-	-	-	-	6	-	-	-	-	-	6
Cement Tanks	-	-	-	-	-	-	*	-	-	-	-	-	*
Other	-	-	-	-	-	-	-	*	-	-	-	-	*
Shan South													
Total	2	*	34	47	18	-	-	-	-	-	-	9	111
Pond	*	*	29	46	16	-	-	-	-	-	-	4	97
Pen	*	-	-	-	-	-	-	-	-	-	-	2	3
Cage	-	-	-	*	-	-	-	-	-	-	-	-	*
Cement Tanks	-	-	*	-	-	-	-	-	-	-	-	-	*
Paddy Fields	-	-	4	-	2	-	-	-	-	-	-	3	9
Shan North													
Total	6	-	4	15	16	-	6	-	-	-	-	-	47
Pond	5	-	4	14	16	-	6	-	-	-	-	-	45
Cage	*	-	-	-	-	-	-	-	-	-	-	-	*
Cement Tanks	-	-	-	*	-	-	-	-	-	-	-	-	*
Shan East													
Total	69	8	49	37	747	-	7	-	*	-	-	22	940
Pond	69	8	48	36	745	-	6	-	*	-	-	22	935
Pen	-	-	-	-	-	-	*	-	-	-	-	-	*
Cement Tanks	-	-	*	-	*	-	-	-	-	-	-	-	2
Other	-	-	-	*	*	-	-	-	-	-	-	-	2
Ayeyarwady													
Total	67	25	19	189	50	10	1,218	623	3	-	*	53	2,258
Pond	31	18	16	180	35	-	1,194	299	3	-	*	47	1,824
Pen	19	3	-	6	*	9	2	45	-	-	-	2	87
Cage	-	*	*	-	*	*	3	64	-	-	-	-	71
Cement Tanks	-	-	*	-	-	-	-	-	-	-	-	-	*
Paddy Fields	15	3	-	*	10	-	19	172	-	-	-	-	220
Other	2	-	*	2	3	-	-	43	-	-	-	4	55

Source: MCA 2010 Supplementary Module, SLRD

**Table C-09. Number of Aquafarms Operated by Households during the past 12 months, by Means of Disposal of Main Specie Cultured, by Region/State, RoUM: 2010**

Region/State	Means of Disposal of Main Specie Cultured				Total Number of Aquafarms Reporting
	Consumed	Sold	Given Away	Other Means of Disposal	
Union of Myanmar	7,254	11,718	2,055	94	13,594
Kachin	34	35	10	-	49
Kayah	15	16	2	-	19
Kayin	126	119	5	19	267
Chin	179	51	6	*	196
Sagaing	690	810	286	22	985
Tanintharyi	25	30	3	-	32
Bago East	93	147	11	-	219
Bago West	318	662	92	2	830
Magway	91	149	16	-	155
Mandalay	103	285	36	5	378
Mon	11	23	2	-	29
Rakhine	2,751	4,899	502	4	5,209
Yangon	934	1,646	500	5	1,870
Shan South	81	85	22	-	111
Shan North	39	24	*	2	47
Shan East	837	680	424	21	940
Ayeyarwady	927	2,057	137	13	2,258

Source: MCA 2010 Supplementary Module, SLRD

**Table C-10. Number of Household Aquafarms Producing Fry and/or Fingerlings during the past 12 months, by Type of Aquaculture, by Region/State, RoUM: 2010**

Region/State/Type of Aquaculture	Producing	
	Fry	Fingerlings
Union of Myanmar	800	2,575
Hatchery/Nursery	203	403
Pond Culture	597	2,172
Kachin	11	8
Hatchery/Nursery	*	*
Pond Culture	10	7
Kayah	3	2
Hatchery/Nursery	*	*
Pond Culture	2	*
Kayin	2	*
Hatchery/Nursery	*	*
Pond Culture	*	-
Chin	36	63
Hatchery/Nursery	25	25
Pond Culture	11	38
Pen Culture	-	-
Cage Culture	-	-
Sagaing	47	43
Hatchery/Nursery	7	6
Pond Culture	40	37
Pen Culture	-	-
Cage Culture	-	-
Tanintharyi	2	2
Hatchery/Nursery	*	*
Pond Culture	-	-
Pen Culture	-	-
Cage Culture	*	*
Bago East	28	6
Hatchery/Nursery	2	*
Pond Culture	26	5
Bago West	50	53
Hatchery/Nursery	36	34
Pond Culture	14	19
Magway	*	*
Hatchery/Nursery	-	-
Pond Culture	*	*
Mandalay	33	41
Hatchery/Nursery	7	5
Pond Culture	26	36
Mon	*	2
Hatchery/Nursery	*	*
Pond Culture	-	*
Rakhine	270	1,163
Hatchery/Nursery	78	69
Pond Culture	192	1,094
Yangon	58	661
Hatchery/Nursery	19	37
Pond Culture	39	624
Shan South	3	3
Hatchery/Nursery	*	*
Pond Culture	2	2
Shan North	-	*
Hatchery/Nursery	-	-
Pond Culture	-	*
Shan East	214	10
Hatchery/Nursery	4	3
Pond Culture	210	7
Ayeyarwady	41	515
Hatchery/Nursery	19	217
Pond Culture	22	298

Source: MCA 2010 Supplementary Module, SLRD



Table C-11. Number of Household Aquaculture Holdings that Used Machinery/Equipment during the past twelve months, by Type of Machinery/Equipment, by Region/State, RoUM: 2010

Region/State	Type of Machinery/Equipment							Total Number of Reporting Household Aquaculture Holdings
	Generator	Water Pump	Aerator	Feed Mixer/Mill/ Extruder	Vehicle solely used for Aquaculture	Tractor solely used for Aquaculture	Other Types	
Union of Myanmar	286	4,988	54	93	1,260	151	1,729	5,864
Kachin	-	28	-	-	-	*	6	30
Kayah	*	17	-	-	4	-	2	17
Kayin	-	72	13	*	3	28	10	86
Chin	-	-	-	-	-	*	29	30
Sagaing	*	457	-	10	42	5	44	487
Tanintharyi	4	12	3	*	12	3	4	15
Bago East	4	162	3	5	12	3	3	164
Bago West	10	622	-	3	5	*	14	631
Magway	-	44	-	-	3	-	19	60
Mandalay	17	227	3	9	87	7	45	232
Mon	3	15	*	-	9	-	8	22
Rakhine	2	16	2	2	200	26	423	573
Yangon	30	1,619	9	10	415	30	488	1,638
Shan South	*	18	*	*	3	-	4	20
Shan North	-	11	-	*	2	*	5	17
Shan East	2	116	4	16	29	*	90	212
Ayeyarwady	211	1,552	15	34	434	44	535	1,630

Source: MCA 2010 Supplementary Module, SLRD

**Table C-12. Number of Outside Workers in the Household Aquaculture Holdings during the past 12 months, by Sex and Type of Workers, by Region/State, RoUM: 2010**

Region/State	Type of Workers			Total Number of Workers
	Manager	Aquafarm Laborer	Other Workers	
Union of Myanmar				
Total Workers	180	23,974	33,939	58,093
Male Workers	154	19,933	28,185	48,272
Female Workers	26	4,041	5,754	9,821
Kachin				
Total Workers	*	24	8	33
Male Workers	*	22	8	31
Female Workers	-	2	-	2
Kayah				
Total Workers	-	123	79	202
Male Workers	-	84	63	147
Female Workers	-	39	16	55
Kayin				
Total Workers	*	14	10	25
Male Workers	*	10	10	21
Female Workers	-	4	-	4
Chin				
Total Workers	-	30	*	31
Male Workers	-	30	*	31
Female Workers	-	-	-	-
Sagaing				
Total Workers	22	2,055	981	3,058
Male Workers	12	1,595	898	2,505
Female Workers	10	460	83	553
Tanintharyi				
Total Workers	5	115	18	138
Male Workers	5	95	12	112
Female Workers	-	20	6	26
Bago East				
Total Workers	2	135	130	267
Male Workers	*	122	96	219
Female Workers	*	13	34	48
Bago West				
Total Workers	13	1,462	1,619	3,094
Male Workers	13	1,290	1,151	2,454
Female Workers	-	172	468	640
Magway				
Total Workers	2	75	66	143
Male Workers	2	55	53	110
Female Workers	-	20	13	33
Mandalay				
Total Workers	20	1,747	1,240	3,007
Male Workers	20	1,398	1,022	2,440
Female Workers	-	349	218	567
Mon				
Total Workers	2	24	4	30
Male Workers	2	24	4	30
Female Workers	-	-	-	-
Rakhine				
Total Workers	34	5,045	7,302	12,381
Male Workers	31	4,605	5,029	9,665
Female Workers	3	440	2,273	2,716
Yangon				
Total Workers	11	5,508	12,401	17,920
Male Workers	11	4,691	11,514	16,216
Female Workers	-	817	887	1,704
Shan South				
Total Workers	3	42	13	58
Male Workers	2	33	11	46
Female Workers	*	9	2	12
Shan North				
Total Workers	-	3	51	54
Male Workers	-	3	46	49
Female Workers	-	-	5	5
Shan East				
Total Workers	-	66	30	96
Male Workers	-	49	18	67
Female Workers	-	17	12	29
Ayeyarwady				
Total Workers	64	7,506	9,986	17,556
Male Workers	53	5,827	8,249	14,129
Female Workers	11	1,679	1,737	3,427

Source: MCA 2010 Supplementary Module, SLRD

## **Selected Tables by Location of the Parcels**

Table 01. Area Planted to Major Crops During the past 12 months, by Kind of Major Crops, by Location of Parcels, RoUM: 2010

(Unit - acre)

District Location of Parcel	Kind of Cereals for Grain Planted		Kind of Pulses Planted			Kind of Oil Seed Crops Planted			Sugarcane	Long Staple Cotton
	Paddy	Maize (Seed)	Black Gram (Matpe)	Green Gram (Pedesein)	Pigeon pea	Groundnut	Sunflower	Sesame		
Union of Myanmar	22,866,963.99	1,083,886.74	5,814,437.92	3,785,559.69	2,514,678.44	1,823,002.77	510,655.68	3,837,255.18	307,694.80	189,592.34
Myitkyina	149,180.09	54,908.74	4.62	-	-	58.14	2.00	6,188.69	7.00	-
Mohrynin	294,411.87	54.99	-	4.00	-	7,915.79	487.85	1,087.81	30.92	-
Bhamo	123,097.40	9,120.16	107.14	66.73	-	13,658.91	-	5,554.16	1,151.02	-
Putao	56,202.19	1,146.58	-	-	-	29.98	-	6.20	-	-
Loikaw	69,062.30	23,545.57	52.02	901.74	11,830.40	2,340.90	536.46	980.52	-	-
Bawlake	1,015.80	-	-	7.00	83.92	56.00	-	10,201.20	-	-
Hpa-An	141,439.88	0.80	492.91	2,737.72	3.00	4,740.55	399.53	270.29	283.01	-
Myawaddy	5,284.26	3,065.53	-	3,092.29	-	2,205.82	-	-	-	-
Kawkaareik	41,245.78	-	278.15	234.25	-	911.20	-	-	-	-
Falam	45,473.54	63,442.50	-	270.87	151.23	581.24	144.93	810.12	17.31	-
Mindat	57,113.15	19,215.57	1,069.18	0.17	105.13	3,023.50	10.07	1,782.99	-	-
Sagaing	70,124.02	13,912.47	7,533.18	36,953.88	65,367.23	102,357.48	6,388.61	96,017.61	35.55	9,565.49
Shwebo	1,922,403.19	169,223.42	61,505.44	178,600.96	504,407.46	342,887.99	16,055.81	239,034.08	73,689.35	4,289.67
Monywa	307,961.43	4,303.47	10,378.56	94,282.56	420,513.31	138,363.84	56,292.42	591,363.96	-	19,494.01
Katha	461,453.96	40.19	9,968.32	283.70	248.84	49,986.76	15,014.84	78,101.15	117,572.77	-
Kale	288,262.49	7,339.05	1,654.09	8,463.78	5,981.05	40,559.11	67,438.80	59,565.10	-	-
Tamu	40,447.36	1.20	189.35	114.48	-	514.22	364.76	1,934.16	68.30	-
Mawlaik	98,556.88	363.78	493.72	141.45	63.63	13,821.85	2,552.33	348.81	-	-
Hkamti	130,342.94	1,482.27	1,096.92	0.50	-	16,702.09	1.00	236.57	-	-
Dawei	93,726.53	-	713.64	-	-	3.65	-	2.55	14.71	-
Myeik	120,096.76	-	-	-	-	-	-	-	2.00	-
Kawthoung	4,993.05	-	-	-	2.00	-	-	-	1.50	-
Bago	1,352,858.17	1.00	794,127.22	756,310.10	15.00	12,904.96	10,078.29	635.00	9.98	-
Taungoo	726,443.45	6,122.73	682,073.70	12,017.26	-	17,837.05	11,623.03	24,170.46	34,939.91	-
Pyaw	621,931.01	10.75	254,192.71	26,910.34	26,319.88	66,010.38	496.12	65,280.63	16,115.79	1,088.80
Thayawady	831,962.19	-	889,093.76	819.20	-	7,126.26	29.43	7,568.58	135.81	-
Magway	249,067.98	2,995.63	24,134.94	230,207.86	294,118.42	221,686.27	15,277.55	734,079.47	3,991.22	21,417.29
Minbu	361,684.58	1,023.93	6,341.99	120,524.87	93,183.31	41,868.68	13,891.94	249,340.19	-	21,601.01
Thayet	138,877.31	116.43	20,068.05	113,457.96	149,554.28	91,826.67	973.40	324,105.07	2,897.93	19,662.96
Pakokku	107,827.81	27,853.23	773.27	111,963.69	292,229.07	96,243.41	3,519.08	250,172.92	-	5,638.93
Gangaw	101,979.46	7,921.89	25.54	7,377.88	13,049.62	26,346.13	23,613.87	87,449.54	-	-
Mandalay	114,774.39	22.05	163.64	504.79	4,233.32	7,267.04	338.93	12,186.89	-	346.13
Pyinoolwin	164,476.64	1,481.80	5,717.23	19,837.92	35,018.63	46,244.57	2,739.67	17,559.87	20,209.51	656.34
Kyaukse	300,304.08	64.50	1,128.50	33,287.92	35,862.65	21,381.29	18,083.48	134,237.77	-	30,424.65
Myingyan	95,366.58	6,615.34	1,097.53	24,077.48	225,604.55	116,659.61	3,954.06	348,907.81	-	6,745.15
Nyaung-U	6,371.77	59.65	-	49,239.90	33,128.24	109,925.25	6.10	31,854.03	-	133.04
Yamethin	126,071.28	219.60	113.18	130,038.61	45,742.88	23,203.81	21,454.07	71,471.31	-	25,739.77
Meiktila	266,995.05	1,232.54	84.58	32,900.99	144,248.72	16,327.42	11,280.15	305,285.86	1.00	18,273.25
Naypyitaw	239,127.06	11,737.01	167,247.78	102,089.37	1,595.68	26,572.77	6,121.94	47,630.29	5,067.45	4,511.85
Mawlamyine	539,757.64	-	6,993.75	4,656.32	-	1,841.95	348.59	369.95	217.06	-
Thaon	578,089.12	1.00	6,386.03	80,811.05	-	5,522.68	-	248.48	1,886.64	-
Sittwe	677,009.50	2.30	11,221.49	2,393.79	-	4,041.69	0.20	-	15.56	-
Maungdaw	179,364.24	15.50	1,278.42	15.26	-	689.64	0.40	14.10	-	-
Kyauppyu	169,049.99	-	589.78	94.06	-	6,972.51	22.05	-	-	-
Thandwe	169,313.69	-	1,860.42	4.00	-	10,188.12	8.04	-	243.47	-
Yangon (North)	628,490.22	21.28	188,825.17	46,278.49	-	3,042.11	-	15.00	1,619.65	-
Yangon (East)	40,739.03	-	-	26,410.43	-	-	-	-	-	-
Yangon (South)	1,445,105.50	-	1,050.03	1,272,553.79	14.79	327.50	462.73	-	649.43	-
Yangon (West)	857.92	-	-	-	-	-	-	-	-	-
Taunggyi	257,862.62	198,649.44	-	1,184.84	107,625.24	10,324.32	2,366.58	3,061.73	13,313.94	-
Loilein	20,188.62	3,915.35	-	-	34.37	587.66	-	15.25	-	-
Lingkho	12,843.40	1,453.92	-	1,283.70	1,966.30	1,854.76	61.50	6,354.50	636.59	-
Lashio	117,524.63	103,614.06	-	-	31.37	13,510.18	-	260.14	126.44	-
Muse	104,017.18	62,914.19	-	-	3.82	1,505.33	-	-	3,256.98	-
Kyaikme	183,358.42	186,377.79	89.82	6,499.83	1,261.59	8,089.75	758.91	8,915.40	8,422.06	-
Kunlong	15,754.13	12,051.52	43.92	43.92	-	-	-	-	75.20	-
Kengtung	47,890.23	1,417.63	-	-	-	175.58	-	-	-	4.00
Monghsat	23,048.95	3,742.43	-	4.20	421.14	356.96	-	2,633.61	280.92	-
Tachileik	50,309.41	601.36	11.48	-	-	487.70	-	16.70	-	-
Monghsayak	24,043.71	841.65	-	2.00	4.50	28.56	-	-	4.71	-
Patheingyi	1,526,737.07	15.24	551,950.07	21,274.76	-	10,676.92	3,167.40	5.12	532.26	-
Hinthada	773,021.92	67,778.56	1,036,304.64	18,546.14	542.64	41,624.71	68,750.43	7,845.98	148.12	-
Myaungmya	1,057,540.21	55.82	263,313.64	108,908.51	0.30	1,843.73	4,598.10	1,732.44	-	-
Maubin	747,356.78	1,773.33	688,601.78	8,871.76	-	2,025.10	116,450.89	-	23.73	-
Pyawb	2,019,751.76	-	20,793.85	2,472.73	-	150.76	4,320.56	-	-	-
Laputta	1,069,884.42	-	93,206.77	85,527.89	110.43	6,983.96	148.98	345.12	-	-

Source: MCA 2010 Supplementary Module, SLRD

Table 02-A. Area Planted to Cereals (for Grain) Crops During the past 12 months, by Kind of Cereal Crops, by Location of Parcels, RoUM: 2010  
(Unit - acre)

District Location of Parcel	Kind of Cereals for Grain Planted						
	Paddy	Wheat	Flower Wheat	Millet Sorghum	Maize (Seed)	Maize (Cob)	Other Grain
Union of Myanmar	22,866,963.99	263,301.08	2,439.35	290,613.08	1,083,886.74	84,941.74	5,541.56
Myitkyina	149,180.09	2.50	8.30	8.25	54,908.74	207.50	-
Mohnyin	294,411.87	-	9.30	-	54.99	59.39	-
Bhamo	123,097.40	-	23.25	-	9,120.16	89.23	-
Putao	56,202.19	25.60	-	52.23	1,146.58	612.26	45.50
Loikaw	69,082.30	-	-	2,109.16	23,545.57	465.06	-
Bawlake	1,015.80	-	-	624.00	-	1.73	-
Hpa-An	141,439.88	-	-	-	0.80	103.81	0.25
Myawaddy	5,284.26	-	-	-	3,085.53	10.50	-
Kawkareik	41,245.78	-	-	-	-	82.83	-
Falam	45,473.54	445.28	12.57	316.99	63,442.50	3.47	795.85
Mindat	57,113.15	28.25	4.60	1,611.93	19,215.57	545.07	2,385.12
Sagaing	70,124.02	87,704.68	92.21	11,576.21	13,912.47	9,740.01	-
Shwebo	1,922,403.19	61,045.85	463.52	4,018.32	169,223.42	6,075.57	566.43
Monywa	307,961.43	70,673.43	83.75	49,889.24	4,303.47	10,180.79	34.49
Katha	461,453.96	35.12	3.00	107.00	40.19	565.52	-
Kale	288,262.49	576.80	39.81	280.30	7,339.05	2,058.96	-
Tamu	40,447.36	-	16.00	2.25	1.20	247.20	-
Mawlaik	98,556.88	-	-	-	363.78	585.88	8.13
Hkamti	130,342.94	483.70	1.50	29.40	1,482.27	957.16	-
Dawei	93,726.53	-	-	-	-	14.64	-
Myeik	120,096.76	165.76	-	-	-	-	-
Kawthoung	4,993.05	-	-	-	-	-	-
Bago	1,352,858.17	69.80	155.00	-	1.00	80.96	-
Taungoo	726,443.45	-	-	-	6,122.73	29.86	-
Pyay	621,931.01	-	-	-	10.75	3,403.84	-
Thayarwady	831,962.19	-	-	-	-	213.33	-
Magway	249,067.98	34.75	41.34	6,464.88	2,995.63	8,146.09	103.25
Minbu	391,684.58	457.66	207.89	2,024.65	1,023.93	2,713.35	14.71
Thayet	138,877.31	14.89	-	5,754.46	116.43	1,507.96	-
Pakokku	107,827.81	749.76	139.34	66,971.69	27,853.23	2,245.26	66.82
Gangaw	101,979.46	16.27	-	2.50	7,921.89	899.07	-
Mandalay	114,774.39	67.77	3.74	29.56	22.05	404.40	-
Pyinoolwin	164,476.64	2,154.40	-	361.25	1,481.80	7,426.57	4.67
Kyaukse	300,304.08	7,404.35	-	9,445.82	64.50	3.20	-
Myingyan	95,386.58	6,255.98	92.65	71,108.91	6,615.34	3,221.68	1,050.33
Nyaung-U	6,371.77	-	-	8,634.14	59.65	117.84	-
Yamethin	126,071.28	14.96	63.58	4,793.48	219.60	521.67	4.50
Meiktila	266,995.05	25.03	32.89	43,222.12	1,232.54	392.71	9.59
Naypyitaw	239,127.06	32.75	15.31	7.48	11,737.01	2,617.98	-
Mawlamyine	539,757.64	15.87	-	-	-	234.27	13.92
Thaton	578,089.12	3.00	72.98	3.55	1.00	80.06	-
Sittwe	677,009.50	0.20	3.96	78.51	2.30	39.54	-
Maungdaw	179,364.24	39.08	55.11	16.21	15.50	25.87	-
Kyaukpyu	169,049.99	-	3.79	-	-	100.19	-
Thandwe	169,313.69	-	16.35	-	-	-	-
Yangon (North)	628,490.22	-	-	-	21.28	178.50	0.50
Yangon (East)	40,739.03	-	-	-	-	-	-
Yangon (South)	1,445,105.50	-	-	-	-	120.01	-
Yangon (West)	857.92	-	-	-	-	-	-
Taunggyi	257,862.62	10,247.98	70.40	674.69	198,649.44	1,448.73	15.72
Loilein	20,188.62	-	-	-	3,915.35	474.69	-
Lingkho	12,843.40	-	-	-	1,453.92	15.75	-
Lashio	117,524.63	-	-	-	103,614.06	17.39	-
Muse	104,017.18	4,461.99	187.37	30.20	62,914.19	-	406.41
Kyaukme	183,358.42	9,626.86	47.00	-	186,377.79	50.51	15.37
Kunlong	15,754.13	-	-	-	12,051.52	-	-
Kengtung	47,890.23	19.19	-	-	1,417.63	-	-
Monghsat	23,048.95	-	-	1.30	3,742.43	33.19	-
Tachileik	50,309.41	-	-	-	601.36	554.31	-
Monghyak	24,043.71	-	-	-	841.65	0.20	-
Patheingyi	1,526,737.07	141.69	-	101.94	15.24	538.53	-
Hinthada	773,021.92	132.66	154.49	1.00	67,778.56	3,089.11	-
Myaungmya	1,057,540.21	67.00	204.05	221.49	55.82	612.93	-
Maubin	747,356.78	60.22	26.93	37.97	1,773.33	10,773.06	-
Pyapon	2,019,751.76	-	-	-	-	-	-
Laputta	1,099,884.42	-	87.37	-	-	2.55	-

Source: MCA 2010 Supplementary Module, SLRD



Table 02-B. Area Planted to Temporary Crops During the past 12 months, by Kind of Temporary Crops, by Location of Parcels, RoLIM: 2010

District Location of Parcel	Kind of Pulses Planted																(Unit - acre)
	Black Gram (Matpe)	Green Gram (Pedeulin)	Butter Bean	Cow pea (Bocate)	Sultani	Sultapya	Soya bean	Chick pea	Pelun	Pigeon pea	Rice bean (Peyin)	Duffin bean (Pebugale)	Lablab bean (Pegy)	Lima bean (Peyga)	Mung bean (Penaug)	Other pulses	
Union of Myanmar	5,614,437.92	3,785,559.69	112,700.05	128,061.07	35,636.00	97,970.78	151,086.77	1,125,588.28	163,431.09	2,514,678.44	75,569.17	18,707.63	233,874.93	25,394.66	136,560.22	316,238.91	
Myitkyaia	4.62	-	4.72	2.00	-	-	883.96	-	5.00	-	-	0.06	-	-	-	2,268.61	
Mohayin	-	4.00	-	-	-	-	5,129.00	4.00	-	-	-	29.05	-	-	15.00	1,835.37	
Bhamo	107.14	66.73	266.43	-	-	-	581.67	35.73	702.41	-	-	48.09	10.00	151.38	198.60	7,199.35	
Pada-O	-	-	-	-	-	-	16.00	-	-	-	-	-	-	0.10	-	155.77	
Lokaw	52.02	901.74	35.35	-	-	-	153.32	-	2.57	11,830.40	15.61	-	-	601.77	-	174.88	
Bawlake	-	7.00	-	0.45	-	-	-	-	-	83.92	-	-	55.50	-	-	-	
Hpa-An	492.91	2,737.72	-	263.40	0.15	-	937.29	-	19.72	3.00	-	19.77	-	11.10	-	18.12	
Myawaddy	-	3,092.29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Kawkaek	276.15	-	-	-	-	-	-	-	203.00	-	-	-	-	-	-	-	
Falam	-	270.87	86.36	30.25	-	12.85	1,076.37	0.25	4,423.57	151.23	10,818.63	-	-	7.61	10.06	29.03	
Mindat	1,069.18	0.17	2.25	22.73	-	-	137.10	0.10	35.15	105.13	442.32	411.10	804.28	1,254.87	8.90	1,398.58	
Sagaing	7,633.18	36,953.88	464.41	-	316.14	4,357.38	7,013.15	67,439.92	3,907.13	65,307.23	236.45	-	5,906.49	1,254.87	-	3,532.88	
Shwebo	61,505.44	178,600.96	10,463.14	204.21	4,096.55	22,694.78	1,066.62	150,417.69	544.79	504,407.46	521.74	438.17	4,059.21	1,049.21	863.60	73,139.74	
Monywa	10,378.66	94,282.66	4,814.24	60.00	1,880.65	43,039.42	150.68	300,821.23	365.60	420,513.81	9.95	-	16,316.66	480.56	303.46	7,708.42	
Katha	9,986.32	283.70	1,738.49	262.53	16.00	8,799.84	73.01	720.89	248.84	-	8,111.92	206.04	164.48	1.00	1,279.13	56,130.59	
Kile	1,654.09	8,463.78	13.32	42.34	4,588.12	23,353.38	7,777.77	7,473.40	990.52	5,981.05	2,010.27	324.38	8,943.51	45.52	67.97	15,793.81	
Tamu	189.35	114.45	-	0.45	-	-	28.28	0.25	-	-	2.00	109.30	-	1.00	-	2,903.11	
Mawlaik	493.72	141.45	-	19.75	-	-	2,219.45	3.00	1.00	63.63	-	3.02	18.17	253.25	-	13,611.73	
Hkamti	1,066.92	0.50	-	-	-	-	-	31.17	-	-	-	-	36.50	-	-	26,265.06	
Dawei	713.64	-	-	-	-	-	-	-	18.16	-	-	-	-	-	-	-	
Myeik	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Kawthoung	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Bago	794,127.22	766,310.10	-	12,053.61	-	-	-	-	7,187.67	15.00	-	12,022.94	-	-	-	0.20	
Taungtha	682,073.70	12,017.26	-	48.38	2,823.21	-	-	-	81.79	-	-	-	47.56	-	-	91.46	
Pyya	254,192.71	26,910.34	3,966.01	2,103.40	82.68	-	-	7,610.04	147.45	26,319.86	9.07	0.45	5,433.15	237.15	2,553.29	3.34	
Thayawady	899,093.76	619.20	2,810.48	4,272.76	69.41	241.79	11,207.10	7,441.73	15,094.14	-	74.51	178.83	10,305.24	237.15	-	2,492.44	
Magway	24,134.94	230,207.89	404.94	153.28	32.75	14.88	26.25	19,433.11	12,227.39	294,118.42	94.50	105.94	24,410.85	652.43	50,280.14	-	
Mimba	6,341.99	120,524.87	20,050.29	120.36	1.25	14.93	2.00	134,283.34	387.23	93,183.31	52.40	167.06	48,135.76	188.54	5,714.75	13,810.18	
Thayeth	20,066.05	113,457.66	116.74	74.93	37.57	-	-	55,898.37	151.59	149,554.26	-	-	28,235.65	166.70	166.70	530.96	
Pakokku	773.27	111,963.69	1,985.72	57.00	4,301.00	1,264.66	1,924.58	63,228.76	6,305.75	292,229.07	4,616.61	440.26	10,468.65	4,288.07	14,203.87	5,544.44	
Gangaw	25.54	7,377.68	23,164.45	21.88	3,676.69	3.00	1,166.59	5,638.57	1,351.52	13,049.62	7,700.05	3.22	392.30	38.36	9,037.80	19,254.82	
Mandalay	163.64	504.79	2,506.85	1,022.98	1,022.98	-	1,670.88	17,050.50	37.64	4,233.32	9,801.02	-	22.40	91.63	-	52.11	
Pyinodwin	5,717.23	19,837.92	3,271.65	801.15	692.01	184.19	3,566.03	10,960.08	2,560.69	35,018.63	23,643.03	914.30	5,365.30	6,539.58	173.94	30,968.07	
Kyaikse	1,128.50	33,287.92	7,397.75	236.61	1,503.88	52.74	-	103,353.74	-	35,862.65	1,209.78	-	864.82	73.97	-	2,569.90	
Myingyan	1,097.53	24,077.48	14,942.60	1.25	4,174.20	2,366.28	15,195.20	54,150.67	3,230.60	225,604.55	91.26	88.92	1,612.70	5,494.14	45,381.53	2,211.86	
Nyaung-U	-	49,239.00	8.01	357.09	63.75	3.00	-	331.03	4,069.54	33,128.24	52.31	14.82	142.20	24.39	3,019.83	534.70	
Yamethin	113.18	130,938.61	349.94	-	-	-	-	26,039.62	-	45,742.88	-	30.67	3,659.62	126.96	90.95	-	
Makilla	84.58	32,000.99	9,873.76	-	205.89	60.09	-	93,478.87	44.83	144,248.72	-	-	8,508.91	3,608.47	2,825.23	218.85	
Naypyitaw	167,247.78	102,089.37	60.00	-	29.83	-	130.81	5,935.35	-	1,595.68	-	266.11	38,088.46	45.16	29.72	35.27	
Mawlaikine	6,993.75	4,656.32	-	57.10	-	2.71	-	-	197.23	-	-	-	-	14.25	-	36.27	
Thalon	6,396.03	80,811.05	-	417.66	-	-	0.75	-	5,716.35	-	-	-	-	-	-	39.59	
Sittou	11,221.49	2,393.79	-	20,511.21	6.40	2.40	0.10	0.40	-	-	-	-	-	-	-	22.41	
Maungdaw	1,276.42	15.26	-	2,473.28	15.07	-	65.30	99.17	-	-	0.40	2.94	28.47	0.70	-	147.94	
Kyaikyau	589.76	94.06	-	0.30	-	-	-	-	12.16	-	-	-	68.28	-	-	-	
Thabeik	1,860.42	4.00	-	278.46	4.48	-	-	-	-	-	-	-	-	-	-	-	
Yangon (North)	46,278.49	12.50	480.92	480.92	56.59	-	7.32	-	4,539.96	-	-	661.71	-	-	-	865.97	
Yangon (East)	26,410.43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Yangon (South)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Yangon (West)	1,050.03	1,272,553.79	-	58.78	-	-	-	-	22.19	14.79	17.71	58.20	-	-	-	42.19	
Taunggyi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Loilein	-	1,184.64	1,536.93	128.84	135.60	16.63	13,444.99	57.73	177.97	107,625.24	2,325.27	346.13	491.90	90.20	15.71	2,251.69	
Lingtho	-	3.62	-	-	-	3.62	490.26	34.37	-	-	-	-	-	-	-	23.15	
Lashio	-	1,283.70	-	20.28	6.50	16.00	6,851.47	1.50	-	1,966.30	-	-	283.05	-	-	-	
Muse	-	-	-	-	-	12.05	1,734.27	-	-	-	-	-	43.49	-	-	1.48	
Kyaikme	89.82	6,496.63	-	-	-	-	20,108.69	-	-	-	-	-	-	-	-	5,863.31	
Kunlong	43.92	43.92	-	-	-	-	847.56	-	-	1,201.59	-	-	-	-	-	8,156.37	
Kanglung	-	-	-	-	-	-	215.55	-	-	-	-	-	-	-	-	-	
Monghsat	-	-	-	-	-	-	233.10	-	-	-	-	-	-	-	-	-	
Tachileik	11.48	-	-	-	-	-	1,095.70	-	-	-	-	-	-	-	-	6.80	
Monghsayak	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	763.04	
Monghsayak	-	2.00	-	14.60	-	-	272.82	-	-	-	-	-	-	-	-	178.68	
Pathen	551,950.07	21,274.76	-	2,633.04	-	2.18	2,811.63	145.69	2,444.86	-	-	-	-	0.50	-	118.17	
Hintha	1,036,304.64	16,546.14	1,496.85	11,236.61	4,417.25	194.95	27,393.84	3,499.32	62,744.23	542.64	3,642.12	95.27	12,771.67	67.92	452.74	5,263.06	
Myaungmya	293,313.64	108,906.51	273.14	9,321.32	22.82	-	-	0.30	-	-	-	-	-	-	-	64.35	
Maubin	688,601.78	8,871.78	557.73	58,726.70	1,354.38	52.00	12.03	-	22,384.60	401.15	-	-	-	-	-	1,719.45	
Pyawon	20,763.85	2,472.73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Laputta	93,206.77	85,527.89	-	150.68	-	0.87	9.00	7.55	-	110.43	-	-	-	-	-	48.91	

Source: MCA, 2010 Supplementary Module, S/PO

Table 02-C. Area Planted to Tubers/Root Crops and Oil Seed Crops During the past 12 months, by Kind of Tubers/Root/Oil Seed Crops, by Location of Parcels, RoUM: 2010

District Location of Parcel	Kind of Tuber and Root Crops Planted				Other Tuber and Root Crops	Kind of Oil Seed Crops Planted				Other Oil Seed Crops
	Potato	Cassava	Sweet Potato	Other Tuber and Root Crops		Groundnut	Sunflower	Mustard	Sesame	
Union of Myanmar	52,402.99	35,691.77	3,823.71	2,553.93	1,823,002.77	510,655.68	72,129.99	3,837,255.18	88,469.55	
Myitkyna	2,002.87	16.84	7.12	34.93	56.14	2.00	41,785.61	6,188.69	4,454.15	
Mohnyin	6.10	30.00	8.00	45.40	7,915.79	487.85	5,606.46	1,087.81	408.59	
Bhamo	482.62	-	-	0.10	13,658.91	-	1,124.20	5,554.16	220.40	
Putao	60.62	76.71	51.35	318.99	29.98	-	272.84	6.20	-	
Loileik	1,888.59	-	0.10	23.74	2,340.90	536.46	0.08	980.52	-	
Bawlake	-	-	-	-	56.00	-	-	10,201.20	-	
Hpa-An	-	-	-	11.48	4,740.55	399.53	-	270.29	-	
Myawaddy	-	-	-	-	2,205.82	-	-	-	-	
Kawkaik	-	0.05	7.25	-	911.20	-	-	-	-	
Falam	1,043.31	13.77	261.38	484.47	581.24	144.03	11.22	810.12	1,358.06	
Mindat	224.15	29.03	77.10	73.35	3,023.50	10.07	697.25	1,782.99	95.68	
Sagaing	-	126.59	-	45.06	102,367.48	6,388.61	-	96,017.61	48.21	
Shwebo	490.10	172.38	42.00	50.40	342,887.99	16,065.81	-	239,034.08	7,473.13	
Nonywa	74.00	141.19	1.60	3.71	138,363.84	56,292.42	-	591,363.96	289.16	
Katha	0.70	-	-	5.50	49,986.76	15,014.84	184.46	78,101.15	26,672.13	
Kale	108.61	10.60	23.39	61.37	40,559.11	67,438.80	249.76	59,565.10	2,400.54	
Tamu	276.69	1.50	8.63	10.00	514.22	364.76	13,513.65	1,934.16	117.11	
Mawlaik	33.34	-	-	-	13,821.85	2,552.33	99.03	348.81	746.14	
Hkamti	32.11	2.24	11.93	19.58	16,702.09	1.00	647.33	236.57	20.73	
Dawei	-	-	-	-	3.65	-	-	2.55	-	
Myeik	-	-	-	-	-	-	-	-	-	
Kawthoung	-	7.41	15.83	-	-	-	-	-	-	
Bago	-	-	-	493.05	12,904.96	10,078.29	-	635.00	-	
Taungtha	-	-	-	-	17,837.05	11,823.03	-	24,170.46	7.56	
Pyaw	-	20.00	40.36	-	66,010.38	496.12	-	65,280.63	29.90	
Thayawady	-	-	7.44	-	7,126.26	29.43	-	7,568.58	-	
Magway	236.61	6.92	-	-	221,686.27	15,277.55	-	734,079.47	340.08	
Minbu	2,681.65	196.84	90.94	72.57	41,868.68	13,891.94	-	249,340.19	223.57	
Thayet	-	-	2.50	-	91,826.67	973.40	-	324,105.07	-	
Pakokku	279.73	242.77	52.10	-	96,243.41	3,519.08	-	250,172.92	75.17	
Gangaw	12.30	-	7.57	25.60	26,346.13	23,613.87	34.17	87,449.54	2,317.10	
Mandalay	-	-	-	-	7,267.04	338.93	24.40	12,186.89	-	
Pyinoolwin	682.36	30.96	43.30	153.68	46,244.57	2,739.67	1,176.97	17,659.87	1,278.95	
Kyaikse	-	120.56	234.93	155.74	21,381.29	18,083.48	3.00	134,237.77	59.84	
Nyaung-U	2.97	71.36	409.11	29.97	116,659.61	3,954.06	-	348,907.81	317.08	
Yamethin	-	-	2.00	-	109,926.26	6.10	-	31,854.03	-	
Meiktila	-	293.17	420.08	-	23,203.81	21,454.07	-	71,471.31	30.06	
Naypyitaw	245.07	-	43.94	-	16,327.42	11,280.15	-	305,285.86	1,247.00	
Mawlamyne	-	0.05	-	-	26,572.77	6,121.94	-	47,630.29	-	
Thalon	-	10.15	311.70	4.23	1,841.95	348.59	-	369.95	-	
Sittwe	182.72	-	29.00	52.13	5,522.08	-	-	248.48	-	
Maungdaw	4,499.52	6.00	11.35	23.94	4,041.69	0.20	4,263.81	-	1.00	
Kyaikpyu	2.66	7.45	200.13	7.53	689.64	0.40	327.67	14.10	-	
Thandwe	-	-	1.50	-	6,972.51	22.05	-	-	-	
Yangon (North)	-	46.62	456.84	31.94	3,042.11	-	7.24	15.00	-	
Yangon (East)	-	-	-	-	-	-	-	-	-	
Yangon (South)	-	-	-	-	327.50	482.73	1.99	-	-	
Yangon (West)	-	-	-	-	10,324.32	2,366.58	1,524.55	3,061.73	-	
Taunggyi	34,182.51	44.14	3.83	156.02	587.66	9.00	15.25	16.25	17,796.60	
Lolien	119.57	-	-	-	1,854.76	61.50	12.50	6,354.50	369.38	
Lingkho	13.00	-	-	-	13,510.18	-	-	260.14	1,901.92	
Lashio	4.42	230.78	-	-	1,505.33	-	415.88	3.00	724.54	
Muse	331.29	68.40	22.15	8.01	8,089.75	756.91	232.29	8,915.40	18,312.65	
Kyaikme	1,221.18	-	31.97	-	-	-	-	-	-	
Kunlong	-	-	-	-	-	-	-	-	-	
Kengtung	7.26	-	-	73.39	175.58	-	-	-	-	
Monghsat	3.78	0.55	0.15	0.20	356.96	-	-	2,633.61	44.43	
Tachileik	-	-	-	-	487.70	-	-	16.70	-	
Monghyak	-	-	-	-	26.56	-	-	-	-	
Patheingyi	-	25,637.22	0.30	0.10	10,676.92	3,167.40	-	5.12	-	
Hinthaada	11.70	7,980.49	801.93	30.26	41,624.71	68,750.43	-	7,845.98	-	
Myaungmya	-	45.59	1.15	1.15	1,843.73	4,598.10	-	1,732.44	-	
Maubin	58.89	-	80.86	14.91	2,025.10	116,450.69	-	-	84.79	
Pyawon	-	-	-	-	150.76	4,320.56	4.64	-	-	
Laputa	-	3.44	-	0.11	6,983.96	148.98	-	345.12	-	

Source: MCA 2010 Supplementary Module, SLRD

Table 02-D. Area Planted to Spices/Medicinal Plants and Spices/Aromatic Crops during the past 12 months, by Kind of Spices/Medicinal/Aromatic Crops, by Location of Parcels, RoUM: 2010  
(Unit - acre)

