

Urbanization, agriculture and food systems

SPECIAL CHAPTERS

In addition to the usual review of the recent world food and agriculture situation, each issue of this report from 1957 has included one or more special studies of problems of longer-term interest. Special chapters in earlier issues have covered the following subjects:

- Factors influencing the trend of food consumption Postwar changes in some institutional factors affecting agriculture
- Food and agricultural developments in Africa south of the Sahara The growth of forest industries and their impact on the world's forests
- Agricultural incomes and levels of living in countries at different stages of economic development Some general problems of agricultural development in less-developed countries in the light of postwar experience
- Programing for agricultural development
- **1961** Land reform and institutional change Agricultural extension, education and research in Africa, Asia and Latin America
- The role of forest industries in the attack on economic underdevelopment The livestock industry in less developed countries
- Basic factors affecting the growth of productivity in agriculture Fertilizer use: spearhead of agricultural development
- Protein nutrition: needs and prospects Synthetics and their effects on agricultural trade
- Agriculture and industrialization Rice in the world food economy
- Incentives and disincentives for farmers in developing countries The management of fishery resources
- Raising agricultural productivity in developing countries through technological improvement Improved storage and its contribution to world food supplies
- Agricultural marketing improvement programmes: some lessons from recent experience

Modernizing of institutions to promote forestry development

- Agriculture at the threshold of the Second Development Decade
- **1971** Water pollution and its effects on living aquatic resources and fisheries
- Education and training for development Accelerating agricultural research in the developing countries
- Agricultural employment in developing countries
- Population, food supply and agricultural development
- The Second United Nations Development Decade: mid-term review and appraisal
- Energy and agriculture
- The state of natural resources and the human environment for food and agriculture
- Problems and strategies in developing regions
- Forestry and rural development
- Marine fisheries in the new era of national jurisdiction
- Rural poverty in developing countries and means of poverty alleviation
- Livestock production: a world perspective
- 1983 Women in developing agriculture

THE STATE OF FOOD AND AGRICULTURE 1984

the state of food and agriculture 1984

World review: the ten years since the World Food Conference Urbanization, agriculture and food systems

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS ROME 1985

The statistical material in this publication has been prepared from the information available to FAO up to 1 March 1985.

The designations employed and the presentation of the material in this publication do not imply the expression of any opinion whatsoever on the part of the Food and Agriculture Organization of the United Nations concerning the legal status of any country, territory, city or area, or of its authorities, or concerning the delimitation of its frontiers or boundaries. In some tables, the designations "developed" and "developing" economies are intended for statistical convenience and do not necessarily express a judgement about the stage reached by a particular country or area in the development process.

Chapter 2, Urbanization: a growing challenge to agriculture and food systems in developing countries was prepared by the Policy Analysis Division in collaboration with the Agricultural Services Division, the Food Policy and Nutrition Division, the Statistics Division and members of the Population Programme of FAO.

P-00 ISBN 92-5-102227-5 ISSN 0081-4539 © FAO 1985

Printed in Italy

Foreword

We marked in 1984 the 10th Anniversary of the World Food Conference, which was convened to cope with the global shortage of cereals that erupted in the early 1970s. It was inevitable that on the anniversary, we should recall the Conference's brave, well-intentioned pledge that by 1984, "no man, woman or child should go to bed hungry". We note grimly, however, how far that pledge has yet to be met, in that in 1984 well over 30 million men, women and children, in 21 African countries, were directly threatened by starvation.

Paradoxically, 1984 was also a year of agricultural abundance. World production of cereals rose between 9% and 10%, boosting estimated supplies, at the beginning of the 1984/85 season, to an all-time record level, while the skeletal figures of starvation victims in Africa became a recurring feature on television screens.

More than ever before, it was obvious that increased global production alone would not automatically secure access to available food for those in greatest need.

In terms of human anguish and the prospects of famine-sparked instability, Africa continued to be the focus of world attention in 1984. As early as mid-1983, FAO's Global Information and Early Warning System had issued its first alert, calling attention to the initial signs of an emerging crisis in Africa.

It was then that I promptly established a FAO/World Food Programme task force, to carry out surveillance, to provide regular reports, and to help in the mobilization of the necessary resources and assistance.

In the course of the year, the worst drought of the century reached its peak, searing 21 countries, mostly in the Sahel, southern and eastern Africa. In some cases, the disruptions caused by crop failures were exacerbated by civil strife. Famine engulfed an estimated 20% of the population of Ethiopia, and entire ways of traditional living, which had endured for centuries in the Sahel, were on the verge of collapse.

Hundreds of thousands of people died in these countries. The precise number will never be known. Those who survived formed lines of destitute refugees that made their way to feeding camps pitched on what were once fertile farms. Meanwhile, the world registered the largest production increases in coarse grains, edible oil and root crops, and warehouses were crammed with surplus sugar and dairy products.

Faced with this situation, I urgently addressed appeals to the international community at the FAO Conference, at the United Nations' General Assembly and elsewhere, using every available occasion to draw the attention of donors to the desperate plight of the African farmers and their families.

The response has been generous. We saw, in 1984, an historically unprecedented outpouring of food aid to stricken areas. If aid deliveries are now falling short of needs, it is due in many cases to problems of logistics and administration, at the ports and in inland transport.

The hard, costly lessons of the 1984 emergency are now better appreciated. Food supplies must be procured early. They must be pre-positioned, so they can be shipped rapidly. Recipient countries must clear logistical bottlenecks to ensure prompt delivery of food aid. Early and thorough action is needed on these and other measures to find and speed food to the hungry. The world community's response and the lessons of the emergency prompted me to propose the adoption of a World Food Security Compact by FAO member countries. This statement of principles would articulate the spirit of a civilized community rededicating itself to the ideal of a world freed from hunger. The thrust of the compact is to make every effort to uproot the causes of hunger. This has special relevance to the food crisis in Africa, where neglect of agriculture for too long, as well as external factors, now threaten the economic and political integrity of many countries of the continent. If this crisis is to be defused, agriculture must be rebuilt.

At the FAO Regional Conference on Africa, held in September 1984, African ministers responsible for food, agriculture and rural development issued the Harare Declaration. In this important document, they accepted the basic responsibility for adopting the difficult policy decisions needed to build the productive capacity of their devastated food and agricultural sectors. This move towards self-reliance lays a foundation for practical measures of internal reforms to prevent future famines.

Yet the acceptance of responsibility for the necessary policy decisions can achieve little without adequate resources. FAO has striven to make a contribution to this resource mobilization, not merely through exhortation to donors and preparing concrete projects for them to finance, but also by refocusing part of its modest Regular Programme and devoting savings in support of efforts aimed at rehabilitating Africa's agricultural sector. In March 1985, FAO prepared a package of 108 projects for donors to help African countries restart agricultural production.

FAO is also undertaking, for consideration at the 1986 FAO Regional Conference for Africa, an in-depth review of long-term development to remedy Africa's agricultural and food problems. The Organization continues to execute its large extra-budgetary investment and development programmes for that continent, as well as for other developing regions where the precarious balance between population and food production growth does not permit any sparing of effort.

The magnitude of this crisis and its implications for the future may be appreciated better if seen in the context of the state of food and agriculture world-wide.

In terms of output, 1984 proved a better year for agriculture than 1983. Global food production in 1984 recovered from the setback of the previous year by achieving an overall increase of more than 4%--one of the best performances in recent years. Record cereal crops were produced in much of Europe; production recovered well in North America; and Asia consolidated the remarkable progress in grain production it had made in the previous year.

Weak demand failed, however, to match the rich harvests, as the lingering effects of the recession, combined with widespread poverty, held back increases in purchasing power. The economic recession, the worst in 50 years, reduced the capacity of people to pay for the food they needed, in many cases for their sheer survival. The trend towards increased protectionism also inhibited trade flows. As a consequence, stocks of several major food products rose while many went hungry.

Prices fell, at least in terms of the strengthening U.S. dollar. Interest rates remained relatively high in real terms and financial distress spread rapidly among farmers, particularly in the United States, and among developing countries struggling to service burdens of external debt.

The recession also eroded export earnings. And in many countries, it led to budgetary cutbacks for essential programmes aimed at alleviating rural poverty and redrossing social inequities. Development assistance, needed precisely at a time of economic stress, continued to shrink. Available data shows that concessional multilateral assistance to agriculture, which can build food security and reduce reliance on food aid, suffered a sharp reduction of more than 15% in 1983.

Partly in response to the starvation in Africa, food aid and emergency food assistance expanded. Large stocks of cereals and other foods, and their relatively low prices, helped this expansion.

Technically, the recession ended in 1984, with economic growth resuming strongly in some developed countries. But it dealt such harsh blows to low-income countries struggling to raise the living standards of their people above the poverty level, that it will take considerable time for countries to recover from the setback to their development programmes.

The strains appearing at the international level, such as difficulties in maintaining the flows of multilateral assistance to agriculture and overcoming protectionism in trade, will require collaborative efforts in the years ahead to design and implement practical measures that will reinforce the world community. Alleviation of hunger offers a universally accepted common ground for this task.

The paradox of hunger festering in the midst of abundance prompted the <u>State of Food and Agriculture 1984</u> to mark the 10th Anniversary of the World Food Conference by devoting a part of its World Review chapter to an analysis of trends and developments in global food supplies during the past decade.

The review shows that there had been heartening progress in many developing countries in their efforts to increase food supplies, but there were also worrying setbacks. In fact, in the early 1980s, there were 28 countries with a total of more than 350 million people where per caput food supplies deteriorated during the previous decade.

The review also shows that food supplies increased most frequently in countries that achieved the most rapid rates of economic growth, either through their own production or through increased capacity to finance imports of food. However, increased availability of food supplies needed more than ever to be equitably distributed.

In some ways, institutional developments since the World Food Conference have increased global food security. Commitments under the Food Aid Convention have risen to 7.6 million tons of cereals, providing a greater volume of food aid. The 10-year old International Emergency Food Reserve has exceeded the minimum target replenishment of 500 000 tons of cereals for the last two years. The International Monetary Fund's food facility has provided a safety net for some countries confronted by balance of payment problems due to food imports, although its conditions have restricted its wider use.

The Undertaking on Plant Genetic Resources will help to conserve and better utilize the productive base for increasing agricultural output by the next century. Another FAO initiative--the International Code of Conduct on the Distribution and Use of Pesticides--will ensure that future abundance is not purchased at the cost of a poisoned environment.

At national levels, 1984 saw more countries adopting cereal stock policies and national food security systems; while innovative regional arrangements have evolved to cover emergency food needs. Still, much remains to be done. FAO's broadened concept of World Food Security defines the complex interrelated tasks that challenge our international community and is committed to ensure that famines will ultimately become historical footnotes. The basic elements of the concept are to ensure adequate food production, maximize stability of food supplies, and secure access to these supplies for those who need them most. In the years ahead, achievement of these objectives will demand our utmost attention and dedication.

Reshaping the global system of fisheries, embodied in the United Nations Convention on Law of the Sea, will also have an impact on achieving food security. Thus, the FAO World Conference on Fisheries Management and Development, organized by FAO in Rome in mid-1984, endorsed a strategy and an integrated package of five practical Programmes of Action to assist developing countries boost the productivity and lives of fishermen and thus make a vital contribution to the battle against malnutrition.

The United Nations Conference on Population in Mexico drew attention to the need of world agriculture to feed a population set to increase to over six billion by the year 2000. The State of Food and Agriculture 1984 includes a special chapter on one of the serious consequences of this population growth--the effects of urbanization on agriculture in developing countries.

Urbanization may have been seen in the past as a desirable manifestation of overall economic development. But now it is realised that rapid urbanization, particularly the high concentration of population in huge, ill-prepared, ill-serviced cities, also poses serious challenges to the means of producing, marketing and distributing adequate supplies of food.

In far too many cities, the food supply lines today are no longer rooted in the hinterland. Instead, they stretch across oceans to suppliers of staples that the consuming countries traditionally cannot or do not grow.

A resurgent agriculture can help slow down and reverse the flow of people fleeing the desperate poverty of rural areas for the equally desperate penury of urban slums.

SOFA's chapter examines measures that planners and policymakers can take to help pace urbanization with other development objectives and help food systems adjust to the increasing burdens.

We are faced with enormous problems and challenges. Hunger can, however, be conquered through in-depth internal reform within developing countries, and international reforms in the major sectors of indebtedness and trade. A global approach is required.

It is my hope that this document will contribute to the creation of the necessary measures to break the vicious circle in which the economies of developing countries are caught up and to resolve the grim paradox of our day--intractable food surpluses confronting unprecedented hunger and malnutrition.

DIRECTOR-GENERAL

Contents

FOREWORD	v
Glossary of abbreviations and terms	xvii
Explanatory note	xix
INTRODUCTION	1
CHAPTER 1 - WORLD REVIEW	3
1. THE ECONOMIC, FINANCIAL AND TRADE ENVIRONMENT	3
Developments in the Last Decade The Agricultural Sector Protectionism in Agricultural Markets Present Situation and Outlook	3 3 5 5
2. CURRENT SITUATION AND OUTLOOK	7
Food and Agricultural Production Outlook for Cereals in 1984/85 Fertilizer Prices Fertilizer Consumption and Production Outlook for Fertilizer, Supply and Demand	7 9 11 11 12
Agricultural Trade	14
Main features in 1983 and 1984 Agricultural export prices Terms of trade	14 18 22
External Assistance to Agriculture	23
Total and concessional commitments in 1983 Food aid	23 25
Regional Highlights of Production and Trade, 1979-84	26
Food Situation in Africa	28
The situation in 1984/85 Logistical problems Recovery and rehabilitation Long-term situation	29 30 31 32
The Southern African Development Coordination Conference: Agricultural Perspectives to 2000	34
FAO Regional Conferences in 1984	36
Adjustments in Agricultural Policies in Europe	38

3. LONG-TERM TRENDS AND ISSUES	40
Food Availability and Utilization	40
Supply factors Income and price factors Feed utilization Some aspects of food aid Cereal stocks	41 43 43 44 45
Food and Agricultural Production	47
Rates of increase in food production The stability of food production Production of food and non-food products The changing pattern of food production Fertilizers	47 48 48 48 51
Structural Changes in Agricultural Trade	53
Declining role of agriculture in world tr Agricultural trade flows Commodity composition of agricultural (cr	54
livestock) trade Economic significance of food imports	57 58
Agricultural and food imports in rel income levels	ation to 58
Trends in External Assistance to Agriculture	61
Total and concessional commitments Regional distribution of commitments Allocation of capital assistance by purpo	61 61 8e 62
4. NATURAL RESOURCE SECTORS	63
Fisheries	63
Importance of fisheries Fisheries during 1973-82 World fish production in 1983-84	63 63 64
International trade in fish and fishery p 1983-84 RNO World Conference on Richards W	66
FAO World Conference on Fisheries Manageme Development	ent and 67
Forestry	68
Roles of the forest Fuelwood and energy Trends in output, 1974 to 1983 Production in 1983 Trade in forest products in 1983 Future trends	68 70 70 73 73 73 73

СНА	PTER 2 - URBANIZATION: A GROWING CHALLENGE TO AGRICULTURE AND FOOD SYSTEMS IN DEVELOPING COUNTRIES	79
1.	INTRODUCTION	79
2.	POPULATION, URBANIZATION AND MIGRATION TRENDS, 1980-2000	79
	The Primate City Phenomenon Composition of Urban Population Growth Rural-Urban Migration Urbanization Profile by Developing Region	81 84 84 85
	Latin America Africa East Asia South Asia	86 86 88 88
	The Urban Policy Dilemma Migration, Economic Development and Rural-Urban Links	89 90
3.	EFFECTS OF URBANIZATION ON AGRICULTURAL PRODUCTION SYSTEMS	93
	Urban Growth, Food Demand and Agricultural Productivity Rural-Urban Migration and Production Performance Urbanization and the Changing Structure of Agriculture Competition for Natural Resources	93 96 97 99
4.	NUTRITIONAL CONSEQUENCES OF URBANIZATION	102
	Dietary Changes Associated with Urbanization Access to Food and Urban Malnutrition Urban Slums and Nutrition Urbanization and Food Safety	102 103 104 105
5.	URBAN GROWTH AND FOOD MARKETING	105
	Estimating Food Marketing Needs Food Marketing and Urban Consumer Demand Evolution of Marketing with Development	105 106 106
	Traditional and modern marketing The expanding influence of marketing functions	107 110
6.	POLICY OPTIONS	110
	Direct Actions Modifying Migration	$\begin{array}{c}111\\111\end{array}$
	Improving rural infrastructure, services and living conditions Rural industries Rural family planning assistance Population redistribution	111 112 112 114

- xi -

	Helping Food Systems Adjust	115
	Food and agricultural production Marketing development	116 116
	Large-scale commercial operations Small-farmer cooperation The role of government in marketing Local market development Public and private complementarity in food marketing	116 117 117 118 119
	Better nutrition for low-income urban groups	119
	Competition and Natural Resource Use	120
	Concluding Remarks	120
Refe	rences	121
TABLE	2S	
1-1	Annual Changes in Selected Economic and Financial Indicators, 1973-84	4
1-2	Annual Changes in World and Regional Food, Agricultural, Crop and Livestock Production	8
1-3	Agricultural Production, by Commodity	10
1-4	Fertilizer Consumption, by Major Nutrients, 1981-83	12
1-5	Value of World Exports of Agricultural (Crop and Livestock), Fishery and Forest Products at Current Prices	15
1-6	FAO Index Numbers of Volume, Value and Unit Value of World Exports of Crop and Livestock Products, by Major Commodity Groups	16
1-7	Value of World Agricultural Trade (Crops and Livestock) at Current Prices and Volume, by Region	17
1-8	Export Prices of Selected Crops	19
1-9	Net Barter and Income Terms of Trade of Agricultural Exports for Manufactured Goods and Crude Petroleum	22
1-10	Total and Concessional Commitments of External Assistance to Agriculture	23
1-11	Official Commitments of External Assistance to Agriculture (Broad Definition), 1979-83	24
1-12	Shipment of Food Aid in Cereals, 1981-85	25
1-13	Some Indicators of Production and Trade	27
1-14	Selected Indicators of the Food Situation in African Countries Recurrently Affected by Food Shortages, 1977-84	33
1-15	Per Caput Food Availability Indicators, Selected Developing Countries, 1970s	42

1-16	Comparison of Feed Use, Livestock Production and Consumption of Animal Protein, Selected Countries, 1970s	44
1-17	Annual Rate of Change of Food and Per Caput Food Production, by Country Group, 1974-84	47
1-18	Projections and Extrapolations to 1985 of Food Demand and Production in Developing Countries and Comparison with Actual Trends of Food Production and Population, 1974-84	49
1-19	Shares of Selected Commodity Groups in Total Agricultural Output in 1982-83 and Percentage of Change in the Shares, 1974-75 to 1982-83	51
1-20	Per Caput Food Imports, by Income Levels, 1971-81	59
1-21	Official Total Commitments to Agriculture (Broad Definition), Three-Year Moving Averages	60
1-22	Concessional Capital Commitments to Agriculture in Four Developing Regions and in LDCs	62
1-23	Catch of Fish, Crustaceans and Molluscs, Including All Aquatic Organisms Except Whales and Seaweeds, Country Groups and World, 1974, 1981–83	65
1-24	Percentage Share of Energy Imports to Total Imports, by Value and Fuelwood Consumption to Total Energy Consumption and Index of Energy Consumption in Developing Countries, 1970, 1975 and 1982	71
1-25	Output of Main Forest Products, Total Developing and Developed Countries, 1974, 1981-83	72
1-26	Volume of Exports of Main Forest Products, Total Developing and Developed Countries, 1974, 1981-83	74
2-1	Projected Net Additions and Percentage of Change in Total, Urban and Rural Populations, by Region, 1980-2000	80
2-2	Total, Urban and Rural Population Projections, by Developing Region, 1980-2000	81
2-3	Projected Populations of the 40 Largest Metropolitan Areas by 2000 and their 1970-80 Growth Rates	82
2-4	Projected Populations, Percentage of Urban Populations and Number of Cities Larger than Four Million, by 2000	83
2-5	Percentage of Population Living in Urban Areas, by Region, 1960-2000	86
2-6	Urban-Rural Ratio of Net Additions to Population in Developing Countries and Percentage of Change in Ratio	93
2-7	Additional Production Expressed in Wheat Equivalents, Required per Agricultural Worker in 2000 to Feed Additions to Urban Population, 1980 to 2000	95
2-8	Changes in Food Consumption Patterns Between Rural Areas and Cities; Tunisia and Brazil	102

