

THE KINGDOM OF LESOTHO

2019/2020 LESOTHO AGRICULTURAL CENSUS COMMERCIAL QUESTIONNAIRE

SECTION A: IDENTIFICATION

A.	IDENTIFICATION INFORMATION	Codes Office Use	
A1. District			
A2. Constituency			
A3. Community Council			
A4. Village			
A5. Chief/Headman			
A6. PSU Code			
A7. Serial Number of PSU			
A8. Agro-Zone			
A10. Postal Address			
A11. Name of Respondent			
A12. Contact number of Respondent		A13. Email	
A14. Respondent position/function on the Farm			
A15. What is Holding's agricultural activity? If A14 =2 only, skip to Section E 1=Mainly Crop 2=Mainly Livestock 3=Mixed		A16. How many fields does (holding) operate?	A17. Holder Number

STAFF DETAILS			
Name of Enumerator			
Number of Visits	1	2	3
Date of Interview			
Name of Supervisor			
Date of Inspection			

SECTION C: LAND USE AND CROPS (THEME 2 AND THEME 4)

Ci: Land Use during 2019/2020 Agricultural Year (*ask for each field*)

C1_2. Field No.	C1. Where is the field located? 1= Within PSU 2= Outside PSU but within District 3= Outside PSU and outside the District (Specify district...)	C2. What is the Land use (LU) type for this field? <i>(Refer to codes)</i>	C3. What is the area of the field by land use in acres? <i>(Holder Estimate)</i>	C4. What is the tenure of the land? 1= Inherited 2= Purchased 3= Community land 4= Use right from Local Authority 5= Sharecropping 6= Borrowed 7= Rented 11= Other (Specify.....) <i>End of question for fallow fields For C2=3</i>	C5. What were the soil conservation measures used in the field? (<i>multiple response</i>) A= Terraces/Contour B= Cover Cropping C= Crop Rotation Q= None X= Other (specify).....	C6. Check C2, if holder has: 1. Temporary crops only, Continue to Cii ; 2. Permanent crops only, Skip to Ciii ; 3. Both temporary and permanent crops, Continue to Cii and Ciii	C7_1. Is this (field) Pure stand or mixed? 1= Yes, pure 2= Yes, mixed	C7. What type of Temporary/Permanent crop is planted on the field? <i>(See Crop Codes)</i>

Cii: Land Use Under Temporary Crops during 2019/2020 Agricultural Year (ask for each field) If a field is planted to more than one crop, field number must be divided by each crop

Field No.	C8. Crop Name	C9. What proportion of the area was planted to temporary crops? 01=1/4 of field 02=1/2 of field 03=3/4 of field 04=Whole field	C10. What proportion of the area planted was harvested? 00=None 01=1/4 of field 02=1/2 of field 03=3/4 of field 04=Whole field	C11. What was the purpose for harvested crop? <i>(multiple response)</i> A=Food for human consumption B=Feed for animals C=Biofuels X=Other uses (Specify)	C12. Was the area harvested fertilized? 1= Yes 2= No If no Skip to C14_1	C13. What type of fertilizer was used? <i>(Refer to codes)</i>		

Ciii: Land under Permanent Crops during 2019/2020 Agricultural Year. If a field is planted to more than one crop, field number must be divided by each crop

Field No.	C14. What was the type of tree planted on the field?	C14_1. Is this field Scattered or Compact? 1= Scattered 2= Compact If C14_1=1 , Skip to C21	C15. What was the total number of trees in compact plantations?	C16. What proportion of the area was planted to compact plantations 01=1/4 of field 02=1/2 of field 03=3/4 of field 04=Whole field	C17. What area planted was fertilized? 1= Yes 2= No Skip to C19	C18. What type of fertilizer was used? <i>(Refer to codes)</i>	C19. What was the total number of bearing trees in compact plantations?	C20. What was the area of bearing trees in compact plantations by purpose? 01=Food for human consumption 02=Feed for animals 03=Biofuels 05=Other uses (Specify)	C21. What was the total number of trees in scattered plantations?		