District Location of Parcel	Kind of Spices/Medicinal Plants				Medicinal plants like Febrifuge, aniseed, senna, etc.	Kind of Spices/Aromatic Crops Planted						
	Phala	Black pepper	Oil plants for essence	Other spices		Turmeric	Ginger	Onion	Garlic	Chillies	Other Spices/Aromatic Crops	Other Crops Not Classified
Union of Myanmar	1,070.22	1,755.76	1,141.14	9,909.33	4,225.13	7,849.06	9,847.04	87,891.17	27,388.05	209,083.46	4,179.46	10,432.72
Myitkyina	-	9.00	-	0.96	-	-	5.84	0.08	0.38	6.47	52.09	-
Mohayin	-	-	-	-	-	-	1.00	7.58	78.11	20.20	-	-
Bhamo	-	20.10	-	-	-	-	3.48	-	0.25	-	-	-
Putao	-	-	-	-	-	0.10	7.23	-	3.05	30.76	-	-
Loilek	-	-	-	-	-	2.50	-	5.90	517.70	82.27	27.91	-
Bawlake	-	-	-	-	-	-	-	-	16.00	558.31	-	-
Hpa-An	-	-	-	-	-	40.78	-	-	-	-	1.10	-
Kawkaek	-	-	3.68	-	-	15.26	168.97	511.23	699.20	32.26	4.15	-
Falam	-	121.17	-	-	0.10	917.34	87.93	118.43	49.20	710.27	22.92	-
Mindat	-	15.08	-	69.94	2,204.25	-	-	582.10	45.40	239.18	4.10	-
Sagaing	-	2.00	-	274.81	6.65	-	-	-	-	-	-	-
Shwebo	-	102.12	642.77	4,457.66	340.39	2.00	-	1,987.68	2,327.67	18.99	338.69	-
Monywa	-	379.72	-	50.45	4.25	9.54	-	4,166.70	254.25	2,865.11	353.00	947.01
Katha	-	22.01	1.50	118.67	-	9.00	9.00	0.14	20.92	-	37.06	301.01
Kale	105.00	-	-	-	-	-	-	577.11	640.38	-	0.45	8.27
Tamu	1.50	7.00	11.00	0.50	-	-	-	24.98	4.53	5.75	0.80	0.10
Mawlaik	-	-	-	0.49	-	-	-	1.17	0.91	0.75	1,776.72	2.30
Hkamiti	-	165.92	-	300.31	1.00	-	-	2.29	2.97	2.99	3.00	-
Dawei	-	-	-	-	-	-	-	-	-	16.74	-	4.48
Myeik	-	-	-	-	-	-	-	-	-	3.95	0.40	-
Kawthoung	-	-	-	-	-	-	-	-	-	27.99	424.22	1.00
Bago	17.97	-	7.81	31.35	-	-	-	-	-	230.65	0.30	33.25
Pyaw	-	-	-	147.05	-	-	-	160.05	-	403.68	3.04	3,623.05
Thayawady	-	-	-	-	-	-	-	-	-	430.22	6.21	42.65
Magway	1.02	-	14.85	15.69	-	-	-	10,886.96	-	5,541.85	44.57	47.50
Mingal	8.18	0.50	-	82.93	-	-	-	3,183.74	85.50	9,312.35	206.59	-
Thayet	-	-	-	25.32	-	-	-	525.83	1.50	937.67	-	23.85
Pakokku	6.08	291.41	7.53	13.11	65.60	17.55	42.91	7,217.65	218.45	4,928.38	-	76.14
Gangaw	16.54	3.82	-	-	-	-	-	2,417.94	571.73	-	-	-
Mandalay	-	-	-	19.32	-	-	-	3.49	-	-	77.50	322.63
Pyinoolwin	-	25.05	-	1,962.23	48.00	-	9.90	79.56	429.53	918.47	67.04	979.91
Kyaokse	-	81.84	375.66	832.54	-	466.35	-	6,014.33	-	5,463.21	185.64	442.64
Myingyan	2.00	90.89	-	1,194.86	1,418.40	-	1,304.00	36,680.11	104.88	5,548.63	163.16	126.20
Nyaung-U	-	46.13	-	-	-	-	0.25	453.18	-	392.21	-	17.04
Yamethin	429.75	83.78	-	11.04	29.82	-	-	3,224.84	43.68	62,543.93	42.17	3.83
Meiktila	171.04	28.48	-	9.00	-	406.22	156.06	6,866.10	7.39	37,208.25	46.77	63.13
Naypyitaw	209.31	-	-	-	-	-	-	827.50	-	1,644.84	44.85	63.48
Mawlamyine	-	-	-	0.35	-	0.07	-	-	-	140.51	24.82	0.78
Thaon	-	-	-	8.05	-	-	-	-	-	725.37	0.25	408.50
Sittwe	1.90	7.00	-	-	-	0.40	-	-	3.00	6,801.20	50.26	37.45
Maungdaw	-	3.03	-	-	-	3.18	-	46.81	18.93	3,890.26	106.67	10.16
Kyaukpyu	7.39	-	-	-	-	29.82	-	4.49	-	193.73	1.45	12.67
Thandwe	-	29.75	-	-	-	0.44	-	5.95	-	802.54	2.62	-
Yangon (North)	-	-	-	-	-	-	-	-	-	480.83	60.59	1,677.38
Yangon (South)	-	-	-	-	-	-	-	-	-	8.03	222.81	-
Taunggyi	45.37	15.71	41.01	95.10	-	5,571.03	7,911.68	90.07	15,595.39	6,888.05	21.95	247.83
Lailen	-	-	-	-	-	1.50	39.31	38.86	2,194.85	2.50	-	2.00
Lingtho	1.00	8.00	3.00	-	-	-	1.80	151.75	1,600.21	-	-	-
Lashio	-	-	-	-	-	-	-	1.53	298.63	-	-	1.85
Muse	-	26.25	-	26.25	-	-	1.02	0.06	37.52	-	7.91	34.73
Kyaukme	-	-	16.82	-	-	-	-	267.71	-	2.85	-	-
Kengtung	-	-	-	-	-	-	-	2.25	9.32	-	1.34	-
Monghsat	-	-	-	-	-	-	5.00	72.00	1,105.14	24.31	0.10	-
Tachileik	-	-	-	-	-	-	8.45	-	46.87	1.50	-	-
Monghsayak	-	4.79	-	-	-	-	-	-	2.00	0.30	-	-
Pathen	-	-	-	-	2.92	283.82	-	85.05	-	730.02	44.94	13.69
Hinthada	1.50	29.92	-	-	-	46.59	83.21	859.87	12.42	12,450.37	33.24	184.28
Myaungmya	-	-	-	-	6.24	-	-	-	12.58	5,085.54	12.00	2.24
Maubin	44.68	135.29	15.51	161.45	-	34.57	-	-	-	29,801.62	79.77	240.29
Pyawon	-	-	-	-	7.51	-	-	-	-	7.93	3.59	-
Laputta	-	-	-	-	-	-	-	-	-	0.07	0.10	-

Source: MCA 2010 Supplementary Module, SLRD



Table 02-E. Area Planted to Industrial Annual and Fiber Crops During the past 12 months, by Kind of Industrial Annual/Fiber Crops, by Location of Parcels, RoUM: 2010

District Location of Parcel	Kind of Industrial Annual Crops Planted		Kind of Fiber Crops Planted				( Unit - acre )	
	Sugarcane	Tobacco (Virginia)	Tobacco (Myanmar)	Mahlaing Cotton	Long Staple Cotton	Jute	Kenaf	Other Fiber Crops
Union of Myanmar	307,694.80	6,310.55	92,095.53	68,405.49	189,592.34	7,802.02	3,377.40	980.35
Myitkyina	7.00	-	-	-	-	-	-	0.14
Mohayin	30.92	-	4.00	-	-	-	-	0.25
Bhamo	1,151.02	-	1.00	-	-	-	-	-
Loikaw	-	-	-	1.00	-	-	-	19.14
Hpa-An	283.01	-	-	-	-	-	-	-
Kawkaareik	-	-	-	-	-	-	-	-
Falam	17.31	1.56	41.40	7.03	-	-	2.00	5.64
Mindat	-	-	293.47	-	-	-	9.24	36.76
Sagaing	35.55	-	40.25	4,568.61	9,565.49	-	5.27	-
Shwebo	73,689.35	23.57	16.76	804.05	4,289.67	-	21.50	10.39
Monywa	-	351.13	3,895.23	20,724.57	19,494.01	7.41	14.10	93.86
Katha	117,572.77	-	17.64	-	-	-	-	1.00
Kale	-	36.47	-	-	-	-	-	-
Tamu	68.30	-	-	-	-	-	0.50	0.70
Mawlaik	-	-	-	-	-	-	-	210.82
Dawei	14.71	-	-	-	-	-	-	-
Myeik	2.00	-	-	-	-	-	-	-
Kawthoung	1.50	-	-	-	-	-	-	-
Bago	9.98	-	270.00	-	-	-	-	-
Taungoo	34,939.91	-	-	-	-	587.15	-	-
Pyaw	16,115.79	-	106.91	1,661.43	1,088.80	-	368.21	147.17
Thayawady	135.81	707.60	677.15	-	-	4,064.38	217.11	30.07
Magway	3,991.22	60.73	-	2,969.48	21,417.29	10.00	-	-
Minbu	-	374.25	-	1,095.72	21,601.01	-	6.00	1.00
Thayet	2,897.93	286.28	-	1,230.59	19,662.96	0.50	3.80	-
Pakokku	-	2,370.49	3,883.79	5,598.12	5,638.93	91.92	233.14	153.07
Gangaw	-	-	30.66	4.00	-	-	-	-
Mandalay	-	-	-	-	346.13	-	-	-
Pyinoolwin	20,209.51	-	-	8.93	656.34	0.70	0.30	5.43
Kyaukse	-	-	-	-	30,424.65	-	22.18	4.00
Myingyan	-	1,859.25	45,621.82	19,143.93	6,745.15	44.81	8.00	112.78
Nyaung-U	-	-	1,212.45	23.55	133.04	-	7.93	18.82
Yamethin	-	58.45	-	16.96	25,739.77	-	0.58	-
Meiktila	1.00	69.57	-	10,474.61	18,273.25	-	-	-
Naypyitaw	5,067.45	29.90	-	15.50	4,511.85	-	-	-
Mawlamyine	217.06	-	22.47	1.00	-	-	-	-
Thaon	1,886.64	5.00	-	-	-	-	0.71	-
Sittwe	15.56	-	1.20	0.50	-	-	-	-
Maungdaw	-	1.50	14.67	-	-	-	-	-
Kyaukpada	-	-	319.10	-	-	-	-	-
Thandwe	243.47	-	-	-	-	-	-	-
Yangon (North)	1,619.65	-	-	-	-	55.89	103.77	60.68
Yangon (South)	649.43	-	-	-	-	-	-	-
Taunggyi	13,313.94	16.15	-	18.92	-	-	-	18.98
Loilein	-	-	-	-	-	-	-	1.00
Lingkho	636.59	42.55	-	-	-	-	-	-
Lashio	126.44	-	-	4.60	-	-	-	-
Muse	3,256.98	-	1,268.48	-	-	-	-	-
Kyaukse	8,422.06	-	5.40	-	-	-	-	-
Kunlong	75.20	-	-	-	-	-	-	-
Kengtung	-	-	-	-	4.00	-	-	-
Monghsat	280.92	-	2.40	-	-	-	-	2.00
Tachileik	-	12.10	-	-	-	-	-	-
Monghsayak	4.71	-	-	-	-	-	-	-
Pathain	532.26	-	8.38	14.75	-	-	-	-
Hinthada	148.12	4.00	33,319.79	-	-	95.29	362.46	41.52
Myaungmya	-	-	-	-	-	56.53	1,366.88	-
Maubin	23.73	-	1,048.75	-	-	2,587.44	619.09	0.60
Laputta	-	-	-	-	-	-	-	4.53

Source: MCA 2010 Supplementary Module, SLRD

Table 02-F. Area Planted to Vegetable Crops During the past 12 months, by Kind of Vegetable Crops, by Location of Parcels, RoUM: 2010

District Location of Parcel	Kind of Leafy/Stem Vegetables Planted						Kind of Fruit-bearing Vegetables Planted				Kind of Root/Bulb/Tuberous Vegetables Planted		
	Cabbage	Mustard	Cauliflower	Broccoli	Kailan	Other leafy/stem vegetables	Cucumber	Tomato	Watermelon	Other fruit-bearing vegetables	Carrot	Radish	Other Root/Bulb/Tuberous Vegetables
Union of Myanmar	18,872.71	60,451.20	8,420.66	337.41	4,376.63	22,926.68	5,988.87	58,555.41	8,048.89	23,985.07	2,098.93	1,671.93	3,167.11
Myittha	50.46	501.30	40.87	-	26.56	353.77	7.40	233.26	9.00	75.20	13.49	10.25	4.82
Myittha	1,044.21	2,573.18	460.73	-	48.67	125.51	30.56	130.73	89.81	164.18	0.90	3.10	7.26
Bhamo	84.92	62.55	1.48	-	-	110.68	0.50	5.45	528.50	16.66	-	-	-
Pada-U	15.03	15.03	-	-	-	1.50	-	-	-	0.10	0.10	-	-
Loilek	796.82	23.85	528.31	-	0.20	398.02	48.60	188.23	3.00	54.18	14.86	-	-
Bawlake	-	1.00	-	-	-	-	-	-	-	-	-	-	-
Hpa-An	-	-	-	-	-	224.88	7.48	5.13	-	73.15	0.08	-	-
Myawaddy	-	-	0.50	-	0.50	-	-	-	-	-	1.00	-	-
Kaungmye	0.50	0.50	0.32	-	-	26.26	31.36	11.57	219.03	26.00	-	-	-
Falam	484.98	1,205.17	26.26	0.05	13.81	1,229.55	776.38	219.86	6.84	886.02	12.22	4.93	15.51
Mindat	1.25	213.61	-	-	-	1,484.36	171.86	18.37	-	472.43	28.64	-	12.55
Sagail	-	798.68	-	-	1,749.29	32.87	-	4,305.31	887.00	45.72	-	-	11.18
Shwabo	160.68	4,821.47	1,734.67	3.03	22.75	3,255.17	187.55	5,438.84	17.00	1,403.68	26.91	30.22	-
Monywa	1,085.74	3,653.00	1,170.78	166.59	81.56	481.94	1,517.26	4,153.62	150.00	619.54	272.67	110.01	9.73
Katha	1,534.62	397.78	37.62	-	20.38	386.03	2.00	113.79	1,974.99	284.88	-	2.00	-
Kale	-	650.43	9.22	8.10	1.54	919.73	-	145.00	-	180.18	-	90.00	8.27
Tamu	18.85	44.00	26.80	-	1.50	180.94	2.40	50.15	77.11	133.71	5.50	1.00	0.52
Mawlaik	23.33	287.69	11.89	0.25	11.21	6.66	3.03	38.75	0.27	10.17	0.20	-	-
Hkamti	18.12	311.43	30.74	-	-	142.12	2.98	29.80	111.87	136.48	-	-	-
Dawei	-	-	13.61	-	-	13.68	14.86	1.18	-	30.67	-	1.11	1.47
Myeik	-	-	-	-	-	16.43	18.01	-	-	14.67	-	15.53	3.79
Kawthoung	-	15.03	-	-	-	54.95	5.93	0.30	-	1.46	0.10	-	-
Bago	232.42	1.50	0.10	-	-	60.48	1.87	80.18	137.43	18.67	11.15	-	-
Taungtha	1.00	-	-	-	-	-	-	7.56	-	29.03	-	2.00	-
Pyaw	908.84	31.51	2.05	-	0.25	513.78	139.83	2,074.53	93.92	1,907.16	273.63	384.58	1.00
Thayawady	201.50	-	-	-	-	362.59	-	21.36	-	1,103.72	-	-	-
Mawmye	85.24	9,959.63	325.60	-	-	115.07	-	9,032.16	47.69	2,113.77	529.05	-	-
Minbu	14.48	1,018.00	11.48	-	1.45	1,750.30	-	254.55	2.01	27.59	3.73	-	-
Thayet	4.30	218.92	9.93	0.75	-	355.89	-	51.53	1.76	141.48	1.26	0.50	-
Pakokku	25.04	248.31	1.49	-	7.51	293.71	-	639.85	45.04	169.01	30.44	-	26.57
Gangaw	2.75	3.22	7.34	-	-	636.49	-	15.76	3.22	572.83	-	-	-
Mandalay	-	2.65	-	0.50	-	6.33	1.00	696.64	-	42.83	7.40	233.12	-
Pyin Oolwin	1,351.39	1,997.63	1,409.11	3.65	1,943.68	1,166.56	0.70	297.86	116.80	578.09	222.83	206.31	1,537.34
Kyaukse	800.19	-	24.26	-	-	292.42	215.66	133.77	53.48	300.34	7.61	-	1,236.11
Myingyan	362.06	827.33	1,077.70	7.85	0.15	262.33	67.42	2,872.70	32.56	190.75	23.70	-	15.06
Nyaung-U	-	40.86	-	-	-	15.26	-	455.39	-	123.18	-	-	-
Yamethin	-	14,266.28	-	-	-	412.04	29.91	1,822.83	508.97	780.03	-	-	-
Mektila	138.31	12,127.60	1.00	-	8.16	583.07	73.87	2,318.31	405.31	3.00	7.90	-	23.67
Naypyitaw	29.90	385.05	30.19	-	-	747.07	41.86	3,771.98	313.91	279.06	-	-	-
Mawlaik	0.38	10.48	12.96	-	3.20	288.36	147.67	44.41	182.96	262.59	8.95	0.28	21.90
Thalon	6.72	19.78	-	-	2.90	332.07	99.10	91.92	46.63	285.51	0.20	12.03	48.95
Sittwe	121.52	39.54	6.59	-	0.10	356.39	199.85	137.96	313.90	1,711.92	22.21	17.48	19.50
Maungdaw	193.54	1.80	67.83	-	-	2.72	106.35	192.79	156.96	205.27	2.40	50.50	0.60
Kyaukpadaung	83.21	-	-	-	-	4.50	73.90	1.50	-	99.04	-	-	-
Thandwe	112.27	10.73	17.60	-	2.07	186.95	49.41	24.84	104.86	109.24	-	-	-
Yangon (North)	-	40.27	1.47	48.97	66.38	1,491.40	179.43	191.27	59.97	1,292.14	28.47	434.19	34.02
Yangon (South)	17.12	28.13	14.63	-	-	246.08	275.98	254.59	40.99	498.26	7.30	-	-
Taunggyi	7,569.09	697.81	1,158.66	54.95	336.87	378.69	75.96	12,888.93	-	129.88	382.05	8.25	63.84
Lalien	39.66	27.88	11.75	-	-	93.61	-	2.00	6.00	-	-	-	-
Lingkhoo	2.15	16.90	0.20	-	-	15.75	-	2.00	-	-	-	-	-
Lashio	1.21	27.90	33.06	30.00	7.39	-	-	52.23	150.74	-	6.65	-	0.50
Muse	4.05	426.35	24.85	-	-	175.86	30.29	19.80	234.64	-	1.00	3.05	-
Kyaukse	56.05	94.96	4.48	2.00	-	80.70	359.50	219.09	2.10	2.10	0.50	-	-
Kunlong	0.25	1.45	-	-	-	-	-	2.50	-	-	-	-	-
Kengtung	31.39	-	22.34	-	-	-	-	-	0.15	9.73	-	-	-
Mong Hsat	20.86	-	1.35	-	-	129.97	-	-	-	-	21.27	-	0.30
Tachileik	29.83	196.35	14.91	-	15.57	31.85	-	-	44.40	-	-	-	29.16
Mong Hsat	276.74	-	-	-	-	910.63	-	-	-	45.44	-	-	-
Pathin	291.85	-	4.38	0.20	0.12	160.89	-	3.82	423.27	162.51	13.01	10.59	0.50
Hinthada	211.41	-	-	-	-	226.68	63.35	4,198.11	106.84	2,589.90	40.01	17.33	1.73
Myaungmya	661.07	-	6.06	6.73	0.29	110.78	30.90	303.92	6.69	270.70	0.47	2.24	24.58
Mauhin	344.14	2.38	17.49	3.59	2.38	259.95	961.84	81.41	-	3,061.88	39.52	13.89	3.63
Pyaw	7.51	7.51	-	-	-	9.98	31.49	7.51	-	28.54	10.83	-	-
Laputta	3.01	-	-	-	-	135.71	21.48	-	129.78	195.93	19.56	0.48	-

Source: MCA 2010 Supplementary Module, SLRD



Table 03-A. Area of Citrus Fruits Trees and Pome Fruit Trees in Compact Planting During the past 12 months, by Kind of Citrus/Pome Fruit Trees, by Location of Crops, RoUM: 2010  
(Unit - acre)

District Location of Crops	Kind of Citrus Fruit Trees					Kind of Pome Fruit Trees		
	Orange	Shaddock	Lemon	Lime	Other citrus fruit trees	Apple	Pear	Other pome fruit trees
Union of Myanmar	32,766.12	1,838.20	4,674.07	8,783.13	764.13	560.75	222.41	1,991.45
Myitkyina	8,656.68	-	6.70	14.00	19.00	2.00	8.25	-
Mohrynin	1,321.58	-	15.73	64.33	-	-	-	-
Bhamo	157.27	-	8.13	66.09	-	-	-	-
Putao	273.68	-	-	-	2.41	-	-	1.30
Hpa-An	0.75	20.91	-	0.50	-	-	-	-
Myawaddy	-	11.90	-	-	-	-	-	-
Kawkaik	5.03	428.79	7.88	25.46	-	-	10.82	-
Falam	229.17	1.36	1.76	88.75	1.51	500.48	12.65	-
Mindat	545.05	104.04	76.58	76.22	35.42	0.40	3.34	3.00
Sagaing	-	-	-	328.26	-	-	-	1,869.02
Monywa	-	-	-	2.25	-	22.46	-	-
Katha	199.48	-	227.27	61.75	14.00	-	-	-
Kale	109.00	-	0.50	0.50	-	-	-	-
Tamu	0.50	-	0.10	1.30	-	-	-	-
Mawlaik	0.50	-	7.53	16.77	3.85	-	-	-
Hkamti	29.41	-	-	4.50	-	-	-	-
Dawei	-	4.32	2.71	108.16	-	2.00	-	-
Myeik	-	-	0.10	-	-	-	-	0.02
Kawthoung	-	1.00	20.32	19.73	-	-	-	-
Bago	-	58.50	2,505.48	11.35	11.50	-	-	-
Taungoo	-	-	44.78	1,087.06	-	-	-	10.61
Pyay	-	6.23	2.06	193.49	3.45	-	-	68.85
Thayawady	-	-	-	0.74	-	-	-	-
Magway	-	-	2.05	0.86	-	-	1.07	-
Minbu	260.00	22.07	7.36	240.61	0.50	-	-	-
Pakokku	-	-	-	-	-	-	1.25	-
Mandalay	-	-	202.43	3,354.00	-	-	-	-
Pyin Oo Lwin	968.40	-	1.00	149.19	153.16	-	7.63	-
Kyaukse	-	-	1.00	-	-	-	-	-
Myingyan	-	-	0.50	1.00	-	-	-	-
Yamethin	-	-	-	-	3.14	-	-	-
Meiktila	0.50	0.50	66.92	75.34	-	-	-	-
Naypyitaw	-	-	-	104.66	-	-	-	-
Mawlamyine	-	499.67	8.69	315.93	15.18	-	-	-
Thalon	-	224.95	-	3.16	-	5.00	-	-
Sittwe	-	127.41	967.01	414.59	330.58	3.60	-	-
Maungdaw	-	-	0.20	3.69	-	-	-	-
Thandwe	14.80	-	4.90	6.46	-	-	-	-
Yangon (North)	2.41	206.38	247.45	156.75	-	-	-	1.00
Yangon (South)	-	-	43.84	74.55	-	-	-	-
Taunggyi	15,742.60	-	-	934.84	-	-	164.56	36.15
Lolien	28.00	-	-	2.00	-	-	-	-
Lingkho	-	-	2.00	-	-	-	-	-
Lashio	1,314.73	-	-	-	105.00	-	-	-
Muse	62.75	0.06	-	2.85	65.42	-	1.00	1.50
Kyaukse	2,035.39	-	128.36	53.23	-	-	-	-
Kengtung	2.50	-	-	-	-	-	-	-
Monghsat	680.54	-	-	-	-	-	-	-
Tachileik	110.11	87.66	-	2.00	-	-	-	-
Monghsat	-	-	-	-	-	-	-	-
Patheingyi	-	30.98	0.16	2.39	-	-	-	-
Hinthada	-	-	-	108.91	-	-	-	-
Myaungmya	-	-	-	-	-	2.28	-	-
Maubin	-	1.49	-	2.55	-	7.75	-	-
Pyaw	-	-	-	600.17	-	14.78	11.85	-
Laputta	15.29	-	62.59	2.20	-	-	-	-

Source: MCA 2010 Supplementary Module

Table 03-B. Area of Stone Fruit Trees in Compact Planting During the past 12 months, by Kind of Stone Fruit Trees, by Location of Crops, RoUM: 2010

( Unit - acre )

District Location of Crops	Kind of Stone Fruit Trees						
	Peaches	Plum	Marian	Tamarind	Other stone fruit trees	Grapes	Strawberry
Union of Myanmar	124.00	27,869.86	2,106.55	145.73	152.24	3,249.57	1,912.89
Myitkyina	-	-	-	-	-	-	-
Mohmyin	-	20.00	-	1.00	-	-	-
Hpa-An	-	-	-	3.35	-	-	-
Falam	4.39	-	10.69	15.71	-	56.17	0.78
Mindat	3.86	-	-	29.54	-	5.39	2.00
Sagaing	-	174.46	39.34	-	-	-	-
Shwebo	16.59	5,728.53	-	-	-	-	-
Monywa	-	18,480.73	-	-	-	-	-
Katha	1.50	6.00	-	-	-	-	-
Tamu	-	2.00	-	-	-	-	-
Mawlaik	-	-	-	-	1.50	-	-
Hkamti	-	81.99	-	1.00	-	442.95	-
Dawei	15.38	-	41.14	1.50	22.93	-	61.15
Myeik	-	-	-	4.16	-	-	76.36
Kawthoung	-	-	-	0.20	-	-	-
Bago	-	-	1,709.71	-	-	-	242.67
Taungoo	-	-	2.00	-	-	-	-
Pyay	-	4.05	-	-	-	11.02	-
Magway	-	4.15	-	-	-	0.50	-
Pakokku	-	12.50	-	-	-	-	-
Mandalay	-	2,393.81	-	-	-	-	-
Pyinoolwin	8.13	2.00	-	-	2.75	9.63	1,289.58
Kyaukse	-	172.40	-	-	-	-	-
Myingyan	3.00	21.01	-	37.79	-	-	-
Nyaung-U	-	685.58	-	-	-	-	-
Yamethin	-	-	-	-	-	2,589.34	-
Meiktila	-	38.53	-	1.00	-	21.70	2.00
Naypyitaw	-	-	-	-	-	29.90	-
Mawlamyine	-	6.96	34.71	8.00	0.50	-	162.50
Thaon	-	-	47.36	25.00	1.49	-	-
Sittwe	-	-	167.08	8.96	-	-	-
Maungdaw	-	1.44	-	-	-	-	-
Kyaukpyu	-	-	22.39	-	-	-	-
Yangon (South)	-	-	-	-	-	-	43.86
Taunggyi	-	-	-	-	61.27	18.23	1.00
Lashio	-	-	-	-	-	-	2.96
Muse	10.06	-	-	-	22.06	53.05	-
Kyaukse	23.30	-	-	-	36.74	-	-
Kunlong	-	-	-	-	-	-	28.04
Kengtung	-	-	-	3.50	2.00	-	-
Tachileik	8.35	3.50	-	-	-	-	-
Monghyak	-	-	-	-	-	11.38	-
Patheingyi	28.95	8.00	0.25	4.01	-	-	-
Hinthada	-	22.05	15.06	1.00	-	-	-
Myaungmya	0.50	0.15	9.33	-	-	-	-
Mauhin	-	-	7.48	-	-	-	-
Pyapon	-	-	-	-	-	0.20	-
Laputta	-	-	-	-	1.00	0.10	-

Source: MCA 2010 Supplementary Module

Table 03-C. Area of Other Cultivated Fruit Trees in Compact Planting During the past 12 months, by Kind of Other Cultivated Fruit Trees, by Location of Crops, RoUM: 2010

District Location of Crops	Kind of Other Cultivated Fruit Trees													(Unit - acre)
	Banana	Custard Apple	Guava	Mango	Papaya	Pineapple	Jackfruit	Lychee	Durian	Rambutan	Avocado	Mangosteen	Other Other Cultivated Fruit Trees	
Union of Myanmar	64,494.80	940.65	2,864.87	53,578.62	1,898.96	7,948.87	1,501.95	704.52	1,947.23	1,539.48	781.90	334.85	1,992.28	
Myitkyina	280.22	-	-	202.19	0.50	220.25	20.34	1.20	-	36.50	-	-	-	
Mohnyin	499.36	-	1.00	889.77	-	173.27	30.32	-	-	-	-	-	22.74	
Bhamo	185.45	-	0.50	113.69	-	3.92	8.03	25.13	-	7.33	-	-	0.50	
Putao	42.30	-	-	59.60	-	10.35	-	-	-	-	-	-	-	
Loilek	1.00	-	-	19.93	-	0.50	-	-	-	-	-	-	-	
Hpa-An	25.38	-	-	49.85	-	60.02	-	-	82.77	19.91	-	62.25	-	
Myawaddy	11.90	-	-	11.90	-	-	-	-	-	11.90	-	-	-	
Kawkaareik	56.75	-	37.46	151.96	-	9.00	5.00	6.01	68.86	182.09	-	0.30	-	
Falam	173.27	-	-	36.14	4.15	23.83	-	-	-	-	60.59	-	0.10	
Mindat	1,921.74	-	4.43	1,697.22	-	162.67	19.91	-	-	-	11.70	-	-	
Sagaing	2,657.54	3.77	150.57	6,658.02	3.01	150.57	12.36	-	-	-	-	-	1.51	
Shwebo	2,060.31	-	76.11	777.60	520.38	18.48	-	-	-	-	-	-	-	
Monywa	2,653.01	-	-	189.65	16.94	-	-	-	-	-	-	-	-	
Katha	341.56	-	2.00	300.30	-	102.95	2.50	69.22	-	6.50	-	-	-	
Kale	87.29	-	-	111.94	-	-	-	-	-	-	-	-	-	
Tamu	91.07	-	0.10	4.00	-	2.00	-	-	-	-	-	-	-	
Mawlaik	106.37	-	55.49	92.67	0.10	13.07	5.16	-	-	-	-	-	5.55	
Hkamti	2.00	-	4.50	49.92	-	7.74	10.00	-	-	-	-	-	-	
Dawei	291.25	3.90	10.88	1,047.00	39.07	599.80	320.36	-	449.08	121.13	106.00	-	-	
Myitk	194.95	1.48	7.97	296.35	-	34.45	14.64	-	458.56	81.36	15.09	-	-	
Kawthoung	268.79	-	4.08	82.01	9.98	6.50	190.39	-	11.89	85.45	1.50	1.20	-	
Bago	493.60	-	105.80	2,496.18	-	1,338.50	40.00	-	-	-	-	-	-	
Taungoo	2,494.43	-	-	271.76	-	-	-	-	19.50	-	-	-	-	
Pyaw	748.88	931.50	13.08	391.97	51.65	1.50	164.07	-	-	-	-	-	2.00	
Thayawady	153.29	-	1.48	-	-	-	-	-	-	-	-	-	-	
Magway	-	-	2.08	1.33	-	-	-	-	-	-	-	-	-	
Minbu	110.97	-	-	3.68	-	1.00	-	-	-	-	-	-	-	
Thayet	143.63	-	-	19.33	-	2.06	-	-	-	-	-	-	-	
Pakokku	-	-	-	67.99	-	-	-	-	-	-	-	-	-	
Gangaw	11.08	-	-	1.00	-	-	-	-	-	-	-	-	-	
Mandalay	362.46	-	22.38	9,600.09	15.09	-	-	-	-	-	-	-	45.00	
Pyinoolwin	1,069.37	-	2.00	224.69	-	1,087.17	31.52	-	-	30.52	-	-	914.20	
Kyaukse	233.65	-	-	3,135.04	15.57	-	-	-	-	-	-	-	-	
Myingyan	2,368.40	-	4.83	427.17	-	-	-	-	-	-	-	-	1.66	
Nyaung-U	-	-	-	90.50	-	-	-	-	-	-	-	-	-	
Yamethin	7.23	-	-	14.99	-	-	-	-	-	-	-	-	-	
Meiktila	1,116.95	-	0.50	323.17	-	-	29.49	-	-	-	-	-	-	
Naypyitaw	747.39	-	-	-	-	-	29.90	59.80	-	-	-	-	-	
Mawlamyine	3,240.35	-	14.37	1,118.97	1.00	29.19	75.97	2.06	517.81	697.90	-	66.60	9.05	
Thalon	116.81	-	15.29	2,489.99	-	72.41	148.78	43.67	335.76	204.22	345.17	204.49	9.83	
Sittwe	882.91	-	27.25	1,733.04	1.00	3.50	91.54	-	-	19.42	-	-	10.00	
Maungdaw	80.75	-	3.00	103.34	-	-	5.84	-	-	-	-	-	-	
Kyaukpyu	334.22	-	-	126.11	-	29.14	15.37	-	-	-	2.00	-	-	
Thandwe	1,685.20	-	15.17	29.95	-	86.65	0.50	-	-	29.75	-	-	33.75	
Yangon (North)	4,092.41	-	1,511.93	768.02	6.99	18.86	43.04	-	3.00	3.00	10.86	-	-	
Yangon (South)	4,911.54	-	354.06	1,516.44	23.97	24.40	-	-	-	-	-	-	-	
Taunggyi	620.41	-	-	9,552.02	-	29.63	31.86	-	-	-	80.39	-	-	
Lolien	1.00	-	-	27.22	-	0.50	-	8.00	-	-	-	-	-	
Lingkho	-	-	-	-	-	0.55	-	-	-	-	-	-	-	
Lashio	74.45	-	15.00	4.18	-	-	-	183.06	-	-	-	-	-	
Muse	32.18	-	0.36	20.08	3.50	7.80	8.13	169.76	-	-	2.92	-	14.00	
Kyaukse	114.14	-	-	123.25	2.25	2,923.91	16.00	-	-	-	-	-	726.49	
Kengtung	1.05	-	-	47.20	-	-	-	1.05	-	-	-	-	-	
Monghsat	12.25	-	-	15.60	-	3.50	-	-	-	-	-	-	-	
Tachileik	40.00	-	5.00	1,042.03	-	64.93	-	133.04	-	-	-	-	101.48	
Monghsayak	40.00	-	-	0.83	-	-	-	-	-	-	-	-	-	
Patheingyi	14,125.10	-	53.16	804.82	475.65	401.46	85.39	-	-	-	-	-	23.32	
Hinthada	1,436.49	-	21.22	352.06	110.34	37.79	-	-	-	0.50	22.81	-	-	
Myaungmya	741.24	-	41.13	1,467.31	17.13	314.50	43.83	-	-	-	4.51	-	66.80	
Maubin	4,426.86	-	24.12	1,557.07	9.93	-	-	-	-	-	40.77	-	-	
Pyawon	4,595.56	-	224.18	326.95	570.01	1.50	-	1.52	-	-	15.69	-	4.51	
Laputta	935.26	-	33.88	428.11	0.75	19.63	1.72	-	-	-	62.22	-	-	

Source: MCA 2010 Supplementary Module

Table 03-D. Area of Edible Nut Trees and Oil Crops in Compact Planting During the past 12 months, by Kind of Edible/Nut/Oil Crops, by Location of Crops, RoUM: 2010

(Unit - acre)

District Location of Crops	Kind of Edible Nut Trees					Kind of Oil Crops		
	Cashew	Chest nut	Walnut	Macadamia	Other edible nut trees	Coconut	Palm	Other oil crops
Union of Myanmar	168,855.76	176.32	1,669.30	518.24	317.60	45,463.62	1,158.31	600.20
Myitkyina	5.00	-	977.56	0.25	1.00	-	-	32.50
Bhamo	-	35.80	429.04	46.95	-	7.38	-	2.50
Putao	-	-	1.00	-	-	-	-	260.63
Hpa-An	-	-	-	-	-	5.92	-	-
Myawaddy	37.00	-	-	-	-	-	-	-
Kawkaik	653.47	-	-	-	-	-	-	-
Falam	-	0.27	-	-	-	-	-	-
Mindat	66.40	0.03	-	-	15.08	-	-	6.59
Shwebo	-	-	-	-	-	15.22	-	-
Monywa	-	-	-	-	27.10	-	-	-
Katha	-	-	-	-	-	-	-	20.00
Kale	-	-	-	-	-	3.00	-	-
Mawlaik	-	-	-	-	0.30	-	-	-
Hkamti	-	-	-	-	-	14.87	-	-
Dawei	40,948.40	3.08	-	-	-	6,874.72	235.00	1.55
Myeik	26,565.06	4.00	-	153.71	-	889.40	97.32	-
Kawthoung	10,793.86	-	-	6.40	0.10	766.18	536.88	-
Bago	339.50	-	-	-	-	-	-	100.00
Taungoo	49.63	-	-	-	-	-	-	-
Pyaw	69.25	-	-	-	2.00	-	-	-
Magway	-	-	-	-	0.87	-	-	-
Pyinoolwin	-	-	29.37	37.01	38.20	43.59	-	-
Kyaukse	-	-	-	-	-	3.00	-	-
Nyaung-U	-	-	111.99	-	-	-	-	-
Meiktila	-	-	-	-	-	0.50	-	5.00
Naypyitaw	-	-	-	-	-	-	-	134.56
Mawlamyine	545.25	-	-	-	-	463.76	113.37	-
Thaon	15,535.31	-	-	-	-	267.52	-	-
Sittwe	331.66	-	-	-	-	139.50	-	-
Maungdaw	78.10	-	-	-	-	7.50	-	-
Kyaukpau	8,491.24	-	-	-	-	1,916.63	-	-
Thandwe	15,030.45	-	-	-	-	4,339.63	44.63	-
Yangon (North)	209.81	-	-	-	-	14.01	-	11.50
Yangon (South)	577.91	-	-	-	-	402.39	-	-
Taunggyi	-	-	1.00	-	25.52	-	120.89	-
Muse	-	133.15	100.15	202.08	-	-	-	24.00
Kyaukse	-	-	-	61.84	-	-	-	-
Kunlong	-	-	-	10.00	-	-	-	-
Kengtung	-	-	-	-	9.40	-	-	-
Patheingyi	38,765.96	-	8.50	-	-	10,013.78	5.12	-
Hinthada	1,983.50	-	-	-	-	3.83	-	-
Myaungmya	5,547.59	-	-	-	-	416.48	-	-
Maubin	-	-	-	-	-	98.91	5.06	1.37
Pyaw	24.78	-	10.69	-	3.00	17,458.54	0.05	-
Laputta	2,206.42	-	-	-	195.03	1,297.36	-	-

Source: MCA 2010 Supplementary Module

**Table 03-E. Area of Industrial Permanent Crops and Industrialized Crops in Compact Planting During the past 12 months, by Kind of Industrial Permanent/Industrialized Crops, by Location of Crops, RoUM: 2010**

( Unit - acre )

District Location of Crops	Kind of Industrial Permanent Crops				Kind of Industrialized Crops		
	Tea	Coffee	Cocoa	Other industrial permanent crops	Rubber (local)	Rubber (HYV)	Other industrialized crops
Union of Myanmar	205,077.53	2,975.17	255.80	307.96	556,831.13	193,912.78	1,253.75
Myitkyina	38.35	82.45	-	-	2,999.32	1,110.72	-
Mohnyin	213.85	-	-	-	441.89	486.00	119.00
Bhamo	313.76	-	-	-	573.11	879.85	-
Putao	210.74	1.00	-	-	36.44	-	-
Hpa-An	27.20	319.00	-	6.50	6,108.55	460.83	-
Myawaddy	-	-	-	-	-	-	-
Kawkaik	-	-	-	-	5,486.05	6,830.08	-
Falam	36.29	0.10	-	-	-	-	-
Mindat	414.65	10.85	-	-	-	-	-
Sagaing	-	-	-	-	-	-	166.46
Monywa	-	-	-	9.78	-	-	-
Katha	122.21	-	2.00	-	222.13	210.00	-
Tamu	-	-	10.50	-	362.09	-	-
Mawlaik	-	-	-	-	27.31	-	-
Hkamti	6,780.68	-	-	-	373.00	2,259.18	-
Dawei	-	0.95	-	-	66,724.52	11,545.37	12.00
Myeik	-	53.07	4.16	-	41,559.27	22,515.23	10.66
Kawthoung	-	14.00	35.15	-	13,209.46	24,274.41	-
Bago	-	-	-	-	9,455.80	694.50	-
Taungoo	-	-	44.67	146.19	3,657.01	150.72	-
Magway	-	-	-	-	5.50	9.10	1.00
Minbu	-	194.79	-	-	-	-	-
Pakokku	-	-	-	-	-	-	3.02
Pyinoolwin	9,508.42	248.25	1.00	-	50.00	95.00	52.00
Mingyan	-	-	-	-	15.49	-	-
Yamethin	14.99	-	-	-	-	-	-
Naypyitaw	-	-	127.08	29.90	-	29.90	-
Mawlamyine	-	1.00	-	-	347,383.96	82,043.99	406.52
Thaon	15.29	-	-	-	38,794.34	13,050.83	28.91
Sittwe	-	-	1.00	-	876.15	355.84	-
Maungdaw	-	18.00	-	-	506.00	750.82	0.60
Kyaukpyu	-	-	-	-	2,562.21	810.28	33.81
Thandwe	31.12	9.77	-	-	1,597.57	646.67	-
Yangon (North)	-	-	3.77	-	78.87	954.30	-
Yangon (South)	-	-	-	-	661.94	2,844.89	-
Taunggyi	57,373.81	1,935.22	-	-	-	-	291.96
Loilein	12.00	-	-	-	-	-	-
Lashio	3,173.52	-	-	-	7.29	2,105.87	60.51
Muse	23,237.71	14.00	-	2.00	10.00	311.06	23.50
Kyaukse	103,254.12	-	-	-	-	-	-
Kunlong	9.00	-	-	-	380.04	5,264.55	-
Kengtung	-	1.00	5.50	-	21.97	1,668.81	6.55
Monghsat	229.74	-	-	-	7,739.01	295.00	11.70
Tachileik	11.00	21.00	8.50	113.59	2,219.90	4,821.55	5.00
Monghyak	49.09	-	-	-	179.47	4,794.82	0.50
Patheingyi	-	16.00	1.50	-	159.85	210.22	-
Hinthada	-	-	-	-	25.00	85.00	-
Myaungmya	-	-	0.45	-	2,303.06	1,132.56	-
Pyawb	-	31.72	10.52	-	0.75	31.84	20.03
Laputta	-	3.00	-	-	16.82	182.98	-