2-9	Differences in Average Urban and Rural Caloric Intake in Selected Countries	103
2-10	Percentage of Income Spent on Food by the Lowest Income Quartile in Selected Cities in Latin America	104
2-11	Estimated Increase in Food Requirements (Wheat Equivalent) from Additional Urban Population by 2000	106
BOXES		
1-1	Abnormal Food Shortages and Emergency Food Aid (T) WFP Emergency Operations Approved Annually, 1981-84	13
1-2	<pre>Prices of Commodities and Value of Trade in Terms of the U.S. Dollar and ECU (Fig) ECU per U.S. Dollar (T) Changes in International Export Prices of Selected Agricultural Commodities in Terms of the U.S. Dollar and ECU, 1983-84</pre>	20
1-3	Consumer Food Prices and Wages	46
1-4	1985: International Year of the Forest	69
2-1	The Primate City: Mexico City	81
2-2	Urbanization in East Africa (T) Population of Selected Urban Centres in Mainland Tanzania, 1948-1978	87
2-3	Rural and Urban Fertility and Mortality Differentials (T) Rural-Urban Total Fertility Rates and Ratios	92
2-4	The Effects of Migration on the Composition of the Labour Force (T) [male-female ratio] (T) [dependency ratio]	94
2-5	Methodology Used to Estimate Food Production and Consumption in 2000	96
2-6	Migration and Urban Growth (Fig) Increases in Urban and Rural Population for Three Scenarios by 2000	98
2-7	Urbanization and the Increasing Scarcity of Fuelwood in some Developing Countries	100
2-8	Urbanization and Food Imports (T) Changes in Urban to Total Population, 1970-80 (Fig) Urbanization and Food Imports	108
2-9	The International Conference on Population 1984	113
2-10	An Integrated Programme: The Case of the Republic of Korea	114
2-11	Transmigration: The Experience of Indonesia	115

FIGURES

1-1	World Export Price Indices of Food and Non-Food Agricultural Commodities	18
1-2	Population, Number and Per Caput GDP of 90 Developing Countries, by Changes in Dietary Energy Supply (Calories/Person/Day) Between 1969-71 and 1979-81	41
1-3	Shipments of Food Aid, Cereal and Non-Cereals, 1971-72 to 1982-83	44
1-4	Stocks of Cereals, 1971 to 1983	45
1-5	Annual Rate Change of Food (Crops and Livestock) Production in Relation to Population Growth for 105 Developing Countries, 1974-84	50
1-6	Consumption and Imports of Fertilizers	52
1-7	Export Prices of Fertilizers	53
1-8	Sectorial Structure of World Exports 1970 and 1981	54
1-9	Agricultural Trade of Developed and Developing Regions, Percentage of Shares, by Origin and Destination, 1970 and 1981	55
1-10	Commodity Composition of Agricultural Trade, Developed and Developing Countries, 1971-73 and 1980-82	57
1-11	Percentage of Shares of Concessional Capital Commitments to Agriculture in the Four Developing Regions and in LDCs	61
1-12	Indices of Fishery Production	64
2-1	Total Urban and Rural Population Projections in Developed and Developing Countries, 1980 and 2000	80
2-2	Evolution of Population, Food Production, Marketing and Nutrition with Economic Development	91
ANNEXI	ES	
1-1	Major Economic, Market and Institutional Events Related to Agriculture, 1973-84	75
2-1	List of Regions and Countries Used in Chapter 2	124
ANNEX	TABLES	
A-1	Volume of Production of Major Agricultural, Fishery and Forest Products	126
A-2	Indices of Food Production	134
A-3	Indices of Agricultural Production	136
A-4	Volume of Exports of Major Agricultural, Fishery and Forest Products	138

A-5	World Average Export Unit Values of Selected Agricultural, Fishery and Forest Products	146
A-6	Volume of Imports of Major Agricultural, Fishery and Forest Products	147
A-7	Indices of Value of Exports of Agricultural, Fishery and Forest Products	155
A-8	Indices of Volume of Exports of Agricultural, Fishery and Forest Products	157
A-9	Indices of Value of Imports of Agricultural, Fishery and Forest Products	159
A-10	Indices of Volume of Imports of Agricultural, Fishery and Forest Products	161
A-11	The Importance of Agriculture in the Economy	163
A-12a	Resources and Their Use in Agriculture	166
A-12b	Resources and Their Use in Agriculture	169
A-13	Measures of Output and Productivity in Agriculture	172
A-14	Carry-Over Stocks of Selected Agricultural Products	175
A-15	Annual Changes in Consumer Prices: All Items and Food	176
A-16	Per Caput Dietary Energy Supplies in Relation to Nutritional Requirements in Selected Developed and Developing Countries	179
A-17	Annual Agricultural Shares of Total Official Commitments to All Sectors (Broad Definition), by Multilateral and Bilateral Sources, 1976-83	181
A-18	Percentage Distribution of Official Commitments to Agriculture (Broad Definition), by Multilateral and Bilateral Sources, 1976-83	182
A-19	Percentage Distribution of Official Commitments to Agriculture (Excluding Technical Assistance Grants), by Purpose, 1976-83	183
A-20	DAC Countries: Bilateral ODA Commitments from Individual Countries and Proportion to Agriculture (Broad Definition)	184
A-21	Distribution of Official Commitments (Excluding Technical Assistance Grants) to Agriculture (Broad Definition) from All Sources, by Region and Economic Groups, 1976-83	185

Glossary of abbreviations and terms

λρεηλ	Arch Donk for Descende D. J
ABEDA	Arab Bank for Economic Development in Africa
ACP	African, Caribbean and Pacific States
ACPE	Asian Centrally Planned Economies
ADB	African Development Bank [also: AfDB]
ADF	African Development Fund
AFESD	Arab Fund for Economic and Social Development
AGRHYMET	Programme for Meteorological Forecasting in the Sahel
AsDB	Asian Development Bank
ASEAN	Association of Southeast Asian Nations
CAP	Common Agricultural Policy (EEC)
CASAR	Committee for Action on Regional Food Security (of SELA)
CFA	Committee on Food Aid Policies and Programmes
CGIAR	Consultative Group on International Agricultural Research
CMEA	Council for Mutual Economic Assistance
COFO	Committee on Forestry
DAC	Development Assistance Committee (OECD)
DES	Dietary Energy Supplies
ECU	European Currency Unit
EEC	European Economic Community
ECOWAS	Economic Community of West African States
EEZ	Exclusive Economic Zones
FAC	Food Aid Convention
GATT	General Agreement on Tariffs and Trade
GDP	Gross Domestic Product
GNP	Gross National Product
IBRD	International Bank for Reconstruction and Development
ICARA	International Conference on Assistance to Refugees in Africa
IDA	International Development Association
IDB	Islamic Development Bank [also: IsDB)
IEFR	International Emergency Food Reserve
IFAD	International Fund for Agricultural Development
IFS	International Fertilizer Scheme
IIASA	International Institute for Applied Systems Ananlysis
IMF	International Monetary Fund
INFOFISH	Market Information Service for Fishery Products in the Asia and Pacific Region
INFOPESCA	Market Information Service for Fishery Products in the Latin American Region

LDCs	Least Developed Countries
MCA	Monetary Compensatory Amount
OAU	Organization of African Unity
OCA	Official Commitments to Agriculture
ODA	Official Development Assistance
OECD	Organization for Economic Cooperation and Development
OFID	OPEC Fund for International Development
OPEC	Organization of Petroleum Exporting Countries
PCE	Private Consumption Expenditure
PIK	Payment-in-Kind (U.S. programme)
PSC	Population Supporting Capacity
SADCC	Southern Africa Development Coordination Conference
SDR	Special Drawing Rights
SELA	Sistema Economico Latino Americano
SITC	Standard International Trade Classification
SOFA	State of Food and Agriculture
TCDC/ECDC	Technical/Economic Cooperation Among Developing Countries
TCP	Technical Cooperation Programme
UNCTAD	United Nations Conference on Trade and Development
UNDP	United Nations Development Programme
UNEO	United Nations Emergency Operation
UNFPA	United Nations Fund for Population Activities
UNICEF	United Nations Children's Fund
UNIDO	United Nations Industrial Development Organization
WCARRD	World Conference on Agrarian Reform and Rural Development
WFC	World Food Council
WFP	World Food Programme
WMO	World Meteorological Organization

Explanatory note

The following symbols are used in statistical tables:

```
- none, or negligible ... not available
```

"1981/81" signifies a crop, marketing or fiscal year running from one calendar year to the next; "1979-81" signifies the average for three calendar years.

Figures in statistical tables may not add up because of rounding. Annual changes and rates of change have been calculated from unrounded figures. Unless otherwise indicated, the metric system is used throughout. The dollar sign (\$) refers to U.S. dollars.

PRODUCTION INDEX NUMBERS 1/

The FAO index numbers have 1974-76 as the base period. The production data refer to primary commodities (for example, sugar cane and sugar beet instead of sugar) and national average producer prices are used as weights. The indices for food products exclude tobacco, coffee, tea, inedible oilseeds, animal and vegetable fibres, and rubber. They are based on production data presented on a calendar-year basis.

TRADE INDEX NUMBERS 2/

The indices of trade in agricultural products also are based on 1974-76. They include all the commodities and countries shown in the 1983 issue of the FAO Trade Yearbook. Indices of total food products include those edible products generally classified as "food".

All indices represent the changes in the <u>current</u> values of export (f.o.b.) and imports (c.i.f.), all expressed in U.S. dollars. If some countries report imports valued at f.o.b., these are adjusted to approximate c.i.f. values. This method of estimation shows a discrepancy whenever the trend of insurance and freight diverges from that of the commodity unit values.

Volumes and unit value indices represent the changes in the priceweighted sum of quantities and of the quantity-weighted unit values of products traded between countries. The weights are respectively the price and quantity averages of 1974-76, which is the base reference period used for all the index number series currently computed by FAO. The Laspeyres formula is used in the construction of the index numbers.

^{1/} For full details, see FAO Production Yearbook 1983, Rome, 1984.
7/ For full details, see FAO Trade Yearbook 1983, Rome, 1984.

REGIONAL COVERAGE

The regional groupings used in Chapter 1 follow the "FAO country classification for statistical purposes." The coverage of the groupings is in most cases self-explanatory. The term "developed countries" is used to cover both the developed market economies and the centrally planned economies of Eastern Europe and the USSR, and "developing countries" to cover both the developing market economies and the Asian centrally planned economies. Israel, Japan and South Africa are included in the totals for "developed market economies." Western Europe includes Yugoslavia, and the Near East is defined as extending from Cyprus and Turkey in the northwest to Afghanistan in the east, and including from the African continent, Egypt, Libya and the Sudan. Totals for developed and developing market economies include countries not elsewhere specified by region.

In Chapter 2, the regional groupings used are based on the UN, Estimates and Projections of Urban, Rural and City Populations, 1950-2025: The 1980 Assessment, New York, 1982 (see Annex 2-1).

DEFINITIONS OF "NARROW" AND "BROAD"

The OECD definitions of agriculture are generally used in reporting on external assistance to agriculture. The "narrow" definition of agriculture now referred to as "directly to sector" includes the following items:

appraisal of natural resources development and management of natural resources research supply of production inputs fertilizers agricultural services training and extension crop production livestock development fisheries agriculture, sub-sector unallocated

The "broad" definition includes, in addition to the above items, activities that are defined as "indirectly to sector". These activities are:

forestry manufacturing of inputs agro-industries rural infrastructure rural development regional development river development

INTRODUCTION

In late 1974, the World Food Conference marked international recognition of a series of events that became known as the world food crisis. Attention was focused during the crisis on fears that the world had entered into a phase that would be marked by periodic surpluses and shortages, and high volatility of world food supplies and prices. There was widespread concern that the demand of developing countries for food would far outstrip their domestic production capacities. Concerted action was sought at both national and international levels to expand food production, particularly in developing countries, to enhance food security, and to strengthen international support for the domestic efforts of developing countries.

This year's <u>State of Food and Agriculture</u> reviews some of the developments that have occurred since the early 1970s as a background for its yearly assessment of the current food and agricultural situation. It focuses on selected issues that have evolved from the time of the food crisis of the early 1970s, with particular reference to the food situation in developing countries.

Although the economic recovery continued to gain momentum in industrial countries in 1984, it was unevenly distributed. Its beneficial effects on agriculture have yet to be determined. Agricultural trade did not recover in 1983 and remained well below the levels of 1981.

Flows of external assistance to agriculture continued to be affected by budgetary stringency in donor countries, and their concessional element appears to have declined in 1983. World agricultural production in 1984 was, however, reasonably good, this being particularly true for cereals in North America and Europe. Confronting rather weak demand, a consequence of the economic recession, these high levels of cereal production have resulted in increased stocks. Although these stock levels are not exceptionally high in relation to consumption, they have led to depressed world market prices in recent months. The continued strength of the U.S. dollar against most other currencies also has contributed to low market prices in dollar terms. The gain in agricultural output in developing countries in 1984 was less than the average for the previous five-year period (1980-84), but exceeded population growth. Regional progress was uneven and differences in output gains were less than in 1983.

Despite some improvement in the food situation in some West African countries, a large number continue to face food emergencies in 1985, particularly in East Africa and the Sahel. The situation in Ethiopia and Chad assumed critical proportions in 1984. Emergency assistance will continue to be required if catastrophic famine is to be averted.

Turning to long-term developments, global progress has been made in agricultural and rural development since the early 1970s. Per caput dietary energy supplies (DES) have improved in two-thirds of the 90 developing countries reviewed. Yet food production increases in developing countries have failed to meet the production targets established at the time of the World Food Conference. Regional performances have been very uneven. Asia has shown improvement, but Africa, in particular, has slipped back. There is an even more marked polarization among countries in the average availability of food.

A major feature in the evolution of food supply patterns is that food imports have provided the major share of the additional calorie availability in those countries where significant nutritional improvements have been achieved. Relatively high-income developing countries have accounted for most of the increase in food imports. Nevertheless, it is in low-income countries that food imports represent a higher proportion of per caput incomes. A majority of developing countries have been spending an increasing amount of their export earnings on food imports since the early 1970s, and many of them simply cannot afford to import more food on commercial terms.

The dilemma facing many food policymakers is that the demand for food, fuelled by population and income growth, may exceed the domestic capacity to satisfy it. Unless food imports are allowed to rise in these situations, people's food needs will not be met. Yet rising food imports may be detrimental to domestic food production and foreign exchange balances.

The experience of the 1970s has underlined the growing interdependence of food production and trade and the international policies affecting them. Institutional developments that reflect this greater interdependence, have taken place since the food crisis. For example, the Food Aid Convention (FAC) has been enlarged; the International Emergency Food Reserve (IEFR) and the International Monetary Fund (IMF) cereal import facility has been established; the importance of international action in supporting and strengthening equitable rights for people in agriculture recognized by the World Conference on Agrarian Reform (WCARRD); the New Law of the Sea put into operation; and a programme of action on new and renewable sources of energy prepared.

While achievements are only modest relative to needs, they do at least demonstrate wider recognition of the need for international negotiation and action related to food and agriculture. One major challenge is the articulation of a coherent vision of how to promote and sustain equitable growth and welfare. Another is how to muster the political will to face the necessary costs of fulfilling this vision domestically and internationally. The mustering of political will, in particular, has been made more difficult by the economic and financial difficulties that have beset developed as well as developing countries.

A special chapter in <u>The State of Food and Agriculture 1984</u> focuses on the implications of urbanization trends and rural-urban migration on food production and marketing. Urbanization and associated rural-urban migration pose a challenge to agriculture, forcing it to adjust to new market conditions under changing systems of production. In so doing, it creates both opportunities and problems. Furthermore, it is not a selfadjusting process, and measures may be needed to adjust the rate of urbanization to allow other socio-economic objectives to be achieved.

Urbanization, agriculture and rural development are interdependent, and policies covering a wide range of areas such as health care, education, transport, food and agriculture, must be integrated. More direct actions are also possible. First, planners can modify the rate of ruralurban migration, perhaps most effectively by making living in rural areas more worthwhile. Second, they can help food systems--production and marketing--to adjust to the opportunities and challenges created by urbanization. Third, they can affect the balance of competition for water and other natural resources by ensuring that consumers bear the cost of using them.

It is appropriate that this long-term assessment by <u>The State of Food</u> and <u>Agriculture</u> should address these important issues because 1984 also marked the occasion of the United Nations World Population Conference held in Mexico.

CHAPTER 1 WORLD REVIEW

1. THE ECONOMIC, FINANCIAL AND TRADE ENVIRONMENT

Developments in the Last Decade

The early 1970s introduced a period of economic and financial turbulence and a slower growth in economic activity (Table 1-1). With the collapse of the Bretton Woods system of fixed exchange rates in 1971, rapid shifts in the competitive position of trading countries occurred that introduced an element of uncertainty into international transactions. The 1972-74 food crisis and the surge in commodity prices, particularly the 1973-74 quadrupling of oil prices, contributed to a short but deep recession in 1974-75. After an adjustment in the world economy the following three years, there entered another, more prolonged period of recession in 1979-80. This caused a faltering growth in production and trade combined with strong inflation, unusually volatile exchange and interest rates, and a massive international debt problem. By 1984 the external debt of developing countries had reached \$827 000 million and was expected to expand further to \$863 000 million in 1985.

For most developing countries, the consequences of these events, particularly the post-1979 recession, were severe economic blows. Although their actual experience depended on how well their economies were able to adjust to the changing economic situation, many faced serious repayment problems because of the decline in export earnings and a sharp increase in interest rates. The external debt of non-oil developing countries rose to a peak of 150% of export earnings in 1983, and this share was expected to decline only moderately in 1984 and 1985. As a result, debt issues have dominated the international economic and financial scene as well as North-South economic relations. A rescheduling of official and private debts has been concluded by several debtor countries with their creditors. Rescheduling operations were accompanied by the implementation of economic adjustment programmes aimed at redressing the economies of debtor countries. These programmes introduced serious austerity measures and included policy reforms as well as cuts in public expenditure, consumption and imports.

External financial resources available to developing countries declined drastically. New lending on commercial terms to developing countries was at an annual rate of only \$10 000 million in the first nine months of 1983, only one-fifth of the amount for 1981. As a consequence, in 1983 there was an unprecedented net outflow from developing countries estimated at \$11 000 million. Total official development assistance (ODA) also declined in real terms since 1981, after an annual growth of over 5% in the 1970s. This development has been particularly damaging to lowincome developing countries that rely heavily on ODA to maintain their investment levels and is thus jeopardizing their future economic growth.

The Agricultural Sector

Nor have these events left the agricultural sector untouched. Agriculture was adversely affected by low commodity prices and weak markets that have characterized the recent years, while it benefited from the commodity price boom of 1977-78. Marked downturns in prices have had a serious impact on farm incomes in many countries. Incomes also have been affected by a weakening of agriculture's productive capacity by a slackening of rural investment from commercial and official sources. Agriculture had to adjust to rapidly rising costs of inputs such as fuel, fertilizer (at times), and interest rates on capital. In some cases, supplies of inputs have faltered because foreign exchange has not always been available to import them. TABLE 1-1. ANNUAL CHANGES IN SELECTED ECONOMIC AND FINANCIAL INDICATORS, 1973-84

			:							1		
	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
						•	0,0	•	•			•
OUTPUT Industrial countries Oil-exporting countries Non-oil developing countries	6.1 10.7	0.5 8.0	-0.6 -0.3	5.0 12.3	8°30 0°30 0°30	4.1 2.3 6.4	3.5 3.7 5.0	1.3 -2.1 5.0	1.6 -4.1 3.1	-0.2 -4.2 1.7	2.6 -0.8 1.8	4.9 3.8 .7
CONSUMER PRICES Industrial countries Oil-exporting countries Non-oil developing countries	7.7 11.3	13.1 17.1	11.1 18.8	8.3 16.8	8.4 15.2 23.6	7.2 12.0 20.8	9.0 10.9 24.8	11.8 13.2 31.4	9.9 13.2 30.1	7.4 8.1 30.3	4.9 10.0 41.4	4.9 10.8 44.5
EXPORT VOLUMES Industrial countries Oil-exporting countries Non-oil developing countries	13.2 14.2 9.3	7.0 -1.6 -0.1	-4.2 -11.7 -0.3	10.6 14.3 11.3	5.3 0.4 2.2	6.2 -3.2 9.7	7.6 1.6 8.1	3.9 -12.2 9.0	3.3 -15.2 7.7	-2.3 -18.5 1.7	2.6 -7.5 5.8	8.6 6.0 9.1
IMPORT VOLUMES Industrial countries Oil-exporting countries Non-oil developing countries	11.5 20.6 11.5	1.4 38.5 7.6	-8.1 41.4 -4.1	13.3 20.6 4.5	4.4 16.7 7.4	5.2 3.4 8.6	8.6 -8.5 10.6	-1.5 12.4 7.3	-2.2 21.3 3.1	-0.6 5.9 -8.2	4.4 -10.9 -1.8	11.9 -2.7 6.4
TERMS OF TRADE Industrial countries Oil-exporting countries Non-oil developing countries	-1.8 13.3 5.3	-10.6 140.0 -5.9	2.5 -5.1 -8.5	-1.0 5.8 5.9	-1.2 1.1 6.7	2.8 -10.2 -4.1	-3.5 28.3 0.7	-6.9 43.4 -3.8	-1.6 11.3 -5.1	2.0 -0.3 -3.3	2.2 -9.3 0.8	0.3 -2.3 1.7
US REAL INTEREST RATES Money market rates Inflation rates Real interest rates	8.7 6.2 2.5	10.5 11.0 -0.5	9.1 9.1 9.1	5.1 5.8 -0.7	5.5 6.5 -1.0	7.9 7.6 0.3	11.2 11.3 -0.1	13.4 13.5 -0.1	16.4 10.4 6.0	12.3 6.2 6.1	9.1 3.2 9.9	10.5 <u>a/</u> 4.3 <u>a/</u> 6.2 <u>a/</u>
EXTERNAL DEBT RATIO (as % of exports goods & services) Non-oil developing countries	• • •	:	•	• •	129.5	131.0	119.5	113.1	125.0	148.3	154.4	147.4
a/ Based on three-quarters of 1984.												Book - Book - Book - Book

Sources: IMF, World Economic Outlook, 1984 and IMF, Financial Statistics, various issues.