Codes for Temporary Crops	Codes for Permanent Crops	Land Use Codes	Codes for Types of Fertilizer (C13 and C18)
A=Maize	A= Apple	01= Land under temporary crops	1= Mineral fertilizers (Inorganic fertilizer)
B=Wheat	B= Peach	02= Land under temporary meadows and pastures	2=Organo-mineral fertilizers
C=Sorghum	C= Grape	03= Land temporary fallow	3= Organic fertilizer
D=Beans	D= Pear	04= Land under permanent crops	4=Biofertilizers
E=Peas	E= Apricot	05= Land under permanent meadows and pastures	5=Manure
	F= Plum	06= Land under farm buildings and farmyards	9=Other organic materials to enhance plant growth
	G= Quince	07= Forest and other wooded land	
	H= Orange	08= Area used for aquaculture (including inland and coastal waters if part of the holding)	
I=Cabbage	I= Pomegranate	09= Land under temporary and permanent crops	
J=Tomato	J=Nectarines	013= Other area not elsewhere classified	
K=Spinach	K= Cherry		
L=Carrots	L= Blueberries		
M=Sepaile	M=Raspberry		
N=Rapa	N=Fig		
O=Beetroot	O= Chest Nuts		
P= Potatoes	P= Lemon		
Q=Onion	Q= Olives		
R=Lettuce	R= Prickle pears		
S=Spring onions			
T=Green pepper	X= Other (Specify)		
U=Bell pepper V. pumpkins			
X= Other (Specify....)			

Civ: Production and disposition of crop products (C23=C25+C27+C28+C29+C30+C31+C32+C33)

C22. Crop Code (refer to crop codes)	C23. What was the quantity harvested?	C24.	C25. What quantity of unprocessed crop harvested was sold? (If no sale, record 00 and skip to C27)	C26. To whom was quantity mostly sold to? 1= Govt. organizations (through auction sales) 2=Parastatals 3= Private trader local market village 4= Private trader district market 5= Private trader at farm gate 6= Development Partners 7=NGOs 8= Neighbour/Relative 11= Other, specify

Production and disposition of crop products Cont'd

Crop Name	Crop Code (refer to crop codes)	C27. What quantity was processed for sale? (if none record 00).	C28. What quantity was processed for animal feed? (if none record 00).	C29. What quantity was given to: (if none record 00). A. Land lord / proprietor B. For labour C. Friends/relatives D. Exchange for other goods Q. None X. Others (specify)	C30. What quantity was consumed by household? (If vegetables & fruits SKIP to C32). (including that before harvest)	C31. What quantity was used for seed? (if none record 00).	C32. What Quantity was stored/ currently in storage? (if none record 00).	C33. How much was lost after harvest (%)? (Holder estimate) Write 00 if none then skip 34 to D1	C34. Where did MOST losses occur? 1= on the field 2= during the storage 3= during the transport 4=Loss at Processing 5=Loss at Packaging 6=Loss at Sales 8 = others

SECTION D: AGRICULTURAL PRACTICES (THEME 6)

<p>D1. Which of the following seed inputs did (holder) use?</p> <p>01=Yes 02= No <i>(if no, skip to next input)</i></p> <p>Multiple response</p>	<p>D2. What was the Main Source of seeds?</p>	<p>D3. Which of the following fertilizer inputs did (holder) use?</p> <p>01=Yes 02= No <i>(if no, skip to D5)</i> If none skip to D5 Multiple response</p>	<p>D4. What was the Main Source of Fertilizer used?</p>	<p>D5. Which of the following Pesticides inputs did (holder) use?</p> <p>01=Yes 02= No</p> <p>If none skip to Section E</p>	<p>D6. What was Main Source of Pesticides?</p>
A. Self-production		A= Mineral fertilizers (Inorganic fertilizer)		A. Insecticides	
B. Local seeds	1=Own	B=Organo-mineral fertilizers	1=own	B. Herbicides	1=own
C. Improved seeds	2=Exchanges within community	C= Organic fertilizer	2=Markets	C. Fungicides	2=Markets
D. Hybrid seeds	3=Markets	D=Biofertilizers	3=cooperatives	D. Rodenticides	3=cooperatives
E. Genetically Modified (GM) seeds	4=Seed company	E=Manure	4=government	Q=None	4=government
F. Seedlings	5=Donation	Q=None	5=NGOs	X. Other pesticides (Specify...)	5=NGOs
	6=Cooperatives	X=Other organic materials to enhance plant growth			
	7=Government				
	8=NGOs				