Source: MCA 2010 Supplementary Module



Table 03-F. Area of Other Domestic Plants and Other Permanent Crops in Compact Planting During the past 12 months, by Kind of Other Domestic/Permanent Crops, by Location of Crops, RoUM: 2010  
(Unit - acre)

District Location of Crops	Kind of Other Domestic Plants				Kind of Other Permanent Crops							Other permanent crops
	Dhani	Thabau	Thin	Spear grass	Fodder	Betel nut	Betel leaf	Toddy palm	Danyin	Thanatphet		
Union of Myanmar	45,853.37	6.00	6,897.15	3,813.17	15,033.31	216,100.23	25,769.18	10,344.90	22,520.27	24,112.41	32,519.24	
	-	-	-	6.00	-	-	-	57.50	2,966.21	-	100.16	
	Mohnyin	-	190.00	1,054.17	40.00	-	-	-	7,347.15	-	87.31	
	Bhamo	-	-	48.09	-	7.38	-	0.30	994.05	-	-	
	Putao	-	-	1.00	-	-	-	-	17.14	-	-	
	Loilek	-	-	-	-	-	-	-	19.04	-	-	
	Hpa-An	8.00	2.00	-	1.00	2,727.17	5.50	7.00	385.04	-	-	
	Myawaddy	-	-	-	-	-	-	-	1.00	-	-	
	Kawkaileik	-	-	-	-	324.60	1,692.87	-	9.00	-	-	
	Falam	-	-	-	-	-	-	15.12	-	-	-	
	Mindat	-	-	-	-	-	-	7.26	1,266.82	-	-	
	Sagaing	-	-	-	-	-	1.00	-	-	-	-	
	Shwebo	-	-	-	-	-	32.17	4.81	-	-	-	
	Monywa	-	-	-	-	3.84	52.76	1,230.72	111.13	-	41.19	
	Katha	-	-	-	761.56	-	-	-	2.50	176.86	-	
	Kale	-	-	-	2.00	-	-	-	-	-	-	
	Tamu	-	-	-	-	-	1.00	-	-	2.50	-	
	Mawlaik	-	-	-	393.51	0.20	1.70	0.50	-	4.80	2.05	
	Hkamti	-	-	-	-	-	-	-	-	171.24	-	
	Dawei	1,089.20	3.00	-	4.00	55.28	32,473.28	308.56	-	3.31	-	
	Myeik	2,478.61	-	66.28	6.00	29.37	56,229.36	267.80	-	2.25	-	
	Kawthoung	624.58	-	-	-	22,558.68	195.41	-	-	-	-	
	Bago	-	-	-	-	-	33.13	-	-	-	-	
	Taungtha	-	-	75.59	-	-	2,561.15	7.00	-	38.54	-	
	Pyaw	-	-	-	-	-	-	159.92	-	-	-	
	Thayawady	-	-	-	-	-	-	1.49	-	-	-	
Magway	-	-	-	-	10,838.33	-	12.18	262.66	-	16.83		
Minbu	-	-	-	-	148.76	-	-	-	1.50	-		
Thayet	-	-	-	-	150.33	-	-	-	-	-		
Pakokku	-	-	-	-	19.20	-	25.93	88.18	0.70	-		
Gangaw	-	-	-	-	1.00	-	-	-	-	-		
Mandalay	-	-	-	-	50.46	-	16.72	-	-	-		
Pyinoolwin	5.18	-	-	220.28	24.50	85.62	301.95	4.53	154.19	17.63		
Kyaukse	-	-	-	-	545.05	2.00	4.00	0.79	-	-		
Myingyan	-	-	-	-	224.60	2.99	1,949.67	75.62	-	-		
Nyaung-U	-	-	-	-	65.70	-	-	2,928.63	-	-		
Yamethin	-	-	-	-	131.25	-	515.78	-	-	-		
Meiktila	-	-	-	-	255.57	-	-	120.61	-	1.00		
Naypyitaw	-	-	-	-	44.85	29.90	3,274.23	-	-	-		
Mawlamyine	3,423.39	-	277.75	-	10.00	83,610.24	322.21	0.75	16.57	0.72		
Thaon	-	-	-	-	-	244.20	4,029.64	6,392.46	538.12	-		
Sittwe	740.51	-	-	1.00	2.00	5,997.63	105.26	2.50	3,454.89	7.43		
Maungdaw	388.14	-	-	215.20	-	-	-	-	6.00	-		
Kyaukpadaung	1,185.05	-	-	-	-	124.45	8.64	-	546.42	-		
Thandwe	2,581.90	-	7.44	-	-	129.17	9.62	-	3,613.18	-		
Yangon (North)	73.65	-	7.32	-	0.60	58.63	58.72	-	2.92	2.82		
Yangon (East)	-	-	-	-	-	-	-	-	-	-		
Yangon (South)	569.65	-	29.78	-	14.72	54.12	2,278.49	30.36	-	-		
Taunggyi	-	-	-	30.33	-	3.00	7.73	2.00	120.14	24,050.75		
Lolien	-	-	-	-	-	-	-	-	3.00	7.00		
Lashio	-	-	119.37	-	-	-	-	-	7.50	-		
Muse	-	-	-	-	-	-	-	-	27.94	-		
Kyaukse	-	-	-	-	-	-	-	-	46.00	-		
Kunlong	-	-	-	-	-	-	1.50	-	-	-		
Kengtung	-	-	-	-	-	-	-	-	-	-		
Monghsat	-	-	-	5.60	-	-	-	-	3.70	-		
Tachileik	-	-	-	28.58	49.50	-	-	-	44.63	3.00		
Parhien	5,847.68	1.00	21.86	66.67	1,764.68	883.23	2,003.63	5.92	234.95	2.56		
Hintha	24.56	-	25.54	816.19	75.72	17.47	1,956.90	168.13	-	-		
Myaungmya	7,095.46	-	373.37	52.56	50.03	5,220.14	1,223.62	33.77	30.77	0.57		
Mabun	-	-	5,702.85	98.92	-	180.91	3,164.06	-	13.77	-		
Pyawon	13,404.81	-	-	0.50	22.20	2,335.28	334.83	-	-	-		
Laputta	6,313.00	-	-	-	425.57	181.91	239.29	20.86	245.3	0.75		

Source: MCA 2010 Supplementary Module

**Table 03-G. Area of Permanent Flower Crops and Forest Trees in Compact Planting During the past 12 months, by Kind of Permanent Flower Crops/Forest Trees, by Location of Crops, RoUM: 2010**

( Unit - acre )

District Location of Crops	Kind of Permanent Flower Crops			Kind of Forest Trees			
	Roses	Jasmine	Other permanent flower crops	Bamboo	Firetree	Teak trees	Other forest trees
Union of Myanmar	2,282.36	663.58	5,622.24	113,774.45	25,461.52	1,174.52	11,998.05
Myitkyina	3.22	47.39	-	861.48	1,018.41	122.64	1,833.70
Mohnyin	1.00	3.30	5.12	1,330.51	898.00	4.50	35.59
Bhamo	-	-	-	3.00	-	18.08	30.70
Putao	-	0.30	-	444.32	1,770.73	-	499.22
Kawkaik	-	-	10.62	2.21	-	-	-
Mindat	0.25	-	-	18.86	2.50	-	-
Sagaing	-	-	858.00	-	-	-	-
Shwebo	-	-	31.80	-	-	-	-
Monywa	-	-	15.33	-	2.16	-	-
Katha	-	-	-	3.00	-	-	7.00
Tamu	0.95	-	4.33	6.00	5.00	-	-
Mawlaik	-	-	-	0.03	-	-	-
Hkamti	-	-	-	94.85	-	-	-
Dawei	1.00	-	-	1.00	7.00	-	7.00
Myeik	0.20	20.49	-	-	-	-	-
Kawthoung	-	-	-	-	-	148.28	445.83
Bago	0.41	0.75	0.30	-	68.50	-	-
Taungoo	-	-	-	3.00	74.19	528.00	15.00
Pyaw	128.47	1.00	52.49	-	-	-	1.50
Thayawady	-	-	-	0.44	0.30	-	-
Magway	3.06	6.85	2.50	-	-	-	-
Thayet	7.56	-	-	-	-	-	-
Pakokku	-	3.79	3.44	-	-	-	-
Mandalay	-	70.29	34.07	-	-	-	-
Pyinoolwin	-	-	1,354.11	-	233.65	-	6.00
Mingyan	-	-	-	-	-	-	0.50
Yamethin	-	-	-	-	2.24	-	-
Meiktila	-	-	0.50	-	-	-	2.99
Mawlamyine	46.26	91.78	52.11	42.65	14.90	-	14.58
Thaon	2.93	1.35	15.29	6,840.39	884.09	200.00	7,755.56
Sittwe	0.40	0.40	13.15	11.20	60.23	29.74	58.30
Kyaukpyu	-	0.75	-	-	-	-	-
Thandwe	1.04	-	-	402.69	119.00	29.75	-
Yangon (North)	1,790.11	198.53	2,751.81	107.57	146.31	33.68	14.97
Yangon (South)	-	63.49	-	58,787.89	2,179.42	25.35	-
Taunggyi	0.75	3.00	126.05	-	30.46	-	8.00
Loilein	-	-	0.95	-	-	-	-
Lashio	-	-	-	109.52	1,191.04	-	-
Muse	15.10	-	71.16	-	56.44	-	203.50
Kyaukme	1.00	7.77	-	-	-	-	-
Kunlong	-	-	-	-	-	2.00	-
Monghsat	-	-	-	0.30	1.00	5.00	64.00
Tachileik	-	-	15.43	26.57	619.67	-	61.06
Monghyak	-	-	-	-	-	-	111.00
Patheingyi	98.84	115.26	12.45	14,743.80	3,620.25	-	600.73
Hinthada	60.88	2.00	67.94	1,724.46	1,202.18	-	80.97
Myaungmya	3.51	1.35	48.34	19,236.11	8,805.76	22.42	32.79
Maubin	97.90	9.14	18.45	2,582.87	316.88	5.09	38.82
Pyaw	9.88	14.61	18.27	29.58	146.69	-	2.00
Laputta	7.63	-	38.22	6,360.16	1,984.55	-	66.74

Source: MCA 2010 Supplementary Module

Table 04-A. Number of Productive Permanent Crops in Scattered Planting During the past 12 months, by Kind of Permanent Crops, by Location of Crops, RoUM: 2010

District Location of Crops	Kind of Citrus Fruit Trees					Kind of Pome Fruit Trees		
	Orange	Shaddock	Lemon	Lime	Other citrus fruit trees	Apple	Pear	Other pome fruit trees
Union of Myanmar	6,025	38,750	39,265	128,950	3,912	12,240	2,068	13,301
Myitkyina	-	619	-	-	-	-	-	-
Mohmyin	1,550	205	-	715	269	-	-	510
Bhamo	276	-	180	110	10	-	-	-
Putao	-	-	2	-	214	47	-	4,582
Hpa-An	-	1,075	-	-	-	-	-	2
Kawkaik	-	180	40	80	-	-	-	-
Falam	3,038	145	1,430	4,653	-	307	423	-
Mindat	49	800	60	404	146	-	22	-
Monywa	-	-	45	15	-	-	-	-
Kale	-	-	191	323	-	219	-	-
Tamu	-	-	20	92	17	-	-	-
Mawlaik	-	-	-	38	-	-	-	-
Dawei	-	981	982	4,922	-	-	31	-
Myeik	-	2,998	7,033	6,895	22	1,088	-	-
Kawthoung	-	180	8	190	-	-	-	17
Bago	-	35	20	-	-	-	-	-
Taungoo	-	-	100	-	-	-	-	-
Pyay	-	-	5	510	-	-	1,155	-
Thayawady	-	-	-	941	-	-	-	-
Magway	311	-	305	204	-	134	-	177
Minbu	30	-	101	25	15	-	-	-
Thayet	-	-	75	45	-	-	-	-
Pakokku	-	-	218	31	-	-	89	-
Gangaw	-	-	299	76	-	-	-	-
Mandalay	-	-	48	20,826	-	-	-	-
Pyinoolwin	-	-	-	20	-	-	-	-
Kyaikse	-	-	-	299	-	-	-	-
Myingyan	42	6	65	186	-	64	47	167
Nyaung-U	36	-	75	45	-	20	5	-
Yamethin	3	151	-	45	-	-	30	-
Meiktila	-	-	-	1,478	-	316	-	-
Mawlamyine	406	24,411	9,129	63,328	3,044	895	255	1,559
Thaon	-	4,313	547	38	61	50	-	-
Sittwe	-	-	15	30	6	-	-	-
Thandwe	85	-	579	71	-	-	-	-
Yangon (North)	100	1,708	603	1,332	-	-	-	50
Taunggyi	1	-	-	-	-	-	-	-
Lingkho	-	-	106	5	-	-	-	-
Muse	50	-	-	330	87	-	32	58
Kengtung	10	6	6	3	-	-	-	-
Patheingyi	-	344	4,558	2,929	-	1,006	-	119
Hinthada	23	101	93	215	-	1,732	-	-
Myaungmya	15	60	320	2,514	-	1,271	-	29
Mabun	-	431	8,109	2,229	-	-	-	1,796
Pyapon	-	-	3,043	11,754	-	387	-	1,959
Laputta	-	-	852	1,003	-	4,703	-	2,276

Source: MCA 2010 Supplementary Module, SLRD

Table 04-B. Number of Productive Permanent Crops in Scattered Planting During the past 12 months, by Kind of Permanent Crops, by Location of Crops, RoUM: 2010

District Location of Crops	Kind of Stone Fruit Trees						Strawberry
	Peaches	Plum	Marian	Tamarind	Other stone fruit trees	Grapes	
Union of Myanmar	2,119	505,865	67,454	52,353	1,621	2,367	71
Mohryin	-	10	-	10	-	-	-
Bhamo	-	5	-	-	-	-	-
Loikaw	-	-	-	44	-	-	-
Kawkaik	-	-	609	47	-	-	-
Falam	60	-	-	-	-	135	-
Mindat	15	-	-	20	-	-	-
Sagaing	-	-	950	60	-	-	-
Shwebo	-	-	-	48	-	-	-
Monywa	-	83,723	-	255	-	-	-
Katha	-	-	-	345	-	-	-
Kale	-	407	3	150	-	-	-
Tamu	-	1	-	2	-	2	-
Hkamti	-	78	-	137	-	-	-
Dawei	-	95	2,420	494	-	-	-
Myeik	119	2	3,187	2,548	75	-	-
Kawthoung	-	20	-	-	-	-	-
Bago	-	52	19,538	-	-	-	-
Taungoo	-	-	-	77	-	-	-
Pyay	-	2,805	-	-	-	-	-
Thayarwady	-	-	-	30	-	-	-
Magway	6	47,753	-	1,479	-	-	10
Minbu	-	10,526	15	534	-	-	-
Thayet	-	1,592	-	538	-	-	-
Pakokku	63	56,186	3	5,031	20	-	-
Gangaw	17	1,890	-	422	-	-	-
Mandalay	-	2,263	-	-	-	-	-
Pyincolwin	-	120	9	12	50	-	-
Kyaukse	-	2,088	-	105	-	-	-
Myingyan	58	43,399	65	14,920	-	-	-
Nyaung-U	866	90,010	45	3,422	-	-	1
Yamethin	6	121,241	243	8,192	-	1,087	60
Meiktila	3	35,554	136	3,382	-	-	-
Mawlamyine	294	143	19,329	710	1,045	74	-
Thaton	-	15	13,188	22	30	-	-
Sittwe	-	-	758	-	-	-	-
Thandwe	-	8	357	1,371	-	-	-
Yangon (North)	-	1	-	29	-	-	-
Yangon (South)	-	167	30	422	-	-	-
Lingkho	-	40	-	6	-	-	-
Muse	-	-	-	-	15	-	-
Kengtung	-	-	-	-	80	-	-
Patheingyi	-	593	849	4,027	229	681	-
Hinthada	-	2,634	616	539	-	73	-
Myaungmya	307	45	1,151	678	-	-	-
Maubin	-	302	3,083	353	77	-	-
Pyapon	305	59	239	903	-	150	-
Laputta	-	2,039	632	989	-	165	-

Source: MCA 2010 Supplementary Module, SLRD

Table 04-C. Number of Productive Permanent Crops in Scattered Planting During the past 12 months, by Kind of Permanent Crops, by Location of Crops, RoUM: 2010

District Location of Crops	Kind of Other Cultivated Fruit Trees												Other Other Cultivated Fruit Trees
	Banana	Custard Apple	Guava	Mango	Papaya	Pineapple	Jackfruit	Lychee	Durian	Rambutan	Avocado	Mangosteen	
Union of Myanmar	2,471,962	44,272	121,488	966,858	56,818	10,642,591	142,904	5,542	160,867	38,195	5,378	56,969	39,304
	Myitkyina	409	-	405	-	-	31	8	-	61	-	-	5
	Mohayin	-	258	3,326	-	11,426	60	55	-	358	-	-	124
	Bhamo	-	39	429	22	20	3	79	-	-	-	-	-
	Pula-O	50	-	-	-	-	-	-	-	-	-	-	-
	Loikaw	11	-	2	150	-	75	20	-	-	4	-	-
	Hpa-An	3,217	-	-	2,439	1,000	289	-	-	-	10	-	-
	Kawkaresik	741	-	-	2,993	28	1,028	-	-	402	-	-	60
	Falam	7,419	145	-	2,582	1,037	138	20	-	-	2,222	-	-
	Mindat	3,432	-	87	288	900	42	-	-	-	772	-	-
	Sagaing	678	754	271	656	678	528	-	-	-	-	-	-
	Shwebo	10	15	-	3,215	-	-	-	-	-	-	-	-
	Monywa	3,129	-	-	2,264	-	10	-	-	-	-	-	-
	Katha	2,800	35	-	845	10	45	-	-	-	-	-	-
	Kale	3,995	372	165	5,231	163	776	-	-	-	-	-	-
	Tamu	83	-	33	431	1	-	-	772	-	-	-	154
	Mawlaik	65	-	-	224	15	5	-	-	-	-	-	-
	Dawei	138,379	150	727	38,033	1,942	19,142	-	9,050	2,310	461	438	162
	Myeik	123,827	293	2,441	51,597	5,814	28,291	-	53,212	2,027	1,061	5,576	2,106
	Kawthoung	9,963	-	108	4,611	20	3,002	20	963	1,092	70	679	300
	Bago	632	-	14	46,597	70	6,307	-	140	-	-	-	77
	Taungoo	7,703	-	-	1,223	15	-	-	-	-	-	-	-
	Pyaw	100	5,635	551	6,273	-	-	-	-	-	-	-	-
	Thayawady	2,379	44	-	108	-	-	-	-	-	-	-	-
	Magway	3,338	473	57	11,189	439	26	-	-	-	-	-	4
	Minbu	28,058	65	149	8,117	15	137	-	-	-	-	-	2
	Thayet	5,070	626	824	2,509	187	239	-	-	-	-	-	30
	Pakokku	2,226	60	214	4,946	403	-	-	-	-	-	-	-
	Gangaw	10,693	416	150	8,020	529	639	-	-	-	-	-	-
	Mandalay	1,279	-	-	19,964	-	-	-	-	-	-	-	224
	Pyin Oo Lwin	166,959	27	297	3,209	8	311	-	-	-	-	-	7
	Kyaokse	10	-	2	14,172	-	-	-	-	-	-	-	-
	Myingyan	665	30,451	94	44,464	122	2,144	-	-	-	-	-	-
	Nyaung-U	-	147	15	4,567	29	-	-	-	-	-	-	-
	Yamethin	388	670	454	6,873	805	46	-	-	-	-	-	-
	Meiktila	1,260	15	-	2,898	-	15	-	-	-	-	-	-
	Naypyitaw	7,864	-	-	47	-	-	-	-	-	-	-	-
	Mawlamyine	141,924	34	5,061	42,562	6,419	16,527	600	71,025	23,275	51	34,312	1,627
	Thaon	66,280	-	1,991	27,647	1,725	13,395	-	22,426	8,670	152	14,196	500
	Sittwe	161	-	89	882	30	109	7	-	-	-	-	-
	Maungdaw	6,779	-	-	497	-	163	-	-	-	-	-	-
	Kyaokpyu	-	-	-	567	-	399	-	-	-	-	-	-
	Thandwe	44,175	-	888	4,185	82	5,609	-	-	-	-	-	-
	Yangon (North)	11,069	-	17,768	8,020	215	3,566	-	-	-	-	-	216
	Yangon (South)	7,953	434	15	4,513	-	91	-	-	-	-	-	149
	Taunggyi	923	-	-	682	-	-	-	-	-	-	-	-
	Lingkhoo	500	101	17	534	3	6	5	-	-	-	-	-
	Muse	150	-	17	1,000	-	22	1,003	-	-	23	-	8
	Kyaokme	-	-	-	-	-	-	-	-	-	-	-	15
	Kenglung	20	5	-	30	-	10	4	-	-	-	-	-
	Parhein	261,911	654	14,549	77,977	3,011	15,335	-	2,891	-	402	1,431	30,240
	Hinhada	35,465	551	752	5,391	1,454	509	-	-	-	-	-	75
	Myaungmya	205,863	199	18,233	66,766	1,607	17,157	-	1	-	-	-	414
	Maubin	150,392	457	8,222	119,358	2,728	3,790	-	-	-	-	-	-
	Pyapon	505,716	1,172	23,951	135,444	12,847	1,875	3,720	-	120	-	337	2,432
	Laputta	464,849	272	22,962	165,928	13,487	3,187	-	387	-	30	-	372

Source: MCA 2010 Supplementary Module, SLRD



Table 04-D. Number of Productive Permanent Crops in Scattered Planting During the past 12 months, by Kind of Permanent Crops, by Location of Crops, RoUM: 2010

District Location of Crops	Kind of Edible Nut Trees					Kind of Oil Crops		
	Cashew	Chest nut	Walnut	Macadamia	Other edible nut trees	Coconut	Palm	Other oil crops
Union of Myanmar	1,000,089	190	296	196	5,321	1,554,641	5,388	9,714
Mohayin	-	-	-	-	-	216	-	-
Bhamo	-	-	-	-	-	9	-	-
Hpa-An	-	-	-	-	-	65	-	-
Kawkaareik	889	-	-	-	-	2,528	80	-
Falam	-	-	-	-	45	-	-	-
Mindat	2,910	3	3	-	-	-	-	-
Sagaing	-	-	-	-	-	163	-	-
Shwebo	-	-	-	-	-	6	-	-
Monywa	-	-	-	-	905	762	-	-
Kale	-	-	2	-	-	87	-	-
Tamu	-	-	-	-	-	2	53	-
Dawei	363,544	-	-	-	-	53,643	843	78
Myeik	113,531	-	-	-	49	92,908	284	-
Kawthoung	66,537	-	10	-	77	33,732	200	-
Bago	1,000	-	-	156	1,621	243	-	5
Taungoo	5	-	-	-	-	106	-	-
Magway	-	-	-	-	14	365	-	24
Minbu	-	-	-	-	-	139	-	-
Thayet	1,430	-	-	-	-	126	-	-
Pakokku	-	-	-	-	-	668	-	-
Gangaw	3	-	-	-	1,557	35	-	4,134
Pyinoolwin	3	-	-	-	-	3,054	35	-
Kyaukse	-	-	-	-	-	79	-	-
Myingyan	23,468	-	-	-	-	2,274	-	-
Nyaung-U	-	-	-	-	-	76	-	-
Yamethin	-	-	-	-	-	153	-	-
Meiktila	-	-	-	-	-	2	-	-
Naypyitaw	-	-	-	-	-	-	-	179
Mawlamyine	11,587	17	250	-	3	122,159	31	50
Thaton	1,282	-	-	-	-	28,160	-	119
Sittwe	89	-	-	-	-	4	-	-
Kyaukpyu	590	-	-	-	-	2,642	-	-
Thandwe	7,044	-	-	-	-	86,137	149	-
Yangon (North)	2,001	-	-	-	-	621	-	135
Yangon (South)	1,122	-	-	-	-	3,453	-	-
Muse	-	170	-	40	-	-	-	300
Patheingyi	286,513	-	-	-	2	86,801	120	-
Hinthada	45	-	-	-	-	72,425	-	-
Myaungmya	109,110	-	-	-	747	70,206	747	-
Maubin	-	-	-	-	-	36,450	43	-
Pyapon	2,143	-	31	-	300	544,586	1,447	4,390
Laputta	5,244	-	-	-	-	309,559	1,354	301

Source: MCA 2010 Supplementary Module, SLRD

Table 04-E. Number of Productive Permanent Crops in Scattered Planting During the past 12 months, by Kind of Permanent Crops, by Location of Crops, RoUM: 2010

District Location of Crops	Kind of Industrial Permanent Crops				Kind of Industrialized Crops		
	Tea	Coffee	Cocoa	Other industrial permanent crops	Rubber (local)	Rubber (HYV)	Other industrialized crops
Union of Myanmar	85,407	30,192	12,730	766	1,322,598	207,924	762,166
Myitkyina	20	-	-	-	-	-	-
Mohnyin	30	-	-	-	50	-	-
Putao	12,620	-	-	-	-	-	-
Hpa-An	-	50	-	-	-	-	-
Kawkaik	-	-	2	-	-	3,650	-
Falam	20	9,703	-	-	-	-	-
Mindat	14,707	3,473	-	-	-	-	-
Monywa	-	-	148	-	-	-	-
Katha	-	-	-	-	-	375	-
Tamu	-	-	-	-	-	25	-
Hkamti	20	-	-	-	-	-	-
Dawei	-	-	-	-	647,038	163,015	-
Myeik	-	-	-	-	580,231	9,436	-
Kawthung	-	2,200	-	-	17,350	5,550	-
Bago	-	-	-	-	13,200	1,000	-
Magway	-	-	-	-	-	-	40
Thayet	-	-	1,518	-	-	-	38,084
Pakokku	-	-	22	-	-	-	594,071
Gangaw	-	-	1,374	-	-	-	127,574
Pyinoolwin	4,511	-	35	-	63	-	-
Mingyan	-	-	-	-	228	-	331
Nyaung-U	-	-	-	-	44	-	5
Yamethin	-	-	-	761	5	-	-
Meiktila	-	-	-	-	-	-	50
Mawlamyine	50	5	1,181	5	31,392	5	-
Thaton	31,350	580	-	-	19,428	8,128	-
Sittwe	-	-	-	-	4,358	4	-
Thandwe	-	-	2,196	-	2,978	4,463	-
Taunggyi	21,507	11,957	-	-	-	-	-
Lingkho	-	40	-	-	-	-	1,579
Muse	31	-	-	-	-	6,000	-
Kyaukse	112	-	-	-	-	-	-
Kunlong	-	-	-	-	-	46	-
Kengtung	-	-	-	-	-	-	10
Patheingyi	429	-	4,756	-	3,007	4,505	-
Myaungmya	-	-	209	-	2,456	-	-
Maubin	-	-	860	-	-	-	75
Pyaw	-	2,185	398	-	336	1,723	-
Laputta	-	-	30	-	435	-	348

Source: MCA 2010 Supplementary Module, SLRD

Table 04-F. Number of Productive Permanent Crops in Scattered Planting During the past 12 months, by Kind of Permanent Crops, by Location of Crops, RoUM: 2010

District Location of Crops	Kind of Other Domestic Plants					Kind of Other Permanent Crops					
	Dhani	Thabau	Thin	Spear grass	Fodder	Betel nut	Betel leaf	Toddy palm	Danyin	Thanatphet	Other permanent crops
Union of Myanmar	185,068	15	168,128	6,237	29,006	6,249,442	4,701,729	2,258,638	201,705	2,522	56,975
Myittha	-	-	-	-	-	-	-	38	5,796	-	-
Mohayin	-	-	-	-	-	15	-	-	12,453	-	-
Bhamo	-	-	-	-	-	-	-	-	8,463	-	-
Putao	-	-	-	-	-	-	-	-	588	-	10
Loileik	-	-	-	-	-	72	-	-	-	-	-
Hpa-An	-	-	-	-	-	265	335	-	115	-	-
Kawkaik	-	-	-	-	-	5,202	-	-	252	-	-
Falam	-	-	-	-	-	-	-	-	-	-	461
Mindat	-	-	-	-	-	-	-	-	2	-	-
Sagaing	-	-	-	-	-	-	-	4,329	-	-	-
Shwebo	-	-	-	-	-	1,203	781	4,426	-	-	12,876
Monywa	-	-	-	-	-	-	56	62,471	416	-	5,151
Katha	-	-	-	-	-	-	-	30	-	-	-
Kale	-	-	-	-	-	-	-	5,151	45	-	-
Tamu	-	-	-	-	-	10	-	-	4	-	92
Mawlaik	-	-	-	-	-	-	-	-	8	-	2
Dawei	12,739	-	-	6,237	-	987,590	15,541	4,118	10,920	-	176
Myeik	-	-	818	-	-	2,597,868	14,549	235	8,823	-	1,606
Kawthoung	-	-	-	-	-	513,395	129,265	-	45	-	-
Bago	-	-	-	-	-	5	-	550	2,703	-	14,280
Taungoo	-	-	-	-	-	11,464	-	-	-	-	-
Magway	-	-	-	-	7,183	-	100	374,579	45	-	4,227
Minbu	-	-	-	-	-	-	2	32,553	500	-	-
Thayet	-	-	-	-	74	-	-	7,341	-	-	-
Pakokku	-	-	-	-	-	15	-	89,782	10	-	417
Gangaw	-	-	-	-	1,033	-	-	11,489	15	-	-
Pyin Oo Lwin	-	-	15	-	-	7,214	5,057	-	-	-	20
Kyaukse	-	-	-	-	-	-	-	10,019	-	-	-
Mingyan	-	-	-	-	-	-	5	478,866	1,771	-	75
Nyaung-U	-	-	-	-	-	-	1,098	930,205	1,382	-	579
Yamethin	-	-	269	-	15	135	-	13,368	-	-	-
Meiktila	-	-	-	-	6	-	-	180,602	151	-	5,248
Naypyitaw	-	-	-	-	-	-	796,913	299	-	-	-
Mawlamyine	-	-	1,333	-	-	54,705	125,276	877	18,187	273	1,922
Thaon	-	-	-	-	76	39,774	1,114,776	24,939	42,536	-	1,163
Sittwe	-	-	-	-	-	4,883	-	-	1,034	-	-
Maungdaw	-	-	-	-	-	-	-	-	99	-	-
Kyaukpadaung	-	-	-	-	-	-	-	-	301	-	-
Thandwe	10,849	-	-	-	-	14,621	-	-	15,277	-	-
Yangon (North)	200	-	565	-	-	4,899	15	920	-	-	4,965
Yangon (South)	626	-	-	-	-	536	1,244,511	161	75	-	179
Taunggyi	-	-	-	-	-	-	-	-	56	2,248	-
Muse	-	-	-	-	-	-	-	-	178	-	-
Kengtung	-	-	-	-	-	-	-	-	1	-	-
Tachileik	-	-	-	-	-	-	-	-	-	-	200
Patheingyi	5,232	-	-	-	16	48,747	90,095	18,252	60,229	-	247
Hinthada	332	15	-	-	-	2,275	295,086	871	-	-	-
Myaungmya	9,867	-	2,641	-	-	137,013	26,081	1,041	7,916	-	271
Maubin	-	-	3,006	-	-	65,859	407,306	593	-	-	1,698
Pyaw	112,014	-	45	-	476	756,126	366,326	318	32	-	-
Laputta	33,209	-	159,406	-	20,126	995,950	68,605	215	1,279	-	1,111

Source: MCA 2010 Supplementary Module, SLRD

**Table 04-G. Number of Productive Permanent Crops in Scattered Planting During the past 12 months, by Kind of Permanent Crops, by Location of Crops, RoUM: 2010**

District Location of Crops	Kind of Permanent Flower Crops			Kind of Forest Trees			
	Roses	Jasmine	Other permanent flower crops	Bamboo	Firetree	Teak trees	Other forest trees
Union of Myanmar	3,865	15,120	372,239	4,093,833	812,509	35,098	174,600
Myitkyina	-	-	-	799	1,005	9,411	38,474
Mohnyin	-	-	60	13,117	45	-	106
Bhamo	-	-	-	142	-	-	-
Putao	-	-	-	42,721	-	-	820
Mindat	-	-	-	36	-	-	-
Tamu	-	-	-	13	-	-	-
Dawei	-	-	-	2,996	3,468	-	-
Myeik	-	-	-	1	2	-	-
Kawthoung	-	-	-	-	20	-	-
Bago	-	-	-	-	10	-	79,325
Taungtha	-	-	-	-	-	-	-
Pyaw	-	-	-	-	-	-	2,000
Thayawady	-	-	-	163	266	-	-
Magway	2,410	-	191	52	43	-	-
Thayet	-	15	-	74	1,520	69	-
Pakokku	-	-	-	-	1,520	-	7,738
Gangaw	-	-	-	-	73	-	-
Pyin Oolwin	-	-	5	-	-	-	-
Kyaukse	-	-	-	-	418	-	-
Mingyan	15	-	45	151	4,203	3	113
Nyaung-U	-	648	20	-	100	-	254
Yamethin	-	-	-	404	21,906	-	-
Meiktila	-	-	-	-	47,627	-	-
Mawlamyine	-	86	404	57,811	2,974	-	190
Thaon	-	535	238	135,175	4,462	-	34,596
Sittwe	-	452	-	-	-	-	-
Yangon (North)	1,425	1,200	2,042	2,271	2,900	-	1,257
Yangon (South)	-	-	-	-	-	22,637	-
Lingkhoo	-	-	-	7,529	2,664	-	-
Lashio	-	-	-	373	-	-	-
Muse	-	-	1,300	-	-	-	-
Patheingyi	-	7,577	20	2,579,382	525,898	2,529	555
Hinthada	-	-	5	159,423	13,264	300	-
Myaungmya	15	4,284	2,613	322,275	56,101	44	2,588
Maubin	-	-	2,454	439,847	48,035	105	3,616
Pyaw	-	-	4,593	45,677	27,316	-	451
Laputta	-	324	358,249	283,403	46,666	-	2,517

Source: MCA 2010 Supplementary Module, SLRD

## **Special Agriculture Holdings/ Crop Holdings**



Table S-01. Number and Area of Special Crop Holdings and Number of Parcels during the past 12 months, by Size of the Area of Crop Holdings, by Region/State, RoUM: 2010

Region/State	Size of the Area of Crop Holdings/Sub-holdings							Total
	Under 1 acre	1 acre and under 3 acres	3 acres and under 5 acres	5 acres and under 10 acres	10 acres and under 20 acres	20 acres and under 50 acres	50 acres and over	
Union of Myanmar								
Number of Crop Holdings	72	361	215	864	493	758	2,436	5,199
Area of the Crop Holdings (acre)	45.46	609.69	809.86	4,832.76	6,385.11	23,055.23	1,285,456.21	1,321,194.32
Number of Parcels	72	382	251	952	588	977	4,263	7,485
Kachin								
Number of Crop Holdings	*	16	18	23	26	68	443	596
Area of the Crop Holdings (acre)	1.25	27.50	61.63	141.41	327.50	2,090.00	267,208.97	269,858.26
Number of Parcels	*	17	20	25	34	76	566	740
Kayah								
Number of Crop Holdings	-	-	8	12	30	40	66	156
Area of the Crop Holdings (acre)	-	-	28.00	78.00	412.80	1,165.20	6,725.24	8,409.24
Number of Parcels	-	-	8	12	30	46	100	196
Kayin								
Number of Crop Holdings	-	-	*	4	10	5	45	67
Area of the Crop Holdings (acre)	-	-	13.92	30.45	129.30	171.33	19,731.10	20,076.10
Number of Parcels	-	-	*	5	13	6	68	95
Chin								
Number of Crop Holdings	-	-	-	-	-	-	*	*
Area of the Crop Holdings (acre)	-	-	-	-	-	-	185.00	185.00
Number of Parcels	-	-	-	-	-	-	*	*
Sagaing								
Number of Crop Holdings	15	90	23	34	37	53	160	412
Area of the Crop Holdings (acre)	7.92	132.09	73.85	215.76	451.63	1,693.90	127,574.44	130,149.59
Number of Parcels	15	106	40	66	49	82	280	638
Tanintharyi								
Number of Crop Holdings	-	*	*	-	*	5	21	30
Area of the Crop Holdings (acre)	-	1.54	6.75	-	11.50	153.18	176,412.59	176,585.56
Number of Parcels	-	*	*	-	*	6	46	57
Bago East								
Number of Crop Holdings	-	*	5	6	16	36	119	184
Area of the Crop Holdings (acre)	-	4.00	18.00	34.00	209.66	1,170.19	46,845.00	48,280.85
Number of Parcels	-	*	5	6	16	45	165	239
Bago West								
Number of Crop Holdings	-	*	*	8	15	12	62	101
Area of the Crop Holdings (acre)	-	6.35	4.50	47.00	162.34	420.88	24,366.00	25,007.07
Number of Parcels	-	*	*	9	16	13	108	150
Magway								
Number of Crop Holdings	*	33	*	4	5	14	133	195
Area of the Crop Holdings (acre)	1.92	49.43	9.88	24.27	56.63	449.25	91,423.75	92,015.13
Number of Parcels	*	33	*	4	6	24	471	544
Mandalay								
Number of Crop Holdings	51	165	90	85	57	43	140	631
Area of the Crop Holdings (acre)	34.12	295.09	345.46	572.32	727.60	1,321.43	65,377.42	68,673.44
Number of Parcels	51	166	95	98	75	61	274	820
Mon								
Number of Crop Holdings	-	-	-	-	*	*	135	137
Area of the Crop Holdings (acre)	-	-	-	-	17.00	26.70	58,381.76	58,425.46
Number of Parcels	-	-	-	-	*	*	324	327
Rakhine								
Number of Crop Holdings	-	24	13	33	25	51	121	267
Area of the Crop Holdings (acre)	-	46.50	45.50	196.06	315.00	1,605.47	21,186.22	23,394.75
Number of Parcels	-	26	24	50	32	66	268	466
Yangon								
Number of Crop Holdings	-	17	37	634	235	313	423	1,659
Area of the Crop Holdings (acre)	-	31.12	155.94	3,352.05	3,052.10	9,391.52	103,981.18	119,963.91
Number of Parcels	-	18	38	645	248	340	515	1,804
Shan South								
Number of Crop Holdings	-	-	*	*	8	16	70	98
Area of the Crop Holdings (acre)	-	-	7.48	12.00	118.00	473.44	37,198.12	37,809.04
Number of Parcels	-	-	*	8	30	32	178	250
Shan North								
Number of Crop Holdings	-	-	*	-	10	30	230	272
Area of the Crop Holdings (acre)	-	-	8.00	-	150.00	861.60	72,582.14	73,601.74
Number of Parcels	-	-	*	-	16	94	422	534
Shan East								
Number of Crop Holdings	-	-	-	-	*	*	14	18
Area of the Crop Holdings (acre)	-	-	-	-	30.00	50.00	2,983.00	3,063.00
Number of Parcels	-	-	-	-	4	4	40	48
Ayeyarwady								
Number of Crop Holdings	*	10	8	19	15	69	253	375
Area of the Crop Holdings (acre)	0.25	16.07	30.95	129.44	214.05	2,011.14	163,294.28	165,696.18
Number of Parcels	*	10	8	24	16	80	436	575

Source: MCA 2010 Supplementary Modules, SLRD

**Table S-02. Number and Area of Parcel Used by Special Crop Holdings during the past 12 months, by Region/State, RoUM: 2010**

Region/State	All Crop Holdings		
	Number of Parcels	Area of Parcels (acre)	Average Area per Parcel (acre)
Union of Myanmar	7,485	1,321,194.32	176.51
Kachin	740	269,858.26	364.67
Kayah	196	8,409.24	42.90
Kayin	95	20,076.10	211.33
Chin	*	185.00	92.50
Sagaing	638	130,149.59	204.00
Tanintharyi	57	176,585.56	3,097.99
Bago East	239	48,280.85	202.01
Bago West	150	25,007.07	166.71
Magway	544	92,015.13	169.15
Mandalay	820	68,673.44	83.75
Mon	327	58,425.46	178.67
Rakhine	466	23,394.75	50.20
Yangon	1,804	119,963.91	66.50
Shan South	250	37,809.04	151.24
Shan North	534	73,601.74	137.83
Shan East	48	3,063.00	63.81
Ayeyarwady	575	165,696.18	288.17

Source: MCA 2010 Supplementary Modules, SLRD

**Table S-03. Number and Area of Parcel Used by the Special Holdings during the past 12 months, by Size of the Area of the Parcels, by Region/State, RoUM: 2010**