Protectionism in Agricultural Markets

Another consequence of the major economic shifts that took place after 1974 was the increase in trade protectionism. While protectionism has become a permanent feature of agricultural trade, pressures intensified considerably with the two major economic downturns of 1974-75 and particularly 1980-82. Faced with the problems posed by growing pressures for agricultural adjustment, deteriorating farm incomes and limited opportunities for alternative jobs outside agriculture, many major trading countries resorted to more market intervention and import restrictions. High interest rates and depressed world market prices, particularly between 1980 and 1983, resulted in heavy financial losses in rural areas and intensified domestic calls for agricultural protection. Exchange rate uncertainties compounded the difficulties of planning long-run sectoral adjustments. Wide exchange rate fluctuations also had the side-effect of rendering the practical results of painfully negotiated tariff concessions often irrelevant.

The effects of these factors on agricultural trade are difficult to quantify. The evidence does support, however, the claim that agricultural protectionism in the major trading zones has remained generally high. 1/ Moreover, the economic recovery under way does not offer much encouragement, at least in the short run. In many large trading countries, highly protected agriculture has permanently lost its competitiveness and the ongoing economic recovery is not expected to alleviate the problems of excess agricultural capacity in the near future. Agricultural trade policies in many major importing countries have become inextricably linked to domestic policies developed in response to internal socio-economic problems. Experience has also shown that protection measures, such as export subsidies and restraints on imports, cannot be easily dismantled once they have been introduced.

The accentuation of agricultural support and trade-restricting measures has not been limited to the major importing countries. Many developing countries adopted tighter restrictions on trade as an inevitable reaction to formidable debt-servicing problems, difficulties of market access for their exports and a limited capacity to introduce adjustment measures and austerity programmes. The losers to agricultural protectionism have not been confined to developing countries with agricultural export potential or to traditional developed country exporters. Indeed, the fact that the developed countries have become increasingly dependent on export markets as outlets for excess supplies of food products has exposed them more to the effects of trade protectionism in agriculture. A willingness to discuss these measures has therefore become more pronounced.

Present Situation and Outlook

According to estimates by the IMF and the Organization for Economic Cooperation and Development (OECD), the world economy made better progress in 1983 and 1984 than it had in the several preceding years. GNP in the OECD increased by 2.6% in 1983 and by 4%-5% in 1984, with increasing employment and a reduction in inflation rates to their lowest average level in 15 years in the seven largest economies. The output of OECD countries is expected to decelerate, however, in 1985 and early 1986. Inflation was forecast to increase slightly in the United States and Japan, but to decline further in Europe. The increase in the volume of world trade, around 2% in 1983, accelerated to more than 6% in 1984.

<u>1</u>/ See FAO, <u>The State of Food and Agriculture 1982</u>; and <u>Protectionism in Agricultural Trade: Review of Action Taken on Conference Resolution</u> <u>2/79</u>, Rome, CCP 83/19, August 1983.

The economic recovery, though hesitant, has provided some relief to developing countries. The export prices of some major commodities have increased but not strongly nor uniformly, and interest rates have eased compared with peak levels, even though they remain high in real terms.

Developing countries as a whole, however, continued to face slow economic growth in 1983 (between 1% and 2% average growth in non-oil developing countries). Accelerated economic expansion in industrial countries, increased trade and lower oil prices were expected to favourably influence the economic performance of most developing countries in 1984. Their per caput incomes are likely to have increased again in 1984, having stagnated in 1983 and declined in 1982.

Although the current account deficit of non-oil developing countries is being reduced significantly (from a peak of \$108 000 million in 1981 to \$52 600 million in 1983, and possibly \$45 000 million in 1984 and 1985), it is at the cost of severe economic adjustments and emergency financing arrangements. Unlike industrial nations, developing countries generally have failed to reduce price inflation. Among regions, only Asia has had reduced inflation rates.

As recovery proceeded in 1984, growth spread to most industrial countries, inflationary pressures eased and some progress was achieved in reducing unemployment. However, the recovery is still vulnerable and many uncertainties remain. Prospects for sustained growth depend very much on the overall macro-economic policies of developed countries and on the ability of developing countries to benefit from a continuing and broadening economic recovery in the industrialized countries.

Two examples quantify this developed-developing country interdependence. According to the IMF:

- An increase of 1 percentage point in the average annual rate of economic growth of industrial countries between 1984 and 1986 could result in an increase of about 3% in the average annual growth rate in the value of exports of non-oil developing countries, equivalent to \$35 000 million by 1986.
- Each increase of 1 percentage point in world interest rates adds \$3 500 million to \$4 000 million to the cost of servicing the debt of non-oil developing countries.

Developing countries need to expand their exports not only to service their debt, but also to earn the foreign exchange necessary for the import of capital goods and production inputs. Therefore, it is of utmost importance that the access of their export commodities and products to developed country markets be assured, if they are to benefit from and contribute to the world economic recovery. Trade liberalization is indeed an important factor for growth and development of both developed and developing countries. The efforts being made to check protectionism and eliminate other trade distortions and restrictions could lead to the expansion of agricultural trade and create favourable conditions for sustained and dynamic economic growth.

Developing countries have been diverting considerable resources to service their burgeoning debt, with the result that the investment necessary to expand or at least maintain a productive base has been reduced, in some cases very drastically. Soaring interest rates and the strengthening of the U.S. dollar (the currency in which most international debt is denominated) against their currencies have contributed to increasing their debt-servicing burden and to diverting resources from productive sectors such as agriculture. This situation has worsened since commercial lending to developing countries has been reduced drastically, primarily because of the decline in the credit-worthiness of developing countries. Indeed, the over indebtedness of these countries impedes any further large-scale borrowing on commercial terms. What is needed in the short term is a large transfer of resources under concessional terms to rehabilitate the productive sectors of developing countries and to enable them to participate in the economic recovery that is under way.

The prospects for increased concessional assistance are bleak, however, if recent events in this area continue. Total external assistance of official commitments to agriculture (OCA) decreased in 1983 in current and constant prices. The International Development Association's (IDA) seventh replenishment was limited to \$9 000 million rather than the \$12 000 million expected or the \$16 000 million hoped for. The proposed supplementary funding arrangement for IDA has not materialized. The replenishment of the International Fund for Agricultural Development (IFAD) for 1985-87 also has faced serious difficulties. It is hoped that some progress will be made on these issues as well as the special financing facility established by the World Bank to address developmental and financial needs of sub-Saharan Africa.

Few significant recent policy measures can be reported for major trading countries in the area of price support or export subsidization that would lead to less restricted trade, such as the proposed cuts in U.S. government support to farm prices under the 1985 Farm Bill, which is under active discussion. In the field of multilateral negotiations, some results in checking tariff escalation have continued to be made under the follow-up to the Tokyo Round negotiations. However, little progress can be recorded in the far more evasive non-tariff front beyond the establishment of 'codes of conduct' for trading partners. Some expectations arise from work under way by the GATT Committee on Trade in Agriculture, which aims, among other things, at bringing export subsidies and other forms of export assistance within the purview of strengthened and more operational-ly effective GATT rules and disciplines. As regards preferential treatment to developing country exports, the narrow agricultural coverage of existing schemes in relation to that for industrial products, remains. Moreover, the trend in industrial countries has been to impose low quotas on competitive suppliers and extend more liberal treatment to those countries that are less able to benefit from it.

2. CURRENT SITUATION AND OUTLOOK

Food and Agricultural Production

Estimates for 1984 indicate that world food and agricultural production was more than 4% higher than in 1983, thus recovering from the setback suffered in 1983 (Table 1-2). The 4.5% increase in agricultural production is the highest registered since the 4.8% increase of 1973. World crop production is expected to increase by more than 6%, one of the best results achieved in the last decade. However, livestock production will increase by less than 2% because of less favourable conditions and incentives for milk production, and cyclical and demand factors affecting meat production.

Agricultural output of developing countries increased by 2.9%, less than the average of the last five years (1980-84) during which the annual growth was 3.6%, but above a population growth of about 2%. In Asia the large production increase of 1983 was consolidated; the combined increase of 1983 and 1984 was between 9% and 10%. Latin America and the Near East had more favourable weather and production recovered somewhat. Some recovery in food and agricultural production was also recorded in Africa, but this was owing mainly to improved production in the coastal countries of western Africa. ANNUAL CHANGES IN WORLD AND REGIONAL FOOD, AGRICULTURAL, CROP AND LIVESTOCK PRODUCTION TABLE 1-2.

	FC	Food	Agriculture	lture	Crops	bs	Live	Livestock
	1982 to 1983	1983 to 1984	1982 to 1983	1983 to 1984	1982 to 1983	1983 to 1984	1982 to 1983	1983 to 1984
	• • • •		•	0,0	•	• • • • •	•	• • • •
Developing market economies	2.5	2.4	2.7	2.4	2.6	2.9	2.3	1.9
Africa		•	•	•	•		•	1.1
Far East	8.2	1.7	7.6	1.9	8.4	1.8	4.4	2.6
Latin America		•	٠	٠	•	٠	I	1.3
Near East		•	•	•	•	•	3•8	2.7
Asian centrally planned economies (ACPE)	6.5	3.1	6.4	4.2	7.2	4 • 6	5.1	4.7
Developing countries	3.6	2.6	3.8	2.9	4 • 1	3•5 2	3•0	2.6
Developed market economies	-6.3	7.6	-6.7	8 - 1	-12.8	14.3	0.0	
4			• >	•	• 1	•	•	•
North America	9	•	Ľ.	•	ം ഹ	•	٠	-1.2
sournwest racillo Western Europe	-1.2	ו איי	z1.4	U 4	-6.0 -6.0	90	Т•2 - Г	0 ° 0 0 7
Others		•	i m	• •	50	• •	• •	2.7
Eastern Europe and USSR	3.0	1.9	2.7	2.0	1.2	-0.1	4.4	4.0
Developed countries	-3.2	5.6	-3.5	5.9	-8.2	9.1	2.9	1.5
World	-0.2	4.2	-0.2	4 . 5	-2.0	6.1	2.9	1.8

Source: FAO, Statistics Division

Many countries in southern and eastern Africa were afflicted by drought. Fifteen countries that were already affected in 1983/84 are again facing serious food supply problems in 1984/85, and food supplies in another six countries are threatened. The problems are most acute in Chad, Ethiopia, Mali, Mauritania, Mozambique, Niger and Sudan.

In developed countries food and agricultural production has gone up between 5% and 5.5%. Much of this increase is a consequence of the North American recovery from the sharp decline of 1983, reflecting both increased plantings and favourable weather. Western Europe also had exceptionally good harvests of cereals, and some progress was made in the USSR and Eastern Europe. Crop production in the Southwest Pacific fell back a little from the very good results achieved in 1983.

Cereal production, including rice in paddy equivalent, is estimated to have achieved a new record of at least 1 780 million tons in 1984, an increase of 138 million tons, or more than 8% (Table 1-3). Production of oil-bearing crops is expected to have increased by nearly 10%, but those of sugar and pulses by only very small amounts. Among non-food crops, cotton lint production should have gone up by 20% and tea by nearly 7%. Tobacco output is estimated to have been between 4% and 5% higher than in 1983, while coffee production is likely to have declined by more than 3%.

Outlook for Cereals in 1984/85

Large supplies of cereals in exporting countries resulting from record levels of production in 1984 are not expected to be completely absorbed by domestic and export demands. As a result, world cereal stocks at the end of 1984/85 are expected to recover significantly from the sharp fall of 1983/84. At a level of 295 million tons, cereal carry-over stocks are forecast to be 28 million tons (10%) larger than in 1983/84. This volume of stocks represents 18% of expected world consumption compared with 17% in 1983/84.

Cereal stocks by the close of 1984/85 are expected to be composed of the following commodities:

Wheat:	142 million tons, nearly 8% more than the year's
	beginning stocks
Course grains:	105 million tons, nearly 17% more
Rice (milled):	47 million tons, 7% more.

As of early March 1985, the world <u>imports</u> of cereals in 1984/85 are forecast to be 211 million tons, 11 million more than in 1983/84 and a quantity exceeded only in 1981/82 (212 million tons):

Wheat:	103 million tons, 4% more than in 1983/84
Coarse grains:	96 million tons, 8% more than in 1983/84
Rice:	12 million tons, no change from 1983.

Imports of wheat by developing countries in 1984/85 are forecast at 64 million tons, less than 1 million tons above the previous year's level. However, excluding China and India where domestic supplies are abundant, wheat imports by developing countries are expected to increase by almost 3 million tons, all of which would be in low-income food-deficit countries, mainly in Africa. Developed countries are expected to increase their wheat imports by 3 million tons to 39 million tons, reflecting record imports by the USSR (24 million tons).

Imports of <u>course grains</u> are expected to increase by 11% to 61 million tons in developed countries, again reflecting larger shipments to the USSR (at least 21 million tons), while those by developing countries may increase a little having remained almost unchanged in the two previous

COMMODITY
ВΥ
PRODUCTION,
AGRICULTURAL
1-3.
TABLE

	Deve	Developed countries	tries	Deve	Developing countries	ntries		World	
			Change			Change			Change
	1983	$1984\underline{a}$	1983-84	1983	1984 <u>a/</u>	1983–84	1983	1984 <u>a/</u>	1983-84
	(millic	(million tons)	(8)	(mill	(million tons)	(8)	(millic	(million tons)	(%)
Total cereals <u>b/</u> Wheat	752.6 301.0	869.4 312.6	15.5 3.9	889.8 195.7	910.6 199.5	2.3 1.9	1642.4 496.7	1780.0 512.1	8.4 3.1
Rice Coarse grains Root crops Dulses	22.22 429.4 203.5	26.1 530.7 215.4	17.7 23.6 5.8 2.8	427.9 266.1 351.2 33 5	438.4 272.8 369.8	2.2 0 0.0 7	450.1 695.5 54.7	464.5 803.4 585.2 45.0	ງ 10.52 ການ 20 ການ 20 กาม 20
Oil-bearing crops <u>c</u> / Oil content	19.3	22.6	17.2	34.3	36.3	5.7	53.6	58.9	n œ o o
Oil cake content Sugar, centrifugal (raw)	52 . 8 38 . 8	62.1 40.7	17.7 4.8	56.4 58.8	60.4 57.3	7.0 -2.4	109.2 97.6	122.5 98.0	12.2 0.4
Cocoa beans Coffee Tea	0•3	0•3	4 I 1	1.6 5.6 1.8	1.6 5.4 2.0	1.6 -3.4 7.2	1.6 5.6 2.1	1.6 5.4 2.2	1.6 -3.4 6.8
Cotton lint Tobacco	4.7 2.1	6.1 2.2	30 . 4 6 . 7	9.7 3.9	11.2 4.0	14.9 3.3	14.4 6.0	17.3 6.3	20.0 4.5
Total meat	92.3	93.8	1.7	48.0	49.2	2.5	140.3	143.0	1.9
Total milk	381.3	381.9	0.2	113.5	115.7	1.9	494.8	497.6	0.6
Hen eggs	18.4	18.6	6•0	10.5	10.9	4 . 1	28.9	29.5	2.1
a/ Preliminary.									

a/ Preliminary. b/ Including rice in terms of paddy. c/ Total harvested production.

Source: FAO, Statistics Division.

years. The overall increase is expected to be nearly 8% (96 million tons). Imports in Western Europe are forecast to be sharply lower owing to record barley crops and are expected to decline a little also in Eastern Europe. Japanese purchases, however, are expected to be larger (21 million tons). The drought-affected production of South Africa will again have to be supplemented by imports of coarse grain and feed wheat.

On 14 September 1984, the U.S. government published its acreage reduction programmes for 1985. A minimum 30% acreage reduction has been introduced for wheat. For feed grain, because its projected carry-over for 1984 was below a trigger level of 1 100 million bushels (just under 30 million tons), a much more modest 10% acreage reduction programme has been put in force. This action should ensure greater continuity of supplies of coarse grains in 1985/86. There will be no 'payment-in-kind' (PIK) provision for either wheat or feed grains in 1985.

Fertilizer Prices

The downward trend in the export prices of major fertilizers that started in 1980 was reversed from mid-1983. Particularly pronounced price rises affected urea and Western European ammonium sulphate (around 40%) and potassium chloride (around 15%) between October 1983 and 1984. The prices of diammonium phosphate and triple superphosphate rose strongly through 1983 only to fall back in the first-quarter of 1984. By October 1984, following another recovery, the prices of these two materials were 11% below or approximately equal, respectively, to the prices of the preceeding year.

Prices in the last months of 1984 were relatively stable because, although demand was strong, supplies were relatively abundant. However, most importing countries will be paying significantly more for fertilizers in 1985 because the U.S. dollar has strengthened considerably--about 9%-10%--against the currencies of its major trading partners during 1984.

Fertilizer Consumption and Production

World <u>consumption</u> of the three primary nutrients--nitrogen (N), phosphate (P) and potash (K)--combined declined for the second consecutive year in 1982/83 to nearly 115 million tons. However, the latest decline was only marginal compared with that of 1981/82 (Table 1-4). The fall in consumption was mainly accounted for by the developed market economies (particularly the United States) where consumption declined by about 12% in the three years 1980/81 to 1982/83 and by the latter year was below the level of 1977/78. Overall consumption resumed its upward trend in the developing market economies and recovered in the centrally planned economies, although the rates of increase recorded were well below those of the previous five years.

The fall in consumption in the Unitd States in 1981/82 and 1982/83 was a reflection of ample stocks of several products (especially cereals), weak product prices, the implementation of policies designed to reduce output and save production costs, and high interest rates. Drought also affected consumption in Australia.

In developing countries the declines in fertilizer consumption (15% in Latin America in 1981/82 and 10% in Africa in 1982/83), or the rather low rates of growth in consumption (in Asia) were due to a variety of factors such as poor weather, low product prices, problems with balance of payments and hence, restrictions on imports and, in Latin America particularly, changes in credit and pricing policies.

Production of the three major nutrients increased a little in 1982/83 to reach 121 million tons, but still failed to regain the level of 1980/81 (125 million tons). The modest increase of about 1% was due to a

considerable expansion in the developing market economies, mainly those in the Near and Far East regions. Production declined by 3%-4% in the developed market economies, however.

Preliminary estimates indicate that fertilizer consumption recovered in 1983/84, but mainly in North America and the centrally planned economies. There were only slight increases in Africa and Asia and a further decline in Latin America.

Meeting in February 1985, the Commission on Fertilizers noted with concern that the present growth rate in fertilizer use in developing countries was far below what was required to achieve self-reliance in food and food security. An appeal was made for increased bilateral and fertilizer aid channeled through the International Fertilizer Supply Scheme (IFS). The commission also expressed concern that the reduction in the rate of expansion in additional manufacturing capacity for nitrogenous fertilizers in the developed market economies would result in a possible deficit between supply and demand by the late 1980s.

Outlook for Fertilizer, Supply and Demand

The supply-demand balance for <u>nitrogenous</u> fertilizer was rather tight in 1983/84 (which explains the rapid strengthening of prices since mid-1983), but the situation is tending toward a small surplus for the next two to three years and, as indicated above, will possibly revert to excess demand by the late 1980s. The situation for <u>phosphatic</u> and <u>potassic</u> materials appears to be more toward a continuing excess supply although the surplus balances at the global level could be reduced toward the late 1980s.