SECTION E: IRRIGATION SYSTEM (THEME 3)

E. IRRIGATION SYSTEM					
E1. Was any of the holding's field irrigated during 2019/2020 Agricultural Year?		01= Yes (<i>Skip to E3</i>)		02= No if No, continue	
E2. What was the main reason for not irrigating? <i>(Refer to codes) Skip to Next Section</i>					
Holder ID	Field No.	E3. What was the main source of irrigation water? (<i>Refer to codes</i>)	E4. What was the main method of irrigation used? (<i>Refer to codes</i>)	E5. What area was irrigated (acres)?	
1					
2					

(E2)

Reasons for not Irrigating

- 01 No irrigation System
- 02 Inadequate Water
- 03 Adequate rains (no need)
- 09 Other (Specify) (*for each field*)

(E3)

Source of Irrigation Water

- 1= Surface water River /Lake/Pond/Mountain (*by gravity*)
- 2= Surface water (River /Lake/Pond (*pump*))
- 3= Dam /Reservoir /earth dam (Manual watering (buckets/cans)
- 4=Dam /Reservoir /earth dam (pump)
- 5= Ground water (Deep Well/Tube well) (Motor Pump)
- 6= Ground water (Shallow well) Dam /Reservoir /earth dam (Manual watering (buckets/cans)
- 7=Mixed surface water and groundwater
- 8= Standpipe
- 9= Harvested
- 10 = Borehole (manual)
- 11 = Borehole (mechanized)
- 12 = Treated Waste water/untreated
- 15= Other Canal

(E4)

Irrigation Method

- 01 Gravity
- 02 Hand Pump
- 03 Motor Pump
- 04 Manual watering (buckets/cans)
- 07 Other (Specify) (*for each field*)

SECTION F: SERVICES FOR AGRICULTURE

Fi: Extension Services

<p>F1. Did the holding receive extension services during 2019/2020 Agricultural Year?</p> <p>1= Yes</p> <p>2= No (IF NO, skip to F5)</p>	<p>F2. Which of the following extension service providers did the holding interact with? (SELECT ALL THAT APPLY)</p> <p>A. MAFS veterinary staff B. MAFS agricultural extension officer C. Farmers' unions D. Local/INGO E. Fisheries F. Forestry G. Private sector Dealers H Environmental Protection Agency (EPA) X. Other</p>	<p>F3. Which of the following extension services did holding receive? (SELECT ALL THAT APPLY)</p> <p>A. Farm management B. Selection of crop C. Input use D. Credit E. Farm mechanization F. Livestock husbandry G. Plant protection H. Environmental conservation I. Marketing J. Water irrigation and drainage K. Nutrition X. Other</p>	<p>F4. Which of the following extension service providers' best satisfied the holding's need? (SELECT ALL THAT APPLY)</p> <p>A. None B. MAFS veterinary staff C. MAFS agricultural extension officer D. Farmers' unions E. Local/INGO F. Fisheries G. Forestry H. Private sector Dealers I. Environmental Protection Agency (EPA) J. Nutrition Q. None X. Other</p>	<p>F5. Did the holding receive any agricultural related information?</p> <p>1= Yes 2= No</p> <p>IF NO, GO TO SECTION F8</p>	<p>F6. What type of Information did holding receive? (SELECT ALL THAT APPLY)</p> <p>A. Weather B. Crop varieties C. New agricultural practices D. Farm machinery E. Credit facilities F. Plant diseases and pests G. Marketing H. Livestock husbandry & diseases I. Agronomic practices J. Water & Irrigation K. Fish farming L. HIV/AIDS M. Nutrition X. Other</p>	<p>F7. What was the MAIN source of information?</p> <p>01= Radio 02= Television 03= Internet 04= Newspaper 05= Agric. Magazines/Bulletins 06= Extension officers 07= Farmer to farmer 08= Farmers' associations 09= Agric. show/exhibitions 10= Neighbour 15= Other</p>