Region/State	Size of the Area of the Parcels							
	Under 1 acre	1 acre and under 3 acres	3 acres and under 5 acres	5 acres and under 10 acres	10 acres and under 20 acres	20 acres and under 50 acres	50 acres and over	Total
Union of Myanmar								
Number of Parcels	120	612	344	1,112	833	1,315	3,149	7,485
Area of Parcels (acre)	65.48	987.15	1,265.06	6,390.92	10,741.44	40,251.14	1,261,493.13	1,321,194.32
Kachin								
Number of Parcels	*	24	21	42	50	134	467	740
Area of Parcels (acre)	1.25	38.63	70.50	258.22	620.00	4,103.19	264,766.47	269,858.26
Kayah								
Number of Parcels	-	-	8	18	44	64	62	196
Area of Parcels (acre)	-	-	28.00	124.00	578.80	1,937.20	5,741.24	8,409.24
Kayin								
Number of Parcels	-	*	4	13	12	13	52	95
Area of Parcels (acre)	-	2.50	16.92	84.35	156.10	436.33	19,379.90	20,076.10
Chin								
Number of Parcels	-	-	-	-	-	-	*	*
Area of Parcels (acre)	-	-	-	-	-	-	185.00	185.00
Sagaing								
Number of Parcels	32	171	37	60	71	82	185	638
Area of Parcels (acre)	15.40	230.89	124.17	397.37	959.62	2,558.49	125,863.95	130,149.59
Tanintharyi								
Number of Parcels	-	*	4	*	-	5	46	57
Area of Parcels (acre)	-	1.54	14.25	8.00	-	149.18	176,412.59	176,585.56
Bago East								
Number of Parcels	-	4	9	12	25	47	142	239
Area of Parcels (acre)	-	8.00	33.00	76.19	333.74	1,445.19	46,384.73	48,280.85
Bago West								
Number of Parcels	-	6	4	10	23	23	84	150
Area of Parcels (acre)	-	11.63	15.14	62.00	269.30	773.74	23,875.26	25,007.07
Magway								
Number of Parcels	*	36	8	16	33	146	302	544
Area of Parcels (acre)	1.92	54.43	27.66	105.27	427.65	4,865.03	86,533.17	92,015.13
Mandalay								
Number of Parcels	56	191	113	101	85	82	192	820
Area of Parcels (acre)	37.44	340.87	433.46	660.72	1,073.46	2,458.21	63,669.28	68,673.44
Mon								
Number of Parcels	-	4	*	10	28	72	211	327
Area of Parcels (acre)	-	8.00	7.00	57.74	356.29	2,133.22	55,863.21	58,425.46
Rakhine								
Number of Parcels	13	56	26	51	69	114	137	466
Area of Parcels (acre)	4.61	92.95	88.12	298.30	852.27	3,549.93	18,508.57	23,394.75
Yangon								
Number of Parcels	*	38	58	648	251	341	467	1,804
Area of Parcels (acre)	0.21	67.51	231.75	3,459.87	3,270.04	10,133.99	102,800.54	119,963.91
Shan South								
Number of Parcels	4	20	14	30	32	34	116	250
Area of Parcels (acre)	2.00	26.50	51.48	186.00	427.74	975.78	36,139.54	37,809.04
Shan North								
Number of Parcels	8	40	20	60	68	60	278	534
Area of Parcels (acre)	2.40	70.54	64.16	358.40	834.78	1,767.50	70,503.96	73,601.74
Shan East								
Number of Parcels	-	-	*	6	14	4	22	48
Area of Parcels (acre)	-	-	8.00	34.00	188.00	162.00	2,671.00	3,063.00
Ayeyarwady								
Number of Parcels	*	20	14	34	28	94	384	575
Area of Parcels (acre)	0.25	33.16	51.45	220.49	393.65	2,802.16	162,195.02	165,696.18

Source: MCA 2010 Supplementary Modules, SLRD

Table S-04. Number and Area of Parcels Used by the Special Crop Holdings during the past 12 months, by Land Type of the Parcel, by Region/State, RoUM: 2010

Region/State	Type of Land of the Parcel							Total
	Paddy	YA	Kaing	Garden	Dhani	Rubber	Other Land Type	
Union of Myanmar								
Number of Parcels	1,990	1,389	85	1,068	*	740	2,211	7,485
Area of Parcels (acre)	243,923.86	351,905.64	11,974.07	324,775.17	47.20	139,369.31	249,199.07	1,321,194.32
Kachin								
Number of Parcels	201	232	8	142	-	54	103	740
Area of Parcels (acre)	16,840.99	128,586.51	1,570.25	78,539.33	-	15,010.18	29,311.00	269,858.26
Kayah								
Number of Parcels	28	8	-	*	-	*	156	196
Area of Parcels (acre)	1,589.24	244.00	-	26.00	-	60.00	6,490.00	8,409.24
Kayin								
Number of Parcels	19	-	*	11	-	44	18	95
Area of Parcels (acre)	939.53	-	349.00	659.50	-	16,416.87	1,711.20	20,076.10
Chin								
Number of Parcels	*	-	-	-	-	-	-	*
Area of Parcels (acre)	185.00	-	-	-	-	-	-	185.00
Sagaing								
Number of Parcels	93	322	12	*	-	6	203	638
Area of Parcels (acre)	32,063.05	90,721.59	3,439.00	52.00	-	359.00	3,514.95	130,149.59
Tanintharyi								
Number of Parcels	11	*	-	26	-	*	14	57
Area of Parcels (acre)	18,134.72	3,139.50	-	149,766.20	-	1,200.00	4,345.14	178,585.56
Bago East								
Number of Parcels	76	16	9	9	-	55	74	239
Area of Parcels (acre)	8,275.53	2,705.94	1,366.48	390.00	-	23,180.16	12,362.74	48,280.85
Bago West								
Number of Parcels	74	35	*	8	-	-	30	150
Area of Parcels (acre)	8,476.70	3,505.41	2,266.02	4,690.00	-	-	6,068.94	25,007.07
Magway								
Number of Parcels	19	118	12	-	*	-	394	544
Area of Parcels (acre)	1,209.76	36,460.02	770.13	-	42.00	-	53,533.22	92,015.13
Mandalay								
Number of Parcels	472	220	26	64	-	-	38	820
Area of Parcels (acre)	12,145.16	41,275.53	384.19	1,700.69	-	-	13,167.87	68,673.44
Mon								
Number of Parcels	117	-	-	48	-	96	66	327
Area of Parcels (acre)	8,765.06	-	-	17,346.61	-	22,573.38	9,740.41	58,425.46
Rakhine								
Number of Parcels	158	*	5	70	-	71	161	466
Area of Parcels (acre)	8,789.46	5.00	91.00	3,205.78	-	4,247.40	7,056.11	23,394.75
Yangon								
Number of Parcels	311	*	*	464	*	285	740	1,804
Area of Parcels (acre)	34,659.67	494.00	600.00	31,723.69	5.20	27,551.52	24,929.83	119,963.91
Shan South								
Number of Parcels	50	146	-	40	-	8	6	250
Area of Parcels (acre)	2,118.20	12,811.02	-	10,191.42	-	736.00	11,952.40	37,809.04
Shan North								
Number of Parcels	68	254	-	94	-	96	22	534
Area of Parcels (acre)	1,386.54	28,407.18	-	12,361.22	-	27,115.40	4,331.40	73,601.74
Shan East								
Number of Parcels	12	14	-	*	-	16	4	48
Area of Parcels (acre)	122.00	1,631.00	-	28.00	-	614.00	668.00	3,063.00
Ayeyarwady								
Number of Parcels	279	18	6	86	-	4	182	575
Area of Parcels (acre)	88,223.25	1,918.94	1,138.00	14,094.73	-	305.40	60,015.86	165,696.18

Source: MCA 2010 Supplementary Modules, SLRD

Table S-05. Number and Area of Parcels under Shifting Cultivation and Used by the Special Crop Holdings during the past 12 months, by Land Type of the Parcel, by Region/State, RoUM: 2010

Region/State	Type of Land of the Parcel							Total
	Paddy	YA	Kaing	Garden	Dhani	Rubber	Other Land Type	
Union of Myanmar								
Number of Parcels	19	30	-	15	-	5	30	99
Area of Parcels (acre)	5,734.72	63,361.95	-	58,151.00	-	5,184.00	6,684.00	139,115.67
Kachin								
Number of Parcels	-	12	-	13	-	4	*	32
Area of Parcels (acre)	-	62,163.00	-	52,945.00	-	5,004.00	5,502.00	125,614.00
Kayin								
Number of Parcels	*	-	-	-	-	*	-	*
Area of Parcels (acre)	16.00	-	-	-	-	180.00	-	196.00
Sagaing								
Number of Parcels	*	8	-	-	-	-	-	10
Area of Parcels (acre)	124.00	254.15	-	-	-	-	-	378.15
Tanintharyi								
Number of Parcels	*	-	-	*	-	-	-	*
Area of Parcels (acre)	4,100.00	-	-	5,156.00	-	-	-	9,256.00
Magway								
Number of Parcels	-	-	-	-	-	-	26	26
Area of Parcels (acre)	-	-	-	-	-	-	1,177.00	1,177.00
Mandalay								
Number of Parcels	12	6	-	*	-	-	-	19
Area of Parcels (acre)	1,064.72	315.60	-	50.00	-	-	-	1,430.32
Rakhine								
Number of Parcels	*	-	-	-	-	-	-	*
Area of Parcels (acre)	45.00	-	-	-	-	-	-	45.00
Yangon								
Number of Parcels	-	-	-	-	-	-	*	*
Area of Parcels (acre)	-	-	-	-	-	-	5.00	5.00
Shan North								
Number of Parcels	-	*	-	-	-	-	-	*
Area of Parcels (acre)	-	30.00	-	-	-	-	-	30.00
Ayeyarwady								
Number of Parcels	*	*	-	-	-	-	-	*
Area of Parcels (acre)	385.00	599.20	-	-	-	-	-	984.20

Source: MCA 2010 Supplementary Modules, SLRD

Table S-06. Number and Area of Parcels Used by the Special Crop Holdings during the past 12 months, by Main Land Use of the Parcel, by Region/State, RoUM: 2010

Region/State	Main Land Use of the Parcel							Total
	Annual Crops	Permanent Crops	Combined Annual and Permanent Crops	Fallow	Livestock/ Poultry	Aquaculture	Other Land Use	
Union of Myanmar								
Number of Parcels	3,647	3,469	274	69	*	12	12	7,485
Area of Parcels (acre)	499,380.99	586,678.54	205,964.50	26,136.90	458.10	288.64	2,286.65	1,321,194.32
Kachin								
Number of Parcels	379	246	112	*	-	-	-	740
Area of Parcels (acre)	82,687.35	41,506.09	145,443.82	221.00	-	-	-	269,858.26
Kayah								
Number of Parcels	38	158	-	-	-	-	-	196
Area of Parcels (acre)	1,885.24	6,524.00	-	-	-	-	-	8,409.24
Kayin								
Number of Parcels	22	69	4	-	-	-	-	95
Area of Parcels (acre)	1,214.53	18,434.57	427.00	-	-	-	-	20,076.10
Chin								
Number of Parcels	*	-	-	-	-	-	-	*
Area of Parcels (acre)	185.00	-	-	-	-	-	-	185.00
Sagaing								
Number of Parcels	226	398	5	8	-	-	*	638
Area of Parcels (acre)	109,663.10	16,374.90	2,866.32	1,238.27	-	-	7.00	130,149.59
Tanintharyi								
Number of Parcels	11	44	*	-	-	-	-	57
Area of Parcels (acre)	13,940.68	158,443.34	4,201.54	-	-	-	-	176,585.56
Bago East								
Number of Parcels	130	102	7	-	-	-	-	239
Area of Parcels (acre)	12,278.10	33,597.37	2,405.38	-	-	-	-	48,280.85
Bago West								
Number of Parcels	112	19	6	7	*	-	5	150
Area of Parcels (acre)	14,138.02	6,146.55	1,188.32	1,382.00	456.10	-	1,716.08	25,007.07
Magway								
Number of Parcels	117	410	11	6	-	-	-	544
Area of Parcels (acre)	26,756.81	41,208.62	20,757.18	3,292.52	-	-	-	92,015.13
Mandalay								
Number of Parcels	546	211	32	27	-	-	4	820
Area of Parcels (acre)	26,909.28	25,311.25	9,246.03	6,804.47	-	-	402.41	68,673.44
Mon								
Number of Parcels	134	186	7	-	-	-	-	327
Area of Parcels (acre)	9,593.06	48,085.15	747.25	-	-	-	-	58,425.46
Rakhine								
Number of Parcels	230	236	-	-	-	-	-	466
Area of Parcels (acre)	12,474.82	10,919.93	-	-	-	-	-	23,394.75
Yangon								
Number of Parcels	839	889	58	*	*	12	*	1,804
Area of Parcels (acre)	39,964.97	67,881.06	11,335.08	331.00	2.00	288.64	161.16	119,963.91
Shan South								
Number of Parcels	180	62	-	8	-	-	-	250
Area of Parcels (acre)	13,073.62	12,283.02	-	12,452.40	-	-	-	37,809.04
Shan North								
Number of Parcels	278	244	6	6	-	-	-	534
Area of Parcels (acre)	20,787.88	51,648.62	800.00	365.24	-	-	-	73,601.74
Shan East								
Number of Parcels	14	34	-	-	-	-	-	48
Area of Parcels (acre)	237.00	2,826.00	-	-	-	-	-	3,063.00
Ayeyarwady								
Number of Parcels	389	161	24	*	-	-	-	575
Area of Parcels (acre)	113,591.53	45,488.07	6,546.58	70.00	-	-	-	165,696.18

Source: MCA 2010 Supplementary Modules, SLRD



**Table S-07. Number and Area of Parcels Used by the Special Crop Holdings during the past 12 months, by Land Tenure, by Region/State, RoUM: 2010**

Region/State	Land Tenure of the Parcel			
	Owner-like	Trespassed	Other land tenure	Total
Union of Myanmar				
Number of Parcels	6,217	241	1,027	7,485
Area of Parcels (acre)	1,137,996.44	71,938.00	111,259.88	1,321,194.32
Kachin				
Number of Parcels	639	88	13	740
Area of Parcels (acre)	207,632.01	60,099.25	2,127.00	269,858.26
Kayah				
Number of Parcels	194	*	-	196
Area of Parcels (acre)	8,403.24	6.00	-	8,409.24
Kayin				
Number of Parcels	78	*	15	95
Area of Parcels (acre)	17,517.10	128.00	2,431.00	20,076.10
Chin				
Number of Parcels	*	-	-	*
Area of Parcels (acre)	185.00	-	-	185.00
Sagaing				
Number of Parcels	414	41	183	638
Area of Parcels (acre)	106,658.41	1,291.82	22,199.36	130,149.59
Tanintharyi				
Number of Parcels	37	*	19	57
Area of Parcels (acre)	165,451.72	3.50	11,130.34	176,585.56
Bago East				
Number of Parcels	200	*	38	239
Area of Parcels (acre)	45,616.44	61.00	2,603.41	48,280.85
Bago West				
Number of Parcels	134	7	9	150
Area of Parcels (acre)	21,450.50	458.00	3,098.57	25,007.07
Magway				
Number of Parcels	168	20	356	544
Area of Parcels (acre)	59,648.09	981.00	31,386.04	92,015.13
Mandalay				
Number of Parcels	692	11	117	820
Area of Parcels (acre)	51,775.98	5,017.69	11,879.77	68,673.44
Mon				
Number of Parcels	284	-	43	327
Area of Parcels (acre)	52,222.28	-	6,203.18	58,425.46
Rakhine				
Number of Parcels	353	21	92	466
Area of Parcels (acre)	20,400.94	644.50	2,349.31	23,394.75
Yangon				
Number of Parcels	1,667	32	105	1,804
Area of Parcels (acre)	111,342.71	1,553.55	7,067.65	119,963.91
Shan South				
Number of Parcels	250	-	-	250
Area of Parcels (acre)	37,809.04	-	-	37,809.04
Shan North				
Number of Parcels	534	-	-	534
Area of Parcels (acre)	73,601.74	-	-	73,601.74
Shan East				
Number of Parcels	48	-	-	48
Area of Parcels (acre)	3,063.00	-	-	3,063.00
Ayeyarwady				
Number of Parcels	523	15	37	575
Area of Parcels (acre)	155,218.24	1,693.69	8,784.25	165,696.18

Source: MCA 2010 Supplementary Modules, SLRD

**Table S-08. Number and Physical Area of All Parcels in the Special Crop Holdings and Area Irrigated of these Parcels during the past 12 months, by Region/State, RoUM: 2010**

Region/State	All Parcels of Crop Holdings		
	Number	Physical Area (acre)	Area Irrigated (acre)
Union of Myanmar	7,483	1,321,009.32	119,271.83
Kachin	740	269,858.26	6,371.43
Kayah	196	8,409.24	1,589.24
Kayin	95	20,076.10	28.20
Sagaing	638	130,149.59	7,973.10
Tanintharyi	57	176,585.56	41.00
Bago East	239	48,280.85	449.26
Bago West	150	25,007.07	553.27
Magway	544	92,015.13	2,806.80
Mandalay	820	68,673.44	16,189.01
Mon	327	58,425.46	790.80
Rakhine	466	23,394.75	396.25
Yangon	1,804	119,963.91	17,634.22
Shan South	250	37,809.04	2,446.20
Shan North	534	73,601.74	1,252.04
Shan East	48	3,063.00	122.00
Ayeyarwady	575	165,696.18	60,629.01

Source: MCA 2010 Supplementary Modules, SLRD

Table S-09. Number and Area Irrigated of Parcels Used by the Special Crop Holdings during the past 12 months, by Size of the Area Irrigated of the Parcel, by Region/State, RoUM: 2010

Region/State	Size of the Area Irrigated of the Parcels							Total
	Under 1 acre	1 acre and under 3 acres	3 acres and under 5 acres	5 acres and under 10 acres	10 acres and under 20 acres	20 acres and under 50 acres	50 acres and over	
Union of Myanmar								
Number of Irrigated Parcels	54	225	267	330	189	207	406	1,678
Area of Irrigated Parcels (acre)	35.03	398.77	1,055.07	2,052.94	2,495.95	6,262.62	106,971.45	119,271.83
Kachin								
Number of Irrigated Parcels	-	*	*	5	5	15	39	67
Area of Irrigated Parcels (acre)	-	1.50	6.00	33.00	60.00	445.39	5,825.54	6,371.43
Kayah								
Number of Irrigated Parcels	-	-	-	*	4	8	14	28
Area of Irrigated Parcels (acre)	-	-	-	14.00	48.00	268.00	1,259.24	1,589.24
Kayin								
Number of Irrigated Parcels	-	-	-	*	*	-	-	*
Area of Irrigated Parcels (acre)	-	-	-	8.20	20.00	-	-	28.20
Sagaing								
Number of Irrigated Parcels	*	6	-	8	9	18	21	63
Area of Irrigated Parcels (acre)	0.30	7.60	-	57.36	143.49	541.27	7,223.08	7,973.10
Tanintharyi								
Number of Irrigated Parcels	-	5	*	-	-	*	-	9
Area of Irrigated Parcels (acre)	-	9.50	9.50	-	-	22.00	-	41.00
Bago East								
Number of Irrigated Parcels	-	-	*	4	*	*	2	14
Area of Irrigated Parcels (acre)	-	-	7.00	25.00	40.26	113.00	264.00	449.26
Bago West								
Number of Irrigated Parcels	-	-	*	*	*	*	5	13
Area of Irrigated Parcels (acre)	-	-	3.00	9.91	43.50	75.27	421.59	553.27
Magway								
Number of Irrigated Parcels	-	-	*	6	7	8	17	41
Area of Irrigated Parcels (acre)	-	-	9.78	40.48	89.50	250.21	2,416.83	2,806.80
Mandalay								
Number of Irrigated Parcels	46	144	92	81	58	46	60	527
Area of Irrigated Parcels (acre)	31.28	264.90	356.31	539.14	738.55	1,347.60	12,911.23	16,189.01
Mon								
Number of Irrigated Parcels	-	*	4	4	5	*	4	22
Area of Irrigated Parcels (acre)	-	3.50	12.00	20.00	55.00	75.00	625.30	790.80
Rakhine								
Number of Irrigated Parcels	4	*	*	-	*	6	*	19
Area of Irrigated Parcels (acre)	1.55	2.45	4.00	-	35.50	180.00	172.75	396.25
Yangon								
Number of Irrigated Parcels	*	54	138	173	41	54	68	529
Area of Irrigated Parcels (acre)	0.50	91.38	567.44	1,040.16	583.92	1,689.21	13,661.61	17,634.22
Shan South								
Number of Irrigated Parcels	-	-	4	8	16	4	16	48
Area of Irrigated Parcels (acre)	-	-	15.48	44.00	188.08	113.78	2,084.86	2,446.20
Shan North								
Number of Irrigated Parcels	-	10	4	20	10	8	6	58
Area of Irrigated Parcels (acre)	-	16.94	12.16	109.40	111.54	222.00	780.00	1,252.04
Shan East								
Number of Irrigated Parcels	-	-	*	4	6	-	-	12
Area of Irrigated Parcels (acre)	-	-	8.00	24.00	90.00	-	-	122.00
Ayeyarwady								
Number of Irrigated Parcels	*	*	11	13	17	30	151	225
Area of Irrigated Parcels (acre)	1.40	1.00	44.40	88.29	248.61	919.89	59,325.42	60,629.01

Source: MCA 2010 Supplementary Modules, SLRD

**Table S-10. Number and Area Irrigated of the Parcels Used by the Special Crop Holdings during the past 12 months, by Type of Irrigation, by Region/State, RoUM: 2010**

Region/State	Type of Irrigation					Total
	Own-Well	River or Creek	Private Dam/ Canal	Government Canal	Other Types	
Union of Myanmar						
Number of Irrigated Parcels	399	433	29	705	112	1,678
Area of Irrigated Parcels (acre)	12,605.28	70,044.24	2,673.17	26,442.18	7,506.96	119,271.83
Kachin						
Number of Irrigated Parcels	*	33	6	*	25	67
Area of Irrigated Parcels (acre)	130.00	2,613.83	384.60	52.00	3,191.00	6,371.43
Kayah						
Number of Irrigated Parcels	-	-	-	22	6	28
Area of Irrigated Parcels (acre)	-	-	-	1,243.24	346.00	1,589.24
Kayin						
Number of Irrigated Parcels	-	*	-	-	-	*
Area of Irrigated Parcels (acre)	-	28.20	-	-	-	28.20
Sagaing						
Number of Irrigated Parcels	13	*	6	35	8	63
Area of Irrigated Parcels (acre)	5,248.22	70.00	1,261.25	1,267.49	126.14	7,973.10
Tanintharyi						
Number of Irrigated Parcels	*	8	-	-	-	9
Area of Irrigated Parcels (acre)	3.50	37.50	-	-	-	41.00
Bago East						
Number of Irrigated Parcels	-	*	-	11	*	14
Area of Irrigated Parcels (acre)	-	239.00	-	195.26	15.00	449.26
Bago West						
Number of Irrigated Parcels	-	*	*	7	-	13
Area of Irrigated Parcels (acre)	-	60.18	295.59	197.50	-	553.27
Magway						
Number of Irrigated Parcels	*	14	5	11	8	41
Area of Irrigated Parcels (acre)	360.00	806.80	319.00	935.00	386.00	2,806.80
Mandalay						
Number of Irrigated Parcels	51	34	*	414	27	527
Area of Irrigated Parcels (acre)	1,049.27	2,807.56	10.00	9,781.05	2,541.13	16,189.01
Mon						
Number of Irrigated Parcels	*	8	-	8	*	22
Area of Irrigated Parcels (acre)	39.50	317.00	-	276.30	158.00	790.80
Rakhine						
Number of Irrigated Parcels	-	7	*	5	6	19
Area of Irrigated Parcels (acre)	-	256.25	45.00	91.00	4.00	396.25
Yangon						
Number of Irrigated Parcels	307	63	*	144	12	529
Area of Irrigated Parcels (acre)	2,550.78	3,843.82	51.13	10,649.74	538.75	17,634.22
Shan South						
Number of Irrigated Parcels	*	14	*	28	*	48
Area of Irrigated Parcels (acre)	400.00	261.78	300.00	1,464.42	20.00	2,446.20
Shan North						
Number of Irrigated Parcels	*	42	-	*	12	58
Area of Irrigated Parcels (acre)	21.54	1,190.40	-	6.16	33.94	1,252.04
Shan East						
Number of Irrigated Parcels	*	10	-	-	-	12
Area of Irrigated Parcels (acre)	30.00	92.00	-	-	-	122.00
Ayeyarwady						
Number of Irrigated Parcels	14	191	*	16	*	225
Area of Irrigated Parcels (acre)	2,772.47	57,419.92	6.60	283.02	147.00	60,629.01

Source: MCA 2010 Supplementary Modules, SLRD

**Table S-11. Number, Physical Area and Area Planted to Annual Crops of the Parcels under Annual Crops or Combined Annual and Permanent Crops Reported from the Special Crop Holdings during the past 12 months, by Region/State, RoUM: 2010**

Region/State	Parcels under Annual Crops/Combined Annual/Permanent Crops		
	Number	Physical Area (acre)	Area Planted to Annual Crops (acre)
Union of Myanmar	3,921	705,345	567,126
Kachin	491	228,131	67,545
Kayah	38	1,885	2,708
Kayin	26	1,642	1,500
Chin	*	185	185
Sagaing	231	112,529	95,679
Tanintharyi	13	18,142	731
Bago East	137	14,683	23,413
Bago West	118	15,326	17,050
Magway	128	47,514	26,717
Mandalay	578	36,155	43,735
Mon	141	10,340	10,500
Rakhine	230	12,475	12,561
Yangon	897	51,300	59,728
Shan South	180	13,074	15,590
Shan North	284	21,588	21,526
Shan East	14	237	237
Ayeyarwady	413	120,138	167,722

Source: MCA 2010 Supplementary Module, SLRD

**Table S-12. Number and Area Planted to Annual Crops of Parcels under Annual Crops and Combined Annual and Permanent Crops Reported from the Special Crop Holdings during the past 12 months, by Size of the Area Planted to Annual Crop(s) of the Parcel, by Region/State, RoUM: 2010**

Region/State	Size of the Area Planted to Annual Crops							TOTAL
	Under 1 acre	1 acre and under 3 acres	3 acres and under 5 acres	5 acres and under 10 acres	10 acres and under 20 acres	20 acres and under 50 acres	50 acres and over	
Union of Myanmar								
Number of the Parcels under Annual Crops	232	1,209	766	735	719	1,075	1,978	3,921
Area Planted to Annual Crops (acre)	104.53	2,475.76	2,943.28	4,658.11	9,360.57	32,556.27	515,027.89	567,126.41
Kachin								
Number of the Parcels under Annual Crops	7	35	19	44	47	103	263	491
Area Planted to Annual Crops (acre)	1.86	49.00	64.00	253.31	578.00	3,202.41	63,395.99	67,544.57
Kayah								
Number of the Parcels under Annual Crops	-	-	-	6	6	18	24	38
Area Planted to Annual Crops (acre)	-	-	-	44.00	76.00	568.00	2,020.48	2,708.48
Kayin								
Number of the Parcels under Annual Crops	-	-	*	*	6	5	11	26
Area Planted to Annual Crops (acre)	-	-	4.00	20.20	77.00	146.33	1,252.00	1,499.53
Chin								
Number of the Parcels under Annual Crops	-	-	-	-	-	-	*	*
Area Planted to Annual Crops (acre)	-	-	-	-	-	-	185.00	185.00
Sagaing								
Number of the Parcels under Annual Crops	*	12	9	34	72	105	145	231
Area Planted to Annual Crops (acre)	0.60	19.64	29.67	230.04	1,049.18	3,154.57	91,195.70	95,679.40
Tanintharyi								
Number of the Parcels under Annual Crops	*	-	*	*	-	4	5	13
Area Planted to Annual Crops (acre)	0.30	-	7.50	8.00	-	125.18	590.00	730.98
Bago East								
Number of the Parcels under Annual Crops	-	5	15	20	44	62	126	137
Area Planted to Annual Crops (acre)	-	10.00	54.00	123.72	562.58	1,820.37	20,841.97	23,412.64
Bago West								
Number of the Parcels under Annual Crops	-	8	6	19	51	33	68	118
Area Planted to Annual Crops (acre)	-	16.53	23.13	121.77	607.89	1,071.95	15,209.07	17,050.34
Magway								
Number of the Parcels under Annual Crops	-	9	7	24	35	55	74	128
Area Planted to Annual Crops (acre)	-	14.40	23.78	149.86	448.70	1,681.80	24,398.33	26,716.87
Mandalay								
Number of the Parcels under Annual Crops	74	282	169	171	104	109	146	578
Area Planted to Annual Crops (acre)	52.40	513.65	653.73	1,111.33	1,289.43	3,192.05	36,922.59	43,735.18
Mon								
Number of the Parcels under Annual Crops	39	15	6	11	24	54	65	141
Area Planted to Annual Crops (acre)	16.37	22.80	21.70	57.04	302.54	1,559.08	8,520.83	10,500.36
Rakhine								
Number of the Parcels under Annual Crops	16	11	11	19	38	78	83	230
Area Planted to Annual Crops (acre)	6.68	15.90	42.62	120.30	510.27	2,420.85	9,444.00	12,560.62
Yangon								
Number of the Parcels under Annual Crops	60	751	430	220	104	186	244	897
Area Planted to Annual Crops (acre)	14.87	1,678.11	1,721.23	1,393.92	1,407.87	5,818.09	47,693.91	59,728.00
Shan South								
Number of the Parcels under Annual Crops	6	18	18	30	36	50	94	180
Area Planted to Annual Crops (acre)	3.00	28.00	68.48	176.00	457.82	1,455.94	13,400.32	15,589.56
Shan North								
Number of the Parcels under Annual Crops	-	36	22	60	70	64	110	284
Area Planted to Annual Crops (acre)	-	66.94	71.56	338.40	867.14	1,772.50	18,409.36	21,525.90
Shan East								
Number of the Parcels under Annual Crops	-	*	4	6	6	*	-	14
Area Planted to Annual Crops (acre)	-	2.00	16.00	35.00	90.00	94.00	-	237.00
Ayeyarwady								
Number of the Parcels under Annual Crops	26	25	37	67	76	147	518	413
Area Planted to Annual Crops (acre)	8.45	38.79	141.88	475.22	1,036.15	4,473.15	161,548.34	167,721.98

Source: MCA 2010 Supplementary Module, SLRD



**Table S-13. Number of Parcels under Cereals for Grain and Area Planted to Cereals for Grain Reported from the Special Crop Holdings during the past 12 months, by Kind of Cereals for Grain Planted, by Region/State, RoUM: 2010**

Region/State	Kind of Cereals for Grain Planted					
	Paddy	Wheat	Flower Wheat	Millet Sorghum	Maize (Seed)	Maize (Cob)
Union of Myanmar						
Number of the Parcels under Cereals for Grain	3,181	22	*	12	225	15
Area Planted to Cereals for Grain (acre)	269,704.13	1,855.12	19.00	257.31	21,100.85	205.17
Kachin						
Number of the Parcels under Cereals for Grain	300	*	-	-	10	*
Area Planted to Cereals for Grain (acre)	23,168.21	40.00	-	-	240.50	5.00
Kayah						
Number of the Parcels under Cereals for Grain	44	-	-	-	8	-
Area Planted to Cereals for Grain (acre)	2,412.48	-	-	-	268.00	-
Kayin						
Number of the Parcels under Cereals for Grain	22	-	-	-	-	-
Area Planted to Cereals for Grain (acre)	1,140.53	-	-	-	-	-
Chin						
Number of the Parcels under Cereals for Grain	*	-	-	-	-	-
Area Planted to Cereals for Grain (acre)	185.00	-	-	-	-	-
Sagaing						
Number of the Parcels under Cereals for Grain	116	8	*	*	7	*
Area Planted to Cereals for Grain (acre)	5,769.23	1,558.22	19.00	50.00	1,168.70	1.75
Tanintharyi						
Number of the Parcels under Cereals for Grain	12	-	-	-	-	-
Area Planted to Cereals for Grain (acre)	730.68	-	-	-	-	-
Bago East						
Number of the Parcels under Cereals for Grain	140	-	-	-	3	-
Area Planted to Cereals for Grain (acre)	10,211.58	-	-	-	264.09	-
Bago West						
Number of the Parcels under Cereals for Grain	87	-	-	-	-	-
Area Planted to Cereals for Grain (acre)	5,451.91	-	-	-	-	-
Magway						
Number of the Parcels under Cereals for Grain	37	-	-	4	*	*
Area Planted to Cereals for Grain (acre)	1,985.76	-	-	66.31	450.00	162.00
Mandalay						
Number of the Parcels under Cereals for Grain	662	-	-	4	6	2
Area Planted to Cereals for Grain (acre)	8,956.22	-	-	105.00	250.30	10.92
Mon						
Number of the Parcels under Cereals for Grain	140	-	-	-	-	-
Area Planted to Cereals for Grain (acre)	8,393.40	-	-	-	-	-
Rakhine						
Number of the Parcels under Cereals for Grain	241	-	-	-	-	-
Area Planted to Cereals for Grain (acre)	12,239.82	-	-	-	-	-
Yangon						
Number of the Parcels under Cereals for Grain	523	*	-	*	-	8
Area Planted to Cereals for Grain (acre)	46,567.48	4.90	-	30.00	-	20.30
Shan South						
Number of the Parcels under Cereals for Grain	64	-	-	2	66	-
Area Planted to Cereals for Grain (acre)	2,532.12	-	-	6.00	8,697.26	-
Shan North						
Number of the Parcels under Cereals for Grain	104	12	-	-	122	-
Area Planted to Cereals for Grain (acre)	2,339.04	252.00	-	-	9,751.00	-
Shan East						
Number of the Parcels under Cereals for Grain	14	-	-	-	2	-
Area Planted to Cereals for Grain (acre)	216.00	-	-	-	11.00	-
Ayeyarwady						
Number of the Parcels under Cereals for Grain	673	-	-	-	-	2
Area Planted to Cereals for Grain (acre)	137,404.67	-	-	-	-	5.20

Source: MCA 2010 Supplementary Module, SLRD

Table S-14. Number of Parcels under Pulses and Area Planted to Pulses Reported from the Special Crop Holdings during the past 12 months, by Kind of Pulses Planted, by Region/State, RoUM: 2010

Region/State	Kind of Pulses Planted															
	Black Gram (Matpe)	Green Gram (Padesein)	Butter Bean	Cow pea (Bocate)	Sultani	Sultapya	Soya bean	Chick pea	Pelun	Pigeon pea	Rice bean (Payin)	Duffin bean (Pebyugale)	Labiab bean (Pegyi)	Lima bean (Pegya)	Mung bean (Pensuk)	Other pulses
Union of Myanmar	246	168	4	7	-	*	19	74	12	174	11	6	7	4	7	124
Number of the Parcels under Pulses	32 811.87	15 538.49	27.00	1 227.00	-	2.50	333.40	5 602.95	366.00	31 132.61	452.06	881.56	574.00	527.94	2 087.00	1 311.74
Area Planted to Pulses (acre)																
Kachin	-	-	-	-	-	-	*	-	-	-	-	-	-	-	-	-
Number of the Parcels under Pulses	-	-	-	-	-	-	1.00	-	-	-	-	-	-	-	-	-
Area Planted to Pulses (acre)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kayah	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Number of the Parcels under Pulses	-	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Area Planted to Pulses (acre)	-	28.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sagaing	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Number of the Parcels under Pulses	*	24	*	-	-	-	*	20	-	48	*	-	*	*	-	10
Area Planted to Pulses (acre)	1 217.00	2 190.16	2.00	-	-	-	30.00	1 195.23	-	20 191.07	293.00	-	130.00	95.00	-	418.61
Bago East	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Number of the Parcels under Pulses	72	13	-	-	-	-	-	-	-	-	-	*	-	-	-	-
Area Planted to Pulses (acre)	9 293.02	410.00	-	-	-	-	-	-	-	-	-	424.56	-	-	-	-
Bago West	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Number of the Parcels under Pulses	47	6	-	-	-	-	-	*	-	5	-	-	-	-	-	-
Area Planted to Pulses (acre)	3 634.04	89.28	-	-	-	-	-	2 484.00	-	303.00	-	-	-	-	-	-
Magway	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Number of the Parcels under Pulses	*	27	*	-	-	-	-	*	-	18	-	-	4	-	5	-
Area Planted to Pulses (acre)	20.00	2 484.46	25.00	-	-	-	-	21.00	35.00	3 720.00	-	-	164.00	-	2 027.00	-
Mandalay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Number of the Parcels under Pulses	9	42	-	-	-	-	-	48	-	25	4	*	*	*	*	9
Area Planted to Pulses (acre)	613.35	4 479.09	-	-	-	-	-	1 902.72	-	3 493.54	54.06	457.00	260.00	432.84	40.00	623.48
Mon	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Number of the Parcels under Pulses	*	17	-	-	-	-	-	-	*	*	-	-	-	-	-	*
Area Planted to Pulses (acre)	3.00	1 033.00	-	-	-	-	-	-	15.00	5.00	-	-	-	-	-	0.45
Rakhine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Number of the Parcels under Pulses	-	-	-	*	-	-	-	-	-	-	-	-	-	-	-	-
Area Planted to Pulses (acre)	-	-	-	3.00	-	-	-	-	-	-	-	-	-	-	-	-
Yangon	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Number of the Parcels under Pulses	31	48	-	-	-	*	-	-	-	-	-	-	-	-	-	99
Area Planted to Pulses (acre)	1 536.81	1 531.50	-	-	-	2.50	-	-	-	-	-	-	-	-	-	245.00
Shan South	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Number of the Parcels under Pulses	-	-	-	-	-	-	4	-	-	50	4	-	-	-	-	-
Area Planted to Pulses (acre)	-	-	-	-	-	-	22.00	-	-	2 293.00	105.00	-	-	-	-	-
Shan North	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Number of the Parcels under Pulses	*	-	-	-	-	-	12	-	-	24	-	-	-	-	-	4
Area Planted to Pulses (acre)	20.00	-	-	-	-	-	280.40	-	-	1 100.00	-	-	-	-	-	24.00
Shan East	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Number of the Parcels under Pulses	-	-	-	-	-	-	-	-	-	*	-	-	-	-	-	-
Area Planted to Pulses (acre)	-	-	-	-	-	-	-	-	-	2.00	-	-	-	-	-	-
Ayeyarwady	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Number of the Parcels under Pulses	81	9	-	6	-	-	-	-	8	*	-	-	-	-	-	*
Area Planted to Pulses (acre)	16 474.65	3 293.00	-	1 224.00	-	-	-	-	316.00	25.00	-	-	-	-	-	0.20

Source: MCA 2010 Supplementary Module, SLRD

**Table S-15. Number of Parcels under Tuber/Root Crops and Area Planted to Tuber/Root Crops Reported from the Special Crop Holdings during the past 12 months, by Kind of Tuber/Root Crops Planted, by Region/State, RoUM: 2010**

Region/State	Kind of Tuber and Root Crops Planted			
	Potato	Cassava	Sweet Potato	Other Tuber and Root Crops
Union of Myanmar				
Number of the Parcels under Tuber/Root Crops	23	64	52	8
Area Planted to Tuber and Root Crops (acre)	1,074.48	29,915.32	191.20	124.10
Kachin				
Number of the Parcels under Tuber/Root Crops	*	5	-	*
Area Planted to Tuber and Root Crops (acre)	5.00	21,983.00	-	2.10
Mon				
Number of the Parcels under Tuber/Root Crops	-	-	*	*
Area Planted to Tuber and Root Crops (acre)	-	-	1.30	1.00
Rakhine				
Number of the Parcels under Tuber/Root Crops	6	-	-	-
Area Planted to Tuber and Root Crops (acre)	170.00	-	-	-
Yangon				
Number of the Parcels under Tuber/Root Crops	-	7	47	*
Area Planted to Tuber and Root Crops (acre)	-	282.60	179.60	121.00
Shan South				
Number of the Parcels under Tuber/Root Crops	16	-	-	-
Area Planted to Tuber and Root Crops (acre)	899.48	-	-	-
Shan North				
Number of the Parcels under Tuber/Root Crops	-	10	-	-
Area Planted to Tuber and Root Crops (acre)	-	1,153.00	-	-
Ayeyarwady				
Number of the Parcels under Tuber/Root Crops	-	42	*	-
Area Planted to Tuber and Root Crops (acre)	-	6,496.72	10.30	-

Source: MCA 2010 Supplementary Module, SLRD

**Table S-16. Number of Parcels under Tuber/Root Crops and Oil Seed Crops and Area Planted to Tuber/Root Crops and Oil Seed Crops Reported from the Special Crop Holdings during the past 12 months, by Kind of Tuber/Root Crops and Oil Seed Crops Planted, by Region/State, RoUM: 2010**

Region/State	Kind of Oil Seed Crops Planted				
	Groundnut	Sunflower	Mustard	Sesame	Other Oil Seed Crops
Union of Myanmar					
Number of the Parcels under Oil Seed Crops	109	66	11	221	201
Area Planted to Oil Seed Crops (acre)	4,315.47	2,581.02	393.50	16,116.83	23,924.75
Kachin					
Number of the Parcels under Oil Seed Crops	*	-	7	10	160
Area Planted to Oil Seed Crops (acre)	5.00	-	99.50	234.00	18,995.75
Kayin					
Number of the Parcels under Oil Seed Crops	*	-	-	-	-
Area Planted to Oil Seed Crops (acre)	57.00	-	-	-	-
Sagaing					
Number of the Parcels under Oil Seed Crops	20	13	*	42	16
Area Planted to Oil Seed Crops (acre)	749.85	388.00	100.00	2,518.90	1,187.00
Bago East					
Number of the Parcels under Oil Seed Crops	*	-	-	4	-
Area Planted to Oil Seed Crops (acre)	2.00	-	-	490.15	-
Bago West					
Number of the Parcels under Oil Seed Crops	12	-	-	9	*
Area Planted to Oil Seed Crops (acre)	601.37	-	-	818.74	1,648.00
Magway					
Number of the Parcels under Oil Seed Crops	9	*	-	45	*
Area Planted to Oil Seed Crops (acre)	103.67	59.00	-	8,678.73	5.00
Mandalay					
Number of the Parcels under Oil Seed Crops	31	26	*	108	*
Area Planted to Oil Seed Crops (acre)	864.25	1,603.14	180.00	3,284.31	1,247.00
Rakhine					
Number of the Parcels under Oil Seed Crops	6	-	-	-	-
Area Planted to Oil Seed Crops (acre)	137.00	-	-	-	-
Yangon					
Number of the Parcels under Oil Seed Crops	4	-	-	-	-
Area Planted to Oil Seed Crops (acre)	17.10	-	-	-	-
Shan South					
Number of the Parcels under Oil Seed Crops	*	-	-	-	14
Area Planted to Oil Seed Crops (acre)	40.00	-	-	-	568.00
Shan North					
Number of the Parcels under Oil Seed Crops	8	4	*	-	8
Area Planted to Oil Seed Crops (acre)	18.40	14.00	14.00	-	274.00
Ayeyarwady					
Number of the Parcels under Oil Seed Crops	13	21	-	*	-
Area Planted to Oil Seed Crops (acre)	1,719.83	516.88	-	92.00	-