				Cha	inge	Annual rate of change
				1981	1982	1979
				to	to	to
	1981	1982	1983	1982	1983	1983
	•••• m	illion to	ns	• • • • • • •		q
eveloped countries						
Nitrogen	22.97	22.21	20.97	-3.3	-5.6	-0.4
Phosphate	13.53	12.75	12.03	-5.8	-5.6	-3.5
Potash	12.32	11.67	11.14	-5.3	-4.5	-2.5
Total nutrients	48.82	46.63	44.13	-4.5	-5.4	-1.8
eveloping countries						
Nitrogen	12.19	12.79	13.32	4.9	4.1	5.4
Phosphate	6.64	6.10	6.39	-8.1	4.8	2.6
Potash	3.44	3.01	3.06	-12.5	1.7	1.1
Total nutrients	22.28	21.90	22.76	-1.7	3.9	4.0
Africa	1.43	1.50	1.35	4.9	-10.0	4.1
Far East	10.08	10.77	11.16	6.8	3.6	5.4
L. America	7.51	6.37	6.44	-15.2	1.1	0.6
Near East	3.24	3.23	3.80	-0.3	17.6	6.6
ACPE	16.30	16.22	16.99	-0.5	4.7	7.2
brld						
Nitrogen	60.73	60.31	61.02	-0.7	1.2	2.5
Phosphate	31.61	30.88	30.83	-2.3	-0.2	0.6
Potash	24.23	23.75	22.84	-2.0	-3.4	-1.4
Total nutrients	116.56	114,93	114.70	-1.4	-0.2	1.2

TABLE 1-4. FERTILIZER CONSUMPTION, BY MAJOR NUTRIENTS, 1981-83

Source: FAO, Land and Water Development Division.

BOX 1-1. ABNORMAL FOOD SHORTAGES AND EMERGENCY FOOD AID

By the end of 1984, 34 countries were reported to be experiencing abnormal food shortages, 26 in Africa, five in Asia and three in Latin America.* The situation had changed little from 1983 when 35 countries faced food shortages, 24 of them in Africa. At that time, in both years, 16 countries were reported as having unfavourable crop conditions.

The steadily rising amount of emergency food aid in recent years is shown in the table below. The IEFR has made increasing contributions to meet these needs, enabling allocations from the World Food Programme's (WFP) regular resources for such emergencies to be limited to \$45 million annually. In 1982 less than one-half this amount had been allocated, freeing a corresponding amount for WFP's development programme. However, in 1984 the rising costs of funding 63 emergency operations meant an allocation of over \$54 million to supplement the IEFR, despite record contributions to the reserve. It is estimated that currently about one-quarter of total food assistance is used for emergency needs.

In 1984, commitments to IEFR were 648 000 tons, comprising 608 000 tons of cereals and 40 000 tons of other food products, such as milk powder and vegetable oil. In 1983, the figures were 501 000 tons and 36 000 tons for cereals and other food products, respectively. These past two years have been the only ones when the IEFR annual replenishment target of 500 000 tons of cereal equivalent has been surpassed. The increase in 1984 was due partly to additional contributions of 64 000 tons made by a number of countries in response to a special appeal by the Director-General of FAO for emergency assistance to Africa.

The countries listed in Section 2, "Food Situation in Africa," (24 or 21 depending on the date referred to) are those suffering from severe drought in 1983 and 1984 and are included in the list of countries receiving assistance to rehabilitate their food and agricultural sectors.

Year	No. of operations	No. of countries	WFP regular resources	ICARA <u>b</u> /	IEFR	Total
	No.	No .	•••••	\$ million	1	
1981	53	30	44.4	1.0	132.9	178.3
1982	68	37	19.7	1.3	172.2	193.2
1983	68	36	45.0		155.3	200.3

WFP EMERGENCY OPERATIONS APPROVED ANNUALLY, 1981-84 a/

a/ Commitments as approved at the end of each year, including insurance funds.

 $\underline{b}/$ International Conference on Assistance to Refugees in Africa.

Sources: UN/FAO, <u>Annual Report of the Executive Director on the Develop-</u> ment of the Emergency Programme, 1982, WFP/CFA, (15/4, April 1983); and WFP, Resource Management Division.

Agricultural Trade

<u>Main features in 1983 and 1984</u>. According to GATT estimates, the volume of world merchandise trade in 1983 recovered by about 2% and regained the level of 1980-81. At least half of this growth in world trade in 1983 was accounted for by the increased import demand by the United States. Indeed, the seven largest economies of the OECD increased the volume of their imports by more than 6% in 1983, having reduced this volume in each of the years 1980-82. This increase is close to the annual average for the 1970s, but far below the increase of nearly 15% recorded in 1976 following the recession of 1974-75. Although there has appeared to be an acceleration in the volume and value of world trade since the last quarter of 1983 (GATT was expecting an increase in the volume of trade of 5%-6% in 1984), the overall response of world trade to the current recovery has been thus far relatively weak.

While manufactured goods recovered by more than 4% in volume terms in 1983, agricultural trade rose only 1%, far below the average rates of growth of the 1960s and 1970s. In value terms, world trade in agricultural products in 1983 failed to recover from the sharp downturn of the previous year. Exports of agricultural, fishery and forestry products declined further by approximately 1% in 1983, resulting in an overall 10% reduction in the value of these exports since 1981 (Table 1-5).

The reduction in agricultural trade in 1983, at a time of ample international supplies, reflected a number of economic and market factors:

- Improved domestic supply conditions and reduced import requirements in such large importing countries as the USSR, China, Brazil and Saudi Arabia;
- Inability to finance food import costs in many import developing countries facing balance of payment and debt problems; and
- A reduction in demand caused by the appreciation of the U.S. dollar, which implied for many importing countries higher prices in their own currencies.2/

The overall decline in world agricultural trade in 1983 reflected a reduction of about 2% in the export value of crop and livestock products, which account for over three-quarters of the total trade in agricultural, fishery and forestry products. There was a moderate increase in the trade of fishery products, which brought the value of world exports back to the 1981 level. Exports of forestry products rose by 2%, representing a partial recovery from the 9% decline of the previous year.

Trade in food products in 1983 was more depressed than that of other main groups of agricultural commodities (Table 1-6). World food exports stagnated at the previous year's level in volume terms. Cereal trade increased only marginally. In terms of value, food exports in 1983 were 3% smaller than the previous year and 15% smaller than in 1981. The increase in export earnings from raw materials and beverages, of major importance to many developing countries, was insufficient to compensate for the losses incurred in recent years.

<u>2/</u> For a fuller discussion of agricultural commodity trade, see FAO, <u>Commodity Review and Outlook 1984-85</u>, Rome, 1985.

				Change 1981		l rate hange 1979
	1981	1982	1983	to <u>a</u> / 1982	to 1983	to 1983
	00	0 milli	on \$	•••••	0	
AGRICULTURAL PRODUCTS	232.5	212.1	207.5	-8.8	-2.2	-0.6
Developing market economies ACPE	$66.0 \\ 4.4$	59.5 4.4	$61.7 \\ 4.0$	-9.8	3.7 -9.1	-1.2 -0.2
All developing countries	70.4				2.8	-1.2
Developed market economies Eastern Europe and USSR	152.5 9.6	139.1 9.1	133.6 8.2	-5.2	-4.0 -9.9	-0.1 -3.9
All developed countries	162.1	148.2	141.8	-8.6	-4.3	-0.3
FISHERY PRODUCTS	16.0	15.6	16.0	-2.5	2.6	2.6
Developing market economies ACPE All developing countries	5.7 1.0 6.7	5.9 0.9 6.8	6.0 1.0 7.0	10.0	1.7 11.1 2.9	5.5 4.6 5.3
Developed market economies Eastern Europe and USSR All developed countries	9.0 0.3 9.3	8.4 0.4 8.8	8.6 0.5 9.1		2.4 25.0 3.4	0.7 4.6 0.9
FOREST PRODUCTS	51.2	46.8	47.7	-8.6	1.9	-2.3
Developing market economies ACPE All developing countries	7.0 0.6 7.6	6.7 0.5 7.2	6.8 0.5 7.3	-16.7	1.5 1.4	-5.5 -3.6 -5.5
Developed market economies Eastern Europe and USSR All developed countries	39.9 3.8 43.7	36.0 3.7 39.7	36.7 3.7 40.4	-2.6	1.9 1.8	-1.8 -0.8 -1.7
TOTAL	299.8	274.6	271.2	-8.4	-1.2	-0.7
Developing market economies ACPE All developing countries	78.7 6.0 84.7	72.1 5.8 77.9	74.4 5.5 79.9	-3.3	3.2 -5.2 2.6	-1.2 -1.2
Developed market economies Eastern Europe and USSR All developed countries	201.4 13.7 215.1		178.9 12.4 191.3		-2.5 -6.1 -2.7	-0.4 -2.8 -0.6
Share of developing countries	28	•••• [%] •••• 28	29			

TABLE 1-5. VALUE OF WORLD EXPORTS OF AGRICULTURAL (CROP AND LIVESTOCK), FISHERY AND FOREST PRODUCTS AT CURRENT PRICES

<u>a</u>/ Preliminary.

Source: FAO, Statistics Division.

	1981	1982	1983 <u>a</u>	<u>Cha</u> 1981 to a/ 1982	ange 1982 to 1983	Annual rate of change 1979 to 1983
	19	74-76=	100		0	
VOLUME						
Crops and livestock, total Food Cereals Feed Raw materials Beverages <u>b</u> /	137 142 149 178 108 117	136 141 142 185 107 120	137 141 143 196 108 123	-0.7 -4.7 3.9	5.9 0.9	2.5 2.7 2.7 7.7 -0.4 1.9
VALUE						
Crops and livestock, total Food Cereals Feed Raw materials Beverages <u>b</u> /	180 183 179 251 155 169	162 161 147 232 138 174	159 156 145 257 141 177	-12.0	-3.1 -1.4 10.8 2.2	-0.7 -0.2 1.9 6.3 -2.5 -5.2
UNIT VALUE						
Crops and livestock, total Food Cereals Feed Raw materials Beverages <u>b</u> /	$135 \\ 131 \\ 122 \\ 142 \\ 142 \\ 142 \\ 147 \\$	122 118 107 128 129 147	119 113 104 131 131 147	-9.6 -9.9 -12.3 -9.9 -9.2 -	-4.2	-3.1 -2.8 -1.0 -0.7 -1.8 -7.0

TABLE 1-6. FAO INDEX NUMBERS OF VOLUME, VALUE AND UNIT VALUE OF WORLD EXPORTS OF CROP AND LIVESTOCK PRODUCTS, BY MAJOR COMMODITY GROUPS

a/ Preliminary.

 \overline{b} / Excluding cocoa, which is included under food.

Source: FAO, Statistics Division.

The reversal in the net trade position of developing regions was a significant development in the regional pattern of agricultural trade in 1983. After having shown a net trade deficit for the first time in 1981 and further in 1982, developing countries as a whole emerged again as net agricultural exporters in 1983, but by a very slender margin (Table 1-7). However, this resulted from a further decline in their imports of agricultural products, which were 13% below the level of 1981 and only a 3% increase in their agricultural exports. Imports declined in China, several large importing countries in the Near East, including Saudi Arabia, Iran, Iraq, and some countries in Africa.

The improvement in the agricultural trade balances of developing countries appeared, therefore, precarious and narrow-based. The modest increase in their agricultural export earnings in 1983 only partially offset the heavy losses of 1982. Moreover, most of the increase was concentrated in a few large exporting countries in Latin America (Argentina, Brazil, Cuba and Mexico).

				1981	ange 1982	of 0 1979 1	al rate change to 1983	
	1981	1982	1983	to 1982	to 1983	Current prices	Volume	<u>a</u> /
Developing market economie		0 milli	on \$					
Export Import	66.0 65.9	59.5 58.8		-9.8 -10.8	3.7 -1.5	-1.2 4.4	3.6 5.0	
Africa								
Export Import	8.9 11.0	8.3 10.2	8.2 9.3		-1.2 -8.8	-6.9 3.1	1.2 6.1	
Far East								
Export Import	19.6 17.9	17.5 16.1		-10.7 -10.1	0.6 3.7	-0.4 4.3	4.9 5.8	
Latin America								
Export Import	31.2 14.5	27.6 11.5		-11.5 -20.7	8.3 2.6	-0.8 0.3	2.9 -0.7	
Near East	FO	- -	` 	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	2 5	4 0	5 0	
Export Import	5.8 21.8	5.7 20.3	5.5 19.4	-1.7 -6.9	-3.5 -4.4	4.8 8.1	5.9 6.7	
ACPE								
Export Import	4.4 8.7	4.4 8.3	4.0 6.9		-9.1 -16.9	-0.2 -0.3	0.8 0.1	
All developing countries		60 0	6 - -					
Export Import	70.4 74.7	63.9 67.1		-9.2 -10.2	2.8 -3.4	-1.2 3.8	3.4 4.3	
Developed market economies								
~	152.5 147.1	139.1 139.3	133.6 137.4	-8.8 -5.3	-4.0 -1.4	-0.1 -2.6	2.0 1.8	
Eastern Europe and USSR	4							
Export Import	9.6 31.8	9.1 27.7		-5.2 -12.9		-3.9 1.6	-1.0 4.2	
All developed countries								
		148.2 167.0		-8.6 -6.7			2.0 2.1	
World								
Export		212.1 234.1					2.6 2.7	
Share of developing coun-								
tries in world agric.trade Export	 30	••*•••• 30	32					
Import	29	29	28					

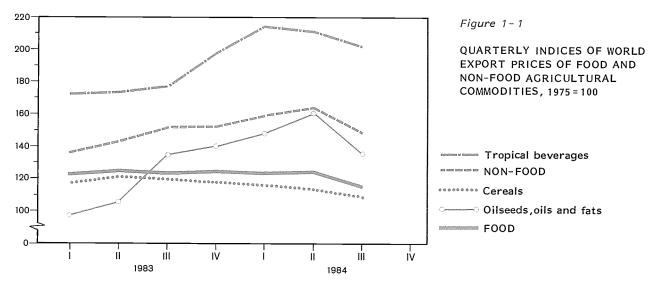
TABLE 1-7. VALUE OF WORLD AGRICULTURAL TRADE (CROPS AND LIVESTOCK) AT CURRENT PRICES AND VOLUME, BY REGION

a/ Obtained by deflating current values of trade with the indices (1974-76 = 100) of export and import unit values of agricultural products. Exports are valued fob and imports cif.

Source: FAO, Statistics Division.

World agricultural trade is expected to be boosted in 1984/85, in particular by the increased import requirements of the USSR, although Western Europe, normally a large importer, has ample domestic supplies of cereals this year. Export earnings from the principal agricultural products of developing countries may improve only moderately in 1984 following the poor export performances of 1982 and 1983, judging from preliminary indications of trade. Export earnings from fats and oils are estimated to have increased over their levels of 1983 because of higher prices. While trade in tea is up only moderately because India has curbed its exports caused by high domestic demand and prices, world market prices are exceptionally high. Cocca bean shipments were depressed in 1983/84 because of supply constraints. Coffee trade expanded in 1983 and prices remained firm, mostly within the range of the International Coffee Agreement. Banana trade was at a rather low level, the result of supply losses due to poor weather. Trade prospects are poor for sugar as demand and prices are low, and competition from alternative sweeteners remains keen. Jute trade has been below normal because of low production in Bangladesh and strong competition from synthetic fibres.

Agricultural export prices. International U.S. dollar prices of most agricultural commodities showed a substantial upward trend during much of 1983 and the first-quarter of 1984, but have tended to slacken more recently. <u>3</u>/ Between the third-quarter of 1983 and the third-quarter of 1984, export prices of food declined by 7% and those of non-food agricultural products by 2% (Fig. 1-1).



Source: UN, Monthly Bulletin of Statistics, December 1984.

Prices of the main groups of commodities exported primarily by developed countries (cereals and livestock products) stagnated or declined throughout most of 1983 and 1984. By the third-quarter of 1984 the prices of cereals as a whole were approximately 8% lower than a year earlier. The prices of cereals have tended to slacken further recently reflecting: large market supplies (particularly in the United States and the EEC); the

^{3/} Changes in dollar prices should be considered in the light of the continous strengthening of the U.S. dollar against most currencies (See Box 1-2).

prospects of a suspension of the long-term grain import agreements by China, which entered the market as a maize exporter; and the continued strengthening of the U.S. dollar (Table 1-8). These factors have largely offset price-raising influences, in particular, the large grain purchases by the USSR. The decline was less pronounced in the case of wheat, the quotations of which remained relatively stable throughout 1984. As regards livestock products, the prices of both dairy products and meat generally remained depressed.

Prices of non-food commodities and many food products exported by developing countries increased steadily throughout 1983 and into the first- and second-quarters of 1984. Subsequently, they have tended to fall back. Price increases between early 1983 and early 1984 were particularly pronounced for tropical beverages (24%), although they have declined markedly since then. Sugar prices declined further in 1984 to their lowest level in 13 years, reflecting a continuing situation of world oversupply. By late 1984, sugar prices were less than one-half of those prevailing a year earlier. There was a boom in prices of most vegetable oils, with the notable exception of olive oil, reflecting a change from a period of ample supplies in the second-half of 1981 and 1982, to a situation of supply tightness during 1983 and the first-half of 1984. Prices of palm, coconut, palm kernel, groundnut, rapeseed, sunflower and soybean oils more than doubled. However, in anticipation of more adequate supplies in 1984/85, prices have tended to fall since July 1984, particularly of palm oil and soybeans. Soybean prices in the last months of 1984 had returned to the depressed levels of early 1983.

Quotations for natural fibres also rose considerably in 1983: cotton by 17% and jute by over 62%, reversing a period of several years of depression. However, while prices of jute continued to strengthen throughout 1984, those of cotton lint weakened, particularly during the secondhalf of the year.

	Wheat US No.2 hard Ord. Prot.	Coffee green, 1976 ICA com- posite price	<u>Maize</u> US No.2 yellow	Rice 5% f.o.b. Thailand	Soybeans US No. 2 yellow	<u>Sugar</u> raw ISA Carib- bean
	• • • • • • • •		\$/ton			• • • •
1983 - Septe Octob Novem Decem	ber 154 Nber 153	2 800 2 998 3 042 3 086	148 148 147 143	298 286 283 273	323 311 311 298	208 214 184 168
1984 - April May June July Augus Septe Octob Novem Decem	154 150 149 t 155 mber 157 er 155 ber 155	3 175 3 263 3 197 3 108 3 153 3 108 2 998 3 039 2 974	148 146 147 143 139 131 122 117 114	255 253 256 273 272 254 251 231 224	300 321 293 253 248 238 239 234 221	133 123 121 107 90 90 102 96 78
1985 - Janua Febru	-	3 015 2 959	119 120	224 220	220 217	80 81

TABLE 1-8. EXPORT PRICES OF SELECTED CROPS

Source: FAO, Commodities and Trade Division.

BOX 1-2. PRICES OF COMMODITIES AND VALUE OF TRADE IN TERMS OF THE U.S. DOLLAR AND ECU

The U.S. dollar is the most widely used currency for international market transactions. The pronounced overall appreciation of the U.S. dollar against most other currencies since 1980 distorts any assessment of real change in commodity prices and the value of trade that have taken place since that time. Other things being equal, an appreciation of the U.S. dollar implies an equivalent increase in the price of a given commodity in terms of those currencies that experience a relative depreciation. Therefore, changes in the export performance of a given country, as measured in U.S. dollars, may appear grossly under-valued. For a commodity-exporting country, an appreciated U.S. dollar means larger export earnings in terms of the local currency price, and eventually, downward pressures on the U.S. dollar 'price of the commodity itself. Conversely, a food-deficit country may be facing far greater difficulties in financing imports than figures denominated in U.S. dollars suggest.

A more stable measurement of changes in international prices and in trade values is provided by Special Drawing Rights (SDRs). At the moment, however, the heavy dollar component of this 'basket' of currencies limits its validity as a deflator of U.S. dollar denominated prices and values for the purposes of comparison over time and between countries.

The European currency unit (ECU) provides an alternative. It comprises a basket of currencies of EEC members with weights determined by the relative economic sizes of the countries. Since the basket comprises strong currencies like the deutsche mark, as well as relatively weak ones, pronounced exchange rate fluctuations are greatly reduced.

The chart given here shows the strengthening of the U.S. dollar against the ECU since January 1983. The U.S. currency appreciated by 17% compared to the ECU during 1983 and by a further 13% during 1984.

	198	33	198	34
	January - US\$	- December ECU	January · US\$	- September ECU
	••••••	• • • • • • • • • • • • • • • • • 8	••••••	
Wheat	-7	+10	+1	+10
Rice, milled	+5	+22	-2	+7
Maize	+31	+48	-8	+1
Sugar, raw	+26	+43	-39	-30
Beef a/	-8	+9	+11	+20
Butter	-3	+14	+13	+22
Cocoa beans	+46	+63	-20	-11
Coffee	+6	+23	-3	+6

CHANGES IN INTERNATIONAL EXPORT PRICES OF SELECTED AGRICULTURAL COMMODITIES IN TERMS OF THE U.S. DOLLAR AND ECU, 1983-84

<u>a</u>/ August price 1984.