Fii. Access to Agricultural Credit/Loan

<p>F8. Did this holding apply for a Credit/Loan for agricultural purposes in the last 5 years? 1= Yes 2 = NO If No, <i>Skip to E15</i></p>	<p>F9. Was the credit/loan granted? 1= Yes 2 = No If No, Skip to E14</p>	<p>F10. What was the MAIN Source of Credit/Loan received during last 5 years? 01= Commercial Banks 02= Micro finances institutions 03= Farmers' Union 04=Input supplier 05= Money lenders 06= Self-help group 07= Government 08= Cooperatives 09= NGO 10= Family and friends 15= Other</p>	<p>F11. What was the credit/Loan Period? 1= Less than 12 months 2= Between 12 and 36 months 3= More than 36 months 8= Others (specify)</p>	<p>F12. What was the MAIN purpose for the credit/Loan? 01= Agriculture labour 02= Seeds 03= Fertilizer 04= Agro chemicals 05= Farm implements and machinery 06= Irrigation structures 07= Livestock 08= Aquaculture (marine resources and fisheries) 09= Trading agricultural produce 10= Tractor 11= Borehole 12= De-bushing (clearing of land) 13= Threshing 18= Other agricultural purpose (Specify)</p>	<p>F13. What was the MAIN Type collateral security? 0= No collateral 1= Land title 2= Crops 3= Livestock 4= Salary 5= Third party 6= Property (Movable/Immovable) 7= Investment 11= Other (specify)</p>	<p>F14. Why was the credit/loan not granted? (MAIN reason) 1= Lack collateral security 2= Not profitable 3= Income too low 4= Previous debt problems 5=Could not get a guarantor 6= Amount applied for too high 7=Inappropriate purpose of loan 8=Did not meet requirements 9= Late application 12=Other</p>	<p>F15. What were the reasons for not seeking credit/loan? 01 No need for credit 02 Unavailability of lending facilities 03 Interest too high 04 Negative Past experience 05 Unaware of the service 09 Other (specify)</p>

SECTION G: FARM IMPLEMENT AND ASSETS

Machinery/Equipment		G1. Did the holding use (Name of Equipment) during the past 12 months? 01=Yes 02= No <i>(If no, go to next equipment)</i>		G2. What was the source of ownership? 1=Owned solely by the holder 2=Owned by Members of the holder's household 3=Owned by the household jointly with other households 4=Provided by the landlord 5=Provided by other private holders (excluding cooperatives) 6=Provided by a cooperative (farmers' Union) 7=Provided by a private agricultural service establishment 8=Provided by a government agency 9=Rented 10=Borrowed 14=other (specify)
S/N	Machinery	Crops	Livestock	
1	Forage Harvester			
2	Combine Harvester/			
3	Truck/Other Vehicles			
4	Generator			
5	Sprayer			
6	Incubator (<i>livestock</i>)			
7	Ridger (Ripara)			
8	Scotch Cart			
9	Tractor Seed Planter			
10	Tractor			
11	Tractor Plough			
12	Threshers			
13	Power Tiller			
14	Milking Machine (<i>livestock</i>)			
15	Disks Harrower			
16	Water Pump (Pompi)			
17	Honey Extractor (<i>livestock</i>)			
18	Drip Irrigation			
19	Other (specify).....			
	Manual			
20	Hoe			
21	Digging Fork			
22	Rake			
23	Spade			

24	Hand Pump And Other Hand Irrigation Devices			
25	Transplanter			
26	Sprayer (Knap Sack)			
27	Ox-Plough			
28	Seed Planter			
29	Scotch Cart			
30	Disks Harrower			
31	Cultivator (Sekofolo)			
32	Yoke			
33	Other (specify)			