Source: MCA 2010 Supplementary Module, SLRD

**Table S-17. Number of Parcels under Spices/Medicinal Plants and Area Planted to Spices/Medicinal Plants Reported from the Special Crop Holdings during the past 12 months, by Kind of Spices/Medicinal Plants Planted, by Region/State, RoUM: 2010**

Region/State	Kind of Spices/Medicinal Plants Planted			
	Black pepper	Oil plants for essence	Other spices	Medicinal plants like Febrifuge, aniseed, senna, etc.
Union of Myanmar				
Number of the Parcels under Spices/Medicinal Plants	5	6	4	4
Area Planted to Spices/Medicinal Plants (acre)	207.00	2,146.00	287.79	391.00
Kachin				
Number of the Parcels under Spices/Medicinal Plants	*	-	-	-
Area Planted to Spices/Medicinal Plants (acre)	2.00	-	-	-
Sagaing				
Number of the Parcels under Spices/Medicinal Plants	-	4	4	-
Area Planted to Spices/Medicinal Plants (acre)	-	446.00	287.79	-
Magway				
Number of the Parcels under Spices/Medicinal Plants	*	-	-	-
Area Planted to Spices/Medicinal Plants (acre)	100.00	-	-	-
Mandalay				
Number of the Parcels under Spices/Medicinal Plants	-	-	-	*
Area Planted to Spices/Medicinal Plants (acre)	-	-	-	251.00
Yangon				
Number of the Parcels under Spices/Medicinal Plants	*	*	-	-
Area Planted to Spices/Medicinal Plants (acre)	5.00	1,700.00	-	-
Shan North				
Number of the Parcels under Spices/Medicinal Plants	*	-	-	*
Area Planted to Spices/Medicinal Plants (acre)	100.00	-	-	140.00

Source: MCA 2010 Supplementary Module, SLRD

**Table S-18. Number of Parcels under Spices/Aromatic Crops and Area Planted to Spices/Aromatic Crops Reported from the Special Crop Holdings during the past 12 months, by Kind of Spices/Aromatic Crops Planted, by Region/State, RoUM: 2010**

Region/State	Kind of Spices/Aromatic Crops Planted						
	Turmeric	Ginger	Onion	Garlic	Chillies	Other Spices/Aromatic Crops	Other Crops not Classified
Union of Myanmar							
Number of the Parcels under Spices/Aromatic Crops	*	*	30	10	23	6	11
Area Planted to Spices/Aromatic Crops (acre)	4.90	26.62	2,078.04	114.00	136.78	8.07	1,768.75
Kachin							
Number of the Parcels under Spices/Aromatic Crops	-	*	-	-	-	-	-
Area Planted to Spices/Aromatic Crops (acre)	-	1.00	-	-	-	-	-
Sagaing							
Number of the Parcels under Spices/Aromatic Crops	-	-	*	-	-	-	-
Area Planted to Spices/Aromatic Crops (acre)	-	-	13.00	-	-	-	-
Tanintharyi							
Number of the Parcels under Spices/Aromatic Crops	-	-	-	-	*	-	-
Area Planted to Spices/Aromatic Crops (acre)	-	-	-	-	0.10	-	-
Magway							
Number of the Parcels under Spices/Aromatic Crops	-	-	24	-	*	*	-
Area Planted to Spices/Aromatic Crops (acre)	-	-	1,871.04	-	11.00	3.00	-
Mandalay							
Number of the Parcels under Spices/Aromatic Crops	-	-	5	-	*	-	*
Area Planted to Spices/Aromatic Crops (acre)	-	-	194.00	-	3.00	-	1,750.00
Mon							
Number of the Parcels under Spices/Aromatic Crops	-	-	-	-	*	*	-
Area Planted to Spices/Aromatic Crops (acre)	-	-	-	-	6.91	0.07	-
Rakhine							
Number of the Parcels under Spices/Aromatic Crops	-	-	-	-	*	-	-
Area Planted to Spices/Aromatic Crops (acre)	-	-	-	-	10.00	-	-
Yangon							
Number of the Parcels under Spices/Aromatic Crops	*	-	-	-	12	*	5
Area Planted to Spices/Aromatic Crops (acre)	4.90	-	-	-	37.52	5.00	15.00
Shan South							
Number of the Parcels under Spices/Aromatic Crops	-	*	-	10	-	-	-
Area Planted to Spices/Aromatic Crops (acre)	-	25.62	-	114.00	-	-	-
Ayeyarwady							
Number of the Parcels under Spices/Aromatic Crops	-	-	-	-	*	-	4
Area Planted to Spices/Aromatic Crops (acre)	-	-	-	-	68.25	-	3.75

Source: MCA 2010 Supplementary Module, SLRD



Table S-19. Number of Parcels under Industrial Annual Crops and Fiber Crops and Area Planted to Industrial Annual Crops and Fiber Crops Reported from the Special Crop Holdings during the past 12 months, by Kind of Industrial Annual Crops and Fiber Crops Planted, by Region/State, RoUM: 2010

Region/State	Sugarcane	Kind of Fiber Crops Planted			
		Mahlaing Cotton	Long Staple Cotton	Kenaf	Other Fiber Crops
Union of Myanmar					
Number of the Parcels under Industrial Annual Crops and Fiber Crops	166	*	46	*	4
Area Planted to Industrial Annual Crops and Fiber Crops (acre)	80,295.16	40.00	10,392.89	50.13	16.00
Kachin					
Number of the Parcels under Industrial Annual Crops and Fiber Crops	9	-	-	-	-
Area Planted to Industrial Annual Crops and Fiber Crops (acre)	2,751.00	-	-	-	-
Kayin					
Number of the Parcels under Industrial Annual Crops and Fiber Crops	*	-	-	-	-
Area Planted to Industrial Annual Crops and Fiber Crops (acre)	292.00	-	-	-	-
Sagaing					
Number of the Parcels under Industrial Annual Crops and Fiber Crops	25	-	4	-	-
Area Planted to Industrial Annual Crops and Fiber Crops (acre)	55,366.00	-	166.89	-	-
Bago East					
Number of the Parcels under Industrial Annual Crops and Fiber Crops	36	-	-	-	-
Area Planted to Industrial Annual Crops and Fiber Crops (acre)	2,317.24	-	-	-	-
Bago West					
Number of the Parcels under Industrial Annual Crops and Fiber Crops	14	-	-	-	-
Area Planted to Industrial Annual Crops and Fiber Crops (acre)	2,016.00	-	-	-	-
Magway					
Number of the Parcels under Industrial Annual Crops and Fiber Crops	*	-	9	-	-
Area Planted to Industrial Annual Crops and Fiber Crops (acre)	217.50	-	4,505.00	-	-
Mandalay					
Number of the Parcels under Industrial Annual Crops and Fiber Crops	17	*	33	-	-
Area Planted to Industrial Annual Crops and Fiber Crops (acre)	6,783.36	40.00	5,721.00	-	-
Mon					
Number of the Parcels under Industrial Annual Crops and Fiber Crops	*	-	-	-	-
Area Planted to Industrial Annual Crops and Fiber Crops (acre)	1,000.00	-	-	-	-
Yangon					
Number of the Parcels under Industrial Annual Crops and Fiber Crops	5	-	-	-	-
Area Planted to Industrial Annual Crops and Fiber Crops (acre)	3,350.00	-	-	-	-
Shan South					
Number of the Parcels under Industrial Annual Crops and Fiber Crops	8	-	-	-	4
Area Planted to Industrial Annual Crops and Fiber Crops (acre)	156.00	-	-	-	16.00
Shan North					
Number of the Parcels under Industrial Annual Crops and Fiber Crops	46	-	-	-	-
Area Planted to Industrial Annual Crops and Fiber Crops (acre)	6,046.06	-	-	-	-
Ayeyarwady					
Number of the Parcels under Industrial Annual Crops and Fiber Crops	-	-	-	*	-
Area Planted to Industrial Annual Crops and Fiber Crops (acre)	-	-	-	50.13	-

Source: MCA 2010 Supplementary Module, SURD

Table S-21. Number of Parcels under Leafy/Stem Vegetables and Area Planted to Leafy/Stem Vegetables Reported from the Special Crop Holdings during the past 12 months, by Kind of Leafy/Stem Vegetables Planted, by Region/State, RoUM: 2010

Region/State	Kind of Leafy/Stem Vegetables Planted					
	Cabbage	Mustard	Cauliflower	Broccoli	Kailan	Other leafy/ stem vegetables
Union of Myanmar						
Number of the Parcels under Leafy/Stem Vegetables	5	135	40	-	81	253
Area Planted to Leafy/Stem Vegetables (acre)	149.88	401.62	212.75	-	366.48	719.46
Kachin						
Number of the Parcels under Leafy/Stem Vegetables	-	*	-	-	-	*
Area Planted to Leafy/Stem Vegetables (acre)	-	1.32	-	-	-	0.09
Kayin						
Number of the Parcels under Leafy/Stem Vegetables	-	-	-	-	-	*
Area Planted to Leafy/Stem Vegetables (acre)	-	-	-	-	-	10.00
Sagaing						
Number of the Parcels under Leafy/Stem Vegetables	*	-	-	-	-	*
Area Planted to Leafy/Stem Vegetables (acre)	122.00	-	-	-	-	5.00
Magway						
Number of the Parcels under Leafy/Stem Vegetables	-	-	-	-	-	*
Area Planted to Leafy/Stem Vegetables (acre)	-	-	-	-	-	1.40
Mon						
Number of the Parcels under Leafy/Stem Vegetables	-	*	-	-	*	13
Area Planted to Leafy/Stem Vegetables (acre)	-	1.48	-	-	2.00	18.65
Rakhine						
Number of the Parcels under Leafy/Stem Vegetables	*	-	-	-	-	-
Area Planted to Leafy/Stem Vegetables (acre)	0.80	-	-	-	-	-
Yangon						
Number of the Parcels under Leafy/Stem Vegetables	*	127	37	-	79	223
Area Planted to Leafy/Stem Vegetables (acre)	3.00	397.82	211.10	-	364.48	660.27
Shan South						
Number of the Parcels under Leafy/Stem Vegetables	*	*	-	-	-	-
Area Planted to Leafy/Stem Vegetables (acre)	24.08	1.00	-	-	-	-
Shan East						
Number of the Parcels under Leafy/Stem Vegetables	-	-	-	-	-	*
Area Planted to Leafy/Stem Vegetables (acre)	-	-	-	-	-	8.00
Ayeyarwady						
Number of the Parcels under Leafy/Stem Vegetables	-	-	*	-	-	11
Area Planted to Leafy/Stem Vegetables (acre)	-	-	1.65	-	-	16.05

Source: MCA 2010 Supplementary Module, SURD



**Table S-22. Number of Parcels under Fruit-bearing Vegetables and Area Planted to Fruit-bearing Vegetables Reported from the Special Crop Holdings during the past 12 months, by Kind of Fruit-bearing Vegetables Planted, by Region/State, RoUM: 2010**

Region/State	Kind of Fruit-bearing Vegetables Planted			
	Cucumber	Tomato	Watermelon	Other fruit-bearing vegetables
Union of Myanmar				
Number of the Parcels under Fruit-bearing Vegetables	209	12	12	423
Area Planted to Fruit-bearing Vegetables (acre)	901.04	104.78	69.30	1,325.06
Kachin				
Number of the Parcels under Fruit-bearing Vegetables	-	-	*	*
Area Planted to Fruit-bearing Vegetables (acre)	-	-	10.00	0.10
Bago West				
Number of the Parcels under Fruit-bearing Vegetables	-	-	-	*
Area Planted to Fruit-bearing Vegetables (acre)	-	-	-	4.00
Magway				
Number of the Parcels under Fruit-bearing Vegetables	-	*	-	-
Area Planted to Fruit-bearing Vegetables (acre)	-	1.00	-	-
Mandalay				
Number of the Parcels under Fruit-bearing Vegetables	-	*	-	*
Area Planted to Fruit-bearing Vegetables (acre)	-	70.50	-	45.00
Mon				
Number of the Parcels under Fruit-bearing Vegetables	*	*	-	18
Area Planted to Fruit-bearing Vegetables (acre)	1.00	0.04	-	17.57
Yangon				
Number of the Parcels under Fruit-bearing Vegetables	206	7	11	392
Area Planted to Fruit-bearing Vegetables (acre)	899.44	33.24	59.30	1,166.89
Shan South				
Number of the Parcels under Fruit-bearing Vegetables	-	-	-	*
Area Planted to Fruit-bearing Vegetables (acre)	-	-	-	90.00
Ayeyarwady				
Number of the Parcels under Fruit-bearing Vegetables	*	-	-	6
Area Planted to Fruit-bearing Vegetables (acre)	0.60	-	-	1.50

Source: MCA 2010 Supplementary Module, SLRD

**Table A-23. Number of Parcels under Root/Bulb/Tuberous Vegetables and Area Planted to Root/Bulb/Tuberous Vegetables Reported from the Special Crop Holdings during the past 12 months, by Kind of Root/Bulb/Tuberous Vegetables Planted, by Region/State, RoUM: 2010**

Region/State	Kind of Root/Bulb/Tuberous Vegetables Planted		
	Carrot	Radish	Other Root/Bulb/Tuberous Vegetables
Union of Myanmar			
Number of the Parcels under Root/Bulb/Tuberous Vegetables	63	38	13
Area Planted to Root/Bulb/Tuberous Vegetables (acre)	137.45	86.39	54.70
Tanintharyi			
Number of the Parcels under Root/Bulb/Tuberous Vegetables	-	-	*
Area Planted to Root/Bulb/Tuberous Vegetables (acre)	-	-	0.20
Mon			
Number of the Parcels under Root/Bulb/Tuberous Vegetables	*	*	-
Area Planted to Root/Bulb/Tuberous Vegetables (acre)	0.45	0.04	-
Yangon			
Number of the Parcels under Root/Bulb/Tuberous Vegetables	58	37	12
Area Planted to Root/Bulb/Tuberous Vegetables (acre)	135.40	86.35	54.50
Ayeyarwady			
Number of the Parcels under Root/Bulb/Tuberous Vegetables	4	-	-
Area Planted to Root/Bulb/Tuberous Vegetables (acre)	1.60	-	-

Source: MCA 2010 Supplementary Module, SLRD

**Table S-24. Number and Physical Area of Parcels under Permanent Crops, Area of Compact Plantation and Number of Scattered Productive Trees in all Parcels Reported from the Special Crop Holdings, by Region/State, RoUM: 2010**

Region/State	Parcels under Permanent Crops			Number of Scattered Productive Trees in all Parcels Reported
	Number	Physical Area (acre)	Area of Compact Plantation (acre)	
Union of Myanmar	3,743	792,643.04	617,367.59	292,426
Kachin	358	186,949.91	95,788.26	69,202
Kayah	158	6,524.00	6,520.00	-
Kayin	73	18,861.57	18,536.57	-
Sagaing	403	19,241.22	16,409.86	18,243
Tanintharyi	46	162,644.88	176,184.02	6,668
Bago East	109	36,002.75	32,257.06	13,500
Bago West	25	7,334.87	7,162.68	-
Magway	421	61,965.80	33,725.19	1,914
Mandalay	243	34,557.28	14,227.59	3,146
Mon	193	48,832.40	47,987.73	17,921
Rakhine	236	10,919.93	10,531.43	74,091
Yangon	947	79,216.14	66,916.04	44,815
Shan South	62	12,283.02	12,283.02	-
Shan North	250	52,448.62	52,648.68	40
Shan East	34	2,826.00	2,828.00	-
Ayeyarwady	185	52,034.65	23,361.46	42,886

Source: MCA 2010 Supplementary Module, SLRD

Table S-25. Number of Parcels under Permanent Crops and Area of Compact Plantation Reported from the Special Crop Holdings during the past 12 months, by Size of the Area of Compact Plantation, by Region/State, RoUM: 2010

Region/State	Size of the Area of Compact Plantation							TOTAL
	Under 1 acre	1 acre and under 3 acres	3 acres and under 5 acres	5 acres and under 10 acres	10 acres and under 20 acres	20 acres and under 50 acres	50 acres and over	
Union of Myanmar								
Number of the Parcels under Permanent Crops	148	577	278	440	555	862	1,703	3,743
Area Planted to Compact Plantation (acre)	64.07	879.93	977.53	2,743.07	6,997.48	26,318.14	579,387.37	617,367.59
Kachin								
Number of the Parcels under Permanent Crops	*	47	19	49	64	130	219	358
Area Planted to Compact Plantation (acre)	1.00	76.13	65.16	294.90	731.55	3,945.50	90,674.02	95,788.26
Kayah								
Number of the Parcels under Permanent Crops	-	-	8	14	38	54	46	158
Area Planted to Compact Plantation (acre)	-	-	28.00	94.00	502.80	1,639.20	4,256.00	6,520.00
Kayin								
Number of the Parcels under Permanent Crops	-	*	*	11	8	8	41	73
Area Planted to Compact Plantation (acre)	-	2.50	12.92	69.15	108.10	290.00	18,053.90	18,536.57
Sagaing								
Number of the Parcels under Permanent Crops	33	141	31	47	53	34	66	403
Area Planted to Compact Plantation (acre)	16.25	193.16	104.81	307.76	667.63	1,076.25	14,044.00	16,409.86
Tanintharyi								
Number of the Parcels under Permanent Crops	*	*	-	*	-	*	48	46
Area Planted to Compact Plantation (acre)	0.40	3.00	-	11.00	-	23.00	176,146.62	176,184.02
Bago East								
Number of the Parcels under Permanent Crops	-	*	*	4	9	25	68	109
Area Planted to Compact Plantation (acre)	-	4.00	11.00	23.47	111.85	794.06	31,312.68	32,257.06
Bago West								
Number of the Parcels under Permanent Crops	-	*	-	-	*	6	19	25
Area Planted to Compact Plantation (acre)	-	2.10	-	-	38.00	222.89	6,899.69	7,162.68
Magway								
Number of the Parcels under Permanent Crops	5	41	*	15	22	111	209	421
Area Planted to Compact Plantation (acre)	3.42	59.43	9.88	98.15	294.13	3,728.77	29,531.41	33,725.19
Mandalay								
Number of the Parcels under Permanent Crops	19	45	38	38	39	28	76	243
Area Planted to Compact Plantation (acre)	10.29	77.04	142.73	248.08	498.09	863.50	12,387.86	14,227.59
Mon								
Number of the Parcels under Permanent Crops	12	42	10	25	24	47	159	193
Area Planted to Compact Plantation (acre)	5.36	60.78	34.70	144.35	305.14	1,417.29	46,020.11	47,987.73
Rakhine								
Number of the Parcels under Permanent Crops	*	59	20	40	55	49	46	236
Area Planted to Compact Plantation (acre)	0.28	97.25	63.00	225.50	678.50	1,457.58	8,009.32	10,531.43
Yangon								
Number of the Parcels under Permanent Crops	44	97	72	123	169	248	317	947
Area Planted to Compact Plantation (acre)	14.24	149.57	258.42	764.81	2,189.77	7,270.96	56,268.27	66,916.04
Shan South								
Number of the Parcels under Permanent Crops	4	16	24	24	18	18	60	62
Area Planted to Compact Plantation (acre)	2.00	31.90	84.52	170.90	239.00	528.20	11,226.50	12,283.02
Shan North								
Number of the Parcels under Permanent Crops	10	28	34	30	32	48	200	250
Area Planted to Compact Plantation (acre)	3.40	36.52	116.00	181.00	380.52	1,421.70	50,509.54	52,648.68
Shan East								
Number of the Parcels under Permanent Crops	*	16	-	*	6	4	20	34
Area Planted to Compact Plantation (acre)	1.00	27.00	-	12.00	70.00	162.00	2,556.00	2,828.00
Ayeyarwady								
Number of the Parcels under Permanent Crops	14	38	13	16	15	51	109	185
Area Planted to Compact Plantation (acre)	6.43	59.55	46.39	98.00	182.40	1,477.24	21,491.45	23,361.46

Source: MCA 2010 Supplementary Module, SLRD

**Table S-26. Number of Parcels under Citrus Fruit Trees and Area of Compact Plantation Reported from the Special Crop Holdings during the past 12 months, by Kind of Citrus Fruit Trees, by Region/State, RoUM: 2010**

Region/State	Kind of Citrus Fruit Trees				
	Orange	Shaddock	Lemon	Lime	Other citrus fruit trees
Union of Myanmar					
Number of the Parcels under Citrus Fruit Trees	54	27	9	31	9
Area of Compact Plantation (acre)	3,661.50	423.44	52.60	222.68	158.75
Kachin					
Number of the Parcels under Citrus Fruit Trees	21	-	4	8	*
Area of Compact Plantation (acre)	1,220.50	-	37.00	39.16	60.00
Bago East					
Number of the Parcels under Citrus Fruit Trees	-	-	-	*	*
Area of Compact Plantation (acre)	-	-	-	61.00	4.00
Magway					
Number of the Parcels under Citrus Fruit Trees	*	*	*	*	-
Area of Compact Plantation (acre)	16.00	13.00	12.00	29.00	-
Mandalay					
Number of the Parcels under Citrus Fruit Trees	5	*	-	*	4
Area of Compact Plantation (acre)	173.00	134.00	-	4.71	83.31
Mon					
Number of the Parcels under Citrus Fruit Trees	-	4	*	4	-
Area of Compact Plantation (acre)	-	29.21	3.50	13.00	-
Yangon					
Number of the Parcels under Citrus Fruit Trees	-	13	*	6	*
Area of Compact Plantation (acre)	-	191.93	0.10	23.01	11.44
Shan South					
Number of the Parcels under Citrus Fruit Trees	6	*	-	6	-
Area of Compact Plantation (acre)	372.00	32.00	-	50.80	-
Shan North					
Number of the Parcels under Citrus Fruit Trees	20	*	-	*	-
Area of Compact Plantation (acre)	1,880.00	20.00	-	2.00	-
Shan East					
Number of the Parcels under Citrus Fruit Trees	-	*	-	-	-
Area of Compact Plantation (acre)	-	3.00	-	-	-
Ayeyarwady					
Number of the Parcels under Citrus Fruit Trees	-	*	-	-	-
Area of Compact Plantation (acre)	-	0.30	-	-	-

Source: MCA 2010 Supplementary Module, SLRD

**Table S-27. Number of Parcels under Pome Fruit Trees and Area of Compact Plantation Reported from the Special Crop Holdings during the past 12 months, by Kind of Pome Fruit Trees, by Region/State, RoUM: 2010**

Region/State	Kind of Pome Fruit Trees	
	Apple	Other pome fruit trees
Union of Myanmar		
Number of the Parcels under Pome Fruit Trees	*	5
Area of Compact Plantation (acre)	8.00	62.00
Kachin		
Number of the Parcels under Pome Fruit Trees	-	*
Area of Compact Plantation (acre)	-	40.00
Yangon		
Number of the Parcels under Pome Fruit Trees	-	*
Area of Compact Plantation (acre)	-	1.00
Shan South		
Number of the Parcels under Pome Fruit Trees	*	-
Area of Compact Plantation (acre)	8.00	-
Shan North		
Number of the Parcels under Pome Fruit Trees	-	*
Area of Compact Plantation (acre)	-	20.00
Ayeyarwady		
Number of the Parcels under Pome Fruit Trees	-	*
Area of Compact Plantation (acre)	-	1.00

Source: MCA 2010 Supplementary Module, SLRD

**Table S-28. Number of Parcels under Stone Fruit Trees and Area of Compact Plantation Reported from the Special Crop Holdings during the past 12 months, by Kind of Stone Fruit Trees, by Region/State, RoUM: 2010**

Region/State	Kind of Stone Fruit Trees					
	Peaches	Plum	Marian	Tamarind	Other stone fruit trees	Grapes
Union of Myanmar						
Number of the Parcels under Stone Fruit Trees	*	39	*	10	6	5
Area of Compact Plantation (acre)	402.00	3,008.01	61.90	336.82	3,615.33	450.35
Kachin						
Number of the Parcels under Stone Fruit Trees	-	*	-	-	-	-
Area of Compact Plantation (acre)	-	24.00	-	-	-	-
Sagaing						
Number of the Parcels under Stone Fruit Trees	-	*	-	-	-	-
Area of Compact Plantation (acre)	-	100.00	-	-	-	-
Bago West						
Number of the Parcels under Stone Fruit Trees	-	5	-	-	-	-
Area of Compact Plantation (acre)	-	506.28	-	-	-	-
Magway						
Number of the Parcels under Stone Fruit Trees	-	4	-	-	-	-
Area of Compact Plantation (acre)	-	449.44	-	-	-	-
Mandalay						
Number of the Parcels under Stone Fruit Trees	*	25	-	*	*	*
Area of Compact Plantation (acre)	400.00	1,796.29	-	277.77	3.33	10.35
Mon						
Number of the Parcels under Stone Fruit Trees	-	-	*	*	-	-
Area of Compact Plantation (acre)	-	-	0.90	2.00	-	-
Yangon						
Number of the Parcels under Stone Fruit Trees	-	*	*	*	-	-
Area of Compact Plantation (acre)	-	10.00	1.00	1.05	-	-
Shan South						
Number of the Parcels under Stone Fruit Trees	-	-	-	-	-	4
Area of Compact Plantation (acre)	-	-	-	-	-	440.00
Shan North						
Number of the Parcels under Stone Fruit Trees	-	-	-	*	4	-
Area of Compact Plantation (acre)	-	-	-	8.00	3,612.00	-
Shan East						
Number of the Parcels under Stone Fruit Trees	*	-	-	-	-	-
Area of Compact Plantation (acre)	2.00	-	-	-	-	-
Ayeyarwady						
Number of the Parcels under Stone Fruit Trees	-	*	*	*	-	-
Area of Compact Plantation (acre)	-	122.00	60.00	48.00	-	-

Source: MCA 2010 Supplementary Module, SLRD



Table S-29. Number of Parcels under Other Cultivated Fruit Trees and Area of Compact Plantation Reported from the Special Crop Holdings during the past 12 months, by Kind of Other Cultivated Fruit Trees, by Region/State, RoUM: 2010

Region/State	Kind of Other Cultivated Fruits										
	Banana	Custard Apple	Guava	Mango	Papaya	Pineapple	Jackfruit	Lychee	Durian	Rambutan	Avocado
Union of Myanmar											
Number of the Parcels under Other Cultivated Fruit Trees	100	*	44	366	11	30	46	20	14	23	7
Area of Compact Plantation (acre)	5,899.39	64.69	598.99	18,001.80	1,222.47	250.50	833.92	1,361.00	224.11	598.34	21.00
Kachin											
Number of the Parcels under Other Cultivated Fruit Trees	25	-	-	12	-	5	*	*	-	4	-
Area of Compact Plantation (acre)	5,272.00	-	-	136.50	-	14.00	4.00	26.00	-	85.00	-
Kayah											
Number of the Parcels under Other Cultivated Fruit Trees	-	-	-	6	-	-	-	-	-	-	-
Area of Compact Plantation (acre)	-	-	-	148.00	-	-	-	-	-	-	-
Kayin											
Number of the Parcels under Other Cultivated Fruit Trees	-	-	-	*	-	-	-	-	-	*	-
Area of Compact Plantation (acre)	-	-	-	6.60	-	-	-	-	-	190.00	-
Sagaing											
Number of the Parcels under Other Cultivated Fruit Trees	*	-	-	*	-	-	-	-	-	-	-
Area of Compact Plantation (acre)	20.00	-	-	12.00	-	-	-	-	-	-	-
Tanintharyi											
Number of the Parcels under Other Cultivated Fruit Trees	-	-	-	*	-	-	-	-	*	-	-
Area of Compact Plantation (acre)	-	-	-	0.40	-	-	-	-	1.00	1.00	-
Bago West											
Number of the Parcels under Other Cultivated Fruit Trees	-	*	*	*	-	-	-	-	-	-	-
Area of Compact Plantation (acre)	-	62.69	10.00	3,888.00	-	-	-	-	-	-	-
Magway											
Number of the Parcels under Other Cultivated Fruit Trees	-	-	-	*	-	-	-	-	-	*	-
Area of Compact Plantation (acre)	-	-	-	92.00	-	-	-	-	-	1.00	-
Mandalay											
Number of the Parcels under Other Cultivated Fruit Trees	8	-	4	132	-	-	*	*	-	*	-
Area of Compact Plantation (acre)	117.87	-	161.80	2,778.55	-	-	3.01	534.00	-	5.00	-
Mon											
Number of the Parcels under Other Cultivated Fruit Trees	*	-	4	10	*	6	6	-	5	10	*
Area of Compact Plantation (acre)	2.70	-	12.00	56.16	1.50	21.15	15.05	-	103.48	271.34	-
Rakhine											
Number of the Parcels under Other Cultivated Fruit Trees	4	-	-	*	*	-	-	-	-	-	-
Area of Compact Plantation (acre)	46.00	-	-	2.00	2.00	-	-	-	-	-	-
Yangon											
Number of the Parcels under Other Cultivated Fruit Trees	30	*	27	118	*	10	14	-	8	5	-
Area of Compact Plantation (acre)	134.26	2.00	207.19	3,805.29	0.97	179.35	99.66	-	119.63	16.00	-
Shan South											
Number of the Parcels under Other Cultivated Fruit Trees	8	-	*	28	-	-	4	4	-	-	4
Area of Compact Plantation (acre)	162.00	-	2.00	4,950.00	-	-	7.00	506.00	-	-	16.00
Shan North											
Number of the Parcels under Other Cultivated Fruit Trees	10	-	*	38	4	4	14	12	-	-	-
Area of Compact Plantation (acre)	66.00	-	200.00	1,683.00	1,215.00	24.00	471.00	295.00	-	-	-
Shan East											
Number of the Parcels under Other Cultivated Fruit Trees	-	-	-	*	-	-	*	-	-	*	-
Area of Compact Plantation (acre)	-	-	-	4.00	-	-	4.00	-	-	4.00	-
Ayeyarwady											
Number of the Parcels under Other Cultivated Fruit Trees	12	-	4	13	*	5	*	-	-	-	-
Area of Compact Plantation (acre)	78.56	-	6.00	439.30	3.00	12.00	230.00	-	-	-	-

Source: MCA 2010 Supplementary Module, SLRD

**Table S-30. Number of Parcels under Edible Nut Trees and Oil Crops and Area of Compact Plantation Reported from the Special Crop Holdings during the past 12 months, by Kind of Edible Nut Trees and Oil Crops, by Region/State, RoUM: 2010**

Region/State	Kind of Edible Nut Trees				Kind of Oil Crops			
	Cashew	Chest nut	Walnut	Macadamia	Other edible nut trees	Coconut	Palm	Other oil crops
Union of Myanmar								
Number of the Parcels under Edible Nut Trees and Oil Crops	227	*	4	36	8	27	55	314
Area of Compact Plantation (acre)	25,471.84	1.00	112.00	4,919.00	170.50	487.73	176,630.94	12,000.23
Kachin								
Number of the Parcels under Edible Nut Trees and Oil Crops	*	-	4	*	4	-	*	14
Area of Compact Plantation (acre)	10.00	-	112.00	103.00	114.00	-	76.00	671.27
Kayah								
Number of the Parcels under Edible Nut Trees and Oil Crops	*	-	-	-	-	-	-	*
Area of Compact Plantation (acre)	105.60	-	-	-	-	-	-	50.00
Sagaing								
Number of the Parcels under Edible Nut Trees and Oil Crops	*	-	-	-	*	-	-	201
Area of Compact Plantation (acre)	15.00	-	-	-	1.20	-	-	1,951.82
Tanintharyi								
Number of the Parcels under Edible Nut Trees and Oil Crops	*	-	-	-	-	-	41	*
Area of Compact Plantation (acre)	6.00	-	-	-	-	-	174,603.07	55.00
Bago East								
Number of the Parcels under Edible Nut Trees and Oil Crops	21	-	-	-	-	-	-	*
Area of Compact Plantation (acre)	5,586.17	-	-	-	-	-	-	23.00
Bago West								
Number of the Parcels under Edible Nut Trees and Oil Crops	5	-	-	-	-	-	-	8
Area of Compact Plantation (acre)	279.92	-	-	-	-	-	-	1,739.10
Magway								
Number of the Parcels under Edible Nut Trees and Oil Crops	*	*	-	-	-	*	-	6
Area of Compact Plantation (acre)	4.00	1.00	-	-	-	1.00	-	648.00
Mandalay								
Number of the Parcels under Edible Nut Trees and Oil Crops	*	-	-	-	-	*	-	*
Area of Compact Plantation (acre)	6.00	-	-	-	-	5.00	-	300.00
Mon								
Number of the Parcels under Edible Nut Trees and Oil Crops	28	-	-	-	*	4	7	17
Area of Compact Plantation (acre)	5,869.00	-	-	-	51.80	111.70	1,736.60	280.20
Rakhine								
Number of the Parcels under Edible Nut Trees and Oil Crops	15	-	-	-	-	6	*	37
Area of Compact Plantation (acre)	1,636.00	-	-	-	-	107.53	5.00	1,127.00
Yangon								
Number of the Parcels under Edible Nut Trees and Oil Crops	88	-	-	-	*	10	4	12
Area of Compact Plantation (acre)	8,257.75	-	-	-	3.50	71.00	210.27	4,202.35
Shan South								
Number of the Parcels under Edible Nut Trees and Oil Crops	-	-	-	10	-	-	-	-
Area of Compact Plantation (acre)	-	-	-	1,125.40	-	-	-	-
Shan North								
Number of the Parcels under Edible Nut Trees and Oil Crops	-	-	-	24	-	*	-	4
Area of Compact Plantation (acre)	-	-	-	3,690.60	-	200.00	-	100.00
Shan East								
Number of the Parcels under Edible Nut Trees and Oil Crops	-	-	-	-	-	*	-	-
Area of Compact Plantation (acre)	-	-	-	-	-	1.00	-	-
Ayeyarwady								
Number of the Parcels under Edible Nut Trees and Oil Crops	61	-	-	-	-	*	-	9
Area of Compact Plantation (acre)	3,696.40	-	-	-	-	0.50	-	852.49

Source: MCA 2010 Supplementary Module, SLRD

Table S-31. Number of Parcels under Industrial Permanent Crops and Industrialized Crops and Area of Compact Plantation Reported from the Special Crop Holdings during the past 12 months, by Kind of Industrial Permanent Crops and Industrialized Crops, by Region/State, RoUM: 2010

Region/State	Kind of Industrial Permanent Crops				Kind of Industrialized Crops		
	Tea	Coffee	Cocoa	Other industrial permanent crops	Rubber (local)	Rubber (HYV)	Other industrialized crops
Union of Myanmar							
Number of the Parcels under Industrial Permanent Crops and Industrialized Crops	39	90	36	30	667	656	944
Area of Compact Plantation (acre)	4,055	9,179	3,417	1,017	91,804	107,930	67,085
Kachin							
Number of the Parcels under Industrial Permanent Crops and Industrialized Crops	6	5	*	-	105	94	41
Area of Compact Plantation (acre)	556	590	10	-	11,324	27,500	4,225
Kayah							
Number of the Parcels under Industrial Permanent Crops and Industrialized Crops	-	-	-	-	-	*	152
Area of Compact Plantation (acre)	-	-	-	-	-	60	6,312
Kayin							
Number of the Parcels under Industrial Permanent Crops and Industrialized Crops	*	*	*	5	42	7	7
Area of Compact Plantation (acre)	501	150	155	93	15,589	146	551
Sagaing							
Number of the Parcels under Industrial Permanent Crops and Industrialized Crops	-	-	20	6	*	7	137
Area of Compact Plantation (acre)	-	-	2,286	6	154	409	9,504
Tanintharyi							
Number of the Parcels under Industrial Permanent Crops and Industrialized Crops	-	-	-	*	-	5	-
Area of Compact Plantation (acre)	-	-	-	95	-	1,347	-
Bago East							
Number of the Parcels under Industrial Permanent Crops and Industrialized Crops	-	-	-	-	59	4	12
Area of Compact Plantation (acre)	-	-	-	-	15,833	7,512	1,144
Bago West							
Number of the Parcels under Industrial Permanent Crops and Industrialized Crops	-	-	-	-	-	-	5
Area of Compact Plantation (acre)	-	-	-	-	-	-	624
Magway							
Number of the Parcels under Industrial Permanent Crops and Industrialized Crops	4	*	*	*	-	-	358
Area of Compact Plantation (acre)	1,018	49	249	12	-	-	30,062
Mandalay							
Number of the Parcels under Industrial Permanent Crops and Industrialized Crops	*	17	-	7	*	-	27
Area of Compact Plantation (acre)	175	1,569	-	418	90	-	2,716
Mon							
Number of the Parcels under Industrial Permanent Crops and Industrialized Crops	-	-	5	-	96	51	14
Area of Compact Plantation (acre)	-	-	693	-	20,950	10,497	494
Rakhine							
Number of the Parcels under Industrial Permanent Crops and Industrialized Crops	-	-	-	-	76	38	85
Area of Compact Plantation (acre)	-	-	-	-	5,248	358	1,937
Yangon							
Number of the Parcels under Industrial Permanent Crops and Industrialized Crops	*	-	4	9	250	290	4
Area of Compact Plantation (acre)	25	-	22	264	16,615	26,647	336
Shan South							
Number of the Parcels under Industrial Permanent Crops and Industrialized Crops	6	22	-	-	*	12	34
Area of Compact Plantation (acre)	46	569	-	-	300	383	2,692
Shan North							
Number of the Parcels under Industrial Permanent Crops and Industrialized Crops	20	42	-	-	10	90	28
Area of Compact Plantation (acre)	1,732	6,222	-	-	4,411	22,911	1,825
Shan East							
Number of the Parcels under Industrial Permanent Crops and Industrialized Crops	-	-	-	-	16	*	16
Area of Compact Plantation (acre)	-	-	-	-	616	2	2,184
Ayeyarwady							
Number of the Parcels under Industrial Permanent Crops and Industrialized Crops	-	*	*	*	6	54	26
Area of Compact Plantation (acre)	-	10	3	130	673	10,159	2,482

Source: MCA 2010 Supplementary Module, SLRD

Table S-32. Number of Parcels under Other Domestic Plants and Area of Compact Plantation Reported from the Special Crop Holdings during the past 12 months, by Kind of Other Domestic Plants, by Region/State, RoUM: 2010

Region/State	Kind of Other Domestic Plants				
	Dhani	Thabau	Thin	Spear grass	Fodder
Union of Myanmar					
Number of the Parcels under Other Domestic Plants	*	-	*	5	4
Area of Compact Plantation (acre)	2.00	-	3.25	389.00	396.00
Kachin					
Number of the Parcels under Other Domestic Plants	-	-	-	*	-
Area of Compact Plantation (acre)	-	-	-	251.00	-
Sagaing					
Number of the Parcels under Other Domestic Plants	-	-	*	*	-
Area of Compact Plantation (acre)	-	-	3.25	14.00	-
Mandalay					
Number of the Parcels under Other Domestic Plants	-	-	-	-	4
Area of Compact Plantation (acre)	-	-	-	-	396.00
Rakhine					
Number of the Parcels under Other Domestic Plants	-	-	-	*	-
Area of Compact Plantation (acre)	-	-	-	49.00	-
Yangon					
Number of the Parcels under Other Domestic Plants	*	-	-	-	-
Area of Compact Plantation (acre)	2.00	-	-	-	-
Ayeyarwady					
Number of the Parcels under Other Domestic Plants	-	-	-	*	-
Area of Compact Plantation (acre)	-	-	-	75.00	-

Source: MCA 2010 Supplementary Module, SLRD

**Table S-33. Number of Parcels under Other Permanent Crops and Area of Compact Plantation Reported from the Special Crop Holdings during the past 12 months, by Kind of Other Permanent Crops, by Region/State, RoUM: 2010**