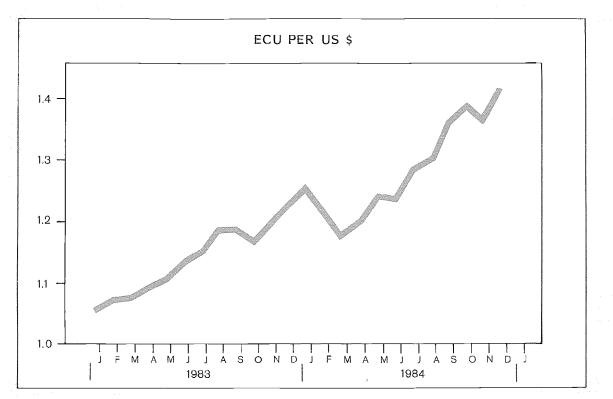
Sources: FAO, Statistics Division and Eurostat.

At the world level, the export value of agricultural products, which declined by nearly 1% a year in dollar terms between 1979 and 1983, actually increased by over 12% a year in ECUs.

The variations in export prices of selected commodities may also be compared in U.S. dollar and ECU terms (see table). It underlines the caution that should be used in interpreting the decline in dollar prices of many commodities that have taken place during much of 1984. While recent price declines have occurred in both U.S. dollar and ECUs for several commodities, including sorghum, sugar, soybeans and cocoa, the stagnation or decline in the U.S. dollar price commodities of such as wheat, maize, rice and coffee did not necessarily imply relief for importers. Although the appreciation of the U.S. dollar has exerted a depressing effect on U.S. dollar prices in international commodity markets, such effect is difficult

to assess in view of such factors as the inflation differential among countries, taxes, subsidies, and the large weight of the United States in international trade.

Profound repercussions of the strengthening of the U.S. dollar for individual exporting countries can be illustrated by the example of two coffee-exporting countries, the Ivory Coast and Colombia. The U.S. dollar appreciated by 20% and 24% against their respective national currencies between January and December 1983. The dollar prices of coffee also increased by 9%-10% during this period, so that coffee prices, expressed in national currencies, rose by 29%-34%. Even allowing for the effects of domestic rates of inflation during this 12-month period, about 6% in the Ivory Coast and nearly 20% in Colombia, it appears that the prices of coffee rose appreciably in terms of the currencies of these exporting countries.



Source: EUROSTAT.

. . .

Terms of trade. Terms of trade of agricultural products in international markets improved in 1983. Developing countries were the main beneficiaries of the improvement, with dollar prices of manufactured goods declining by 4% and those of crude petroleum by 12%. Their agricultural exports appreciated in real terms by over 12% in 1983 (Table 1-9).

The benefits of higher real export prices of agricultural products were supplemented by the larger volumes of exports (4%) of developing countries. On balance, export earnings from agriculture in 1983 should have enabled them to purchase 16% more manufactured goods and petroleum than in the previous year.

	1979	1980	1981	1982	1983
NET BARTER TERMS OF TRADE	• • • • • •		974-76=10	0	
Developed market economies	83	69	68	66	68
Developing market economies	93	78	69	65	73
Africa	118	91	74	72	78
Far East	90	74	69	60	69
Latin America	87	76	68	64	71
Near East	85	70	70	66	75
INCOME TERMS OF TRADE					
Developed market economies	109	101	102	98	100
Developing market economies	107	90	84	81	94
Africa	103	79	65	65	69
Far East	112	98	96	88	97
Latin America	108	90	88	81	99
Near East	79	66	77	78	94

TABLE 1-9. NET BARTER AND INCOME TERMS OF TRADE OF AGRICULTURAL EXPORTS FOR MANUFACTURED GOODS AND CRUDE PETROLEUM

Note: The index of net barter terms of trade is defined here as the true ratio of the index of export unit values of agricultural products to the index of world export prices of manufactured goods and crude petroleum. The index of income terms of trade is obtained by multiplying the index of net barter terms of trade (as defined above) by the index of export volumes of agricultural products.

Sources: FAO, Statistics Division and Policy Analysis Division.

Information available for the first nine months of 1984 shows a further improvement of about 5% in the terms of trade of developing country exports of food and nearly 12% for their exports of non-food agricultural commodities. The terms of trade of developed country agricultural exports declined by nearly 3% for food but improved by 10% for non-food commodities.

However welcome the recent improvements in the agricultural terms of trade of developing countries, they are subject to important reservations. First, the improvement comes after several years of deterioration and only partly compensates for the losses incurred since 1979. Second, they have mainly benefited large exporting countries in Latin America and the Far East. In Africa, where the purchasing power of agricultural exports has deteriorated most in recent years, the improvement in 1983 was minor. Third, the current sluggishness and uncertainties surrounding agricultural markets suggest that the improvement may be short-lived.

External Assistance to Agriculture

Total and concessional commitments in 1983. The most recent information available on external assistance to agriculture indicates a decline in 1983 in the levels of official commitments to agriculture (OCA) (narrow definition). This decline reflects budgetary constraints in major donor countries in the early 1980s. The decline in official development assistance (ODA) or the concessional part is of particular concern because it affects the low-income countries that rely heavily on such external assistance for expanding their investments in agriculture.

Commitments of multilateral and bilateral concessional assistance to agriculture, in current prices, decreased by more than 20% and by about 8%, respectively, between 1982 and 1983 (Table 1-10). As a result, the share of bilateral concessional assistance in total assistance to agriculture increased.

TABLE 1-10. TOTAL AND CONCESSIONAL COMMITMENTS OF EXTERNAL ASSISTANCE TO AGRICULTURE <u>a</u>/

		Т	ot:	al Co	mm	itmen	ts		(Conce	ss	ional	С	ommit	tmei	nts
		1980		1981		1982		1983		1980		1981	19	982	198	33
							. T	nilli	on	Ś						
Total commitments			••		•••		• 1		on	Υ ••	••		•••			
at current prices	8	189	7	349	8	288	7	938	6	013	4	972	5	842	4	992
Bilateral	3	296	2	734	3	249	2	983	3	268	2	661	3	154	2	873
Multilateral	4	883	4	615	5	039	4	955	2	745	2	311	2	688	2	119
World Bank	3	090	2	864	2	987	3	233	1	350	1	149	1	428		949
IBRD	1	740	1	715	1	559	2	284						-		-
IDA	1	350	1	149	1	428		949	1	350	1	149	1	428		949
IFAD		284		144		368		186		284		144		355		186
Regional develop-																
ment banks		964	1	024	1	172		947		566		453		393		488
OPEC multi-																
lateral		108		116		41		121		108		98		41		28
UNDP <u>b</u> /		204		200		190		160		204		200		190		160
FAO $(\overline{T}F/TCP)$		113		136		137		143		113		136		137		143
CGIAR <u>c</u> /		120		131		144		165		120		131		144		165
Total commitments																
at 1980 prices	8	189	7	818	9	009	9	020	6	013	5	289	6	350	5	673

a/ Agriculture includes all the purposes in the narrow definition plus forestry.

b/ United Nations Development Programme expenditure.

Commitments to the Consultative Group on International Agriculture Research (CGIAR).

Sources: FAO, Policy Analysis Division and OECD.

While multilateral concessional lending to agriculture has declined, non-concessional multilateral commitments increased from \$2 351 million in 1982 to \$2 836 million in 1983, indicating an overall hardening in terms of official lending to agriculture. This is due mainly to an increase of nearly 50% in commitments of the IBRD to agriculture in 1983. However, the share of lending to agriculture by regional development banks that was non-concessional decreased, except for the African Development Bank (ADB).

A similar picture appears to be developing with regard to multilateral and bilateral OCA (broad definition) (Table 1-11). Up to 1982, the pace of the expansion of these resources in current prices slackened, with increases in 1982 of less than 5% and 2%, respectively, compared with increases of nearly 12% in 1980 and 8% in 1981.

- There was an abrupt decline in bilateral commitments in 1983 (more than 20%) following a recovery in these flows since 1980.
- There was also a marked slowdown of multilateral commitments between 1979 and 1983. After an expansion of nearly 30% in 1980, increases in 1981, 1982, and 1983 were only 6%, 3%, and less than 2%, respectively.
- There has been a steady decline in multilateral concessional commitments from 1980 to 1983 amounting to almost 22%, but a corresponding increase in non-concessional commitments of 50%. Therefore, between 1980 and 1983, the terms of multilateral commitments (broad definition) have significantly hardened: the concessional component falling from 54% to 38%. As this has been accompanied by a decline in bilateral commitments, most of which are concessional, the hardening of the terms of total commitments has been severe between 1980 and 1983, with the concessional share falling from 72% to 56%.

TABLE 1-11. OFFICIAL COMMITMENTS OF EXTERNAL ASSISTANCE TO AGRICULTURE (BROAD DEFINITION), 1979-83

	1	979	19	980	1	981	1	982	1983	3 <u>a</u> /
					• mi	llion	\$.			
TOTAL OCA Mulitlateral <u>b</u> / Bilateral		157 942	-	674 627		060 152		280 506	7 4 4 3	
Total at current prices Total at 1980 prices		099 221		301 301		212 991		786 898	11 7 13 3	
CONCESSIONAL OCA Multilateral Bilateral		759 529		607 357		424 583		241 875	2 8 3 8	
Total at current prices	7	288	7	964	8	007	8	116	6 6	526
Total at 1980 prices	8	098	7	964	8	518	8	822	75	529
NON-CONCESSIONAL OCA Multilateral Bilateral	2	398 413	3	067 270	3	636 569	4	039 631	4 5 5	598 558
Total at current prices Total at 1980 prices		811 123	-	337 337		205 473	4 5	670 076	5 1 5 8	

a/ Preliminary.

b/ Including World Bank (IBRD/IDA), IFAD, IDB, AsDB, ADB/ADF, OFID, AFESD, ABEDA, IDB, UNDP, FAO (TCP/trust funds) and commitments to CGIAR (see Glossary of Abbreviations and Terms).

<u>c</u>/ Deflated by the UN unit value index of the export of manufactured goods.

Sources: FAO, Policy Analysis Division, and OECD.

Most of the decline in multilateral concessional assistance in 1983 is accounted for by delays in replenishing IDA and reductions in its funding. The seventh replenishment of IDA (\$9 000 million) is much smaller than its sixth (1979) replenishment. Under these circumstances, and because IDA assigns a major share of its resources to agriculture (40% in the early 1980s, equivalent to 20% of all concessional assistance to agriculture), it seems unlikely that IDA will be able to sustain the growth of its assistance to agriculture achieved since the late 1970s. Unless more resources are made available to this important lending institution, the disbursements of multilateral concessional assistance to the agricultural sectors of low-income countries will soon begin to flag.

The IDA is not the only concessional lending institution that has been forced to cut back its programmes. Commitments of IFAD also decreased in 1983. This situation reflected difficulties encountered in the negotiating of its first replenishment. The second replenishment of IFAD for 1985-87 also faced difficulties and negotiations that took place at the end of February 1985, while ensuring the fund's continued operation, were short of its first replenishment that covered 1981-84. On the other hand, regional development banks as a group increased their concessional commitments to agriculture by one-quarter between 1982 and 1983. Only the ADB decreased its concessional assistance to agriculture.

The impact of this reduction in multilateral concessional commitments has been particularly severe for the Asia and Pacific and African regions. They received 23% and 28% less, respectively, in 1983 than in 1980-82. However, on average, the Asia and Pacific region receives almost twothirds of such commitments; thus, its absolute loss was greater--about \$300 million. The decline for Africa was less than one-half this amount.

Food aid. Shipments of food aid in cereals are estimated to have been more than 9.8 million tons in 1983/84 compared with 9.2 million tons in 1982/83 (Table 1-12). It is expected that nearly 12 million tons will be provided in 1984/85, the largest quantity since 1971/72 and greater than the target of 10 million tons set by the World Food Conference.

	1981	1982	1983	1984	1985 <u>a</u> /
		.000 tons,	grain	equivalent	
Total	8 943	9 140	9 200	9 827	11 640
			• • • • • • •		
Proportion of food aid ship- ments in cereals made by the three largest donors: USA, Canada and EEC		82	85	85	88
Share of total to low-income food-deficit countries	80	82	84	89	89
Proportion of cereal imports by low-income food-deficit countries represented by food aid	16	15	15	18	21

TABLE 1-12. SHIPMENTS OF FOOD AID IN CEREALS, 1981-85

a/ Estimated.

Source: FAO, Commodities and Trade Division.

Currently over 80% of shipments are consigned to low-income fooddeficit countries and cover about 19% of these countries' estimated cereal imports, proportions that have not radically changed since 1979/80. 4/ The increase in shipments mainly reflect international concern over the serious food situation in sub-Saharan Africa.

As of the end of December 1984, pledges to the regular resources of the WFP for its 1983-84 biennium amounted to \$982 million, or 82% of the pledging target of \$1 200 million. Pledges for the 1985-86 biennium totalled almost \$1 000 million or 74% of the new biennium's target of \$1 350 million.

At its 18th session held in late October-early November 1984, the Committee on Food Aid Policies and Programmes (CFA) agreed that on an exceptional and <u>ad hoc</u> basis, \$10 million in addition to the usual \$45 million allocation, should be made to the 1984 emergency budget from the programme's regular resources. This decision was taken in light of the exceptional circumstances prevailing in Africa, the rapid utilization of IEFR's resources, and the regular allocation from WFP's regular resources for emergency needs.

Regional Highlights of Production and Trade, 1979-84

The current situation and outlook for some key aspects of agriculture have been examined. A following section examines long-term trends and issues, sometimes on the basis of unconventional country groupings. This linking section provides a summary of developments in food and agricultural production and trade in the medium term, according to more conventional, geographically based groups of countries (Table 1-13).

Developed countries as a whole achieved a moderate improvement in total agricultural and per caput food production. All developed regions except North America shared in this improvement. Larger food and agricultural supplies were, however, a mixed blessing for some developed countries already troubled by the excess capacity of their agricultural sectors. The problems of oversupply were made worse by the trade-depressing effects of a world recession. The dynamism that had characterized agricultural exports by developed countries during most of the 1970s gave way to a period of stagnation in terms of the U.S. dollar, with both Western and Eastern Europe actually experiencing a reduction in the dollar value of their exports between 1980 and 1984. The purchasing power of agricultural exports declined substantially during this period of depressed commodity prices, though to a lesser extent and with less critical consequences than in developing regions. There was also a marked reduction in the rate of growth of food imports compared to earlier periods.

As regards developing regions, aggregate food supplies increased substantially, with food production growth exceeding population growth and per caput food imports increasing by nearly 3% annually in volume terms. Larger supplies resulted in a sizable improvement in per caput calorie supplies, which had marginally exceeded minimum requirements in 1979-81. Agricultural export performances were on the whole less satisfactory, both in terms of absolute dollar values and in relation to purchasing power.

There were, however, wide regional divergences behind these aggregate figures. Improvements in domestic food supplies were concentrated in the regions of the Far East and ACPEs, the only developing areas that achieved

<u>4/</u> Includes all food-deficit countries with per caput income below the level used by the World Bank to determine eligibility for IDA assistance (\$805 in 1982) that, in accordance with the guidelines and criteria agreed to by the CFA, should be given priority in the allocation of food aid.

	Total agricultural production	tural	Per caput food production	t food tion	Export values of agric. products	lues of oducts	Per caput food import volume	Income terms of trade	00 ⁴
	1980-84	1984	1980–84	1984	1979–83	1983	1979–83	1979-83 1983	exports 33 1981-83
	(%/yr)	Index	(%/yr)	Index	(%/yr)	Index	(%/yr)	(%/yr) Index	lex (%/yr)
World	2.4	122	0.6	105	-0-6	166	0•6	-2.9	96 8.6
All developed countries	1.4	114	0.8	107	-0.3	170	0.2	-2.4	97 7.9
North America	-0.7	118	-1.5	109	1.1	169	-2.0	-1.0	97 4.4
Southwest Pacific	3.7	117	3.1	106	1.0	147	7.3	-0.1	86 2.5
Western Europe	1.7	118	1.4	115	-0-7	186	-0.1	-2.4 10	109 8.5
Eastern Europe and USSR	2.4	111	1.7	103	-3.8	116	2.1	-5.7 (67 12.4
All developing countries	3.6	133	1.3	111	-1.2	158	2.8	-3.9	91 10.5
Africa	1.0	116	-1.2	89	-6,9	116	3.2	-9.5 (69 16.0
Far East	3.7	136	1.7	113	-0.4	178	2.0	-3 . 9	97 9.2
Latin America	1.6	127	-0-6	104	-0-7	168	-1.8	-2.8	9 0 9.8
Near East	2.2	121	-0-5	97	4.7	157	5.6	5°3	94 9.6
ACPE	6.2	149	4.2	127	-0.3	131	1.3	-3.1 (68 11.9
					and				

Note: Index Numbers are based on 1974-76=100.

Sources: FAO, Policy Analysis Division and Statistics Division.

substantial growth rates in per caput food production. At the same time, they reduced further their already moderate dependence on food imports. Although the purchasing power of regional agricultural exports declined, particularly in ACPEs, this was compensated by greater export earnings from other sectors. As a result, food imports accounted for a considerably smaller share of the total value of merchandise exports than in the mid-1970s.

The economic difficulties that affected most Latin American countries during the early 1980s did not spare food and agriculture. Poor weather conditions and weather-related factors also had a depressing effect. Food output, which had barely kept pace with population growth during 1974-84, declined in per caput terms in the early 1980s. Stagnation and slow growth in production characterized most of this latter period, with the exception of 1981. At the same time, many heavily indebted countries in the region faced increasing difficulty in maintaining adequate levels of food imports. The annual increase in per caput food imports in volume terms decelerated from 6.5% during 1974-83 to less than 2% during 1979-83. This reduction in the pace of imports did not bring about any major improvements in the balance of payments, the proportion of total export earnings absorbed by food imports having remained practically unchanged at around 10%. External account imbalances were further aggravated by a significant erosion of the purchasing capacity of agricultural export earnings.

The agricultural situation in Africa appears even more serious. Agricultural production rose at insignificant rates, food production declined by over 1% a year in per caput terms, and nutritional standards remained well below minimum requirements, despite an increasing dependence on food imports and external aid. Not only did food imports absorb a high proportion of total export earnings--16% during 1981-83--but agricultural exports, critical for the economies of most countries in the region, were losing almost 10% of their purchasing power every year during 1979-83.

Though less critically dependent on agriculture, the Near East also suffered from sluggish production performances and declining per caput output during the early 1980s. Food imports continued to grow at very high rates, however, contributing to a major improvement in per caput calorie supplies. Although such an increase in food imports coincided with reduced export earnings, particularly from crude petroleum, food imports still absorbed a smaller share of total export earnings than in other developing regions. Unlike other regions, the Near East achieved fast growth rates in agricultural exports and a considerable improvement in the purchasing power of agricultural export earnings. However, this improvement was based on relatively few factors (e.g., the sharp increase in the volume of cotton exports by Egypt) and was of very limited significance for most economies of the region.

Food Situation in Africa

The Sixth Report of the Joint FAO/WFP Task Force, established in April 1983 to monitor the deteriorating food situation in nearly half the countries of Africa, was published in late October 1984. It showed that the aggregate cereal production in 1983 of the 24 countries in Africa identified by FAO as facing exceptional food needs in 1983/84 was 16.9 million tons, 9% below the poor crop level of the previous year and 15% less than the previous normal crop of 1981. The cereal import requirements of the 24 countries in 1983/84 were estimated at 5.3 million tons, some 2.1 million tons higher than the previous year. Of this total of 5.3 million tons, 2.9 million tons represented food aid requirements and 2.4 million tons the estimated commercial import capacity. This compared with actual food aid receipts of about 1.5 million tons and 1.8 million tons of commercial imports in 1982/83. Although by late 1984, the cereal food aid pledged by donors was over 1 million tons more than shipped to the same 24 countries in 1982/83, there was still a shortfall of approximately 200 000 tons of cereals against the estimated food aid requirements of 2.9 million tons. The levels of commercial imports by these countries also increased by some 600 000 tons compared to 1983.

The situation in 1984/85. The African food emergency has continued into 1985. Poor main season crops of 1984 were harvested in a number of countries in southern, eastern and northern Africa, while most Sahelian countries harvested crops that were seriously reduced by drought. However, with the coastal countries of West Africa experiencing improved conditions, the number of seriously affected countries have been reduced to 21.