SECTION H. Non- Residential Buildings

H1. Did the holding use non-residential building for agricultural purposes during 2019/2020 Agricultural Year? 01= Yes 02= No (Skip to Section J)	H2. What was the purpose of the non-residential building? 1.For keeping livestock other than poultry 2.For keeping poultry 3.For storing agricultural products 4. Mixed Purposes 5. Other Purposes	H3. What was the Area (acres) for each type?	H4. What is the tenure of the building? 01=Owned 02=Rented 03=Borrowed 07=Other	H5. What type of Storage Facility does the holding have? 1=Unimproved granary 2=Improved granary 3=Under shelter outside 4=Silo 5=Cold Storage 6=Sealed Container 7=Store/Warehouse 11=Other

SECTION J: LABOUR INPUT (WORK ON THE HOLDING) (THEME 9)

J1. Did this holding have any employees for the past agricultural year? Yes= 1, No=2 if No skip to Next Section

Employee ID (CAPI generated)	J2. Names of farm employees	J3. Was (name) male or female? 01=Male 02=Female	J4. What was (name's) age? (In completed years)	J5. What was (name's) terms (nature) of employment?	J6. What was (name's) working time on the holding? (Refer to codes)	J7. What types of services were provided by (name)? (multiple response) (Refer to codes)	J8. Did (name) work for pay? 01=Yes 02= No (Skip to Next employee)	J9. What was the form of payment? (Multiple response) (Refer to codes)

Codes for Working Time (J6)	Codes for Type of Service (J7)	Codes for Form of Payment (J9)	Codes for Terms (Nature) of Employment (J5)
01= Full-time work for less than 1 month in a Year	01=Tree pruning	01= Money	01= Temporary
02= Full-time work 1-3 months in a Year	02= Crop harvesting	02= Farm produce	02= Permanent
03=Full-time work 4-6 months in a Year	03= Weeding	03= Exchange of Labour	
04= Full-time work 7+ months in a Year	04= Planting	05= Other forms of in-kind labour	
05= Part-time work for the less than 1 month in a Year	05= Applying pesticides		
06 = Part-time work 1-3 months in a Year	06= Herding		
07= Part-time work 4-6 months in a Year	07= Sheep/goat Shearing		
08= Part-time work 7 + months in a Year	08= Farm Administrations		
	11= Other (Specify)		

SECTION K: LIVESTOCK (THEME 5)

Type of Livestock	K1. Does the holding keep any livestock? <i>(Note that the reference period for the livestock is the day of enumeration)</i> 01= Yes 02= No <i>(Multiple response)</i>	K2. What is the type of livestock system for the holding? <i>(If J1= 01-06)</i> 01= Grazing System 02= Industrial System 03= Mixed System
01=Cattle		
02=Sheep		
03=Goats		
04=Horses		
05=Donkeys		
06=Mules		
07=Pigs		
08=Rabbits		
09=Chicken		
10=Duck		
11=Geese		
12=Turkey		

CATTLE

Type of Cattle	K3a. Did the holding keep any Improved Cattle (Exotic)? 1=Yes 2=No if No, skip to K3c	K3b.How many improved cattle does the holding have?	K3c. Did the holding keep any indigenous cattle? 1=Yes 2= No	K3d.How many indigenous cattle does the holding have?	K4. How many cattle are kept mainly for meat/milk/breeding/draught Power?			
	A	B	C	D	Meat	Dairy	Breeding	Draught Power
Females Calves under 1 Year								
Female Calves 1 Year but less than 2 Years								
Males Calves under 1 Year								
Male Calves 1 Year but less than 2 Years								
Bulls (2 years and over)								
Cows (2 years and over)								
Oxen								
Grand Total								

SHEEP

Type of Sheep	K5a. Did the holding keep any Improved sheep (Exotic)? 1=Yes 2=No if No, skip to K5c	K5b.How many improved sheep does the holding have?	K5c. Did the holding keep indigenous sheep 1=Yes 2= No	K5d.How many indigenous sheep does the holding have?	K6. How many sheep are kept mainly for meat/wool/breeding?		
	A	B	C	D	Meat	Wool	Breeding
Females Sheep under 1 Year							