Region/State	Kind of Other Permanent Crops					
	Betel nut	Betel leaf	Toddy palm	Danyin	Thanatphet	Other permanent crops
Union of Myanmar						
Number of the Parcels under Other Permanent Crops	21	4	*	58	4	48
Area of Compact Plantation (acre)	150.77	7.30	45.85	1,151.61	11.50	4,078.05
Kachin						
Number of the Parcels under Other Permanent Crops	*	-	-	36	-	10
Area of Compact Plantation (acre)	10.50	-	-	695.00	-	242.18
Sagaing						
Number of the Parcels under Other Permanent Crops	-	*	-	*	-	17
Area of Compact Plantation (acre)	-	1.00	-	7.00	-	1,908.67
Tanintharyi						
Number of the Parcels under Other Permanent Crops	*	-	-	-	-	*
Area of Compact Plantation (acre)	1.00	-	-	-	-	74.55
Magway						
Number of the Parcels under Other Permanent Crops	-	-	*	-	-	-
Area of Compact Plantation (acre)	-	-	45.00	-	-	-
Mandalay						
Number of the Parcels under Other Permanent Crops	*	-	*	-	-	7
Area of Compact Plantation (acre)	3.20	-	0.75	-	-	1,761.00
Mon						
Number of the Parcels under Other Permanent Crops	7	*	-	4	-	*
Area of Compact Plantation (acre)	60.50	3.00	-	3.60	-	1.30
Rakhine						
Number of the Parcels under Other Permanent Crops	*	-	-	-	-	-
Area of Compact Plantation (acre)	7.50	-	-	-	-	-
Yangon						
Number of the Parcels under Other Permanent Crops	6	*	*	*	*	10
Area of Compact Plantation (acre)	68.07	3.00	0.10	0.01	7.00	80.35
Shan South						
Number of the Parcels under Other Permanent Crops	-	-	-	8	*	-
Area of Compact Plantation (acre)	-	-	-	398.00	4.50	-
Shan North						
Number of the Parcels under Other Permanent Crops	-	-	-	6	-	*
Area of Compact Plantation (acre)	-	-	-	44.00	-	10.00
Shan East						
Number of the Parcels under Other Permanent Crops	-	-	-	*	-	-
Area of Compact Plantation (acre)	-	-	-	4.00	-	-
Ayeyarwady						
Number of the Parcels under Other Permanent Crops	-	*	-	-	-	-
Area of Compact Plantation (acre)	-	0.30	-	-	-	-

Source: MCA 2010 Supplementary Module, SLRD

**Table S-34. Number of Parcels under Permanent Flower Crops and Area of Compact Plantation Reported from the Special Crop Holdings during the past 12 months, by Kind of Permanent Flower Crops, by Region/State, RoUM: 2010**

Region/State	Kind of Permanent Flower Crops		
	Roses	Jasmine	Other permanent flower crops
Union of Myanmar			
Number of the Parcels under Permanent Flower Crops	13	*	12
Area of Compact Plantation (acre)	248.40	6.75	197.66
Mandalay			
Number of the Parcels under Permanent Flower Crops	*	-	6
Area of Compact Plantation (acre)	20.00	-	164.41
Yangon			
Number of the Parcels under Permanent Flower Crops	9	*	6
Area of Compact Plantation (acre)	28.40	6.75	33.25
Shan North			
Number of the Parcels under Permanent Flower Crops	*	-	-
Area of Compact Plantation (acre)	200.00	-	-

Source: MCA 2010 Supplementary Module, SLRD



**Table S-35. Number of Parcels under Forest Trees and Area of Compact Plantation Reported from the Special Crop Holdings during the past 12 months, by Kind of Forest Trees, by Region/State, RoUM: 2010**

Region/State	Kind of Forest Trees			
	Bamboo	Fuel wood trees	Teak trees	Other forest trees
Union of Myanmar				
Number of the Parcels under Forest Trees	38	95	92	100
Area of Compact Plantation (acre)	4,208.63	2,314.45	15,138.16	41,573.98
Kachin				
Number of the Parcels under Forest Trees	7	-	50	51
Area of Compact Plantation (acre)	508.00	-	8,256.95	33,530.68
Sagaing				
Number of the Parcels under Forest Trees	-	-	*	*
Area of Compact Plantation (acre)	-	-	1.00	17.00
Bago East				
Number of the Parcels under Forest Trees	-	-	12	-
Area of Compact Plantation (acre)	-	-	2,093.56	-
Bago West				
Number of the Parcels under Forest Trees	-	-	-	*
Area of Compact Plantation (acre)	-	-	-	53.00
Magway				
Number of the Parcels under Forest Trees	-	*	*	6
Area of Compact Plantation (acre)	-	410.00	12.00	544.00
Mandalay				
Number of the Parcels under Forest Trees	-	-	-	6
Area of Compact Plantation (acre)	-	-	-	96.98
Mon				
Number of the Parcels under Forest Trees	*	*	*	4
Area of Compact Plantation (acre)	29.00	24.17	2.75	6,500.00
Rakhine				
Number of the Parcels under Forest Trees	*	-	*	*
Area of Compact Plantation (acre)	1.00	-	1.00	5.00
Yangon				
Number of the Parcels under Forest Trees	6	62	14	7
Area of Compact Plantation (acre)	63.50	1,203.18	3,848.90	44.00
Shan South				
Number of the Parcels under Forest Trees	-	-	-	*
Area of Compact Plantation (acre)	-	-	-	200.00
Shan North				
Number of the Parcels under Forest Trees	4	6	6	16
Area of Compact Plantation (acre)	400.00	242.40	606.00	256.62
Shan East				
Number of the Parcels under Forest Trees	-	-	*	-
Area of Compact Plantation (acre)	-	-	4.00	-
Ayeyarwady				
Number of the Parcels under Forest Trees	18	24	*	4
Area of Compact Plantation (acre)	3,207.13	434.70	312.00	326.70

Source: MCA 2010 Supplementary Module, SLRD

**Table S-36a. Number of Parcels with Scattered Productive Citrus Fruit Trees and Number of Scattered Productive Citrus Fruit Trees Reported from the Special Crop Holdings during the past 12 months, by Kind of Citrus Fruit Trees, by Region/State, RoUM: 2010**

Region/State	Kind of Citrus Fruit Trees				
	Orange	Shaddock	Lemon	Lime	Other citrus fruits
Union of Myanmar					
Number of the Parcels with Scattered Productive Citrus Fruit Trees	8	17	13	40	5
Number of Scattered Productive Citrus Fruit Trees	599	858	1,025	4,886	122
Kachin					
Number of the Parcels with Scattered Productive Citrus Fruit Trees	*	-	*	*	-
Number of Scattered Productive Citrus Fruit Trees	17	-	60	15	-
Mandalay					
Number of the Parcels with Scattered Productive Citrus Fruit Trees	-	-	-	4	-
Number of Scattered Productive Citrus Fruit Trees	-	-	-	2,050	-
Mon					
Number of the Parcels with Scattered Productive Citrus Fruit Trees	-	*	7	10	*
Number of Scattered Productive Citrus Fruit Trees	-	150	835	915	15
Yangon					
Number of the Parcels with Scattered Productive Citrus Fruit Trees	5	15	*	24	4
Number of Scattered Productive Citrus Fruit Trees	582	628	115	1,856	107
Ayeyarwady					
Number of the Parcels with Scattered Productive Citrus Fruit Trees	-	*	*	*	-
Number of Scattered Productive Citrus Fruit Trees	-	80	15	50	-

Source: MCA 2010 Supplementary Module, SLRD



**Table S-36b. Number of Parcels with Scattered Productive Pome Fruit Trees and Number of Scattered Productive Pome Fruit Trees Reported from the Special Crop Holdings during the past 12 months, by Kind of Pome Fruit Trees, by Region/State, RoUM: 2010**

Region/State	Kind of Pome Fruit Trees	
	Apple	Other pome fruits
Union of Myanmar		
Number of the Parcels with Scattered Productive Pome Fruit Trees	*	*
Number of Scattered Productive Pome Fruit Trees	54	210
Yangon		
Number of the Parcels with Scattered Productive Pome Fruit Trees	-	*
Number of Scattered Productive Pome Fruit Trees	-	210
Ayeyarwady		
Number of the Parcels with Scattered Productive Pome Fruit Trees	*	-
Number of Scattered Productive Pome Fruit Trees	54	-

Source: MCA 2010 Supplementary Module, SLRD

**Table S-36c. Number of Parcels with Scattered Productive Stone Fruit Trees and Number of Scattered Productive Stone Fruit Trees Reported from the Special Crop Holdings during the past 12 months, by Kind of Stone Fruit Trees, by Region/State, RoUM: 2010**

Region/State	Kind of Stone Fruit Trees		
	Plum	Marian	Tamarind
Union of Myanmar			
Number of the Parcels with Scattered Productive Stone Fruit Trees	*	4	17
Number of Scattered Productive Stone Fruit Trees	510	21	1,990
Magway			
Number of the Parcels with Scattered Productive Stone Fruit Trees	-	-	*
Number of Scattered Productive Stone Fruit Trees	-	-	5
Mandalay			
Number of the Parcels with Scattered Productive Stone Fruit Trees	*	-	-
Number of Scattered Productive Stone Fruit Trees	500	-	-
Rakhine			
Number of the Parcels with Scattered Productive Stone Fruit Trees	-	-	*
Number of Scattered Productive Stone Fruit Trees	-	-	6
Yangon			
Number of the Parcels with Scattered Productive Stone Fruit Trees	*	*	9
Number of Scattered Productive Stone Fruit Trees	10	9	1,418
Ayeyarwady			
Number of the Parcels with Scattered Productive Stone Fruit Trees	-	*	6
Number of Scattered Productive Stone Fruit Trees	-	12	561

Source: MCA 2010 Supplementary Module, SLRD

Table S-37. Number of Parcels with Scattered Productive Other Cultivated Fruit Trees and Number of Scattered Productive Other Cultivated Fruit Trees Reported from the Special Crop Holdings during the past 12 months, by Kind of Other Cultivated Fruit Trees, by Region/State, RoUM: 2010

Region/State	Kind of Other Cultivated Fruit Trees												
	Banana	Custard Apple	Guava	Mango	Papaya	Pineapple	Jackfruit	Lychee	Durian	Rambutan	Avocado	Mangosteen	Other Other Cultivated Fruits
Union of Myanmar	83	-	28	115	15	19	48	*	7	4	*	4	14
	16,482	-	1,942	15,183	3,578	12,981	4,179	30	737	292	310	166	526
Kachin	4	-	-	*	*	-	-	*	-	*	*	-	-
Number of Parcels with Scattered Productive Other Cultivated Fruit Trees													
Number of Scattered Productive Other Cultivated Fruit Trees	640	-	-	2,236	1,500	-	-	30	-	187	250	-	6
Sagaing													
Number of Parcels with Scattered Productive Other Cultivated Fruit Trees	-	-	-	*	-	-	-	-	-	-	-	-	-
Number of Scattered Productive Other Cultivated Fruit Trees	-	-	-	136	-	-	-	-	-	-	-	-	-
Tanintharyi													
Number of Parcels with Scattered Productive Other Cultivated Fruit Trees	-	-	-	*	-	-	-	-	-	-	-	-	-
Number of Scattered Productive Other Cultivated Fruit Trees	-	-	-	3	-	-	-	-	-	-	-	-	-
Magway													
Number of Parcels with Scattered Productive Other Cultivated Fruit Trees	*	-	-	-	-	-	-	-	-	-	-	-	-
Number of Scattered Productive Other Cultivated Fruit Trees	40	-	-	-	-	-	-	-	-	-	-	-	-
Mandalay													
Number of Parcels with Scattered Productive Other Cultivated Fruit Trees	-	-	*	*	-	-	*	-	-	-	-	-	-
Number of Scattered Productive Other Cultivated Fruit Trees	-	-	7	557	-	-	32	-	-	-	-	-	-
Mon													
Number of Parcels with Scattered Productive Other Cultivated Fruit Trees	8	-	-	11	*	*	8	-	*	*	-	4	*
Number of Scattered Productive Other Cultivated Fruit Trees	2,005	-	-	1,877	110	3,615	1,569	-	345	75	-	166	78
Rakhine													
Number of Parcels with Scattered Productive Other Cultivated Fruit Trees	*	-	-	*	-	*	*	-	-	-	-	-	-
Number of Scattered Productive Other Cultivated Fruit Trees	620	-	-	1,490	-	7,100	500	-	-	-	-	-	-
Yangon													
Number of Parcels with Scattered Productive Other Cultivated Fruit Trees	57	-	17	70	6	7	25	-	*	-	*	-	8
Number of Scattered Productive Other Cultivated Fruit Trees	10,467	-	1,415	5,793	719	425	1,593	-	112	-	60	-	292
Ayeyarwady													
Number of Parcels with Scattered Productive Other Cultivated Fruit Trees	9	-	8	24	7	8	13	-	*	*	-	-	*
Number of Scattered Productive Other Cultivated Fruit Trees	2,710	-	520	3,091	1,249	1,851	485	-	280	30	-	-	150

Source: MCA 2010 Supplementary Module, SLRD

**Table S-38. Number of Parcels with Scattered Productive Edible Nut Trees and Oil Crops and Number of Scattered Productive Edible Nut Trees and Oil Crops Reported from the Special Crop Holdings during the past 12 months, by Kind of Edible Nut Trees and Oil Crops, by Region/State, RoUM: 2010**

Region/State	Kind of Edible Nut Trees		Kind of Oil Crops		
	Cashew	Other edible nuts	Coconut	Palm	Other oil crops
Union of Myanmar					
Number of the Parcels with Scattered Productive Edible Nut Trees and Oil Crops	37	*	35	*	12
Number of Scattered Productive Edible Nut Trees and Oil Crops	12,565	6	2,178	70	18,273
Kachin					
Number of the Parcels with Scattered Productive Edible Nut Trees and Oil Crops	-	-	-	-	*
Number of Scattered Productive Edible Nut Trees and Oil Crops	-	-	-	-	150
Sagaing					
Number of the Parcels with Scattered Productive Edible Nut Trees and Oil Crops	-	-	*	-	8
Number of Scattered Productive Edible Nut Trees and Oil Crops	-	-	106	-	18,001
Tanintharyi					
Number of the Parcels with Scattered Productive Edible Nut Trees and Oil Crops	*	-	-	-	-
Number of Scattered Productive Edible Nut Trees and Oil Crops	5	-	-	-	-
Magway					
Number of the Parcels with Scattered Productive Edible Nut Trees and Oil Crops	-	-	*	-	-
Number of Scattered Productive Edible Nut Trees and Oil Crops	-	-	3	-	-
Mon					
Number of the Parcels with Scattered Productive Edible Nut Trees and Oil Crops	4	-	5	-	-
Number of Scattered Productive Edible Nut Trees and Oil Crops	482	-	465	-	-
Rakhine					
Number of the Parcels with Scattered Productive Edible Nut Trees and Oil Crops	5	-	-	-	-
Number of Scattered Productive Edible Nut Trees and Oil Crops	6,100	-	-	-	-
Yangon					
Number of the Parcels with Scattered Productive Edible Nut Trees and Oil Crops	13	*	17	*	*
Number of Scattered Productive Edible Nut Trees and Oil Crops	465	6	370	70	122
Ayeyarwady					
Number of the Parcels with Scattered Productive Edible Nut Trees and Oil Crops	14	-	11	-	-
Number of Scattered Productive Edible Nut Trees and Oil Crops	5,513	-	1,234	-	-

Source: MCA 2010 Supplementary Module, SLRD

**Table S-39. Number of Parcels with Scattered Productive Industrial Permanent Crops and Industrialized Crops and Number of Scattered Productive Industrial Permanent Crops and Industrialized Crops Reported from the Special Crop Holdings during the past 12 months, by Kind of Industrial Permanent Crops and Industrialized Crops, by Region/State, RoUM: 2010**

Region/State	Kind of Industrial Permanent Crops				Kind of Industrialized Crops		
	Tea	Coffee	Cocoa	Other industrial permanent crops	Rubber (local)	Rubber (HYV)	Other industrialized crops
Union of Myanmar							
Number of the Parcels with Scattered Productive Industrial Permanent Crops and Industrialized Crops	*	*	*	*	15	8	30
Number of Scattered Productive Industrial Permanent Crops and Industrialized Crops	500	100	807	15	48,031	4,735	14,034
Kachin							
Number of the Parcels with Scattered Productive Industrial Permanent Crops and Industrialized Crops	-	-	-	-	*	*	*
Number of Scattered Productive Industrial Permanent Crops and Industrialized Crops	-	-	-	-	608	110	8,171
Magway							
Number of the Parcels with Scattered Productive Industrial Permanent Crops and Industrialized Crops	-	-	-	-	-	-	27
Number of Scattered Productive Industrial Permanent Crops and Industrialized Crops	-	-	-	-	-	-	1,863
Mon							
Number of the Parcels with Scattered Productive Industrial Permanent Crops and Industrialized Crops	-	-	-	*	-	*	-
Number of Scattered Productive Industrial Permanent Crops and Industrialized Crops	-	-	-	15	-	1,000	-
Rakhine							
Number of the Parcels with Scattered Productive Industrial Permanent Crops and Industrialized Crops	*	*	-	-	8	*	*
Number of Scattered Productive Industrial Permanent Crops and Industrialized Crops	500	100	-	-	45,100	3,000	4,000
Yangon							
Number of the Parcels with Scattered Productive Industrial Permanent Crops and Industrialized Crops	-	-	*	-	*	4	-
Number of Scattered Productive Industrial Permanent Crops and Industrialized Crops	-	-	807	-	923	625	-
Ayeyarwady							
Number of the Parcels with Scattered Productive Industrial Permanent Crops and Industrialized Crops	-	-	-	-	*	-	-
Number of Scattered Productive Industrial Permanent Crops and Industrialized Crops	-	-	-	-	400	-	-

Source: MCA 2010 Supplementary Module, SLRD

**Table S-40. Number of Parcels with Scattered Other Permanent Crops and Number of Scattered Other Permanent Crops Reported from the Special Crop Holdings during the past 12 months, by Kind of Other Permanent Crops, by Region/State, RoUM: 2010**

Region/State	Kind of Other Permanent Crops				
	Betel nut	Betel leaf	Toddy palm	Danyin	Other permanent crops
Union of Myanmar					
Number of the Parcels with Scattered Productive Other Permanent Crops	28	*	13	26	8
Number of Scattered Productive Other Permanent Crops	9,254	4,000	1,075	3,196	778
Kachin					
Number of the Parcels with Scattered Productive Other Permanent Crops	-	-	-	11	-
Number of Scattered Productive Other Permanent Crops	-	-	-	845	-
Tanintharyi					
Number of the Parcels with Scattered Productive Other Permanent Crops	*	*	-	-	-
Number of Scattered Productive Other Permanent Crops	2,660	4,000	-	-	-
Magway					
Number of the Parcels with Scattered Productive Other Permanent Crops	-	-	*	-	-
Number of Scattered Productive Other Permanent Crops	-	-	3	-	-
Mon					
Number of the Parcels with Scattered Productive Other Permanent Crops	5	-	-	9	6
Number of Scattered Productive Other Permanent Crops	977	-	-	1,510	582
Rakhine					
Number of the Parcels with Scattered Productive Other Permanent Crops	*	-	-	*	-
Number of Scattered Productive Other Permanent Crops	3,300	-	-	230	-
Yangon					
Number of the Parcels with Scattered Productive Other Permanent Crops	8	-	7	*	*
Number of Scattered Productive Other Permanent Crops	577	-	878	605	196
Ayeyarwady					
Number of the Parcels with Scattered Productive Other Permanent Crops	9	-	5	*	-
Number of Scattered Productive Other Permanent Crops	1,740	-	194	6	-

Source: MCA 2010 Supplementary Module, SLRD

**Table S-41. Number of Parcels with Scattered Permanent Flower Crops and Forest Trees and Number of Scattered Permanent Flower Crops and Forest Trees Reported from the Special Crop Holdings during the past 12 months, by Kind of Permanent Flower Crops and Forest Trees, by Region/State, RoUM: 2010**

Region/State	Kind of Permanent Flower Crops		Kind of Forest Trees			
	Jasmine	Other permanent flower crops	Bamboo	Fuel wood trees	Teak trees	Other forest trees
Union of Myanmar						
Number of the Parcels with Scattered Productive Permanent Flower Crops and Forest Trees	*	7	36	10	16	26
Number of Scattered Productive Permanent Flower Crops and Forest Trees	9	273	68,671	706	32,401	3,956
Kachin						
Number of the Parcels with Scattered Productive Permanent Flower Crops and Forest Trees	-	*	6	-	*	*
Number of Scattered Productive Permanent Flower Crops and Forest Trees	-	75	48,501	-	5,651	150
Bago East						
Number of the Parcels with Scattered Productive Permanent Flower Crops and Forest Trees	-	-	-	-	*	-
Number of Scattered Productive Permanent Flower Crops and Forest Trees	-	-	-	-	13,500	-
Mon						
Number of the Parcels with Scattered Productive Permanent Flower Crops and Forest Trees	-	*	*	-	*	*
Number of Scattered Productive Permanent Flower Crops and Forest Trees	-	100	320	-	50	565
Rakhine						
Number of the Parcels with Scattered Productive Permanent Flower Crops and Forest Trees	-	-	-	-	*	*
Number of Scattered Productive Permanent Flower Crops and Forest Trees	-	-	-	-	545	500
Yangon						
Number of the Parcels with Scattered Productive Permanent Flower Crops and Forest Trees	*	4	19	5	6	14
Number of Scattered Productive Permanent Flower Crops and Forest Trees	9	77	1,605	147	9,234	2,286
Shan North						
Number of the Parcels with Scattered Productive Permanent Flower Crops and Forest Trees	-	-	*	-	-	-
Number of Scattered Productive Permanent Flower Crops and Forest Trees	-	-	40	-	-	-
Ayeyarwady						
Number of the Parcels with Scattered Productive Permanent Flower Crops and Forest Trees	-	*	8	5	*	7
Number of Scattered Productive Permanent Flower Crops and Forest Trees	-	21	18,205	559	3,421	455

Source: MCA 2010 Supplementary Module, SLRD

Table S-52. Number of Special Crop Holdings Reported during the past 12 months, by Legal Status, by Region/State, RoUM: 2010

Region/State	by Legal Status of the Crop Holding							Total Special Crop Holdings
	Single Proprietorship	Partnership	Corporation	Cooperative	Government corporation/ Institution	Other private institution	Other	
Union of Myanmar	756	88	19	27	1,951	1,933	425	5,199
Kachin	148	9	-	-	146	168	125	596
Kayah	-	-	4	*	138	4	8	156
Kayin	-	-	-	-	51	12	4	67
Chin	-	-	-	-	*	-	-	*
Sagaing	97	*	-	*	185	33	93	412
Tanintharyi	-	-	-	-	6	17	7	30
Bago East	5	5	6	*	65	89	11	184
Bago West	10	-	-	*	72	17	-	101
Magway	3	-	2	*	124	62	*	195
Mandalay	143	3	*	7	150	320	7	631
Mon	-	-	-	*	107	24	4	137
Rakhine	-	-	-	-	237	30	-	267
Yangon	341	70	*	*	368	755	122	1,659
Shan South	-	-	*	*	58	34	*	98
Shan North	-	-	-	-	76	170	26	272
Shan East	-	-	-	-	18	-	-	18
Ayeyarwady	9	-	*	4	149	198	13	375

Source: MCA 2010 Supplementary Module, SLRD





**Special Livestock/Poultry Holdings**

Table S-01. Number of Special Livestock/Poultry Holdings during the past 12 months, by Legal Status of the Holder, by Region/State, RoUM: 2010

Region/State	Legal Status of the Special Livestock/Poultry Holder							Total Special Livestock/Poultry Holdings
	Single Proprietorship	Partnership	Corporation	Cooperative	Government Corporation/Institution	Private institution	Other	
Union of Myanmar	226	4	2	-	369	324	43	974
Kayin	-	-	-	-	15	*	-	16
Chin	-	-	-	-	*	-	-	*
Sagaing	21	-	2	-	24	9	-	56
Tanintharyi	-	-	-	-	-	5	6	11
Bago East	-	-	-	*	5	4	*	11
Magway	-	-	-	-	2	-	-	2
Mandalay	136	*	-	-	30	42	-	209
Mon	-	-	-	-	41	3	*	45
Rakhine	-	-	-	-	66	6	3	75
Yangon	69	4	*	-	47	108	8	237
Shan South	-	-	-	-	32	18	4	54
Shan North	-	-	-	-	54	88	20	162
Shan East	-	-	-	-	7	-	-	7
Ayeyarwady	-	-	-	-	46	41	2	89

Source: MCA 2010 Supplementary Module, SLRD

Table S-02. Number of Livestock in the Special Livestock/Poultry Holdings as of day of visit, by Kind of livestock, by Region/State, RoUM: 2010

Region/State	Number of Large Livestock							Number of Small Livestock			
	Draught cattle	Dairy cattle	Other cattle	Draught buffalo	Dairy buffalo	Horse	Mule	Sheep	Goat	Pig	Other small livestock
Union of Myanmar	10,074	2,423	1,568	3,458	331	153	43	150	8,759	24,961	564
Kachin	1,391	33	155	458	14	2	3	-	610	2,476	7
Kayah	170	-	-	8	-	-	-	-	-	80	-
Kayin	212	6	-	15	-	-	-	-	302	88	198
Chin	27	-	-	8	-	2	-	-	-	-	-
Sagaing	2,118	105	9	145	-	-	-	-	579	501	-
Tanintharyi	106	-	-	105	-	3	-	-	595	20	-
Bago East	193	18	-	12	9	-	-	-	136	86	-
Magway	5	-	13	-	-	-	-	-	165	20	-
Mandalay	931	1,283	205	114	-	-	-	135	2,279	4,219	230
Mon	289	26	58	107	22	-	-	-	1,056	1,072	37
Rakhine	1,055	-	-	1,057	124	-	-	-	877	946	18
Yangon	778	365	-	271	-	-	-	3	395	5,575	-
Shan South	862	-	386	44	140	112	-	-	40	468	-
Shan North	1,380	574	742	540	22	8	-	12	986	8,308	74
Shan East	52	-	-	38	-	26	40	-	128	242	-
Ayeyarwady	505	13	-	536	-	-	-	-	611	860	-

Source: MCA 2010 Supplementary Module, SLRD

Table S-03. Number of Fowls in the Special Livestock/Poultry Holdings as of day of visit, by Kind of Poultry, by Region/State, RoUM: 2010

Region/State	Number of Fowls, by Kind of Poultry							
	Native chicken	Layer chicken	Broiler chicken	Semi-broiler chicken	Total Chicken	Duck	Quail	Other poultry
Union of Myanmar	64,496	824,692	1,084,959	128,709	2,102,856	11,775	187	240
Kachin	20,730	9,627	8,480	-	38,837	1,266	2	20
Kayah	234	1,000	-	-	1,234	-	-	-
Kayin	581	230	6,445	-	7,256	100	-	200
Chin	100	-	-	-	100	-	-	-
Sagaing	1,517	2,844	2,688	-	7,049	78	165	-
Tanintharyi	200	-	3,000	-	3,200	-	-	-
Bago East	160	30,350	38,500	24,000	93,010	175	-	-
Magway	-	-	1,487	-	1,487	-	-	-
Mandalay	5,156	239,138	106,730	5,000	356,024	785	-	-
Mon	8,776	7,235	13,439	-	29,450	375	-	-
Rakhine	6,152	992	-	-	7,144	757	20	-
Yangon	2,944	205,700	832,740	93,989	1,135,373	2,987	-	8
Shan South	874	45,426	1,000	1,600	48,900	70	-	-
Shan North	11,602	278,400	48,400	3,120	341,522	206	-	12
Shan East	3,880	-	-	1,000	4,880	120	-	-
Ayeyarwady	1,590	3,750	22,050	-	27,390	4,856	-	-

Source: MCA 2010 Supplementary Module, SLRD

**Table S-04. Number of Draught Cattle in the Special Livestock/Poultry Holdings as of day of visit, by Age and Sex of the Draught Cattle, by Region/State, RoUM: 2010**

Region/State	Under 1 year			1 year - under 3 years			3 years and over			Total Draught Cattle		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Union of Myanmar	657	777	1,434	1,277	1,310	2,587	3,518	2,535	6,053	5,452	4,622	10,074
Kachin	54	82	136	153	208	361	604	290	894	811	590	1,391
Kayah	12	14	26	38	30	68	22	54	76	72	98	170
Kayin	10	11	21	48	61	109	51	31	82	109	103	212
Chin	-	-	-	3	3	6	8	13	21	11	16	27
Sagaing	210	263	473	126	159	285	709	651	1,360	1,045	1,073	2,118
Tanintharyi	7	9	16	22	42	64	13	13	26	42	64	106
Bago East	19	13	32	15	10	25	78	58	136	112	81	193
Magway	-	-	-	-	-	-	2	3	5	2	3	5
Mandalay	72	56	128	147	101	248	422	133	555	641	290	931
Mon	7	28	35	33	30	63	104	87	191	144	145	289
Rakhine	36	38	74	134	128	262	449	270	719	619	436	1,055
Yangon	39	36	75	62	92	154	385	164	549	486	292	778
Shan South	88	114	202	148	178	326	202	132	334	438	424	862
Shan North	80	88	168	268	174	442	296	474	770	644	736	1,380
Shan East	10	6	16	6	16	22	-	14	14	16	36	52
Ayeyarwady	13	19	32	74	78	152	173	148	321	260	245	505

Source: MCA 2010 Supplementary Module, SLRD

**Table S-05. Number of Dairy Cattle in the Special Livestock/Poultry Holdings as of day of visit, by Age and Sex of the Dairy Cattle, by Region/State, RoUM: 2010**

Region/State	Under 1 year			1 year - under 3 years			3 years and over			Total Dairy Cattle		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Union of Myanmar	89	260	349	223	333	556	173	1,345	1,518	485	1,938	2,423
Kachin	-	2	2	5	7	12	3	16	19	8	25	33
Kayin	-	-	-	-	2	2	-	3	3	-	6	6
Sagaing	-	9	9	2	9	11	64	21	85	66	39	105
Bago East	-	-	-	-	-	-	8	9	17	9	9	18
Mandalay	22	55	77	52	106	158	59	989	1,048	133	1,150	1,283
Mon	-	5	5	-	2	2	-	18	19	-	25	26
Yangon	10	64	74	112	61	173	12	106	118	134	231	365
Shan South	-	-	-	-	-	-	-	-	-	-	-	-
Shan North	-	124	180	48	146	194	22	178	200	126	448	574
Ayeyarwady	-	-	-	4	-	4	4	5	9	8	5	13

Source: MCA 2010 Supplementary Module, SLRD

Table S-06. Number of Other Kind of Cattle in the Special Livestock/Poultry Holdings as of day of visit, by Age and Sex of Other Kind of Cattle, by Region/State, RoUM: 2010

Region/State	Under 1 year			1 year - under 3 years			3 years and over			Total Other Kind of Cattle		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Union of Myanmar	88	113	201	210	203	413	347	607	954	645	923	1,568
Kachin	15	16	31	30	30	60	10	54	64	55	100	155
Sagaing	-	-	-	4	5	9	-	-	-	4	5	9
Magway	*	4	5	*	2	3	*	4	5	3	10	13
Mandalay	-	-	-	9	4	13	75	117	192	84	121	205
Mon	-	3	3	18	10	28	19	8	27	37	21	58
Shan South	38	46	84	46	76	122	60	120	180	144	242	386
Shan North	34	44	78	102	76	178	182	304	486	318	424	742

Source: MCA 2010 Supplementary Module, SLRD

Table S-07. Number of Draught Buffaloes in the Special Livestock/Poultry Holdings as of day of visit, by Age and Sex of Draught Buffaloes, by Region/State, RoUM: 2010

Region/State	Under 1 year			1 year - under 3 years			3 years and over			Total Draught Buffaloes		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Union of Myanmar	187	249	436	351	422	773	1,168	1,081	2,249	1,706	1,752	3,458
Kachin	9	37	46	53	60	113	163	136	299	225	233	458
Kayah	-	-	-	-	-	-	4	4	8	4	4	8
Kayin	*	-	*	*	-	*	8	5	13	10	5	15
Chin	-	-	-	-	-	-	5	2	7	6	2	8
Sagaing	3	11	14	21	12	33	45	53	98	69	76	145
Tanintharyi	13	21	34	7	25	32	13	26	39	33	72	105
Bago East	2	*	3	-	-	-	4	5	9	6	6	12
Mandalay	-	-	-	5	4	9	73	32	105	78	36	114
Mon	*	2	3	10	9	19	48	37	85	59	48	107
Rakhine	68	84	152	135	178	313	306	286	592	509	548	1,057
Yangon	18	23	41	28	28	56	103	71	174	149	122	271
Shan South	2	2	4	-	8	8	4	28	32	6	38	44
Shan North	34	30	64	46	52	98	196	182	378	276	284	540
Shan East	6	4	10	6	6	12	4	12	16	16	22	38
Ayeyarwady	30	34	64	38	40	78	192	202	394	260	276	536

Source: MCA 2010 Supplementary Module, SLRD

Table S-08. Number of Dairy Buffaloes in the Special Livestock/Poultry Holdings as of day of visit, by Age and Sex of the Dairy Buffaloes, by Region/State, RoUM: 2010

Region/State	Under 1 year			1 year - under 3 years			3 years and over			Total Dairy Buffaloes		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Union of Myanmar	26	32	58	63	78	141	58	74	132	147	184	331
Kachin	-	-	-	5	-	5	5	4	9	10	4	14
Bago East	*	-	*	-	-	-	-	8	8	*	8	9
Mon	-	2	2	-	6	6	-	14	14	-	22	22
Rakhine	11	10	21	14	18	32	35	36	71	60	64	124
Shan South	14	20	34	42	48	90	16	-	16	72	68	140
Shan North	-	-	-	2	6	8	2	12	14	4	18	22

Source: MCA 2010 Supplementary Module, SLRD



Table S-09. Number of Cattle and Buffaloes in the Special Livestock/Poultry Holdings as of day of visit, by Breed of Cattle and Buffaloes, by Region/State, RoUM: 2010

Region/State	Breed of Cattle				Breed of Buffalo		
	Fresian	Jersey	Local	Total Cattle	Swamp	Murrah	Total Buffaloes
Union of Myanmar	2,488	303	11,270	14,061	3,718	75	3,793
Kachin	5	*	1,573	1,578	472	-	472
Kayah	-	-	170	170	8	-	8
Kayin	-	-	218	218	15	-	15
Chin	-	-	27	27	8	-	8
Sagaing	916	-	1,316	2,232	145	-	145
Tanintharyi	-	-	106	106	105	-	105
Bago East	-	18	193	211	12	9	21
Magway	-	-	18	18	-	-	-
Mandalay	1,074	177	1,168	2,419	76	38	114
Mon	35	2	332	369	105	28	133
Rakhine	-	-	1,055	1,055	1,181	-	1,181
Yangon	365	-	778	1,143	271	-	271
Shan South	-	-	1,248	1,248	184	-	184
Shan North	80	104	2,512	2,696	562	-	562
Shan East	-	-	52	52	38	-	38
Ayeyarwady	13	*	504	517	536	-	536

Source: MCA 2010 Supplementary Module, SLRD

Table S-10. Number of Goats in the Special Livestock/Poultry Holdings as of day of visit, by Age and Sex of Goat, by Region/State, RoUM: 2010

Region/State	Under 2 months			2 months - under 6 months			6 months and over			Total Goats		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Union of Myanmar	451	631	1,082	1,000	1,630	2,630	1,409	3,638	5,047	2,860	5,899	8,759
Kachin	20	39	59	64	118	182	117	252	369	201	409	610
Kayin	35	27	62	67	64	131	36	73	109	138	164	302
Sagaing	28	19	47	69	205	274	64	194	258	161	418	579
Tanintharyi	49	48	97	123	147	270	54	174	228	226	369	595
Bago East	2	*	3	16	42	58	15	60	75	33	103	136
Magway	4	13	17	2	20	22	7	119	126	13	152	165
Mandalay	114	250	364	167	321	488	267	1,160	1,427	548	1,731	2,279
Mon	48	53	101	173	206	379	203	373	576	424	632	1,056
Rakhine	36	48	84	93	150	243	279	271	550	408	469	877
Yangon	15	10	25	32	55	87	51	232	283	98	297	395
Shan South	12	12	24	4	12	16	-	-	-	16	24	40
Shan North	36	60	96	92	158	250	178	462	640	306	680	986
Shan East	6	6	12	20	18	38	28	50	78	54	74	128
Ayeyarwady	46	45	91	78	114	192	110	218	328	234	377	611

Source: MCA 2010 Supplementary Module, SLRD

Table S-11. Number of Pigs in the Special Livestock/Poultry Holdings as of day of visit, by Age and Sex of Pigs, by Region/State, RoUM: 2010

Region/State	Under 2 months			2 months - under 6 months			6 months and over			Total Pigs		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Union of Myanmar	2,094	3,703	5,797	5,086	6,102	11,188	2,823	5,153	7,976	10,003	14,958	24,961
Kachin	197	283	480	415	389	804	652	540	1,192	1,264	1,212	2,476
Kayah	-	-	-	14	18	32	32	16	48	46	34	80
Kayin	11	13	24	33	6	39	17	8	25	61	27	88
Sagaing	48	48	96	94	76	170	99	136	235	241	260	501
Tanintharyi	-	-	-	-	-	-	6	14	20	6	14	20
Bago East	-	-	-	15	12	27	30	29	59	45	41	86
Magway	2	7	9	*	3	4	-	7	7	3	17	20
Mandalay	82	642	724	607	1,183	1,790	412	1,293	1,705	1,101	3,118	4,219
Mon	119	124	243	165	220	385	164	280	444	448	624	1,072
Rakhine	75	86	161	133	186	319	178	288	466	386	560	946
Yangon	1,045	1,037	2,082	1,104	1,107	2,211	342	940	1,282	2,491	3,084	5,575
Shan South	86	104	190	64	144	208	8	62	70	158	310	468
Shan North	374	1,254	1,628	2,286	2,478	4,764	720	1,196	1,916	3,380	4,928	8,308
Shan East	14	18	32	38	42	80	60	70	130	112	130	242
Ayeyarwady	41	87	128	117	238	355	103	274	377	261	599	860

Source: MCA 2010 Supplementary Module, SLRD

Table S-12. Number of Chickens in the Special Livestock/Poultry Holdings as of day of visit, by Kind of Chicken, by Legal Status of the Holder, by Region/State, RoUM: 2010

Region/State	Kind of Chicken												Total Chickens
	Starter				Grower				Pullets				
	Layer (0-6 weeks)	Broiler (0-2 weeks)	Semi-broiler (0-4 weeks)	Total Starters	Layer (7-18 weeks)	Broiler (3-5 weeks)	Semi-broiler (5-8 weeks)	Total Growers	Layer (19 & over weeks)	Broiler (6-9 weeks)	Semi-broiler (9 & over weeks)	Total Pullets	
Union of Myanmar	147,137	225,740	66,020	438,897	95,717	657,029	11,500	764,246	581,838	202,190	51,189	835,217	2,038,360
Kachin	227	732	-	959	3,550	4,522	-	8,072	5,850	3,226	-	9,076	18,107
Kayah	-	-	-	-	200	-	-	200	800	-	-	800	1,000
Kayin	230	145	-	375	-	6,300	-	6,300	-	-	-	-	6,675
Sagaing	-	876	-	876	-	1,077	-	1,077	2,844	735	-	3,579	5,532
Tanintharyi	-	-	-	-	-	3,000	-	3,000	-	-	-	-	3,000
Bago East	-	10,000	-	10,000	100	8,350	-	8,450	30,250	20,150	24,000	74,400	92,850
Magway	-	128	-	128	-	467	-	467	-	892	-	892	1,487
Mandalay	119,400	49,500	-	168,900	64,438	53,230	5,000	122,668	55,300	4,000	-	59,300	350,898
Mon	1,900	2,110	-	4,010	3,700	10,539	-	14,239	1,635	790	-	2,425	20,674
Rakhine	-	-	-	-	165	-	-	165	827	-	-	827	992
Yangon	8,010	146,199	65,000	219,209	6,890	531,744	6,000	544,634	190,800	154,797	22,989	368,586	1,132,429
Shan South	11,570	-	-	11,570	274	1,000	-	1,274	33,582	-	1,600	35,182	48,026
Shan North	5,000	6,400	1,020	12,420	16,000	31,700	500	48,200	257,400	10,300	1,600	269,300	329,920
Shan East	-	-	-	-	-	-	-	-	-	-	1,000	1,000	1,000
Ayeyarwady	800	9,650	-	10,450	400	5,100	-	5,500	2,550	7,300	-	9,850	25,800

Source: MCA 2010 Supplementary Module, SLRD



## Special Aquaculture Holdings

Table S-01. Number of Special Aquaculture Holdings Reported during the past 12 months, by Legal Status, by Region/State, RoUM: 2010

Region/State	Legal Status of the Aquaculture Holding							Total
	Single Proprietorship	Partnership	Corporation	Cooperative	Government corporation/institution	Private institution	Other	
Union of Myanmar	194	*	*	3	250	295	14	758
Kayah	-	-	-	-	-	*	-	*
Kayin	-	-	-	-	*	3	-	4
Sagaing	2	-	-	*	6	-	-	9
Tanintharyi	-	-	-	-	-	2	-	2
Bago East	-	-	-	*	2	5	-	8
Mandalay	114	*	*	*	15	38	*	171
Rakhine	2	-	-	-	73	4	2	81
Yangon	76	-	-	-	54	78	9	217
Shan South	-	-	-	-	8	2	-	10
Shan North	-	-	-	-	4	-	-	4
Shan East	-	-	-	-	10	-	-	10
Ayeyarwady	-	-	-	-	77	162	2	241

Source: MCA 2010 Supplementary Module, SLRD

Table S-02. Number of Aqua-farms Operated by Special Aquaculture Holdings during the past 12 months, by Type of Aquaculture, by Region/State, RoUM: 2010

Region/State	Number of Aquafarms, by Type of Aquaculture						Total Number of Aquafarms
	Hatchery/Nursery	Pond Culture	Rice-cum-Fish Culture	Pen Culture	Cage Culture	Other Types	
Union of Myanmar	40	726	15	*	9	59	850
Kayah	-	4	-	-	-	-	4
Kayin	-	4	2	*	7	-	14
Sagaing	-	16	-	-	-	-	16
Tanintharyi	-	-	-	-	*	*	2
Bago East	*	9	-	-	-	-	10
Mandalay	11	161	2	-	-	-	174
Rakhine	-	52	5	-	-	32	89
Yangon	4	204	3	-	*	24	236
Shan South	-	14	-	-	-	-	14
Shan North	-	6	-	-	-	-	6
Shan East	6	4	-	-	-	-	10
Ayeyarwady	18	252	3	-	-	2	275