In eastern Africa the food supply situation deteriorated sharply in Ethiopia, following a poor main season harvest in 1983 and the failure of the secondary 'belg' harvest in early 1984. Moreover, the main cereal and pulse crops of 1984, the harvesting of which began late in the year, were also poor (about one-third below the 1980-82 average), so the food supply position will remain serious throughout the end of 1985. According to the Relief and Rehabilitation Commission of Ethiopia, 7.7 million people, or about one-fifth of Ethiopia's total population, are affected.

In Kenya, as a result of the worst drought in many years, the main cereal crop harvest of 1984 is estimated to have been some 30% below the previous year's level, resulting in cereal import needs of about 950 000 tons for 1984/85.

FAO estimates that in the eastern subregion, seven countries (Burundi, Ethiopia, Kenya, Rwanda, Somalia, Sudan and Tanzania) are facing exceptional food supply problems in 1984/85, with aggregate food production more than 20% below the average for 1979-83 and with food aid requirements of 3.8 million tons, 150% more than the aid received in 1983/84.

For the third consecutive year in most southern African countries, drought affected the main season's harvests (April/May) of 1984. Poor crops were again harvested in Angola, Botswana, Lesotho, Mozambique, Zambia and Zimbabwe. The 1984/85 cereal import requirements of these six countries were estimated by FAO at 2.1 million tons and their food aid requirements at 1.1 million tons, some 0.5 million tons higher than the previous year. The condition of crops to be harvested in 1985 is more favourable in most countries, but still depends crucially on the progress of the rains.

In West Africa, the main season's harvests of 1984 were much better than in 1983 in the countries bordering the Gulf of Guinea. The aggregate food supply position was considered to be back to normal in Ghana, Guinea, Guinea Bissau, Benin and Togo. However, harvests were again poor in 1984 in the Sahelian countries of the subregion. In the northern areas of these countries, widespread crop failures were reported and the final output was even worse than the drought-reduced crop of 1983. In the Sudanian zones of the same countries, the outcome was more mixed, particularly in Burkina Faso and Mali, but aggregate output was expected to be worse than 1983, leading to a continued need for substantial cereal imports and ex-ternal assistance. Seven countries faced exceptional problems of food ternal assistance. Seven countries faced exceptional problems of food supply in 1984/85 (Burkina Faso, Cape Verde, Chad, Mali, Mauritania, Niger and Senegal). Their aggregate production was 25% below the annual average for 1979-83 and food aid needs for 1984/85, at 1.7 million tons, were double the level of 1983/84. Severe drought-affected crops in Morocco in 1984 for the second consecutive year, also requiring about 400 000 tons for emergency relief for that country.

In light of these developments, the aggregate cereal import requirements of the 21 drought-affected countries of Africa in 1984/85 were expected to exceed 12 million tons by February 1985 compared with actual imports of 7.1 million tons in 1983/84. Food aid needs at over 7 million were more than twice the amount donated in 1983/84. By late February 1985, only 40% of the known pledges of food aid to the affected countries (5.1 million tons) had been delivered.

By the end of February 1985 the food situation in Africa raised three issues of immediate concern:

- There remained an aggregate uncovered requirement of food aid of almost 2 million tons;
- Only about 40% of the known pledges of food aid had been delivered; and
- Logistical constraints, particularly in some land-locked countries, required special financial and technical assistance programmes.

Logistical problems. The problem of ensuring that people deprived of their normal sources of food have access to emergency food supplies is not solved by the identification of alternative sources of food, whether they are provided by donors or obtained through commercial channels. Most African countries are not well equipped with transport facilities and a substantial number of them are land-locked. Therefore logistical problems, always important in Africa, assume added significance when relatively large quantities of food supplies have to be moved quickly and reliably to people afflicted by famine.

The passage of bulk and bagged cereals, the most critical commodities, from ports overseas even to main distribution centres in affected countries face several potential bottlenecks.5/ Ports are frequently congested, and the unloading of ships can be delayed. Warehouses at ports are often full and open-air storage is therefore necessary with a likelihood of spoilage. For example, Mombasa will have to handle more than 1 million tons of imported food commodities in 1984/85 to meet Kenya's needs, as well as the food aid needs of Rwanda, amounting to another 65 000 tons. Both road and rail transport facilities are likely to be inadequate. The problems up-country may be even more daunting with poor road networks and a transport system suffering from a lack of fuel and maintenance.

Donors have responded generously to these challenges and, looking beyond the immediate provision of food, longer term remedial measures frequently include additional trucks or spare parts, port handling and storage facilities and other means of alleviating logistical constraints. However, the provision of additional equipment is not enough; improved logistical management is needed as well, such as the better scheduling of shipments to match the handling capacities of ports and the corresponding matching of port off-take rates with shipments up-country by different transport modes.

Bilateral external assistance for the procurement, transport and distribution of emergency food supplies includes EEC assistance amounting to the equivalent of nearly \$6 million, the main recipients being Chad, Ghana and Senegal. Examples of multilateral logistical support is that provided by UNICEF to Burkina Faso, Cape Verde and Mali; by FAO to Chad; and by WFP (logistics officers posted to some major entry ports). FAO

^{5/} See The Critical Social and Economic Situation in Africa: Report by the UN Secretary-General, prepared for the 39th Session of the UN General Assembly, 1984.

also provides silos, vehicles, and management skills and training in staple food storage, handling and preservation through its Food Security Assistance Scheme. In the area of logistics management, FAO collaborates with UNDP and WFP on a project in Botswana.

Recovery and rehabilitation. While the provision of emergency food needs must take precedence over all other measures, steps to promote the rapid recovery and rehabilitation of affected zones also need attention. The 86th session of the FAO Council in November 1984 approved the allocation of \$5 million of FAO's budget for 1984/85 to support such rehabilitation measures in Africa. The three areas of action focused on were: (1) improvements in food early warning systems, (2) seed supply, and

- (3) livestock.
- (1) Extensions and improvements in food early warning systems and other components of preparedness

African governments need to establish or strengthen early warning systems related to weather, crop and pasture conditions. The system, usually based on agrometeorological information, can also monitor indicators describing the emerging food supply situation such as the stock situation and food prices in various markets.

FAO is continuing to assist many African countries in establishing and developing such systems at national and regional levels. The original AGRHYMET programme for meteorological forecasting in the Sahel is being supplemented by FAO in cooperation with the World Meteorological Organization (WMO) by similar projects for SADCC (Southern African Development Coordination Conference) countries as well as national projects for Sudan, Kenya, Rwanda, Ethiopia and Guinea Bissau. Requests for assistance have been made by several other African countries.

Countries exposed to acute and large-scale food shortages can make themselves better prepared to meet such emergencies by preparing contingency plans for food relief and planning the logistics of famine relief distribution. FAO is providing technical support in this area by arranging a programme of workshops for countries trying to develop such plans.

(2) Seed supply

Seed, almost invariably reserved by farmers from their own harvests in those African countries most frequently affected by drought, is often the only input to the production of basic food crops. Yet people afflicted by famine may be forced to consume their seed stocks before the new planting season begins. Poor, drought-affected crops may also result in poor seed quality and replanting needs may call for additional supplies of seed not easily available. Therefore, the following actions have to be supported:

- Ensuring the timely arrival of emergency food supplies so that seed is not consumed;
- Identifying, procuring, testing, storing and treating seed; and
- Holding emergency stocks of seed, possibly at the subregional level, to meet the situation where seed is unobtainable locally.

A number of countries have requested FAO to organize missions to assess their agricultural situations, including the supply and quality of seeds. Such missions are scheduled for Mali, Niger, Chad and Ethiopia.

Among international organizations, FAO and the United Nations Emergency Operation (UNEO) Trust Fund have been particularly active in

seed-supply activities in Botswana, Burkina Faso, Ghana, Gambia, Tanzania and Zambia. Chad has benefited from the joint support of several donors for the purchase of 3 500 tons of food crop seeds. Similarly, about 2 800 tons of food crop seeds have been procured in Ethiopia with the assistance of the EEC.

(3) Livestock

When drought strikes, the main problems facing livestock are shortages of forage and water. The latter two are linked because forage may be available but cannot be grazed because it lacks water, and watering points are almost certainly surrounded by overgrazed areas. In this situation, the livestock owner is doubly exposed because of losses in stock numbers and also because there are few or no buyers for livestock unless a government buying agency is at hand. Disease problems are worsened because of the animals' weakened condition and the greater movement of livestock.

International and technical support is needed in the form of programmes of disease control; animal nutrition to safeguard breeding stock; additional water sources to enable distant forage sources to be accessed; and in facilitating destocking through the funding of emergency buying operations.

Ongoing livestock programmes with external support include FAO's assistance in rinderpest control in Burkina Faso, the Central African Republic, the Gambia, Guinea, Mauritania, Togo and Zambia. The UNEO Trust Fund has also been involved in a large number of livestock protection programmes, including pasture and fodder crop production and vaccine supply. Other livestock protection operations are also being carried out on a bilateral basis, particularly with the participation of northern European countries.

Long-term situation. 6/ While FAO has recorded food emergencies in as many as 20-30 African countries each year since 1977, a group of 15 countries has recurrently suffered acute food shortages. These countries are listed in Table 1-14, together with some indicators of their food supply situation. The combined population of these countries represents 31% of the total for developing Africa.

In this group of countries, chronic food insecurity has resulted from a wide variety of factors. These include a poor endowment of agricultural resources, adverse weather conditions, civil disturbances and wars, and deteriorating export markets. Inappropriate government policies resulting in an inefficient use of resources have also played a role. A review of some of these factors reveals some common features of these countries:

- All but five countries of the group are low-income countries, with a per caput GNP of less than \$410 in 1982. In all but one of these low-income countries, per caput incomes stagnated or declined during 1970-82.
- In all but three countries, the average per caput DES is below minimum nutritional requirements. Although DES improved in eight countries during the 1970s, this was achieved in most cases because in-
- 6/ Several papers have been prepared recently by FAO addressing the long-term deterioration in the food and agricultural situation in Africa and indicating possible measures to improve it. These papers include: Interim Report on Constraints on Food Production in Low-Income Food-Deficit Countries of Africa, CFS 83/6, February 1983; The State of Food and Agriculture 1983; and Delivery Systems for Small Farmers in Africa, CFS 84/5, January 1984.

SELECTED INDICATORS OF THE FOOD SITUATION IN AFRICAN COUNTRIES RECURRENTLY AFFECTED BY FOOD SHORTAGES, 1977-84 TABLE 1-14.

Years of civil strife (incl. refugee	problems)		I	I		1976-84	• •	1983	1	1976-84	1976-84	I	1983	1	I	1983-84	1976–80		: less than . of input .ries.
Years of abnormal climatic condi- tions			1979–83	198284	1981-83	I	•	1982-84	1979-83	1978-84	I	1983-84	1982–83	1981–84	1982-84	1979–83	1982–84		A figure of less a low level of i three countries.
Cereal food aid per caput	1980-82	0 0 0 0	120	26	15	10	12	20	43	9	45	8	7	11	14	4	с	9	0 L
Cereal import per caput	198082	•••• kg ••	180	86	75	41	52	62	93	6	71	6	19	18	30	8	4	39	y's popul he popula o include
Cereal output per caput	1980-82	•	16	119	46	51	52	160	39	184	72	166	53	150	46	120	85	127	support the country's food to support the ever, the PSC ratio i
change caput iport	1979-83 1971-80	• • • • • • • • • • • • • • • • • • • •	2.5	10.6	11.7	21.1	6.0-	-5.1	4.9	21.5	5.7	5.9	-3 . 9	-1.2	7.4	-14.6	-10.7	7.1	capacity of land to support the country's population. ot produce sufficient food to support the population at 2 83/8 August 1983). Libya and Sudan. However, the PSC ratio includes these
Annual change in per caput food import volume	197983	•	-2.4	-2.5	-4.2	-7.5	1.9	-5.4	6 •3	-3.6	12.3	0.6-	0.4	12.2	-5.7	19.9	-24.4	3.2	land to ifficient 1983). lan. How
Annual change in per caput food production	1979-83 1971-80	0 0 0 0 0 0 0	1.6	1.8	-6.2	-2.0	-0 - 3	-0-1	-1.0	-0.1	-4.7	I	-4.8	0.9	-4.1	0.4	-1.0	6.0-	. capacity of land t ot produce sufficie C 83/8 August 1983) Libya and Sudan. F
	1979–83	• • •	-1.9	-3.4	0.7	-1.9	-1.7	-2.8	-3.2	т. 0-	-2.8	-2.0	-6.5	-0.4	-6.4	-1.7	0.5	-1.4	1 . 200
PSC ratio <u>b</u> /	1975	• • • • • • • • • •	0.01	0.46	1.27	8.57	0.42	10.17	0.35	0.59	0.40	06.0	2.04	2.29	4.14	3.15	0.97	2.95	DES - Dietary energy supplies. PSC - Population supporting capacity or potential capacity of land to s l shows that the country's land resources could not produce sufficient use in 1975 (see FAO, Land, Food and Population, C 83/8 August 1983). Developing countries in Africa, excluding Egypt, Libya and Sudan. Howe
GNP per caput Annual change	1970-82		5 ° 2	4.4	7.7	•	-2.4	-2.2	-0.3	0.2	1.0	1.4	-3°2	0.6	•	-4.6	-4.2	• • •	lies. ng capac s land r d, Food
	1982	Ş	350	510	006	490	340	640	470	140	290	210	360	280	290	80	230	• • •	/ supp porti intry'), Lan s in A
1 0 B 5 1	to 1979-81	o%P	39.4	19.0	8.1	14.3	•	2.6	2.1	5.1	-10.6	2 . 0	-5°2	6 °0-	-10.5	-12.0	-21.6	2.7	- Dietary energy supplies. - Population supporting ca nows that the country's lan in 1975 (see FAO, Land, Fo sloping countries in Africa
DES a/ requir	1981	æ	119.9	105.9	104.7	97.5	96.7	95.3	94.4	92.9	89.9	86.8	83.2	82.3	78.8	75.7	73.4	96.2	Dietar Popula s that 1975 ping c
			Cape Verde	Lesotho	Botswana	Angola	Comoros	Zambia	Mauritania	Ethiopia	Somalia	Burkina F.	Ghana	Tanzania	Mozambique	Chad	Uganda	Africa <u>c</u> /	a/ DES - b/ PSC - l show use in c/ Develo

Sources: FAO, IIASA, UNFPA, World Bank.

- 33 -

creased volumes of food imports more than offset declining domestic food output. On the other hand, six countries experienced large declines in DES. This reflects declines in both per caput food output and imports.

- In all countries food production per caput has either stagnated or declined throughout the 1970s. Production performances deteriorated further in recent years.

Poor production performances have been related to: a) poor resource endowments--in eight countries the productive potential of land has been inadequate to support the countries' populations at low levels of input use; b) unfavourable climatic conditions--many countries having suffered, in particular, from several consecutive years of drought; and c) civil disturbances or wars in some countries otherwise relatively well endowed for agriculture (Angola, Mozambique and Chad). In others (Ethiopia, Somalia and Uganda), the food crisis has been the result of a combination of all of the reasons cited.

All countries in the group are net food importers and have received increasing quantities of food aid in recent years. The volume of food imports rose considerably during the 1970s in most countries. In the case of cereals, they reached on average 52 kg per caput by the early 1980s, 60% more than the average for the other African countries. The increasing dependence on food imports is indicated by the growing import content of total calorie consumption in all countries of the group. Imported food accounted for 16% of total calorie supplies in the late 1970s compared with 11% in 1969-71. The shares for Africa as a whole were 6% in 1969-71 and 13% in 1979-81. Though remaining generally high, food imports declined significantly in a number of countries, particularly since the late 1970s. Countries where food imports declined were by and large those with a decreasing per caput GNP, underlining the importance of overall economic performance in determining the level of food imports.

External payment problems, exacerbated by a growing imbalance in merchandise trade and the weakening of national currencies against the U.S. dollar, have been factors limiting food imports.7/ Nevertheless such imports have remained considerable in relation to the countries' purchasing capacity. With the exceptions of Chad, Uganda and Zambia, food imports have absorbed a large share of total merchandise export earnings.

Food aid has therefore constituted an invaluable, if precarious, supplement to domestic food supplies and commercial imports. Food aid in cereals in 1982 represented at least 20% of the domestic output of cereals in eight countries of the group and 20%-90% of the total cereal imports in 1980-82 in all 15 countries covered.

The Southern African Development Coordination Conference (SADCC): Agricultural Perspectives to 2000

SADCC is composed of Angola, Botswana, Lesotho, Malawi, Mozambique, Swaziland, Tanzania, Zambia and Zimbabwe. It was established in Lusaka in April 1980 and pursues the following four main goals: a) reduction of external dependence; b) progressive regional integration; c) the mobilization of resources; and d) joint action to secure international understanding and support for the SADCC development strategy.

^{7/} The external debt of 12 countries of the group for which data were available represented, on average, nearly half of their GNP in 1982.

At its highest executive level, the organization functions through an annual summit meeting of heads of state or governments of member states and a council of ministers to supervise the SADCC programme. A small permanent secretariat has operated in Gaborone (Botswana) since October 1982.

Programme development within SADCC is the responsibility of partner states. Each SADCC state is delegated responsibility for coordinating and implementating one or more sectors of the Lusaka Plan of Action. On agricultural matters, food security is handled by Zimbabwe; soil conservation and land utilization by Lesotho; agricultural research and animal disease control by Botswana; and fisheries, wildlife and forestry by Malawi.

The SADCC region is currently going through an extremely difficult period. Eight of the nine SADCC countries are on FAO's list of 24 African nations that faced acute food crises in 1983/84. While the current drought, world recession and, in some countries, civil and military strife are major reasons for the immediate difficulties facing the agricultural sector, the real causes lie much deeper. They are associated with longterm constraints such as deficiencies of infrastructure and the lack of a trained work-force and policies unattuned to promoting rural development. Corrective policies are needed without delay, but they should be conceived in a long-term perspective that leads to more adequate resources for agriculture and recognizes the long gestation period of many agricultural development activities.

In order to facilitate this action, FAO has prepared a perspective study, <u>SADCC Agriculture: Toward 2000</u>, which examines what would happen in the region in food and agriculture if past trends are allowed to continue and, alternatively, if well-planned and concerted efforts are made to rectify the situation.

The study indicates that a continuation of past trends would clearly spell disaster: negative growth rates in per caput agricultural production, a worsening situation in food crop supplies in both aggregate and per caput terms and a trade imbalance virtually impossible to finance. The cereal imports of SADCC countries, for example, would increase fivefold, from 1.5 million tons in 1979-81 to over 8 million tons in 2000, and would require (at 1980 prices) almost \$4 000 million in foreign exchange. Even with these large imports, the nutritional situation in the region would continue to deteriorate. The study shows, through 'improved performance' (IP) and 'high performance' (HP) scenarios, that alternatives exist. Under the IP scenario, agricultural production would grow at 3.2% annually. The demand for basic foods would still exceed the projected supply, but the trend away from food self-sufficiency would be reversed. Under the HP scenario self-sufficiency in all food products would further increase except for livestock products. The SADCC region would remain a net exporter of agricultural commodities with a doubling of the export availability of non-food commodities and with manageable imports in the food sector.

The IP scenario and especially the HP scenario imply large efforts by national governments, requiring a massive concentration of human, financial and capital resources in agricultural development. The total gross investment in agriculture (narrow definition) by 2000 would amount to \$2 400 million a year under the IP scenario and \$4 000 million a year under the HP scenario (at 1980 prices). The requirements of external assistance under the IP scenario are estimated at \$600 million annually (at 1980 prices) by the year 2000 or about 25% of the gross investment in agriculture. Accomplishment of this estimated requirement implies more than doubling, in real terms, the annual commitments made to SADCC countries in 1980-82.

FAO Regional Conferences in 1984

Every two years FAO holds its round of regional conferences that provide forums to discuss issues of regional interest or to give regional perspectives on more general topics. These discussions also help shape FAO's work programme at the regional and constituent country levels. While discussions in the 1984 sessions focused on topics of regional interest, themes common to all conferences were reviewed such as agricultural pricing policies, training and education.

The Regional Conference for Africa (Harare, Zimbabwe, July 1984) was held against a grim background of food shortages and the imminent starvation of millions of its people. Political strife, war, refugees, drought and debt problems complicated an already serious food and agricultural situation in sub-Saharan Africa. With these problems in mind, African ministers at the conference agreed that objectives set in the 1980 Lagos Plan of Action regarding food production and food losses had not been met. Responsibilities for this failure were accepted and pledges to correct the situation were included in the Harare Declaration.

Through this declaration, all members of the conference pledged to accord the necessary priority to agriculture in order to meet food problems and to monitor the progress of agricultural development. Emphasis was placed on the monitoring component that is considered essential to ensuring progress toward stated goals.

Conference members also recognized the responsibility placed on them by their countries to solve food problems and reaffirmed their determination for their countries to become more self-reliant by accepting the burden of developing their agriculture.