Female Sheep 1 Year and above							
Males Sheep under 1 Year							
Male Sheep 1 Year and above							
Total Sheep							

GOATS

Type of Goats	K7a. Did the holding keep any Improved goats (Exotic)? 1=Yes 2=No if No, skip to K7c	K7b.How many improved does the holding have?	K7c. Did the holding keep indigenous goats 1=Yes 2= No	K7d.How many indigenous goats does the holding have?	K8. How many Goats are kept mainly for meat/mohair//breeding?		
	A	B	C	D	Meat	Mohair	Breeding
Females Kids under 1 Year							
Female Goats 1 Year and above							
Males Kids under 1 Year							
Male Goats 1 Year and above							
Total Goats							

PIGS

	K9a. Did the holding keep any Improved Pigs (Exotic)? 1=Yes 2=No if No, skip to K9c	K9b. How many improved Pigs does the holding have?	K9c. Did the holding keep any indigenous pigs 1=Yes 2= No	K9d. How many indigenous pigs does the holding have?	K10. How many pigs are kept mainly for meat/breeding?	
Type of Pigs					Meat	Breeding
Improved Pigs						
Male						
Piglet less than 3months						
Pigs 3 months to less than 6 months						
Pigs Over 6 months						
Total Pig						

EQUINES

	K11. How many male/female equines does the holding own, raise or manage?		K12. How many equines are kept mainly for transport/draught power/breeding?		
Type	Male	Female	Transport	Breeding	Draught Power
Horses					
Donkeys					
Mules					

POULTRY

Type of Poultry	K13. What is the number of poultry kept by the holding?	K14. How many are kept mainly for meat/eggs/ breeding		
		Meat	Eggs	Breeding

Improved Chicken				
Koekoek				
Other Improved				
Sub-Total				
Indigenous Chicken				
Total Chicken				
Ducks				
Geese				
Turkeys				
Grand Total				

Rabbits			
	Male	Female	Total
K15. How many male/female improved rabbits does the household own, raise or manage?			

Livestock Feeding Practices during 2019/2020 Agricultural Year		
K16. What is the type of feeding for each type of livestock? (multiple response)		
Type	Improved	Unimproved
Cattle		
Sheep		
Goats		
Pigs		
Horse		
Donkeys		
Mules		
Poultry		
Rabbits		

Type of Feeding

- 01 Forages/Roughages
- 02 Agro-industrial by-products
- 03 Swill/Household Waste
- 04 Supplements/Additives
- 05 Other (Specify)

Livestock Serial No.	Livestock Type	Livestock Intake 2019/2020			Livestock Off-take 2019/2020				Livestock Losses (2019/2020)					
		K17 What was the Number of livestock bought or received from others?	K18 How many were born alive?	K19 What was the Total livestock intake?	K20 What was the Number consumed by the holding?	K21 What was the Number sold/traded , or otherwise disposed of for slaughter?	K22 What was the Number given away (gifts, traditional fines, bridal price)?	K23 What was the Total livestock off-take? (K20+K21+K22)	K24 What was the Number of deaths due to disease?	K25 How many of livestock were stolen or lost?	K26 How many of livestock were lost to predator?	K27 How many of livestock died due to starvation?	K28 What was the Number of losses due to other reasons (Specify e.g. drowning, accidents)?	K29 What was the Total livestock Losses? (K24+K25+K26+K27+K28)
1	Cattle													
2	Sheep													
3	Goat													
4	Pig													

Agro-processing and marketing

<p>K30. Did the holding produce any of the following special meat, dairy and other animal products during the last agricultural reference period?</p> <p>1=Yes 2=No (<i>Next product</i>)</p>	<p>K31. Total quantity produced (Kg.) <i>(For milk give in litres)</i></p>
1 = Pork	
2 = Beef	
3 = Goat (meat)	
4 = Lamb (meat)	
5 = Milk (cow) (<i>litres</i>)	
6 = Butter	
7 = Cheese (cow)	
8 = Ice Cream	
11 = Others (specify)	