Source: MCA 2010 Supplementary Module, SLRD

**Table S-03. Number and Surface Physical Area of Aqua-farms Operated by Special Aquaculture Holdings during the past 12 months, by Type of Aquaculture, by Region/State, RoUM: 2010**

Region/State	Type of Aquaculture					
	Hatchery/Nursery (in sq.ft.)	Pond Culture (in acres)	Rice-cum-fish culture (in acres)	Pen Culture (in sq.ft.)	Cage Culture (in sq. ft.)	Other Aquaculture (in sq. ft)
Union of Myanmar						
Number of aquafarms	40	726	15	*	9	59
Total Surface Physical Area	5,021.50	73,531.99	2,025.98	2.00	223.87	5,714.80
Kayah						
Number of aquafarms	-	4	-	-	-	-
Total Surface Physical Area	-	9.00	-	-	-	-
Kayin						
Number of aquafarms	-	4	2	*	7	-
Total Surface Physical Area	-	55.73	30.50	2.00	74.50	-
Sagaing						
Number of aquafarms	-	16	-	-	-	-
Total Surface Physical Area	-	459.61	-	-	-	-
Tanintharyi						
Number of aquafarms	-	-	-	-	*	*
Total Surface Physical Area	-	-	-	-	46.93	135.50
Bago East						
Number of aquafarms	*	9	-	-	-	-
Total Surface Physical Area	2.88	592.50	-	-	-	-
Mandalay						
Number of aquafarms	11	161	2	-	-	-
Total Surface Physical Area	89.83	2,326.76	128.00	-	-	-
Rakhine						
Number of aquafarms	-	52	5	-	-	32
Total Surface Physical Area	-	2,170.50	1,714.03	-	-	521.17
Yangon						
Number of aquafarms	4	204	3	-	*	24
Total Surface Physical Area	903.54	19,676.69	45.00	-	102.44	3,950.27
Shan South						
Number of aquafarms	-	14	-	-	-	-
Total Surface Physical Area	-	148.50	-	-	-	-
Shan North						
Number of aquafarms	-	6	-	-	-	-
Total Surface Physical Area	-	23.86	-	-	-	-
Shan East						
Number of aquafarms	6	4	-	-	-	-
Total Surface Physical Area	4.24	3.00	-	-	-	-
Ayeyarwady						
Number of aquafarms	18	252	3	-	-	2
Total Surface Physical Area	4,021.01	48,065.84	108.45	-	-	1,107.86

Source: MCA 2010 Supplementary Module, SLRD



**Table S-04. Number and Area of Fishpond Culture Operated by Special Aquaculture Holdings during the past 12 months, by Size of the Area of Fishpond Culture, by Region/State, RoUM: 2010**

Region/State	Size of the Area of Pond Culture							Total
	Under 1 acre	1 acre and under 3 acres	3 acres and under 5 acres	5 acres and under 10 acres	10 acres and under 20 acres	20 acres and under 50 acres	50 acres and over	
Union of Myanmar								
Number of fishpond culture	25	50	40	116	131	151	213	726
Area of fishpond culture (acre)	9.72	88.33	149.02	765.46	1,720.12	4,488.66	66,310.68	73,531.99
Kayah								
Number of fishpond culture	2	-	2	-	-	-	-	4
Area of fishpond culture (acre)	1.00	-	8.00	-	-	-	-	9.00
Kayin								
Number of fishpond culture	-	-	-	*	3	-	-	4
Area of fishpond culture (acre)	-	-	-	5.73	50.00	-	-	55.73
Sagaing								
Number of fishpond culture	-	2	-	4	4	3	3	16
Area of fishpond culture (acre)	-	4.00	-	31.98	40.45	74.11	309.07	459.61
Bago East								
Number of fishpond culture	-	-	-	2	-	2	5	9
Area of fishpond culture (acre)	-	-	-	12.00	-	71.00	509.50	592.50
Mandalay								
Number of fishpond culture	12	23	23	35	33	28	7	161
Area of fishpond culture (acre)	5.99	44.54	83.82	241.11	428.83	828.08	694.39	2,326.76
Rakhine								
Number of fishpond culture	-	5	2	6	9	15	15	52
Area of fishpond culture (acre)	-	7.50	7.10	39.50	126.70	428.70	1,561.00	2,170.50
Yangon								
Number of fishpond culture	1	5	4	38	37	46	73	204
Area of fishpond culture (acre)	0.51	8.73	17.05	224.15	455.69	1,278.42	17,692.14	19,676.69
Shan South								
Number of fishpond culture	6	6	-	-	-	-	2	14
Area of fishpond culture (acre)	1.00	10.00	-	-	-	-	137.50	148.50
Shan North								
Number of fishpond culture	2	-	-	4	-	-	-	6
Area of fishpond culture (acre)	0.22	-	-	23.64	-	-	-	23.86
Shan East								
Number of fishpond culture	2	2	-	-	-	-	-	4
Area of fishpond culture (acre)	1.00	2.00	-	-	-	-	-	3.00
Ayeyarwady								
Number of fishpond culture	-	7	9	26	45	57	108	252
Area of fishpond culture (acre)	-	11.56	33.05	187.35	618.45	1,808.35	45,407.08	48,065.84

Source: MCA 2010 Supplementary Module, SLRD

**Table S-05. Number and Area of Rice-cum-Fish Culture Operated by Special Aquaculture Holdings during the past 12 months, by Size of the Area of Rice-cum-Fish Culture, by Region/State, RoUM: 2010**

Location of Fishpond Culture (Region/State)	Size of the Area of Rice-cum-Fish Culture				Total
	5 and Under 10 acres	10 and Under 20 acres	20 and Under 50 acres	50 and Over acres	
Union of Myanmar					
Number of rice-cum-fish culture	3	3	*	8	15
Area of rice-cum-fish culture (acre)	19.78	44.50	25.00	1,936.70	2,025.98
Kayin					
Number of rice-cum-fish culture	-	2	-	-	2
Area of rice-cum-fish culture (acre)	-	30.50	-	-	30.50
Mandalay					
Number of rice-cum-fish culture	*	-	-	*	2
Area of rice-cum-fish culture (acre)	8.00	-	-	120.00	128.00
Rakhine					
Number of rice-cum-fish culture	-	-	-	5	5
Area of rice-cum-fish culture (acre)	-	-	-	1,714.03	1,714.03
Yangon					
Number of rice-cum-fish culture	*	*	*	-	3
Area of rice-cum-fish culture (acre)	6.00	14.00	25.00	-	45.00
Ayeyarwady					
Number of rice-cum-fish culture	*	-	-	2	3
Area of rice-cum-fish culture (acre)	5.78	-	-	102.67	108.45

Source: MCA 2010 Supplementary Module, SLRD

**Table S-06. Number and Surface Physical Area of Aqua-farms Operated by Special Aquaculture Holdings during the past 12 months, by Type of Water Used in the Aqua-farms, by Region/State, RoUM: 2010**

Region/State	Type of Water Used			
	Fresh water	Brackish water	Sea Water	Total
Union of Myanmar				
Number of aquafarms	719	113	18	850
Total Surface Physical Area (acre)	75,499.42	8,585.28	2,435.44	86,520.14
Kayah				
Number of aquafarms	4	-	-	4
Total Surface Physical Area (acre)	9.00	-	-	9.00
Kayin				
Number of aquafarms	14	-	-	14
Total Surface Physical Area (acre)	162.73	-	-	162.73
Sagaing				
Number of aquafarms	16	-	-	16
Total Surface Physical Area (acre)	459.61	-	-	459.61
Tanintharyi				
Number of aquafarms	-	-	2	2
Total Surface Physical Area (acre)	-	-	182.43	182.43
Bago East				
Number of aquafarms	10	-	-	10
Total Surface Physical Area (acre)	595.38	-	-	595.38
Mandalay				
Number of aquafarms	173	*	-	174
Total Surface Physical Area (acre)	2,543.89	0.70	-	2,544.59
Rakhine				
Number of aquafarms	9	80	-	89
Total Surface Physical Area (acre)	761.08	3,644.62	-	4,405.70
Yangon				
Number of aquafarms	192	29	15	236
Total Surface Physical Area (acre)	18,113.28	4,312.65	2,252.01	24,677.94
Shan South				
Number of aquafarms	14	-	-	14
Total Surface Physical Area (acre)	148.50	-	-	148.50
Shan North				
Number of aquafarms	6	-	-	6
Total Surface Physical Area (acre)	23.86	-	-	23.86
Shan East				
Number of aquafarms	10	-	-	10
Total Surface Physical Area (acre)	7.24	-	-	7.24
Ayeyarwady				
Number of aquafarms	271	3	*	275
Total Surface Physical Area (acre)	52,674.85	627.31	1.00	53,303.16

Source: MCA 2010 Supplementary Module, SLRD



**Table S-08. Number of Aquafarms Operated by Households during the past 12 months, by Means of Disposal of Main Specie Cultured, by Region/State, RoUM: 2010**

Region/State	Means of Disposal of Main Specie Cultured				Total Number of Aquafarms Reporting
	Consumed	Sold	Given Away	Other Means of Disposal	
Union of Myanmar	243	723	152	5	850
Kayah	*	*	-	-	4
Kayin	*	4	*	-	14
Sagaing	-	9	-	-	16
Tanintharyi	*	2	-	-	2
Bago East	5	8	6	-	10
Mandalay	7	163	*	-	174
Rakhine	27	78	*	-	89
Yangon	170	209	133	3	236
Shan South	10	6	2	-	14
Shan North	4	-	2	2	6
Shan East	6	2	4	-	10
Ayeyarwady	11	241	2	-	275

Source: MCA 2010 Supplementary Module, SLRD

**Table S-09. Number of Household Aquafarms Producing Fry and/or Fingerlings during the past 12 months, by Type of Aquaculture, by Region/State, RoUM: 2010**

Region/State	Producing	
	Fry	Fingerlings
Union of Myanmar		
Hatchery / Nursery	11	12
Fishpond	40	156
Sagaing		
Hatchery / Nursery	-	-
Fishpond	*	*
Fish Pen	-	-
Fish Cage	-	-
Bago East		
Hatchery / Nursery	*	*
Fishpond	*	*
Fish Pen	-	-
Fish Cage	-	-
Mandalay		
Hatchery / Nursery	4	3
Fishpond	9	22
Fish Pen	-	-
Fish Cage	-	-
Rakhine		
Hatchery / Nursery	-	-
Fishpond	*	38
Fish Pen	-	-
Fish Cage	-	-
Yangon		
Hatchery / Nursery	-	-
Fishpond	6	15
Fish Pen	-	-
Fish Cage	-	-
Ayeyarwady		
Hatchery / Nursery	6	8
Fishpond	22	79
Fish Pen	-	-
Fish Cage	-	-

Source: MCA 2010 Supplementary Module, SLRD

**Table S-10. Number of Outside Workers in the Household Aquaculture Holdings during the past 12 months, by Sex and Type of Workers, by Region/State, RoUM: 2010**

Region/State/Sex of Workers	Type of Workers			
	Manager	Aquafarm Laborer	Other Workers	Total Number of Workers
Union of Myanmar				
Total workers	344	7,976	4,766	13,086
Male workers	317	6,434	3,992	10,743
Female workers	27	2,323	783	3,133
Kayin				
Total workers	3	75	-	4
Male workers	3	44	-	4
Female workers	-	31	-	3
Sagaing				
Total workers	-	80	18	4
Male workers	-	78	18	4
Female workers	-	2	-	2
Tanintharyi				
Total workers	3	27	8	2
Male workers	3	85	3	2
Female workers	-	42	5	2
Bago East				
Total workers	10	45	10	8
Male workers	9	35	10	8
Female workers	*	10	-	5
Mandalay				
Total workers	39	1,666	419	141
Male workers	38	1,187	334	141
Female workers	*	479	85	126
Rakhine				
Total workers	25	250	193	75
Male workers	24	242	188	75
Female workers	*	8	5	5
Yangon				
Total workers	99	1,831	1,181	208
Male workers	95	1,402	1,024	207
Female workers	4	608	157	148
Shan South				
Total workers	6	52	6	6
Male workers	6	52	2	6
Female workers	-	-	4	2
Ayeyarwady				
Total workers	159	3,950	2,931	235
Male workers	139	3,309	2,413	235
Female workers	20	1,143	527	194

Source: MCA 2010 Supplementary Module, SLRD



## Information on village tracts

Table E-01 Number of Percentage of Village Tracts, by Mode of Transportation Facilities Reported within and between Regions/States in RoUM 2010

Region/State	Mode of Transportation Facilities											
	Bus		Train		Trolley		Motorcycle		Boat		Other Facility	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Union of Myanmar	3,020	26.7%	679	6.0%	7,307	64.7%	9,701	85.8%	4,029	35.7%	3,110	27.5%
Kachin	67	19.5%	19	5.5%	240	70.0%	296	86.3%	100	29.2%	108	31.5%
Kayah	9	22.5%	1	2.5%	37	92.5%	39	97.5%	4	10.0%	10	25.0%
Kayin	54	45.4%	0	0.0%	110	92.4%	112	94.1%	59	49.6%	22	18.5%
Chin	14	4.4%	1	0.3%	14	4.4%	142	44.7%	51	16.0%	185	58.2%
Sagaing	475	30.5%	130	8.3%	1,087	69.8%	1,422	91.3%	351	22.5%	418	26.8%
Tanintharyi	87	47.3%	8	4.3%	146	79.3%	172	93.5%	116	63.0%	30	16.3%
Bago East	156	25.0%	29	4.6%	467	74.8%	602	96.5%	293	47.0%	122	19.6%
Bago West	117	18.8%	40	6.4%	507	81.4%	583	93.6%	117	18.8%	107	17.2%
Magway	490	32.8%	143	9.6%	670	44.8%	1,382	92.5%	265	17.7%	441	29.5%
Mandalay	532	37.5%	121	8.5%	1,095	77.1%	1,337	94.2%	138	9.7%	280	19.7%
Mon	149	48.5%	46	15.0%	280	91.2%	296	96.4%	163	53.1%	52	16.9%
Rakhine	160	16.6%	14	1.5%	301	31.2%	501	52.0%	722	74.9%	262	27.2%
Yangon	180	31.9%	16	2.8%	428	75.9%	521	92.4%	320	56.7%	110	19.5%
Shan South	62	26.7%	27	11.6%	217	93.5%	226	97.4%	35	15.1%	72	31.0%
Shan North	175	29.0%	17	2.8%	558	92.4%	577	95.5%	32	5.3%	134	22.2%
Shan East	18	19.1%	3	3.2%	89	94.7%	93	98.9%	2	2.1%	31	33.0%
Ayeyarwady	275	15.2%	64	3.5%	1,061	58.5%	1,400	77.2%	1,261	69.6%	726	40.0%

Source: MCA 2010 Supplementary Module, SLRD

Table E-02 Number and Percentage of Village Tracts with Access to Communication Facilities within and between Regions/States, by Types of Transportation Facilities, by Regions/States in RoUM 2010

Region/State	Type of Communication Facilities									
	Post Office		Telegraph/Auto Exchange		Internet		Mobile Phone/Land Telephone		Other Types	
	No.	%	No.	%	No.	%	No.	%	No.	%
Union of Myanmar	669	5.9%	930	8.2%	103	0.9%	8,712	77.1%	344	3.0%
Kachin	25	7.3%	35	10.2%	3	0.9%	160	46.6%	19	5.5%
Kayah	5	12.5%	8	20.0%	0	0.0%	17	42.5%	2	5.0%
Kayin	16	13.4%	15	12.6%	2	1.7%	86	72.3%	19	16.0%
Chin	28	8.8%	25	7.9%	0	0.0%	77	24.2%	20	6.3%
Sagaing	90	5.8%	160	10.3%	14	0.9%	1,306	83.8%	40	2.6%
Tanintharyi	21	11.4%	19	10.3%	4	2.2%	159	86.4%	10	5.4%
Bago East	45	7.2%	72	11.5%	4	0.6%	480	76.9%	9	1.4%
Bago West	36	5.8%	58	9.3%	6	1.0%	459	73.7%	8	1.3%
Magway	79	5.3%	137	9.2%	5	0.3%	1,110	74.3%	29	1.9%
Mandalay	70	4.9%	106	7.5%	10	0.7%	1,244	87.6%	18	1.3%
Mon	32	10.4%	33	10.7%	11	3.6%	250	81.4%	3	1.0%
Rakhine	54	5.6%	42	4.4%	10	1.0%	771	80.0%	15	1.6%
Yangon	26	4.6%	62	11.0%	7	1.2%	474	84.0%	2	0.4%
Shan South	28	12.1%	18	7.8%	3	1.3%	122	52.6%	22	9.5%
Shan North	26	4.3%	24	4.0%	5	0.8%	323	53.5%	81	13.4%
Shan East	5	5.3%	14	14.9%	3	3.2%	37	39.4%	20	21.3%
Ayeyarwady	83	4.6%	102	5.6%	16	0.9%	1,637	90.3%	27	1.5%

Source: MCA 2010 Supplementary Module, SLRD

**Table E-03 Number and Percentage of Village Tracts with Existing Women's Organization, NGO and INGO within and between Regions/States in RoUM 2010**

Region/State	Presence of Women's Organization		Existence of NGO		Existence of INGO		Total	
	No.	%	No.	%	No.	%	No.	%
Union of Myanmar	10,310	61	6,033	36	586	3	16,929	100
Kachin	285	63	134	30	32	7	451	100
Kayah	31	69	11	24	3	7	45	100
Kayin	106	70	40	26	6	4	152	100
Chin	173	51	104	31	62	18	339	100
Sagaing	1,478	59	967	39	57	2	2,502	100
Tanintharyi	177	60	113	38	4	1	294	100
Bago East	590	67	277	31	14	2	881	100
Bago West	587	61	375	39	2	0	964	100
Magway	1,410	60	838	36	93	4	2,341	100
Mandalay	1,353	67	639	31	37	2	2,029	100
Mon	299	58	171	33	48	9	518	100
Rakhine	751	58	477	37	62	5	1,290	100
Yangon	555	63	294	33	33	4	882	100
Shan South	202	67	88	29	13	4	303	100
Shan North	457	64	201	28	54	8	712	100
Shan East	73	57	55	43	1	1	129	100
Ayeyarwady	1,783	58	1,249	40	65	2	3,097	100

Source: MCA 2010 Supplementary Module, SLRD

**Table E-04 Number and Percentage of Village Tracts Reporting Economic Activities within and between the Regions/States, by Economic Activities, by Region/State in RoUM 2010**

Region/State	Economic Activities											
	Crop Production		Fisheries & Aquaculture		Livestock & Poultry		Forestry		Non-Agriculture/ Fisheries/Forestry		Total	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Union of Myanmar	11,192	99.0%	1,799	15.9%	5,898	52.2%	2,076	18.4%	2,290	20.3%	11,301	100%
Kachin	338	98.5%	64	18.7%	200	58.3%	116	33.8%	77	22.4%	343	100%
Kayah	40	100.0%	6	15.0%	27	67.5%	20	50.0%	19	47.5%	40	100%
Kayin	117	98.3%	22	18.5%	49	41.2%	15	12.6%	39	32.8%	119	100%
Chin	313	98.4%	3	0.9%	100	31.4%	25	7.9%	15	4.7%	318	100%
Sagaing	1,529	98.1%	147	9.4%	858	55.1%	317	20.3%	345	22.1%	1,558	100%
Tanintharyi	182	98.9%	74	40.2%	111	60.3%	45	24.5%	64	34.8%	184	100%
Bago East	619	99.2%	60	9.6%	285	45.7%	81	13.0%	116	18.6%	624	100%
Bago West	618	99.2%	69	11.1%	238	38.2%	47	7.5%	70	11.2%	623	100%
Magway	1,485	99.4%	55	3.7%	884	59.2%	266	17.8%	238	15.9%	1,494	100%
Mandalay	1,410	99.3%	61	4.3%	904	63.7%	99	7.0%	286	20.1%	1,420	100%
Mon	304	99.0%	88	28.7%	194	63.2%	71	23.1%	123	40.1%	307	100%
Rakhine	956	99.2%	339	35.2%	441	45.7%	311	32.3%	181	18.8%	964	100%
Yangon	560	99.3%	171	30.3%	273	48.4%	34	6.0%	126	22.3%	564	100%
Shan South	230	99.1%	28	12.1%	126	54.3%	66	28.4%	71	30.6%	232	100%
Shan North	601	99.5%	25	4.1%	388	64.2%	329	54.5%	134	22.2%	604	100%
Shan East	93	98.9%	22	23.4%	63	67.0%	27	28.7%	19	20.2%	94	100%
Ayeyarwady	1,797	99.1%	565	31.2%	757	41.8%	207	11.4%	367	20.2%	1,813	100%

Source: MCA 2010 Supplementary Module, SLRD

**Table E-05 Number and Percentage of Village Tracts with and without Access to Public Market within and between the Regions/States in RoUM 2010**

Region/State	Village Tract					
	With Public Market		Without Public Market		Total	
	No.	%	No.	%	No.	%
Union of Myanmar	1,257	11.1%	10,044	88.9%	11,301	100.0%
Kachin	71	20.7%	272	79.3%	343	100.0%
Kayah	6	15.0%	34	85.0%	40	100.0%
Kayin	17	14.3%	102	85.7%	119	100.0%
Chin	6	1.9%	312	98.1%	318	100.0%
Sagaing	123	7.9%	1,435	92.1%	1,558	100.0%
Tanintharyi	40	21.7%	144	78.3%	184	100.0%
Bago East	56	9.0%	568	91.0%	624	100.0%
Bago West	39	6.3%	584	93.7%	623	100.0%
Magway	71	4.8%	1,423	95.2%	1,494	100.0%
Mandalay	138	9.7%	1,282	90.3%	1,420	100.0%
Mon	87	28.3%	220	71.7%	307	100.0%
Rakhine	189	19.6%	775	80.4%	964	100.0%
Yangon	55	9.8%	509	90.2%	564	100.0%
Shan South	56	24.1%	176	75.9%	232	100.0%
Shan North	128	21.2%	476	78.8%	604	100.0%
Shan East	14	14.9%	80	85.1%	94	100.0%
Ayeyarwady	161	8.9%	1,652	91.1%	1,813	100.0%

Source: MCA 2010 Supplementary Module, SLRD

**Table E-06 Number and Percentage of Village Tract with Access to Schools within and between the Regions/States, by Types of School, by Region/State in RoUM 2010**

Region/State	Type of School											
	Primary School		Middle School		High School		College/University		Other Schools		Total	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Union of Myanmar	10,764	95.2%	2,904	25.7%	1,140	10.1%	95	0.8%	1,033	9.1%	11,301	100.0%
Kachin	313	91.3%	132	38.5%	36	10.5%	5	1.5%	22	6.4%	343	100.0%
Kayah	36	90.0%	22	55.0%	4	10.0%	1	2.5%	4	10.0%	40	100.0%
Kayin	119	100.0%	45	37.8%	27	22.7%	3	2.5%	23	19.3%	119	100.0%
Chin	287	90.3%	79	24.8%	29	9.1%	0	0.0%	24	7.5%	318	100.0%
Sagaing	1,456	93.5%	530	34.0%	149	9.6%	8	0.5%	99	6.4%	1,558	100.0%
Tanintharyi	179	97.3%	85	46.2%	32	17.4%	6	3.3%	17	9.2%	184	100.0%
Bago East	587	94.1%	170	27.2%	83	13.3%	4	0.6%	44	7.1%	624	100.0%
Bago West	607	97.4%	144	23.1%	65	10.4%	3	0.5%	25	4.0%	623	100.0%
Magway	1,418	94.9%	348	23.3%	123	8.2%	6	0.4%	134	9.0%	1,494	100.0%
Mandalay	1,352	95.2%	308	21.7%	125	8.8%	16	1.1%	61	4.3%	1,420	100.0%
Mon	301	98.0%	79	25.7%	61	19.9%	6	2.0%	25	8.1%	307	100.0%
Rakhine	930	96.5%	148	15.4%	68	7.1%	5	0.5%	61	6.3%	964	100.0%
Yangon	526	93.3%	136	24.1%	75	13.3%	10	1.8%	49	8.7%	564	100.0%
Shan South	224	96.6%	93	40.1%	40	17.2%	2	0.9%	38	16.4%	232	100.0%
Shan North	556	92.1%	112	18.5%	41	6.8%	3	0.5%	64	10.6%	604	100.0%
Shan East	86	91.5%	18	19.1%	5	5.3%	3	3.2%	8	8.5%	94	100.0%
Ayeyarwady	1,787	98.6%	455	25.1%	177	9.8%	14	0.8%	335	18.5%	1,813	100.0%

Source: MCA 2010 Supplementary Module, SLRD



**Table E-07 Number and Percentage of Village Tracts Reporting Portable Drinking Water by Sources of Drinking Water within and between the Regions/States in RoUM 2010**

Region/State	Source of Drinking Water									
	Tubed/Piped		Well		Water Pond		Creek		Total	
	No.	%	No.	%	No.	%	No.	%	No.	%
Union of Myanmar	5,477	48.5%	7,749	68.6%	4,491	39.7%	3,766	33.3%	11,301	100.0%
Kachin	124	36.2%	257	74.9%	19	5.5%	177	51.6%	343	100.0%
Kayah	17	42.5%	27	67.5%	16	40.0%	20	50.0%	40	100.0%
Kayin	36	30.3%	115	96.6%	11	9.2%	20	16.8%	119	100.0%
Chin	96	30.2%	22	6.9%	18	5.7%	101	31.8%	318	100.0%
Sagaing	750	48.1%	1,288	82.7%	436	28.0%	460	29.5%	1,558	100.0%
Tanintharyi	65	35.3%	182	98.9%	37	20.1%	61	33.2%	184	100.0%
Bago East	348	55.8%	417	66.8%	270	43.3%	148	23.7%	624	100.0%
Bago West	470	75.4%	548	88.0%	274	44.0%	164	26.3%	623	100.0%
Magway	796	53.3%	1,164	77.9%	446	29.9%	607	40.6%	1,494	100.0%
Mandalay	849	59.8%	1,105	77.8%	507	35.7%	297	20.9%	1,420	100.0%
Mon	103	33.6%	277	90.2%	98	31.9%	64	20.8%	307	100.0%
Rakhine	168	17.4%	473	49.1%	795	82.5%	160	16.6%	964	100.0%
Yangon	324	57.4%	226	40.1%	449	79.6%	99	17.6%	564	100.0%
Shan South	88	37.9%	151	65.1%	89	38.4%	139	59.9%	232	100.0%
Shan North	164	27.2%	342	56.6%	163	27.0%	323	53.5%	604	100.0%
Shan East	43	45.7%	71	75.5%	13	13.8%	39	41.5%	94	100.0%
Ayeyarwady	1,036	57.1%	1,084	59.8%	850	46.9%	887	48.9%	1,813	100.0%

Source: MCA 2010 Supplementary Module, SLRD

**Table E-08 Number and Percentage of Village Tracts with Access to Health Facilities within and between the Regions/States, by Type of Health Facilities, by Region/State in RoUM 2010**

Region/State	Type of Health Facilities									
	Hospital		Clinic		Health Center		Other Types		Total	
	No.	%	No.	%	No.	%	No.	%	No.	%
Union of Myanmar	482	4.3%	3,070	27.2%	4,789	42.4%	817	7.2%	11,301	100.0%
Kachin	17	5.0%	105	30.6%	165	48.1%	49	14.3%	343	100.0%
Kayah	4	10.0%	16	40.0%	22	55.0%	2	5.0%	40	100.0%
Kayin	7	5.9%	49	41.2%	53	44.5%	12	10.1%	119	100.0%
Chin	14	4.4%	42	13.2%	128	40.3%	23	7.2%	318	100.0%
Sagaing	73	4.7%	412	26.4%	739	47.4%	139	8.9%	1,558	100.0%
Tanintharyi	15	8.2%	90	48.9%	102	55.4%	7	3.8%	184	100.0%
Bago East	32	5.1%	164	26.3%	308	49.4%	26	4.2%	624	100.0%
Bago West	30	4.8%	151	24.2%	276	44.3%	16	2.6%	623	100.0%
Magway	46	3.1%	365	24.4%	510	34.1%	50	3.3%	1,494	100.0%
Mandalay	58	4.1%	404	28.5%	584	41.1%	51	3.6%	1,420	100.0%
Mon	16	5.2%	127	41.4%	204	66.4%	7	2.3%	307	100.0%
Rakhine	35	3.6%	232	24.1%	231	24.0%	221	22.9%	964	100.0%
Yangon	24	4.3%	158	28.0%	279	49.5%	26	4.6%	564	100.0%
Shan South	12	5.2%	78	33.6%	152	65.5%	20	8.6%	232	100.0%
Shan North	25	4.1%	153	25.3%	215	35.6%	80	13.2%	604	100.0%
Shan East	4	4.3%	30	31.9%	54	57.4%	5	5.3%	94	100.0%
Ayeyarwady	70	3.9%	494	27.2%	767	42.3%	83	4.6%	1,813	100.0%

Source: MCA 2010 Supplementary Module, SLRD



**Table E-09 Number and Percentage of Village Tracts Prone to Disaster within the last 5 Years, by Number of Times of Disaster, by Region/State in RoUM 2010**

Region/State	Number of Times of Disaster					
	2-3 times		More than 3 times		Total	
	No.	%	No.	%	No.	%
Union of Myanmar	3675	98.3%	64	1.7%	3,739	100.0%
Kachin	47	87.0%	7	13.0%	54	100.0%
Kayah	6	100.0%	0	0.0%	6	100.0%
Kayin	11	78.6%	3	21.4%	14	100.0%
Chin	160	97.6%	4	2.4%	164	100.0%
Sagaing	166	98.8%	2	1.2%	168	100.0%
Tanintharyi	27	96.4%	1	3.6%	28	100.0%
Bago East	291	98.3%	5	1.7%	296	100.0%
Bago West	32	97.0%	1	3.0%	33	100.0%
Magway	264	98.5%	4	1.5%	268	100.0%
Mandalay	206	92.4%	17	7.6%	223	100.0%
Mon	125	100.0%	0	0.0%	125	100.0%
Rakhine	598	98.0%	12	2.0%	610	100.0%
Yangon	530	99.3%	4	0.7%	534	100.0%
Shan South	39	100.0%	0	0.0%	39	100.0%
Shan North	60	98.4%	1	1.6%	61	100.0%
Shan East	20	100.0%	0	0.0%	20	100.0%
Ayeyarwady	1093	99.7%	3	0.3%	1,096	100.0%

Source: MCA 2010 Supplementary Module, SLRD

Table E-10 Number and Percentage of Village Tracts Reporting Agro-Processing Equipment/Machines, by Kinds of Agro-Processing Equipment/Machines, within and between the Regions/States in RoUM 2010

Region/State	Kind of Agro-Processing Equipment/Machines															
	Thresher		Rice Mill		Sugar Mill		Edible Oil Mill		Crop Dryer		Feed Mill		Others		Total	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Union of Myanmar	6,011	53.2%	7,980	70.6%	69	0.6%	2,242	19.8%	96	0.8%	625	5.5%	1,113	9.8%	11,301	100.0%
Kachin	188	54.8%	242	70.6%	2	0.6%	91	26.5%	2	0.6%	1	0.3%	26	7.6%	343	100.0%
Kayah	23	57.5%	24	60.0%	0	0.0%	9	22.5%	0	0.0%	1	2.5%	6	15.0%	40	100.0%
Kayin	81	68.1%	93	78.2%	1	0.8%	17	14.3%	0	0.0%	0	0.0%	7	5.9%	119	100.0%
Chin	0	0.0%	147	46.2%	0	0.0%	21	6.6%	0	0.0%	2	0.6%	35	11.0%	318	100.0%
Sagaing	1,144	73.4%	785	50.4%	13	0.8%	594	38.1%	10	0.6%	107	6.9%	266	17.1%	1,558	100.0%
Tanintharyi	122	66.3%	144	78.3%	0	0.0%	5	2.7%	2	1.1%	2	1.1%	9	4.9%	184	100.0%
Bago East	416	66.7%	511	81.9%	6	1.0%	49	7.9%	4	0.6%	6	1.0%	45	7.2%	624	100.0%
Bago West	444	71.3%	526	84.4%	2	0.3%	34	5.5%	11	1.8%	2	0.3%	21	3.4%	623	100.0%
Magway	669	44.8%	931	62.3%	6	0.4%	598	40.0%	7	0.5%	328	22.0%	123	8.2%	1,494	100.0%
Mandalay	761	53.6%	768	54.1%	14	1.0%	445	31.3%	17	1.2%	130	9.2%	165	11.6%	1,420	100.0%
Mon	47	15.3%	241	78.5%	2	0.7%	18	5.9%	0	0.0%	3	1.0%	27	8.8%	307	100.0%
Rakhine	47	4.9%	819	85.0%	6	0.6%	42	4.4%	1	0.1%	3	0.3%	79	8.2%	964	100.0%
Yangon	340	60.3%	494	87.6%	0	0.0%	8	1.4%	3	0.5%	10	1.8%	18	3.2%	564	100.0%
Shan South	93	40.1%	168	72.4%	5	2.2%	62	26.7%	5	2.2%	2	0.9%	17	7.3%	232	100.0%
Shan North	330	54.6%	510	84.4%	4	0.7%	80	13.2%	13	2.2%	9	1.5%	74	12.3%	604	100.0%
Shan East	32	34.0%	87	92.6%	0	0.0%	1	1.1%	1	1.1%	1	1.1%	7	7.4%	94	100.0%
Ayeyarwady	1,274	70.3%	1,490	82.2%	8	0.4%	168	9.3%	20	1.1%	18	1.0%	188	10.4%	1,813	100.0%

Source: MCA 2010 Supplementary Module, SLRD

## **ANNEX III**

# **Computed standard errors and coefficients of variation**

**Computed Standard Errors and Coefficients of Variation on the Area of Small Agricultural Holdings**  
(Myanmar Census of Agriculture 2010)

**Kachin State**

No.	Township	Estimated (total small agricultural holdings)	Actual (total sample small agricultural holdings reporting)	Total Unweighted Physical Area of the Sample Agricultural Holdings (Acre)	Lowest Crop Holding Area (Acre)	Highest Crop Holding Area (Acre)	Standard Error	Coefficient of Variation (%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Myitkyina	1663	499	4180.18	0.50	38.00	1.664439	0.398174
2	Waingmaw	3258	1080	6166.36	0.50	37.00	0.554241	0.170775
3	In Jan Yang	47	16	64.50	1.75	11.00	1.488246	4.614717
4	Tanai	271	91	330.75	0.50	34.15	1.292959	0.781834
5	Chipwi	103	34	94.60	0.50	8.00	0.299835	1.267801
6	Sinbo	134	46	281.40	1.50	30.00	2.331113	1.656797
7	Sadon	98	33	83.50	1.00	7.00	0.245923	0.883557
8	Mohnyin	2865	952	7255.14	0.50	43.00	0.483380	0.153239
9	Mogaung	2270	770	6089.85	0.10	45.00	0.569025	0.140157
10	Hpakan	1320	422	2067.83	0.25	30.00	0.552855	0.267360
11	Hopin	441	148	1154.27	1.00	25.77	0.454897	0.197050
12	Kamaing	475	156	1242.17	0.70	35.02	0.412535	0.099632
13	Bhamo	1042	369	1501.42	0.50	48.50	0.301556	0.261102
14	Shwegu	1374	456	2566.74	0.50	35.57	0.485179	0.283538
15	Momauk	1380	461	1791.66	0.12	16.00	0.366889	0.204776
16	Mansi	1187	397	1745.42	1.00	20.00	0.444216	0.279954
17	Loijij	147	49	298.25	2.00	10.50	0.336810	0.338787
18	Daw Phone Yan	615	203	888.90	0.50	41.50	0.648988	0.730102
19	Putao	2362	787	1922.78	0.20	10.50	0.132296	0.151370
20	Sumprabun	127	41	236.54	2.00	13.00	0.801035	2.370529
21	Machabaw	468	154	546.16	0.50	9.60	0.313890	0.344833
22	Nawngmun	200	66	269.79	1.44	8.80	0.290599	0.538565
23	Khaunglanhpu	392	131	674.71	0.50	15.50	0.535436	2.063307

Source: MCA 2010 Supplementary Module, SLRD

**Computed Standard Errors and Coefficients of Variation on the Area of Small Agricultural Holdings  
(Myanmar Census of Agriculture 2010)**

**Kayah State**

No.	Township	Estimated (total small agricultural holdings)	Actual (total sample small agricultural holdings reporting)	Total Unweighted Physical Area of the Sample Agricultural Holdings (Acre)	Lowest Crop Holding Area (Acre)	Highest Crop Holding Area (Acre)	Standard Error	Coefficient of Variation (%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Loikaw	1962	674	3196.08	0.90	20.00	0.222778	0.132437
2	Demoso	2189	733	2513.45	0.25	30.50	0.227399	0.199041
3	Mese	48	16	91.50	1.00	14.50	0.768587	1.679972

Source: MCA 2010 Supplementary Module, SLRD

**Computed Standard Errors and Coefficients of Variation on the Area of Small Agricultural Holdings  
(Myanmar Census of Agriculture 2010)**

**Kayin State**

No.	Township	Estimated (total small agricultural holdings)	Actual (total sample small agricultural holdings reporting)	Total Unweighted Physical Area of the Sample Agricultural Holdings (Acre)	Lowest Crop Holding Area (Acre)	Highest Crop Holding Area (Acre)	Standard Error	Coefficient of Variation (%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Hpa-An	5564	1882	7269.86	0.10	47.00	0.110265	0.103138
2	Hlaingbwe	532	175	931.18	0.58	21.59	0.516078	0.498797
3	Kawkareik	1394	465	2271.98	0.50	23.00	0.417715	0.312554
4	Myawaddy	343	113	570.30	1.25	10.20	0.528346	0.277931

Source: MCA 2010 Supplementary Module, SLRD



**Computed Standard Errors and Coefficients of Variation on the Area of Small Agricultural Holdings  
(Myanmar Census of Agriculture 2010)**

Chin State

No.	Township	Estimated (total small agricultural holdings)	Actual (total small agricultural holdings reporting)	Total Unweighted Physical Area of the Sample Agricultural Holdings (Acre)	Lowest Crop Holding Area (Acre)	Highest Crop Holding Area (Acre)	Standard Error	Coefficient of Variation (%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Falam	510	169	540.37	0.64	8.50	0.301534	0.781221
2	Hakha	1079	354	821.49	0.35	5.27	0.125297	0.213533
3	Htantlang	1572	526	1389.64	0.50	7.75	0.129832	0.158829
4	Tiddim	358	118	303.21	1.00	9.00	0.250269	0.577779
5	Tonzang	436	145	518.54	0.70	19.00	0.833544	1.285985
6	Kyi Kha	450	151	247.89	0.50	4.90	0.122268	0.295940
7	Rih Khaw Dar	121	38	100.73	0.25	6.00	0.238274	0.709641
8	Mindat	876	292	660.46	0.25	8.00	0.160900	0.584682
9	Madupi	1435	479	1204.10	0.30	6.00	0.171289	0.312960
10	Kanpetlet	395	131	422.93	1.00	10.00	0.245588	0.754888
11	Paletwa	2764	918	2079.65	0.20	35.00	0.087827	0.312515
12	Re Zua	544	179	687.35	0.10	9.01	0.280830	0.204285

Source: MCA 2010 Supplementary Module, SLRD

**Computed Standard Errors and Coefficients of Variation on the Area of Samll Agricultural Holdings  
(Myanmar Census of Agriculture 2010)**

**Sagaing Region**

No.	Township	Estimated (total small agricultural holdings)	Actual (total sample small agricultural holdings reporting)	Total Unweighted Physical Area of the Sample Agricultural Holdings (Acre)	Lowest Crop Holding Area (Acre)	Highest Crop Holding Area (Acre)	Standard Error	Coefficient of Variation (%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Sagaing	3495	1166	11389.03	0.25	47.42	0.816029	0.257941
2	Myinnu	1675	559	6217.92	0.25	46.99	0.894678	0.244608
3	Myaung	1558	515	3510.58	0.52	43.25	0.776144	0.331631
4	Shw ebo	5554	1869	18754.37	0.20	49.00	0.766665	0.212572
5	Khin-U	5167	1725	17118.03	0.56	49.98	1.106432	0.187443
6	Wetlet	7418	2548	27923.26	0.30	48.11	0.738889	0.124369
7	Karbalu	7912	2664	35544.36	0.74	1606.93	1.272034	0.196830
8	Kyunkha	2381	822	6539.23	0.10	35.45	0.743156	0.261385
9	Ye-U	3904	1308	7669.66	0.25	41.40	0.414396	0.210719
10	Tabayin	4437	1485	14754.83	0.50	48.00	0.997954	0.277307
11	Taze	7197	2301	15986.38	0.23	37.35	0.478281	0.119672
12	Monyw a	1805	608	3158.95	0.47	28.15	0.575272	0.582747
13	Budalin	3493	1179	13810.03	0.25	48.82	0.935397	0.250613
14	Ayadaw	2442	825	9086.13	0.50	46.71	0.788219	0.277599
15	Chaung-U	2465	699	5697.99	0.15	44.36	0.780992	0.274129
16	Yinnablin	2335	779	6958.22	0.50	46.60	0.728132	0.313930
17	Kani	2648	890	7171.64	0.15	46.06	0.684792	0.362847
18	Salinyi	1227	409	4773.15	0.24	48.48	1.037056	0.608352
19	Pale	4371	1463	14499.39	0.50	45.67	0.696054	0.196824
20	Katha	3468	1173	8477.72	0.35	48.00	0.538531	0.184217
21	Indaw	2856	991	5771.03	0.50	30.00	0.333871	0.179344
22	Tigyaing	1226	411	4071.96	1.00	40.00	1.517397	0.745291
23	Banmauk	2944	871	2914.44	0.49	31.00	0.147851	0.223215
24	Kaw lin	4135	1391	11142.76	0.27	35.21	0.453125	0.170795
25	Wuntho	1950	519	3715.87	0.48	40.13	0.383920	0.371948
26	Pinlebu	3695	1251	4835.44	0.50	19.50	0.206260	0.226076
27	Kale	5636	1888	15346.89	0.50	48.85	0.408837	0.093239
28	Kalew a	1342	449	2228.27	0.15	20.93	0.280574	0.314789
29	Mingin	3429	1150	5941.86	0.50	25.00	0.293031	0.192334
30	Tamu	362	126	923.11	1.00	27.23	0.747731	0.405006
31	Myo Thit	307	103	817.75	2.00	27.75	0.989320	0.483923
32	Kham Pat	233	78	749.63	1.00	30.00	0.960125	0.640399
33	Maw laik	959	320	1633.35	0.82	37.04	0.503532	0.462422
34	Faungbyin	2324	784	4771.23	1.00	41.00	0.336179	0.253655
35	Hkamti	611	206	669.07	1.00	13.38	0.356309	0.585798
36	Homalin	4324	1477	7686.92	0.50	28.00	0.216341	0.180122
37	Lay Shi	102	34	95.90	0.50	9.40	0.464946	1.939297
38	Nanyun	552	183	570.64	0.45	6.00	0.244591	0.428626
39	Pan Saung	519	170	719.31	1.00	15.00	0.271690	0.151084