Significant attention was paid in the declaration to the importance of training and education in agricultural development as well as of agricultural price policies. It urged international bodies to provide technical assistance in these areas and exhorted African governments to use training institutions and personnel already available more effectively, both at national and regional levels, since large disparities exist among countries in the availability of training facilities. Workshops in management techniques were necessary in addition to short courses and seminars on technical matters.

The declaration also emphasized the need to intensify training for women at all levels since they have been and would continue to be responsible for a large share of food and agricultural production in the region.

Although the importance of the complex roles played by price policies were recognized, it was noted that improvements in Africa's food situation depended not only on prices but also on social, economic, technical, geographical and political factors influencing both production and consumption.

In reference to the role played by food aid, the conference pointed out that food aid could introduce distortions and fluctuations in prices and production and warned of a possible dependence on staple foods that could not be grown in Africa.

Emphasizing the importance of systems for monitoring agricultural progress, the conference recommended that member governments establish a monitoring system on the basis of appropriate socio-economic indicators for each country. FAO was requested to assist in the implementation of such monitoring systems as well as to provide guidance at national and regional levels.

Even though it was realized that African governments needed international and bilateral assistance to achieve agricultural and rural development, the conference pointed out that the major task was to be undertaken by the governments and the people of Africa.

The principal topic discussed at the <u>Regional Conference for Latin</u> America (Buenos Aires, Argentina, August 1984) was the debt problem that ultimately lead to the adoption of the Buenos Aires Declaration. This declaration called for the continued support of a new international economic order that would redress the economic grievances of developing countries. The conference, through the declaration, deplored the high interest rates that deprived the public and private sectors of these countries of the funds needed to import food and farm inputs to alleviate problems of food in security and malnutrition.

The declaration went on to point out the dangers of rising protectionism in agricultural trade that undermined developing countries' attempts to increase exports in order to service their debt and to finance imports needed for development. It also noted the cost to developing countries of the economic recovery of developed countries. This, it was pointed out, was mainly due to a deterioration in the terms of trade of developing countries, especially for agricultural products that resulted from trade protectionism and export subsidization by developed countries.

In reference to specific technical matters, the declaration agreed with FAO on the need to undertake a review of present rural education and training programmes in individual countries, to be followed by an exchange of findings and suggestions to improve programmes of basic education and training for peasants. Programmes should be implemented in coordination with a national development policy and strategy that should include economic, social, cultural and ethnic aspects so that living conditions in the countryside may be improved.

The declaration concluded with a plea for international financial institutions to take appropriate measures to ease the financial crisis of developing countries and with a request for developed countries to facilitate negotiations for new commodity agreements. The agricultural ministers at the meeting also pledged to give the food and agricultural sector the highest priority in their development programmes.

The Regional Conference for the Near East (Aden, Democratic Yemen, March 1984) focused on development issues in the region. It reviewed the consequences of policy formulation and implementation, forms of market interventions, consumer programmes and the role of FAO in the region.

The conference recognized the major role played by agricultural price policies in both agricultural and overall development. Thus, for effective policy formulation, it recommended that member governments take into consideration the limitations and linkages of agricultural price polices within the economy as a whole. At the same time, it suggested that each country should establish bodies at a high level to monitor and evaluate the impact of such policies.

Recognizing the need for more training, member countries were advised to improve education through practical courses and by raising the standard of teaching staff performance and student participation.

Member governments were urged to give high priority to agricultural investments selected according to national priorities, the availability of funds and the capacity for implementation. Moreover, if a country faced a serious debt problem, priority should be toward rehabilitation and the maintenance of the existing productive capacity. The conference requested continuing support from FAO and other international bodies for the overall development of the region as well as for the full cooperation from member governments with these organizations.

By and large the major economic and financial problems that have assailed other developing regions were less serious in the Asia and Pacific region (<u>Asia and Pacific Regional Conference</u>, Islamabad, Pakistan, May 1984).

The main issue raised during the discussion of agricultural pricing policies was the need to integrate the agricultural policy fully and coherently with national plans and overall development strategies. Other issues discussed were whether it was necessary to raise price incentives to farmers, and, if necessary, in what ways.

The conference recognized the need for more effective marketing systems given that urbanization would continue and agriculture in the region would therefore become more market-oriented.

Concerning consumer programmes, it was noted that the food consumption of the poorest people must be protected by welfare schemes if producer prices are to be kept sufficiently high to act as production incentives.

Referring to policy implementation, it was stated that the confidence, continuity and credibility of programmes were essential. For this to be achieved, there is vital need for institutional coordination and data, as well as the availability of trained management and administrative personnel.

Adjustments in Agricultural Policies in Europe 8/

Agricultural policy reforms have been applied in both Eastern and Western Europe to reflect economic and social goals and conditions. The institutional bodies that have principal responsibility for coordinating or setting agricultural policies, the ten-member European Economic Community (EEC) in Western Europe and the seven-member Council for Mutual Economic Assistance (CMEA) in Eastern Europe, both share the goals of increasing farm income and food self-sufficiency.

Western Europe

The Common Agricultural Policy (CAP) of the EEC is being reformed for the first time since its inception over 20 years ago. High farm prices over the years have resulted in increasing budget deficits. Farm price supports accounted for 95% of the agricultural budget in 1983 and internal farm prices were considerably higher than world prices. For example, butter was 50% over the world price and wheat 33%, a situation relieved more recently by the strengthening of the U.S. dollar. Supply exceeds demand to the point where the cost of export subsidies and the storage of surplus commodities (7.5 million tons of grains and 1 million tons of butter) had to be reduced. Domestic agricultural prices were so high that imported grains had been substituted for domestic grains, which then had to be stored or exported with subsidy payments.

While reforms to the CAP introduced in 1984 were not severe, they did get to the heart of the problem: high prices and the overproduction of milk, grain and wine, and the ability of member countries to insulate

8/ This section draws on papers prepared for the 14th FAO Regional Conference for Europe (Reykjavik, 13-21, September 1984). domestic producer prices from foreign exchange fluctuations. Production quotas for milk and grain were adopted, agricultural prices were cut by 5%, new vine planting was banned until 1990, and the agricultural monetary system was further integrated.

The production quota for milk is a significant step in controlling production in that over 103 million tons of milk were produced in 1983, but the 1984 quota was set at 99.2 million tons. From 1985 onwards, the quota will be 98.4 million tons. Member countries are free to allocate their quota among domestic producers as they see fit. However, in some instances there have been delays in introducing the quotas.

The quota on cereals is not as important since production has not yet reached the quota level, but lower prices should have an effect on production in the long run. In addition, the Monetary Compensatory Amount (MCA), a system of border taxes that allow member countries to maintain farm prices in the face of foreign exchange fluctations, will be phased out over a period of four years.

If the reforms are implemented, the EEC will not produce such large surpluses, thus relieving the downward price pressure on some commodities such as wheat and dairy products. On the other hand, lower internal EEC prices may result in a higher consumption of domestic grains, thus leading to greater imports and a smaller supply of feed grains in the world market.

The post-war push in Europe to high levels of agricultural production in order to increase self-sufficiency ratios and farm incomes was largely achieved through policies designed to reduce the number of farmers and consolidate land holdings. Price policies in particular led to increased yields and an intensified use of inputs. These policies have been so effective that the reverse problem now exists. Increasing total production is not the goal now. Rather, the emphasis is on adopting less intensive methods of production and use of inputs in order to decrease unit costs, becoming more competitive in world markets and alleviating environmental problems.

However, social and environmental concerns are likely to raise production costs. Unemployment in Western Europe is at historically high post-war levels so that a release of farm labour at former rates is not likely. Furthermore, large-scale mechanical and intensive farming methods are coming under increasing attack from environmental and consumer organizations. Many people feel that pollution and potential health problems resulting from the heavy use of pesticides and biological chemicals to increase crop and livestock growth have surpassed acceptable levels. Food quality is also questioned in that the taste and quality of products are not as appealing to many consumers as they were formerly.

Other concerns have also arisen such as the welfare of animals in large scale livestock agro-industrial production systems and the conservation of soil as a result of intensive growing methods. Thus opinion is gathering among scientists and the public to mitigate such problems by maintaining smaller farms that absorb more labour and use less capital intensive methods. The outcome is that unit production costs could increase, thus squeezing farm profits and raising consumer prices.

The agenda for agricultural research in EEC countries will have to shift to reflect these concerns. Ways will have to be pursued to decrease input use and cost while maintaining production at desirable levels and meeting social and environmental concerns as far as possible.

Eastern Europe

The goals of the socialist countries of Eastern Europe continue to be to increase the supply of agricultural products, to improve living standards for people in agriculture, and to improve the contribution of agriculture to their national economies. Agricultural production goals of the latest five-year plan have not been met by CMEA member countries and the high prices of industrial inputs to agriculture combined with low prices for agricultural products have squeezed farm incomes.

Adjustments in agricultural policy designed to meet goals generally centred on making agriculture more efficient. The central thrusts of the adjustments are to specialize production further based on the natural advantage of different regions and to improve incentives at all levels of the food chain. Special emphasis will also be directed to reduce wastage between the farm and the consumer.

Relatively higher producer prices will be granted to those regions where the production potential is low in order to distribute income more equally without jeopardizing production gains. Estate and collective farms are also being directed to provide inputs to private and household plots in order to increase production on these relatively efficient users of land. The private plots granted to workers in the USSR are particuarly important as they provide nearly one-third of total perishable products.

Research efforts in Eastern European agriculture are directed toward exploiting the opportunities offered by improved plant breeding and introducing genetic characteristics adapted for the short growing season in the grain areas. Research has also shown that forage crops should replace cereals in some regions of the USSR since forage crops grow better, prevent erosion, and lessen food dependence on imported animal feeds. Underlining this latter trend, the USSR has again entered the world grain market in 1984 with large purchases of grain to meet the deficit created by low production.

3. LONG-TERM TRENDS AND ISSUES

Food Availability and Utilization

As measured by dietary energy supplies (DES), there has been an improvement in overall food availability in developing countries since the world food crisis of the early 1970s (Fig. 1-2). This overall dietary improvement (from 2 140 to 2 350 calories a day per caput) reflects the fact that, on the whole, food supplies have more than kept pace with population growth. However, this has not been universal. In 28 countries, with a total population of 357 million in 1980, supply availability and dietary levels have declined.

The reasons for the widely varying positive and negative experiences of developing countries are to be found in a complex interrelationship of supply and demand factors. In the following analysis, such factors are briefly reviewed for two groups of countries that were selected from a total of 90 developing countries on the basis of their experiences in changing their food situation. 9/

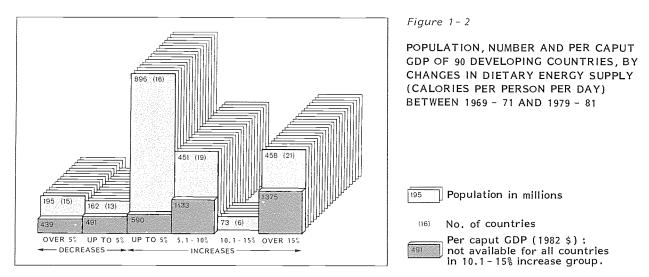
At one extreme, 28 countries with a population representing 16% of the 90 countries' total population showed declines in their DES between 1969-71 and 1979-81. Most of these are low-income countries and 11 of them are in Africa. At the other extreme, 27 countries (accounting for almost one-quarter of the 90 countries' total population) attained a

<u>9/</u> The same group of countries as in FAO, <u>Agriculture:</u> Toward 2000. (China is excluded from this group).

significant improvement in DES of 10% or more during the same periods. Only three of these are low-income countries, but 11 are in Africa.

<u>Supply factors</u>. As might be expected, changes in domestic food production played a major role in the changes in DES (Table 1-15). In the group of countries with improving DES, per caput food production (calorie weighted) rose by 0.3% a year, while in the other group with worsening DES it declined by 1% a year.<u>10</u>/ Between 1969-71 and 1979-81, this represented a supplement of approximately 65 calories a day to the average per caput DES of countries in the first group, and a loss of about 230 calories a day in the second one.

The impact of food production on DES was limited by the difficulties encountered by a majority of countries in expanding rapidly food production as measured in calories. Most countries achieving a high rate of food production have increased their production of livestock products, which have a relatively low-calorie content, at even higher rates.



Source: FAO, Statistics Division.

Examples of these countries are Indonesia, the Philippines, Korea DPR and Rwanda but, except for Korea DPR, this accomplishment was also associated with rising food imports. In fact, improvements in DES were largely associated with the countries' capacity to import food. Between 1969-71 and 1979-81, the import share of DES of countries with increasing DES rose from 19% to 31%, whereas it went from 5% to only 9% in countries with decreasing DES countries. <u>11</u>/ Such an increase resulted in an addition of 400 imported calories a day per caput in 'successful' countries and 70 calories in the other group. In other words, imports contributed approximately 80%-90% of the net increase in average per caput DES in the group of countries with increasing DES and compensated by nearly one-third for the losses incurred from reduced output in the other group.

- 10/ These preliminary estimates have been derived from the background work for the FAO, Fifth World Food Survey (forthcoming) and are subject to change.
- <u>11/</u> For developing countries as a whole, gross food imports represented nearly 8% of total food supplies (in calorie equivalents) in 1979-81, almost twice as much as ten years earlier.

		27 countries in- creasing DES <u>a</u> /	28 countries de- creasing DES <u>b</u> /
Annual change in per caput foo production, calorie weighted		0.3	-1.0
Population 1979-81	(millions	s) 531	358
Share of population of 90 countries	(%)	23	16
Annual change in volume of per caput food imports	(%)	7.5	0.6
Annual change in volume of per caput food imports, in caloric terms	(%)	8.5	3.5
Per caput DES suplies: - 1969/71 calories/day - 1979/81 calories/day		2 214 2 689	2 209 2 050
Imported DES supplies as proportion of total DES: - 1969/71 - 1979/81	(%) (%)	19.4 31.2	5.1 8.9
Growth of per caput GDP 1970/80	(3.0	0.2
GNP per caput 1981	(\$)	1 235	326

TABLE 1-15. PER CAPUT FOOD AVAILABILITY INDICATORS, SELECTED DEVELOPING COUNTRIES, 1970s

a/ Countries with dietary energy supplies (DES) increasing by 10% or more during the 1970s.

b/ Countries with decreasing DES during the 1970s.

Sources: FAO, Statistics Division and World Bank.

Such improvements in DES from external sources imply for some countries a potentially untenable dependence on imported food. For the group of countries that significantly raised their DES, rapid increases in imports usually have been associated with the capacity to finance them. However, for the countries with declining levels of DES, the increasing dependence on imports has represented a financially burdensome way to compensate for inadequate production performances. Food imports occupy a higher share of total export earnings in this comparatively poor group despite its much slower increase of food imports in absolute terms.

There is doubt that past levels of imports can be maintained, given current levels of indebtedness and capacity to earn foreign exchange. In the two groups of countries considered, debt servicing absorbed a substantial and increasing share of export earnings (11% and 14% in 1981 in the countries with significantly increasing and decreasing DES, respectively). The increase in the debt service ratio since 1973 was lower in the group of countries with increasing DES (22%) than in the other group (33%). Income and price factors. Changes in DES appear to be strongly related to demand factors: per caput GDP (as an indicator of the capacity to purchase domestic and imported food) and the price of food relative to wage rates (as a measure of the real price of food).

The group of countries that significantly increased DES, a group that includes many oil exporters and newly industrializing countries, had much higher and more rapidly growing levels of per caput GDP than the countries with decreasing DES (Table 1-15).

Many countries have increased their DES through food imports that seem to be highly correlated with income levels; those countries that increased their DES had a per caput income growth rate of 3% annually from 1970 to 1980 compared with 0.2% for those countries that were unsuccessful in raising their DES (Table 1-15).

Changes in the consumer prices of food are also important factors in determining the structure of food demand and changes in nutritional levels. In a group of 25 developing countries (9 African, 10 Latir American and 6 Asian) selected on the basis of data availability, extremely wide variations were found in levels of consumer food prices. However, a close correspondence was evident between food price changes and levels of DES. The real price of food (as deflated by average wage rates) declined in 12 countries, all of which recorded improvements (on average 8%) in DES between 1971-73 and 1979-81. For example, Nigeria, El Salvador, Mexico, India and Republic of Korea, where particularly positive results were achieved in reducing food prices relative to wages, recorded increases from 9% to over 40% in their levels of DES. On the other hand, the group of 13 countries with rising real prices of food showed a stagnating nutritional situation during the same period.

<u>Feed utilization</u>. At the time of the World Food Conference there was some discussion on the use of what were, at times, scarce food supplies to feed livestock rather than hungry humans. This was in response to a greatly increased use of cereal as livestock feed by developed countries during the 1960s. However, from the early 1970s the increase has tended to level off. It is now in the developing countries, particularly those with higher incomes, where pressures for more livestock feed are strongest to sustain national livestock development plans.

Between 1969-71 and 1979-81 the global utilization of food commodities for livestock feed rose by 4% when measured in terms of calories a day per caput. A decline in feed use in some developed countries (mainly in North America and the Southwest Pacific) was more than offset by increases in developing countries (Africa 17%, Latin America 10%, Near East 36%, Far East 17% and ACPEs 100%). However, developing countries were still using only one-tenth as many calories from food used as livestock feed as developed countries by 1979-81.

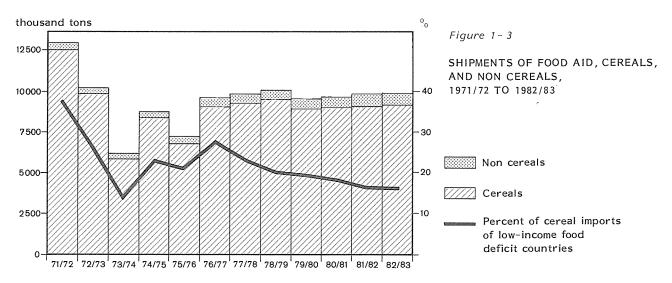
On the whole, increasing feed use has resulted in an improvement in nutritional levels of developing countries, as measured by daily intake of animal protein. Again, however, wide differences among countries are found. Taking the two groups of countries described in Table 1-15, those with significantly increasing DES achieved an increase of 27% in daily intake of animal protein per caput during the 1970s, at the cost of increasing by 182% the calories used in livestock feed (Table 1-16). In contrast, those countries with decreasing DES hardly increased the use of calories for feed, but their per caput daily intake of animal protein declined. TABLE 1-16. COMPARISON OF FEED USE, LIVESTOCK PRODUCTION AND CONSUMPTION OF ANIMAL PROTEIN, SELECTED COUNTRIES, 1970s

	Average increase in calories used in livestock feed	Average annual change in live- stock production	Average change in intake of animal protein per day
		•••••	• • • • • • • • • • • • • • • • • • • •
25 countries with decreasing DES	1	2.3	-2
l9 countries with significantly increasing DES	182	4.4	+27

Note: The number of countries in each group differs from those in Table 1-15 because of data limitations.

Sources: FAO, Statistics Division and Policy Analysis Division.

Some aspects of food aid. One of the more serious aspects of the food crisis of the early 1970s was the decline in shipments of food aid precisely at the time when they were most needed (Fig. 1-3). The volume of food aid was reduced by one-half during 1972-74 although, with rising food prices, its value remained broadly unchanged. As a consequence of this reduced volume, the share of cereal imports of low-income fooddeficit countries covered by food aid plunged by more than one-half to 13%. This share recovered for a few years as the level of food aid regained 9 million tons a year by 1976/77, but by the early 1980s it again approached the low level of 1973/74. The increase of commitments to the Food Aid Convention to a minimum of 7.6 million tons in 1980 from the 4.2 million ton level of 1973/74, while still below the objective set by the World Food Conference of 10 million tons, nevertheless provides some cushion against drastic reductions in food aid shipments.



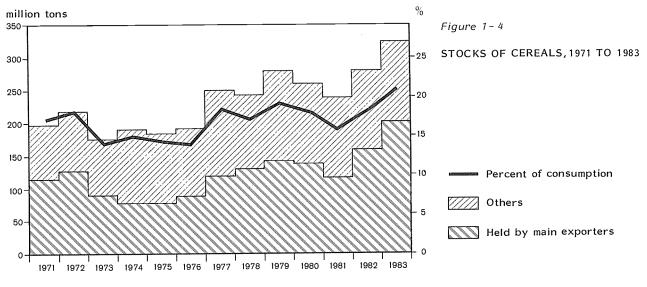
Source: FAO, Commodities and Trade Division.

Food aid does not contribute greatly to overall calorie supply, but it is important for many individual countries. Low-income, food-deficit countries imported about 13% of their food supplies in terms of calories in 1979-81. Food aid covered approximately one-fifth of these countries' imports, so that the overall proportion of calories from food aid was 2%-3%.