Source: MCA 2010 Supplementary Module, SLRD

**Computed Standard Errors and Coefficients of Variation on the Area of Small Agricultural Holdings**  
(Myanmar Census of Agriculture 2010)

**Tanintharyi Region**

No.	Township	Estimated (total small agricultural holdings)	Actual (total sample small agricultural holdings reporting)	Total Unweighted Physical Area of the Sample Agricultural Holdings (Acre)	Lowest Crop Holding Area (Acre)	Highest Crop Holding Area (Acre)	Standard Error	Coefficient of Variation (%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Dawei	1246	415	2328.03	0.05	37.50	0.557106	0.191443
2	Launglon	2043	739	4307.38	0.05	40.00	0.421531	0.205511
3	Thayetchaung	2208	736	3094.48	0.06	30.00	0.394237	0.152880
4	Yebyu	1480	489	4351.69	0.15	219.50	0.680194	0.250089
5	Myint Tar	194	65	356.50	1.00	25.00	0.671431	0.565019
6	Ka Laie Aung	222	74	510.00	2.00	40.00	1.003685	0.590403
7	Myeik	2233	740	4893.86	0.10	46.00	0.522780	0.288424
8	Kyunsu	1334	445	1655.20	1.00	49.00	0.555392	0.536870
9	Palaw	2389	794	3549.82	0.06	42.00	0.355529	0.150231
10	Tanintharyi	1969	683	3325.79	0.50	47.03	0.465238	0.307754
11	Pa Lauk	459	152	970.74	0.45	48.00	0.644062	0.398085
12	Kawthoung	227	74	612.05	1.00	30.00	0.991378	1.295814
13	Bokpyin	327	112	861.55	1.00	33.00	1.321352	1.226953
14	Pyigyimandaing	301	99	974.00	1.50	45.00	0.859200	0.352854

Source: MCA 2010 Supplementary Module, SLRD

**Computed Standard Errors and Coefficients of Variation on the Area of Small Agricultural Holdings  
(Myanmar Census of Agriculture 2010)**

Bago (East) Region

No.	Township	Estimated (total small agricultural holdings)	Actual (total small agricultural holdings reporting)	Total Unweighted Physical Area of the Sample Agricultural Holdings (Acre)	Lowest Crop Holding Area (Acre)	Highest Crop Holding Area (Acre)	Standard Error	Coefficient of Variation (%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Bago	3460	1038	8751.72	0.50	45.00	0.380154	0.186782
2	Thanatpin	1947	641	7088.49	0.20	48.00	0.674578	0.237913
3	Kawa	4455	1455	13909.33	0.50	59.05	0.468887	0.151696
4	Waw	3294	1087	10436.23	1.00	47.00	0.520506	0.149625
5	Nyaunglebin	2816	930	8578.68	0.15	48.35	0.432931	0.176631
6	Kyauktaga	3839	1291	9731.29	0.60	45.05	0.277003	0.176484
7	Daik-U	3816	1268	14174.75	1.00	46.03	0.504257	0.135182
8	Shwegyin	643	218	2066.00	2.00	45.00	1.024958	0.694550
9	Taungoo	3203	1079	6163.28	0.30	48.00	0.265995	0.220106
10	Yedashe	4313	1412	10048.09	0.50	47.68	0.305349	0.191449
11	Phyu	5133	1725	10697.62	0.25	46.80	0.323800	0.242100
12	Oktwin	3585	1192	9619.22	0.50	45.00	0.766400	0.414300
13	Tantabin	2484	827	5199.26	0.25	44.35	0.281123	0.102733

Source: MCA 2010 Supplementary Module, SLRD

**Computed Standard Errors and Coefficients of Variation on the Area of Small Agricultural Holdings  
(Myanmar Census of Agriculture 2010)**

**Bago (West) Region**

No.	Township	Estimated (total small agricultural holdings)	Actual (total sample small agricultural holdings reporting)	Total Unweighted Physical Area of the Sample Agricultural Holdings (Acre)	Lowest Crop Holding Area (Acre)	Highest Crop Holding Area (Acre)	Standard Error	Coefficient of Variation (%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Pyay	3536	1174	6644.18	0.25	35.00	0.260890	0.219890
2	Paukhaung	3414	1123	4767.51	0.35	35.68	0.333775	0.329049
3	Padaung	3402	1132	6691.87	0.21	22.50	0.383795	0.212204
4	Paungde	4508	1524	12478.60	0.25	46.67	0.478356	0.187837
5	Thegon	4533	1514	8122.70	0.12	46.20	0.331020	0.281192
6	Shwedaung	3352	1119	6304.84	0.25	43.00	0.330930	0.288685
7	Thayarwady	2440	813	7083.54	0.25	49.00	0.398036	0.275339
8	Letpadan	3040	1011	7438.22	1.00	45.00	0.352322	0.288935
9	Minhla	2613	873	6143.18	0.22	30.12	0.252492	0.205506
10	Okpho	3741	1249	8596.92	0.30	40.00	0.230142	0.141883
11	Zigon	1822	606	3937.04	0.05	40.00	0.354640	0.243210
12	Nattalin	4976	1905	8893.93	0.15	44.00	0.722911	0.552714
13	Monyo	1756	586	4241.17	0.50	39.00	0.501294	0.366411
14	Gyobingauk	3187	1067	7338.70	0.30	45.00	0.281139	0.206869

Source: MCA 2010 Supplementary Module, SLRD



**Computed Standard Errors and Coefficients of Variation on the Area of Small Agricultural Holdings  
(Myanmar Census of Agriculture 2010)**

**Magway Region**

No.	Township	Estimated (total small agricultural holdings)	Actual (total sample small agricultural holdings reporting)	Total Unweighted Physical Area of the Sample Agricultural Holdings (Acre)	Lowest Crop Holding Area (Acre)	Highest Crop Holding Area (Acre)	Standard Error	Coefficient of Variation (%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Magway	3313	1137	10001.97	0.50	48.50	1.319793	0.554204
2	Yenangyaung	756	253	1213.65	0.15	40.00	1.148906	1.609309
3	Chauk	1698	567	5959.58	0.00	46.00	0.655868	0.418200
4	Taungdwingyi	6195	2015	11566.02	0.12	45.30	0.447922	0.213001
5	Myothit	4008	1333	8027.33	0.30	40.56	0.377985	0.164805
6	Natnauk	5607	1871	12601.44	0.45	49.55	0.399898	0.155498
7	Minbu	2576	858	7988.21	0.50	45.51	0.932775	0.326953
8	Pwintbyu	4280	1424	8356.75	0.50	46.67	0.352445	0.172917
9	Ngape	1652	548	2025.99	0.50	22.91	0.368791	0.382263
10	Salin	6812	2281	12972.33	0.20	36.10	0.262677	0.166042
11	Sidoktaya	1012	338	898.20	0.20	22.00	0.247993	0.579811
12	Thayet	2945	981	3813.72	0.30	16.75	0.195128	0.168844
13	Minhla	2490	829	3763.54	0.50	24.00	0.311517	0.206931
14	Mindon	2788	929	2608.78	0.50	10.25	0.141153	0.194785
15	Kamma	2024	678	3932.49	0.24	32.51	0.397019	0.312972
16	Aunglan	4260	1422	8964.06	0.20	35.00	0.488035	0.266773
17	Sinbaungwe	2424	799	5775.25	0.10	30.27	0.599337	0.269820
18	Pakokku	2239	744	5850.16	0.20	46.00	0.696504	0.452418
19	Yesagyo	3500	1166	4457.18	0.15	20.40	0.310081	0.333930
20	Myaing	4659	1563	13332.97	0.45	48.50	0.480530	0.259493
21	Pauk	1898	631	3776.03	0.21	30.25	0.516732	0.533697
22	Seikphyu	2451	813	5850.64	0.10	45.11	1.674164	0.858452
23	Gangaw	2633	864	5421.81	0.17	41.14	1.128757	0.458014
24	Tilin	2133	710	2929.17	0.25	29.67	0.360388	0.233765
25	Saw	1446	481	1391.11	0.09	13.43	0.271357	0.273092
26	Kyauk Tu	1122	374	2478.08	0.10	40.00	2.749146	0.998447

Source: MCA 2010 Supplementary Module, SLRD

**Computed Standard Errors and Coefficients of Variation on the Area of Small Agricultural Holdings  
(Myanmar Census of Agriculture 2010)**

**Mandalay Region**

No.	Township	Estimated (total small agricultural holdings)	Actual (total sample small agricultural holdings reporting)	Total Unweighted Physical Area of the Sample Agricultural Holdings (Acre)	Lowest Crop Holding Area (Acre)	Highest Crop Holding Area (Acre)	Standard Error	Coefficient of Variation (%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Amarapura	1383	461	2524.49	0.30	47.91	0.492981	0.527254
2	Patheingyi	1974	656	3125.91	0.50	40.00	0.271254	0.216940
3	Pyinoolwin	936	312	871.35	0.50	34.00	0.477309	0.931228
4	Madaya	2928	977	5972.91	0.11	32.00	0.354301	0.266931
5	Singu	2296	763	4058.56	0.50	45.00	0.510800	0.339815
6	Mogoke	983	328	815.06	0.50	18.00	0.274236	0.605630
7	Thabeikkyin	374	125	1523.01	2.00	32.06	1.550657	1.119968
8	Ta Kaung	95	31	362.00	0.75	45.00	2.353420	2.600464
9	Kyaukse	4608	1531	6349.01	0.25	39.00	0.207141	0.150079
10	Sintgaing	2555	850	4042.15	0.45	27.00	0.246076	0.200896
11	Myiththa	5136	1720	6608.60	0.25	45.00	0.216530	0.153995
12	Tada-U	1527	510	2600.72	0.50	24.00	0.482916	0.352802
13	Myingyan	1648	550	3931.82	1.00	32.50	0.377629	0.220902
14	Taungtha	1769	589	4183.49	0.26	36.00	0.672562	0.514450
15	Natogyi	1587	524	3966.10	0.42	45.00	0.733255	0.406737
16	Kyaukpadaung	2877	962	4485.40	0.12	25.38	0.365508	0.309656
17	Ngazun	1205	402	2402.43	0.50	25.00	0.462925	0.385381
18	Nyaung-U	2350	781	6857.55	0.50	60.50	0.453536	0.218251
19	Nga Tha Yauk	290	96	989.00	1.00	30.00	1.367025	0.829338
20	Yamethin	7480	2484	11516.32	0.25	32.00	0.238733	0.109869
21	Pyawbwe	6787	2269	11149.06	0.00	170.06	0.251490	0.155644
22	Meiktila	3143	1056	6274.32	0.40	30.00	0.300767	0.311586
23	Mahlaing	951	317	3184.91	0.30	48.46	0.682798	0.707472
24	Thazi	4275	1421	8234.59	0.50	45.00	0.392552	0.247890
25	Wundwin	7562	2517	11749.61	0.25	30.00	0.192347	0.075304
26	Tatkon	7431	2475	9716.31	0.25	30.00	0.177590	0.087732
27	Pyinmana	3822	1280	5732.24	0.25	45.00	0.305100	0.303384
28	Lewe	6004	1982	7656.28	0.42	35.00	0.228619	0.176176

Source: MCA 2010 Supplementary Module, SLRD

**Computed Standard Errors and Coefficients of Variation on the Area of Small Agricultural Holdings**  
(Myanmar Census of Agriculture 2010)

Mon State

No.	Township	Estimated (total small agricultural holdings)	Actual (total sample small agricultural holdings reporting)	Total Unweighted Physical Area of the Sample Agricultural Holdings (Acre)	Lowest Crop Holding Area (Acre)	Highest Crop Holding Area (Acre)	Standard Error	Coefficient of Variation (%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Mawlamyine	810	273	1703.78	0.10	32.00	1.227643	0.648487
2	Kyaikmaraw	4778	1553	18066.59	0.20	49.50	1.065716	0.182863
3	Chauzgon	2722	901	7960.45	0.50	45.05	0.699956	0.149480
4	Thanbyuzayat	2471	824	6277.11	0.48	43.00	0.968459	0.123427
5	Mudon	3277	1091	10761.23	0.20	49.00	0.881099	0.098253
6	Ye	3096	1031	8955.47	0.50	43.00	0.944167	0.115972
7	La Myine	3018	1007	8975.20	1.00	45.00	1.856832	0.103442
8	Khaw Zar	370	80	1120.50	2.00	26.00	1.675598	0.299080
9	Thaton	2362	785	8252.74	0.05	49.50	1.100102	0.413235
10	Paung	3297	1096	15795.65	0.20	48.11	0.888865	0.180073
11	Kyaikto	1547	512	5428.02	0.30	48.00	2.196363	0.485561
12	Bilin	1855	618	5455.89	0.15	45.00	0.995043	0.364759

Source: MCA 2010 Supplementary Module, SLRD

**Computed Standard Errors and Coefficients of Variation on the Area of Small Agricultural Holdings  
(Myanmar Census of Agriculture 2010)**

**Rakhine State**

No.	Township	Estimated (total small agricultural holdings)	Actual (total sample small agricultural holdings reporting)	Total Unweighted Physical Area of the Sample Agricultural Holdings (Acre)	Lowest Crop Holding Area (Acre)	Highest Crop Holding Area (Acre)	Standard Error	Coefficient of Variation (%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Sittwe	776	191	837.77	0.20	20.00	0.481089	0.976225
2	Ponnagyun	1997	599	3417.52	0.40	32.00	0.469103	0.507877
3	Mrauk-U	2611	876	5476.14	0.12	41.20	0.433312	0.395637
4	Kyauktaw	2790	923	3970.62	0.50	34.50	0.197990	0.274251
5	Minbya	3093	1031	6015.28	0.40	43.20	0.461806	0.353152
6	Myebon	2679	960	4852.77	1.00	35.50	0.429668	0.247914
7	Pauktaw	1860	615	3733.19	0.30	38.60	0.603771	0.598403
8	Rathedaung	2696	916	3776.59	0.40	24.00	0.283478	0.277729
9	Maungdaw	7078	2382	5017.23	0.05	25.00	0.132799	0.179987
10	Buthidaung	4575	1512	4359.03	0.20	35.00	0.144461	0.225356
11	Taung Pro La Way	750	250	577.45	0.20	20.00	0.340790	0.413115
12	Kyaukpyu	4354	1465	3413.84	0.20	20.00	0.101111	0.159937
13	Munaung	1895	629	2454.48	0.61	12.80	0.158443	0.180747
14	Ramree	2901	969	2774.00	0.15	16.00	0.167882	0.248132
15	Ann	2906	970	3102.15	0.20	30.00	0.158201	0.198889
16	Thandwe	2894	964	4510.48	0.50	29.50	0.204429	0.217551
17	Toungup	2723	817	3502.51	0.50	25.00	0.219041	0.187615
18	Gwa	824	274	1106.95	0.24	20.26	0.325339	0.411468
19	Maie	1670	558	2235.06	0.52	13.45	0.192792	0.103510
20	Kyin Ta Li	548	184	1023.02	0.35	21.20	0.309768	0.333078

Source: MCA 2010 Supplementary Module, SLRD



**Computed Standard Errors and Coefficients of Variation on the Area of Small Agricultural Holdings**  
(Myanmar Census of Agriculture 2010)

Yangon Region

No.	Township	Estimated (total small agricultural holdings)	Actual (total sample small agricultural holdings reporting)	Total Unweighted Physical Area of the Sample Agricultural Holdings (Acre)	Lowest Crop Holding Area (Acre)	Highest Crop Holding Area (Acre)	Standard Error	Coefficient of Variation (%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Hmawbi	1267	428	3360.67	0.20	35.00	1.851049	2.093031
2	Hlegu	2654	891	8717.24	0.03	48.00	0.553323	0.215813
3	Taikkyi	3444	1145	10657.29	0.22	48.00	0.434483	0.375071
4	Htantabin	2046	692	7256.88	0.15	49.72	0.514507	0.382855
5	Hlaingtharya	42	14	132.00	3.00	15.00	0.796844	1.207339
6	Dagon Myothit (South)	234	77	911.50	2.00	47.00	0.990040	0.217233
7	Dagon Myothit (East)	207	69	686.00	3.00	40.00	1.447211	0.421927
8	Dagon Myothit (Seikkan)	194	66	587.00	2.00	25.00	0.728405	0.248179
9	Thanlyin	3179	1081	10290.42	0.50	49.00	0.375297	0.062000
10	Kyauktan	3243	1079	13252.97	0.25	49.75	0.799299	0.102529
11	Thongwa	4679	1560	14144.19	0.20	49.55	0.356032	0.108238
12	Kayan	4502	1501	12480.27	0.10	47.27	0.310631	0.102048
13	Twantay	2741	911	7996.07	0.09	606.00	0.953149	0.607931
14	Kawhmu	3024	1011	10436.25	0.10	49.00	0.810810	0.271921
15	Kungyangon	2384	789	9680.78	0.10	49.44	0.617498	0.204115
16	Da La	882	293	4364.02	0.55	47.00	0.893970	0.307275
17	Da Tar	1362	454	6184.39	0.42	46.50	0.872215	0.084621
18	Kyi Myint Taing	68	23	277.57	1.00	40.00	1.418228	1.532833

Source: MCA 2010 Supplementary Module, SLRD



**Computed Standard Errors and Coefficients of Variation on the Area of Small Agricultural Holdings  
(Myanmar Census of Agriculture 2010)**

Shan (South) State							
No.	Township	Estimated (total small agricultural holdings)	Actual (total sample small agricultural holdings reporting)	Total Unweighted Physical Area of the Sample Agricultural Holdings (Acre)	Lowest Crop Holding Area (Acre)	Highest Crop Holding Area (Acre)	Coefficient of Variation (%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	Taunggyi	1360	454	3688.64	1.00	48.00	0.816213
2	Nyaungshwe	3619	1191	2672.85	0.20	28.00	0.165772
3	Hopong	287	95	404.66	1.00	16.00	0.265175
4	Hsihseng	1820	604	2174.50	0.50	20.00	0.260639
5	Kalaw	3510	1177	4269.62	0.48	15.00	0.181959
6	Pindaya	2535	841	3194.59	0.25	40.00	0.796073
7	Ywangan	3452	1148	3696.42	0.03	25.00	0.308282
8	Lawksaw	1927	634	3984.74	0.36	45.00	0.512300
9	Pinlaung	4197	1373	3622.70	0.10	20.00	0.123328
10	Pekon	2091	679	1837.85	0.50	11.00	0.247695
11	In Taw	507	163	646.05	1.00	18.00	0.374638
12	Naung Dayar	2428	813	2315.55	0.25	10.00	0.167180
13	Kyaut Ta Lone Gyi	1127	374	1234.68	1.00	15.00	0.180965
14	Loilen	84	27	53.50	1.00	3.00	0.112242
15	LaiKha	268	90	312.31	1.00	7.36	0.307010
16	Nansang	402	134	504.50	1.00	15.00	0.577611
17	Kunhing	248	82	154.57	0.25	5.00	0.081438
18	Mine Shwe	69	23	44.50	1.00	3.50	0.150328
19	Langkho	293	98	165.04	0.75	7.00	0.188218
20	Mongnai	424	142	667.50	0.50	25.00	0.612302
21	Mawmai	38	13	96.40	2.00	17.40	1.559550
22	Mongpan	91	29	52.95	0.50	5.00	0.278453
23	Kaing Town	117	41	156.50	1.00	6.00	0.306898

Source: MCA 2010 Supplementary Module, SLRD

**Computed Standard Errors and Coefficients of Variation on the Area of Small Agricultural Holdings**  
(Myanmar Census of Agriculture 2010)

Shan (North) State

No.	Township	Estimated (total small agricultural holdings)	Actual (total sample small agricultural holdings reporting)	Total Unweighted Physical Area of the Sample Agricultural Holdings (Acre)	Lowest Crop Holding Area (Acre)	Highest Crop Holding Area (Acre)	Standard Error	Coefficient of Variation (%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Lashio	3640	1209	4398.36	0.50	20.00	0.228670	0.452312
2	Hseni	1448	482	2590.24	0.42	27.00	0.367629	0.525135
3	Mongyai	1772	597	2810.75	1.00	14.00	0.175463	0.299644
4	Tangyan	2492	820	2285.50	0.50	12.00	0.127694	0.514016
5	Muse	1864	620	2016.92	0.30	22.00	0.194845	0.270495
6	Nanhkan	3328	1111	2068.53	0.25	9.50	0.100191	0.179212
7	Kutkai	3169	1032	2786.40	0.40	23.50	0.132138	0.246597
8	Tar Moe Ngye	3370	1011	2469.00	0.50	6.50	0.169756	0.199389
9	Mong Ko	792	259	665.60	0.30	9.50	0.178783	0.483488
10	Man Hee Ro	285	95	182.29	0.50	5.80	0.308435	0.507600
11	Kyaukme	3637	1194	4990.33	0.50	33.00	0.275928	0.337284
12	Naung Cho	3722	1232	6449.03	0.50	500.00	1.209825	0.937990
13	Hsipaw	2089	671	3356.21	0.50	35.67	0.346319	0.557213
14	Namtu	1283	432	1780.75	1.00	15.00	0.291299	0.458030
15	Namhsan	2340	780	2954.25	0.50	20.00	0.326776	0.210163
16	Mongmit	1698	565	2156.37	0.50	20.50	0.363881	0.320619
17	Mabein	825	270	1331.19	1.00	22.00	0.720078	0.540928
18	Manton	1399	461	1334.70	1.00	10.00	0.138822	0.322430
19	Mong Ngaw	1403	467	2473.50	0.50	42.00	0.636713	0.514828
20	Kunlong	1386	457	1017.50	0.50	12.00	0.174864	0.481198
21	Hopang	554	171	421.65	0.40	8.50	0.296442	0.913968

Source: MCA 2010 Supplementary Module, SLRD

**Computed Standard Errors and Coefficients of Variation on the Area of Small Agricultural Holdings**  
(Myanmar Census of Agriculture 2010)

Shan (East) State

No.	Township	Estimated (total small agricultural holdings)	Actual (total sample small agricultural holdings reporting)	Total Unweighted Physical Area of the Sample Agricultural Holdings (Acre)	Lowest Crop Holding Area (Acre)	Highest Crop Holding Area (Acre)	Standard Error	Coefficient of Variation (%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Kengtung	2702	906	2428.26	0.10	22.00	0.138253	0.318837
2	Mongkhet	214	67	196.25	1.00	7.00	0.316619	1.774682
3	Mongyang	119	40	170.84	1.00	9.00	0.263037	0.307934
4	Matman	30	11	22.00	1.00	3.00	0.218999	1.990895
5	Mongla	44	15	17.50	0.50	2.00	0.128136	2.196610
6	Monghsat	287	96	312.62	0.50	13.30	0.703416	1.350040
7	Mongping	378	127	266.05	0.30	7.50	0.206062	0.851977
8	Mongton	49	17	38.38	0.50	6.27	0.912389	4.754503
9	Mine Khoke	52	16	61.21	2.80	5.90	0.304723	0.995663
10	Tong Tar	274	91	159.80	0.50	4.00	0.139129	0.522388
11	Tachileik	2392	789	2633.03	0.40	48.20	0.226171	0.266283
12	Tar Lay	623	206	600.51	0.22	11.91	0.838396	0.279228
13	Kyaing Lat	509	170	563.94	0.50	12.70	0.456566	0.566720
14	Monghpyak	1084	357	639.65	0.30	8.50	0.102948	0.402361
15	Mongyawng	1271	428	1086.08	0.25	12.50	0.203572	0.337388
16	Mong Yu	117	41	188.85	0.60	17.70	1.019355	1.619310

Source: MCA 2010 Supplementary Module, SLRD

**Computed Standard Errors and Coefficients of Variation on the Area of Small Agricultural Holdings**  
(Myanmar Census of Agriculture 2010)

**Ayeyarwady Region**

No.	Township	Estimated (total small agricultural holdings)	Actual (total sample small agricultural holdings reporting)	Total Unweighted Physical Area of the Sample Agricultural Holdings (Acre)	Lowest Crop Holding Area (Acre)	Highest Crop Holding Area (Acre)	Standard Error	Coefficient of Variation (%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Patheingyi	2716	906	8633.10	0.08	47.49	0.573789	0.292441
2	Kangyidaung	3946	1310	11495.58	0.12	49.20	0.377981	0.246604
3	Thabaung	3096	1074	10574.12	0.21	47.06	12.256223	9.156711
4	Ngapudaw	1667	554	6992.62	0.15	47.64	1.085541	0.512295
5	Kyongpyaw	4437	1477	13718.60	0.30	48.77	0.316306	0.228262
6	Yegyi	2047	667	6532.73	0.20	48.17	0.525580	0.498810
7	Kyaunggon	3132	1039	9120.27	0.05	46.70	0.151502	0.131231
8	Ngwe Saung	345	130	1171.13	0.10	37.70	1.071015	1.005966
9	Shwe Thauk Yan	662	220	1393.67	1.00	31.00	0.570966	0.327748
10	Ngayokekaung	644	216	1448.62	0.50	27.00	0.292334	0.282523
11	Nga Tai Chaung	1341	439	4590.58	0.47	42.00	0.683620	0.550997
12	Hinthada	3639	1205	9716.78	0.10	41.13	0.319329	0.414082
13	Zalun	2756	916	6765.20	0.20	45.54	0.336356	0.357973
14	Lemyethna	2501	830	11258.38	0.15	40.10	0.606109	0.290716
15	Myanaung	5176	1756	14972.65	0.10	49.11	0.492161	0.305697
16	Kyangin	2197	733	4604.13	0.50	25.43	0.562269	0.561765
17	Ingapu	4240	1389	10190.19	0.20	40.80	0.369559	0.402555
18	Myaungmya	4912	1650	15382.56	0.05	86.16	0.311424	0.236870
19	Einme	4199	1398	9469.57	0.14	56.59	0.189656	0.202282
20	Wakema	7182	2380	15460.93	0.07	47.12	0.222471	0.175549
21	Maubin	5634	1883	13147.66	0.06	48.27	0.290511	0.192236
22	Pantanaw	3589	1193	8328.72	0.05	45.00	0.222078	0.218645
23	Nyaungdon	2730	898	6725.86	0.08	46.00	0.334597	0.303461
24	Danaphyu	3305	1111	10792.25	0.19	49.01	0.391808	0.326741
25	Pyapon	3048	1015	10141.87	0.08	7.00	0.876934	0.302634
26	Bogale	6909	2312	20873.32	0.03	49.00	0.377608	0.222512
27	Kyaiklat	5359	1786	11995.01	0.06	47.02	0.267737	0.189726
28	Dedaye	4953	1647	17137.20	0.10	48.00	0.416284	0.218621
29	Amarapura	1264	423	4955.47	0.33	43.23	1.611952	0.585517
30	Laputta	4022	1324	18907.01	0.05	49.70	0.656903	0.302272
31	Mawlamyinegyun	7325	2436	19877.56	0.10	49.08	0.354270	0.219218
32	Pyinsalu	1342	453	7898.73	0.15	49.00	1.270467	0.514702
33	Hinekyikyun	1406	400	3881.06	1.00	49.02	1.114885	0.603252

Source: MCA 2010 Supplementary Module, SLRD

## **ANNEX IV**

# **Excluded areas from MCA 2010**



**ANNEX IV**  
**MYANMAR CENSUS OF AGRICULTURE 2010**  
**NUMBER OF (ENTIRELY / PARTIALLY) EXCLUDED AREAS FROM THE CENSUS**

SD	REGION & STATE	DT	DISTRICT	TN	TOWNSHIP	ENTIRELY				PARTIALLY	
						WARD	BLOCK	VT	VILLAGE	WARD	VT
01	Kachin	01	Myitkyina	001	Myitkyina	8	301			17	
				002	Waingmaw			1	5		1
				003	In Jan Yang	1	1	15	54		
				004	Tanai			1	1		
				005	Chipwi			25	73		
				006	Tsawlaw			17	63		
				902	Sadon (Waingmaw)			4	62		3
		02	Mohnyin	007	Mohnyin		14			4	
				009	Hpakan			2	2		
				905	Kamaing (Hpakan)		7				
		03	Bhamo	010	Bhamo	1	1				
				012	Momauk			7	25		
				013	Mansi			19	159		
				906	Loijii (Momauk)			11	60		1
				907	Daw Phone Yan (Momauk)			2	2		
				908	Myo Hia (Shwegu)			3	3		
		04	Putao	014	Putao	1	1				
				015	Sumprabun			28	218		
					<b>Kachin Total</b>	<b>11</b>	<b>325</b>	<b>135</b>	<b>727</b>	<b>21</b>	<b>5</b>
02	Kayah	05	Loikaw	001	Loikaw			4	26		
				002	Demoso			9	50		
				003	Hpruso			14	109		
				004	Shadaw			2	13		
		06	Bawlake	005	Bawlake			2	2		
				006	Hpasawng			7	43		
				007	Mese			2	4		
				901	Ywar Thit(Mese)			3	7		
					<b>Kayah Total</b>	<b>0</b>	<b>0</b>	<b>43</b>	<b>254</b>	<b>0</b>	<b>0</b>
03	Kayin	07	Hpa-An	001	Hpa-An			16	107		1
				002	Hlaingbwe			25	151		11
				003	Hpapun			23	198		
				004	Thandaung Gyi			13	65		
				901	Pine Kyone(Hlaingbwe)			24	137		
				902	Ka Ma Maung(Hpapun)			9	106		1
				903	Late Tho(Thandaung Gyi)			31	177		
				904	Baw Ga Li(Thandaung Gyi)			15	80		
		08	Myawaddy	005	Myawaddy			10	66		3
		09	Kawkaik	006	Kawkaik			29	170		12
				007	Kyainseikgyi			20	117		
				901	Kyate Done(Kyainseikgyi)			21	115		
				902	Phayar Thone Sae(Kyainseikgyi)			10	63		
					<b>Kayin Total</b>	<b>0</b>	<b>0</b>	<b>246</b>	<b>1552</b>	<b>0</b>	<b>28</b>

SD	REGION & STATE	DT	DISTRICT	TN	TOWNSHIP	ENTIRELY				PARTIALLY	
						WARD	BLOCK	VT	VILLAGE	WARD	VT
05	Sagaing	12	Sagaing	001	Sagaing	14	18			4	
		13	Shwebo	004	Shwebo	2	32			7	
		14	Monywa	012	Monywa	15	15				
		19	Hkamti	033	Hkamti			5	20		3
				035	Lay Shi			18	52		
				036	Lahe			31	87		
				037	Nanyun			21	44		
					<b>Sagaing Total</b>	<b>31</b>	<b>65</b>	<b>75</b>	<b>203</b>	<b>11</b>	<b>3</b>
06	Tanintharyi	20	Dawei	001	Dawei			3	28		3
				002	Launglon				5		3
				003	Thayetchaung			7	29		3
				004	Yebyu			1	23		4
				901	<u>Myinta(Dawei)</u>			3	11		
				902	<u>Ka Lein Aung(Yebyu)</u>			1	4		3
		21	Myeik	005	Myeik	4	4				
				006	Kyunsu				57		14
				007	Palaw			4	25		1
				008	Tanintharyi			2	27		4
				901	<u>Pa lauk(Palaw)</u>	1	1		4		2
		22	Kawthoung	009	Kawthoung			1	2		1
				010	Bokpyin				2		1
				901	<u>Pyi Gyi Man Taing (Bokpyin)</u>	2	2		11		4
					<b>Tanintharyi Total</b>	<b>7</b>	<b>7</b>	<b>22</b>	<b>228</b>	<b>0</b>	<b>43</b>
07	Bago East	23	Bago	001	Bago	17	17				
				004	Waw	1	1				
				006	Kyauktaga	1	1				
				007	Daik-U	1	1				
				008	Shwegyin			2	4		
		24	Taungoo	009	Taungoo	4	4				
				011	Kyaukkyi			29	116		
				012	Phyu	4	4				
				014	Tantabin	2	2	5	13		
					<b>Bago East Total</b>	<b>30</b>	<b>30</b>	<b>36</b>	<b>133</b>	<b>0</b>	<b>0</b>
08	Bago West	26	Thayarwady	007	Thayarwady	2	2				
					<b>Bago West Total</b>	<b>2</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

SD	REGION & STATE	DT	DISTRICT	TN	TOWNSHIP	ENTIRELY				PARTIALLY	
						WARD	BLOCK	VT	VILLAGE	WARD	VT
09	Magway	27	Magway	001	Magway	6	6				
		30	Pakokku	018	Pakokku	10	10				
					<b>Magway Total</b>	<b>16</b>	<b>16</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
10	Mandalay	32	Mandalay	001	Aungmyatharzan	18	18				
				002	Pyigyitachon	13	13				
				003	Amarapura	1	53			8	
				004	Patheingyi		10			1	
				029	Chanayetharsan	20	20				
				030	MaharaungMyae	18	18				
				031	Chan Mya Thar Si	13	13				
		33	Pyinoolwin	005	Pyinoolwin	2	2				
				008	Mogoke		33			2	
		34	Kyaukse	010	Kyaukse	8	8				
		35	Myingyan	014	Myingyan	1	1				
				015	Taungtha	1	1				
				017	Kyaukpadaung	8	8				
		36	Nyaung-U	019	Nyaung-U	3	41			6	
				901	<u>Nga Tha Yauk(Nyaung-U)</u>		4			2	
		37	Yamethin	020	Yamethin		8			5	
		38	Meiktila	022	Meiktila	5	150			9	
				023	Mahlaing		1			1	
				024	Thazi	1	1				
		39	Naypyitaw	027	Pyinmana	5	5				
					<b>Mandalay Total</b>	<b>117</b>	<b>408</b>	<b>0</b>	<b>0</b>	<b>34</b>	<b>0</b>
11	Mon	40	Mawlamyine	002	Kyaikmaraw			3	13		
				004	Thanbyuzayat				28		7
				006	Ye		1		25	1	3
				901	<u>La Mine(Ye)</u>			2	21		1
				902	<u>Khaw Zar(Ye)</u>			2	12		3
		41	Thaton	007	Thaton			8	38		
				009	Kyaikto			6	20		
				010	Bilin			18	113		
					<b>Mon Total</b>	<b>0</b>	<b>1</b>	<b>39</b>	<b>270</b>	<b>1</b>	<b>14</b>
12	Rakhine	42	Sittwe	001	Sittwe	22	22				
				005	Minbya			1	17		
		43	Maungdaw	010	Buthidaung			4	42		
		44	Kyaukpyu	011	Kyaukpyu	4	4				
		45	Thandwe	015	Thandwe	1	1				
					<b>Rakhine Total</b>	<b>27</b>	<b>27</b>	<b>5</b>	<b>59</b>	<b>0</b>	<b>0</b>

SD	REGION & STATE	DT	DISTRICT	TN	TOWNSHIP	ENTIRELY				PARTIALLY	
						WARD	BLOCK	VT	VILLAGE	WARD	VT
13	Yangon	46	Yangon (North)	002	Hlegu	1	1				
				003	Taikkyi	11	11				
				005	Hlaingtharyar	2	2	2	8		3
				006	Inn Sein	8	8				
				021	Minn Ga Lar Done	27	27	5	12		
				022	Shwe Pyi Thar	23	23	4	6		
		47	Yangon (East)	007	Dagon Myothit(South)	26	26				
				008	Dagon Myothit(East)	15	15				
				009	Dagon Myothit(Seikkan)	6	6				
				023	Dagon Myothit(North)	27	27				
				024	Thin Gan Gyunn	39	39				
				025	Yan Kin	15	15				
				026	South Oak Ka Lar Pa	13	13				
				027	North Oak Ka Lar Pa	19	19				
				028	Thar Kay Ta	19	19				
				029	Daw Pone	14	14				
				030	Tar Mwe	20	20				
				031	Pu Zon Taung	10	10				
				032	Bo Ta Htaung	10	10				
				033	Min Ga Lar Taung Nyunt	20	20				
		48	Yangon (South)	010	Thanlyin	9	9				
				011	Kyauktan	1	1				
				012	Thongwa	6	6				
				014	Twantay	1	1				
				018	Seik Gyi /Kha Naung To	1	1				
				019	Da La	23	23				
		49	Yangon (West)	020	Kyi Myin Taing	20	20				
				034	Kyauk Ta Tar	9	9				
				035	La Thar	10	10				
				036	Pa Bel Tan	11	11				
				037	Ah Lone	11	11				
				038	Lan Ma Taw	12	12				
				039	San Chaung	18	18				
				040	Ka Mar Yot	10	10				
				041	Hlaing	16	16				
				042	Ma Yan Kone	10	10				
				043	Ba Han	22	22				
				044	DaGon	5	5				
				045	Seik Kan	3	3				
					<b>Yangon Total</b>	<b>523</b>	<b>523</b>	<b>11</b>	<b>26</b>	<b>0</b>	<b>3</b>

SD	REGION & STATE	DT	DISTRICT	TN	TOWNSHIP	ENTIRELY				PARTIALLY	
						WARD	BLOCK	VT	VILLAGE	WARD	VT
14	Shan (South)	50	Taunggyi	001	Taunggyi			1	1		
				002	Nyaungshwe			9	76		
				003	Hopong			16	226		
				004	Hsihseng			6	65		
				008	Lawksawk			1	2		
				009	Pinlaung		1			1	
				010	Pekon			5	75		
				901	In Taw (Lawksawk)			2	14		
		51	Loilen	011	Loilen			10	96		
				012	LaiKha	2	2	15	110		
				013	Nansang			20	174		
				014	Kunhing	5	14	14	140		
				015	Kyethi	1	1	16	182		
				016	Mongkaung			24	194		
				017	Mine Shwe			17	190		
				901	Pin Lon(Loilen)			8	170		
				902	Mine Naung(Kyethi)			13	112		
		52	Lingkho	018	Lingkho			11	59		
				019	Mongnai			7	46		
				020	Mawkmαι			8	38		
				021	Mongpan			7	27		
				901	Kaing Town (Mongnai)			3	17		
				902	Ho Main(Lingkho)	3	3	3	13		
					Shan (South) Total	11	21	216	2027	1	0
15	Shan (North)	53	Lashio	001	Lashio	9	9				
				004	Tangyan	3	3		6		1
		54	Muse	009	Muse	1	1				
				902	Tar Moe Ngye(Kutkai)				1		1
		55	Kyaukme	012	Kyaukme	2	2				
				014	Hsipaw	3	3	22	157		
				015	Namtu	2	2	1	3		
				016	Namhsan	2	2				
		56	Kunlong	021	Hopang			4	10		1
				901	Nant Tit(Hopang)	5	5	8	37		
		67	Lout Kine	022	Lout Kine	3	3	7	131		
				023	Kone Kyan	3	3	8	142		
				901	Chin Shwe Haw(Lout Kine)	3	3	1	6		
					Shan (North) Total	36	36	51	493	0	3



SD	REGION & STATE	DT	DISTRICT	TN	TOWNSHIP	ENTIRELY				PARTIALLY	
						WARD	BLOCK	VT	VILLAGE	WARD	VT
16	Shan (East)	57	Kengtung	001	Kengtung			18	328		5
				002	Mongkhet			6	139		4
				003	Mongyang			8	187		1
				004	Matman			28	186		
				005	Mongla	2	2	8	123		1
				907	<u>Mine Pauk(Mongyang)</u>			6	137		
		58	Monghsat	006	Monghsat			9	128		
				007	Mongping			12	203		
				008	Mongton			4	45		4
				902	<u>Mine Khoke(Monghsat)</u>			6	86		1
				903	<u>Pon Par Kyin(Mongton)</u>			1	23		2
				905	<u>Tong Tar(Mongping)</u>			4	41		
		59	Tachileik	009	Tachileik			1	57		4
		60	Monghpyak	010	Monghpyak			2	8		3
				011	Mongyawng			1	10		
				901	<u>Mong Yu(Mongyawng)</u>			9	120		
					<b>Shan (East) Total</b>	<b>2</b>	<b>2</b>	<b>123</b>	<b>1821</b>	<b>0</b>	<b>25</b>
17	Ayeyarwady	61	Pathein	001	Pathein	1	62			11	
			Pathein	006	Yegyi	1	1				
			Pathein	007	Kyaunggon		24			3	
			Pathein	904	<u>Nga Tai Chaung(Yegyi)</u>	1	1				
		62	Hinthada	008	Hinthada	3	3				
			Hinthada	009	Zalun		17			4	
			Hinthada	011	Myanaung	3	3				
		64	Maubin	017	Maubin	5	5				
		65	Pyapon	021	Pyapon	4	4				
			Pyapon	022	Bogale	1	1				
			Laputta	026	Mawlamyinegyun	7	7				
					<b>Ayeyarwady Total</b>	<b>26</b>	<b>128</b>	<b>0</b>	<b>0</b>	<b>18</b>	<b>0</b>
					<b>Union of Myanmar</b>	<b>839</b>	<b>1591</b>	<b>1002</b>	<b>7793</b>	<b>86</b>	<b>124</b>