The main benefit of food aid is to lower the foreign exchange costs of food imports for nutritionally precarious low-income countries.12/ As incomes rise, as has been pointed out, food imports tend to increase rapidly and, in the majority of cases, food aid is phased out.

The emergency component of food aid was covered more adequately after the World Food Conference by the establishment of the International Emergency Food Reserve (IEFR) in 1975. Since 1976, emergency operations funded from its resources have risen from \$12 million to \$172 million in 1982, equivalent to 24% to 89%, respectively of the total cost of WFP emergency operations. However, in the early years of the IEFR, at a time when the cost of emergencies was rising fast, its funding was not reliable. Its replenishment target of 500 000 tons of cereals has been achieved only in 1981, 1983 and 1984. In view of the increasing requirements for emergency assistance, the need to put the IEFR on a more reliable footing remains.

<u>Cereal stocks</u>. The rapid decline in the level of global stocks of cereals was one of the more alarming features of the world food crisis. However, the decline occurred in stocks held by the main exporters; those held by others (mainly cereal importers, particularly the EEC) in fact tended to increase during 1972-74 (Fig 1-4). Since the late 1970s, stocks have tended to be more evenly shared among the main exporters and others (mainly China and India), although recently cereals stocks have increased only in a few major exporting countries.



Source: FAO, Commodities and Trade Division

12/ Barbara Huddleston, Closing the Cereals Gap with Trade and Food Aid, IFPRI Report No. 43, Washington D.C., January 1984.

Changes in the consumer price of food are important factors in determining the structure of food demand and changes in nutritional levels. In a group of 25 developing countries (9 African, 10 Latin American and 6 Asian) selected on the basis of data availability, extremely wide variations were found in levels of consumer food However, a close corprices. respondence was evident between food price changes and levels of dietary energy supplies (DES). Real prices of food (as deflated by average wage rates) declined in 12countries, all of which recorded improvements (on average 8%) in DES between 1971-73 and 1979-81. For example, Nigeria, El Salvador, Mexico, India, and the Republic of Korea, where particularly positive results were achieved in reducing food prices relative to wages, recorded increases from 9% to over 40% in their levels of DES. On the other hand, the group of 13 coun-tries with rising real prices of food showed a stagnating nutritional situation during the same period.*

This analysis can be further expanded by examining the time of work required for low-wage earners (unskilled workers in urban areas) to purchase selected food products that are major components of their daily diets. Because of statistical shortcomings, this analysis is confined to only 18 developing countries.

Rice is a staple food in nine of the 18 developing countries covered. In these, the time of work required to purchase 1 kg of rice ranged from 12 to 212 minutes in the early 1970s and from 12 to 154 minutes ten years later. Despite its greater relative importance for Far Eastern countries, rice was much more costly in relation to wages of unskilled workers in this region in the early 1980s (79 minutes of work), than in Latin America (43 minutes).

Wheat and wheat products provided most of the total calorie supply in nine other developing countries. In the early 1970s, 6 to 32 minutes of unskilled work were required to purchase 1 kg of wheat in these countries, as against 10 to 54 minutes in 1980-82. Considering the 18 developing countries selected in the latter period, it took 34 minutes of such work to purchase 1 kg of wheat in the Latin American countries and 108 minutes in the Far Eastern ones.

In eight countries where beef meat was found to contribute significantly to the total animal protein supply, the purchase of l kg of this product involved 82 to 700 minutes of work in the early 1970s compared with 124 to 554 minutes in the early 1980s. As may be expected, costs of beef meat in Latin America, a major producer of this commodity, were noticeably lower than in other regions (257 minutes, one-third less than in the Far East). In the three African countries reviewed, the average was 627 minutes.

In seven countries, mainly in the Far East, fish contributes significantly to total annual protein supply. In these countries an unskilled worker had to work between 117 to 670 minutes to purchase 1 kg of fresh fish in the early 1970s; and 114 to 896 minutes in the early 1980s. In Far Eastern countries, the decreasing per caput supply of food fish has contributed to an increasing competition with beef. In the early 1980s, beef has become cheaper than fresh fish in all Far Eastern countries reviewed.

* Wage and price data were those of ILO; food consumption patterns and calorie requirements were derived from FAO Food Balance Sheets 1979-81, 1984 and 1984 Country Tables.

The coordination of cereal stock-holding policies, in an attempt to stabilize global supplies, was a central element of FAO's International Undertaking on World Food Security endorsed by the World Food Conference. The conclusion of a new international wheat agreement with price and stocking provisions, which would be a major expression of support for the undertaking, has not yet been possible. Nevertheless, a few developing countries are beginning to hold larger stocks of cereals and use them for supply stabilization purposes. Furthermore, regional cooperation in the area of food security has been strengthened. Examples are the establishment of the Association of the Southeast Asian Nations' (ASEAN) Emergency Rice Reserve, the Southern Africa Development Coordination Committee (SADCC) in Africa, and the Committee for Action on Regional Food Security (CASAR) of SELA (Sistema Economico Latino Americano).

Food and Agricultural Production

Rates of increase in food production. From 1974--the year of the World Food Conference--to 1983, world food production, weighted by national prices, increased annually by 2.2%, nearly 0.5% above population growth (Table 1-17). In spite of their difficulties, developing countries (including China) expanded their food output at a rate approaching three times that of developed countries, but because of their much higher rate of population growth, the per caput growth rate was only a little more than double that of developed countries. Therefore, there has been an appreciable growth of over 10% in per caput food production of developing countries as a group since the World Food Conference.

The least developed countries (LDCs), most of which are in Africa, were a disappointing exception. Their per caput food production declined, and they remain a major cause for concern. Although food imports increased significantly during the 1970s, the importance of gains in domestic food production in sustaining dietary improvements in many developing countries, particularly the most populous among them, is clear.

TABLE 1-17.	ANNUAL RATE	OF	CHANGE	OF I	FOOD	AND	PER	CAPUT	FOOD
	PRODUCTION,	ВΥ	COUNTRY	GR	OUP,	1974	1-84		

Country group	Food production	Per caput food production
		9. • • • • • • • • • • • • • • •
World	2.2	0.4
All developed countries	1.3	0.6
All developing countries	3.3	1.2
Food aid priority countries	3.5	1.5
Developing oil exporters	3.4	0.6
Developing non-oil exporters	3.3	1.2
LDCs	2.1	-0.5
Low-income countries a/	3.6	1.6
Developing countries other than low-inco	ome 2.9	0.3

a/As defined by the World Bank, with GNP per caput up to \$410 in 1982. Source: FAO, Statistics Division.

The majority of developing regions have failed to achieve the minimum indicative goals of food production increases discussed by the World Food Conference (Table 1-18).13/ Only Asia and the Far East accomplished the

^{13/} The conference did not specifically adopt these regional goals but rather the overall and higher annual growth rate of 4%. United Nations Resolution 1, <u>Report of the World Food Conference</u>, E/CONF. 65/20, New York 1975.

goal of 3.4%. Indeed, ACPE exceeded it, but entirely because of China's progress. Africa achieved only one-half of the region's goal (1.9% against 3.8%); the Near East about 65% of its goal (2.6% against 4.0%); and Latin America about 80% of its goal (3.0% against 3.6%). In all regions except Africa, population actually increased at lower rates than had been projected. The actual production shortfalls in relation to the conference's targets were nonetheless significant.

The overall performance of food production in developing countries also conceals widely differing rates of production gains by country in relation to population growth (Fig. 1-5). Since 1974 food output has been rising by more than 3% a year in 28 countries (including China) with a total population of approximately 2 600 million people, out of the total of 105 countries shown. Furthermore, for almost all of these 28 countries, food production growth was faster than that of population growth. On the other hand, food production did not keep pace with population growth in 50 countries, which had a total population of 566 million people.

The stability of food production. An important issue concerns the stability of food production. Has production become more or less stable since the early 1970s, and have the cases of improved food production performances been associated with greater instability? Using data from 38 developing countries that represent about 80% of food production of all developing countries, the following observations can be made:

- In 19 countries, food production was more stable in 1971-80 than it had been in 1961-70; in 17 it was less stable; and in two it was unchanged.
- Higher rates of increase in food production in the 1970s do not seem to be associated with greater instability compared with the 1960s. In the 1970s, 19 countries of the 38 achieved higher rates of increase in food production than in the 1960s. Of these, only eight showed higher average deviations from the trend.14/

<u>Production of food and non-food products</u>. Another important issue relates to the relationship between the domestic production of food and non-food agricultural products. Some analysts believe that since the two groups of products compete for land and other resources, a disappointing performance in food production stems in part from an overemphasis on nonfood production. An opposing view is that the improved technologies and husbandry adopted for non-food agricultural products--often cash or export crops--spill over into food crops as well. Improved cash flows also can help intensify the input use for food crops.

The evidence provided by the same 38 countries for the period 1974-83 appears to question both views. There was no significant correlation, either negative (that would support the first opinion) or positive (that would support the second), between the growth rates of food and non-food agricultural production.

The changing pattern of food production. The final issue dealt with here concerns the changing pattern of food production, largely in response to shifts in food demand. Between 1974-75 and 1982-83 there have been quite significant changes in what is normally a slowly shifting pattern (Table 1-19). There has been a clear shift to livestock production (and

14/ Other studies, for example, by the International Food Policy research Institute, which point to the increasing instability of production since the early 1970s, refer to cereals and not 'total' food.

NS AND EXTRAPOLATIONS TO 1985 OF FOOD DEMAND AND PRODUCTION IN DEVELOPING	~	
PROJECTIONS AND	COUNTRIES AND	1974-84
TABLE 1-18.		

	Food demand growth	Бr	tion	Population	ис
	1974 <u>a</u> /	Extrapolation Actu to 1985 1	Actual trend 1974-84	Extra pola tion to 1985	Actual trend 1974-84
		• • • • • • • • • • • • • • • • • • •	• • • • • • •		
Developing market	et				
economies	3.6	2.6	3.0	2.7	.2.5
Africa	3.8	2.5	1.9	2.9	3.1
Far East	3.4	2.4	3.6	2.6	2.3
Latin America		2.9	3.0	2.8	2.4
Near Fast	4 • O	3.1	2.6	2.9	2.7
ACPE	3.1	2.6	4.1	1.6	1.4
All developing					1
countries	3.4	2.6	з . З	2.4	2.1
a/ World Food	World Food Conference projections, 1974	1974.			
Sources: UN W and	UN World Food Conference, <u>The World Food Problem</u> , Rome, November 1974; FAO, Commodity and Trade Division, and Statistics Division.	ence, <u>The World Food Problem</u> , and Statistics Division.	Rome, Nove	ember 1974; FAO,	. Commodity

Rate of change				1984 Population			
of food output (%)	1.5 and below	1.6 to 2.0	2.1 to 2.5	2.6 to 3.0	3.1 to 3.5	3.6 and above	(millions)
-3.0 and below	TRINIDAD AND TOBAGO				i.	SAUDI ARABIA	11.9
- 2.9 to - 2.0			LESOTHO		GHANA		14.5
- 1.9 to 0.1	KAMPUCHEA DOMINICA PUERTO RICO		GAMBIA YEMEN	PERU NAMIBIA NICARAGUA	ZIMBABWE ZAMBIA SENEGAL	BOTSWANA MOZAMBIQUE GUINEA- BISSAU	78,4
0.0 to 0.9	JAMAICA	MAURITIUS BURUNDI	CAMEROON HAITI GUYANA DEM. YEMEN GUINEA	BOLIVIA COSTA RICA	ANGOLA		49.3
1.0 to 1.5	GABON URUGUAY SAMOA AFGHANISTAN	SIERRA LEONE	CENTRAL AFRICAN REP. NEPAL DOMINICAN REP.	MADAGASCAR SUDAN TUNISIA			84.6
1.6 to 2.0	CYPRUS	CHILE BARBADOS	CHAD BURKINA FASO	ZAIRE EGYPT EL SALVADOR	MOROCCO UGANDA ALGERIA ECUADOR LIBERIA	KENYA SOMALIA	203.3
2.1 to 2.5	CAPE VERDE	REUNION	PANAMA CONGO ETHIOPIA MALI	BENIN PAPUA NEW GUINEA TOGO	VENEZUELA		76.1
2.6 to 3.0	KOREA REP.	ARGENTINA BHUTAN	TURKEY COLOMBIA	BANGLADESH GUATEMALA MALAWI MAURITANIA	IRAN NIGERIA	LIBYA	403.3
3.1 to 3.5	LEBANON		INDIA	MEXICO	TANZANIA PAKISTAN PARAGUAY		950.7
3.6 and above	CHINA CUBA SURINAME	SRI LANKA INDONESIA	BRAZIL BURMA KOREA, DPR MALAYSIA THAILAND VIETNAM	NIGER PHILIPPINES SWAZILAND JORDAN LAO	RWANDA SYRIA	BRUNEI HONDURAS IRAQ IVORY COAST	1655.0

Figure 1-5 ANNUAL RATE CHANGE OF FOOD (CROPS AND LIVESTOCK) PRODUCTION IN RELATION TO POPULATION GROWTH FOR 105 DEVELOPING COUNTRIES, 1974-1984 *

Source: FAO, Statistics Division.

* The figure refers to net food production, which represents disposable production minus domestically produced and imported seed and feed. Differences between net and gross production can be considerable in the cases of countries importing large quantities of feed. For instance, gross food production in Saudi Arabia rose by 9.5% annually between 1974 and 1984, but declined by 5.5% in net terms during the same period because much of the increase in food production was in livestock products based on imported feeds.

within that, to meat). This would be expected as per caput incomes rise. Within crops, there appears to have been a reduction in the share of cereals except in the case of the developed countries, Latin America and the developing oil exporters. The relative shift in agricultural production in Africa away from cereals is particularly striking. It may reflect the prolonged droughts in parts of the region that reduced cereal output.

TABLE 1-19. SHARES OF SELECTED COMMODITY GROUPS IN TOTAL AGRICULTURAL OUTPUT IN 1982-83 AND PERCENTAGE CHANGE IN THE SHARES, 1974-75 TO 1982-83

	Shares	in 1982-83	С	hanges	in share	es
				1974-75	to 1982-83	
	Crops	Livestock	Crops	Cereals	Livestock	Meat
	* * * * * *			• • • • • •		* * * * *
All developed countries	48.9	51.1	-0.4	1.4	0.4	0.7
All developing countries	75.3	24.7	-2.6	-0.3	8.8	9.4
Africa	73.3	26.7	-5.2	-8.3	17.6	13.8
Far East	82.0	18.0	-1.7	-2.0	8.4	11.1
Latin America	64.6	35.4	-2.4	1.8	4.7	6.2
Near East	65.4	34.6	-3.1	-5.4	6.5	5.0
ACPE	79.8	20.2	-3.2	-2.3	14.8	16.8
Developing oil exporters Low-income countries (up to \$410 per caput GNP		28.9	-6.0	1.2	18.4	14.8
in 1982)	79.9	20.1	-2.4	-	11.0	17.8

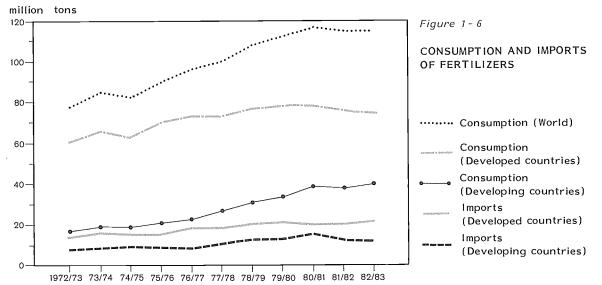
Source: FAO, Statistics Division.

<u>Fertilizers</u>. "In the present state of agricultural technology chemical fertilizers constitute one of the most important single means to increase food production."15/ This statement introduced the fertilizer section in the document discussed by the World Food Conference and remains true today.

A physical shortage of fertilizers and high world prices for fertilizer materials characterized the fertilizer sector at the time of the 1972-74 world food crisis. Consumption levelled off in developing countries and declined in developed ones for the first time since the end of World War II (Figures 1-6 and 1-7). These high prices, however, generated large new investments in fertilizer capacity, prices fell and consumption continued to expand during the 1970s. Since 1980, however, consumption has again levelled off as a consequence of another surge in prices resulting from the second oil shock of 1979, the effects of the recession on the agriculture sector, and international debt payment problems that curtailed imports. The effect of price increases on consumption since 1979 would have been even more severe if domestic fertilizer prices at the farmgate had closely followed world market prices. By and large they do not because of subsidies or because governments set domestic prices that are not fully linked to world prices.

Since mid-1980, fertilizer prices (expressed in U.S. dollars) dropped on world markets and fears were expressed by the FAO Commission on Fertilizers in early 1983 that sufficient investment would not be forthcoming to maintain adequate capacity in the industry.

15/ UN, The World Food Problem: Proposals for National and International Action, E/CONF. 65/4, Rome, August 1974, para 110.



Source: FAO,Statistics Division.

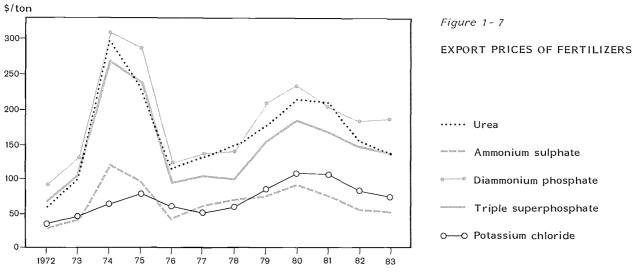
Two important current issues in the fertilizer sector are as follows:

a) Many developing countries, including some of those importing relatively large quantities of fertilizers, are facing severe debt financing problems. This situation, combined with low prices for agricultural commodities, has resulted in a decline in imports of fertilizers by developing countries. Only part of this decline can be explained by an expansion of their domestic fertilizer production capacity.

Nevertheless, for 21 of the 30 major developing country importers of manufactured fertilizers, expenditures on fertilizer imports constituted a declining share of total export earnings between 1974-75 and 1980-81. This share is relatively large in some countries such as Bangladesh, 16% in 1980-81, and 11%-12% for India and Pakistan. The means to allow such countries to maintain their supplies of fertilizers during periods of external payment problems have been considered, such as expanding the coverage of IMF's cereal import facility to include fertilizers. In some cases, the World Bank and regional development banks are financing fertilizer imports to maintain the impetus of agricultural development projects.

The International Fertilizer Supply Scheme (IFS) was established by the FAO Council in 1974 on the recommendation of the Commission on Fertilizers to channel fertilizer supplies to countries most seriously affected by the crisis of 1973-74. Unfortunately, its resources have dwindled in recent years, although contributions totalling over \$5 million have been made by Italy, Ireland and Austria.

b) The supply-demand balance that has characterized the fertilizer sector in the past few years may deteriorate as a long-term result of low world dollar prices in 1982 and 1983 (for some kinds of fertilizers there was little increase in nominal terms in 10 years) and the consequent lack of investment in new fertilizer facilities. Production of nitrogenous fertilizers involves high capital investment costs and depends on the availability and cost of natural gas, the preferred feedstock. Production of phosphatic and potassic fertilizers is less capital intensive, but depends more on the costs and location of raw materials.



Source: FAO, Land and Water Development Division.

Taking these factors into consideration, the June 1984 forecast of the FAO/United Nations Industrial Development Organization (UNIDO)/World Bank Working Group on Fertilizers indicates a comfortable supply-demand balance for phosphatic and potassic fertilizers during the next five years. However, there is a potential supply constraint for nitrogenous fertilizers beyond this period unless the necessary investments are made soon. (See section on fertilizers in "Current Situation and Outlook").

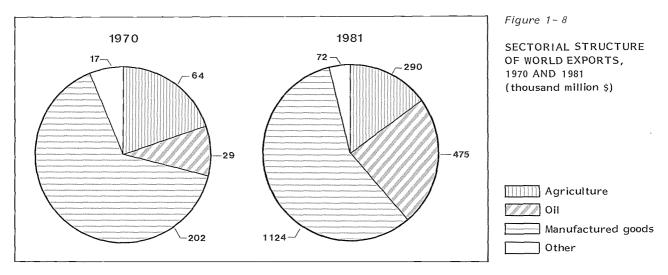
Structural Changes in Agricultural Trade

The economic instability that characterized the international environment during the post-1973 period had profound repercussions on the magnitude, destination and composition of agricultural trade. 16/ The expansion in the volume of world merchandise trade slowed down from 8.5% in 1963-73 to 4% in 1973-80 and stagnated in 1981-82. While a small recovery was observed in 1983, it was only in 1984, when the recovery entered a more mature phase, that world trade regained its dynamism. In fact, GATT estimated that the volume of world trade in the first nine months of 1984 was 8.5% higher than the same period in 1983.

Declining role of agriculture in world trade. Despite the rapid increase in world agricultural exports (about 4.2% annually in constant value terms between 1970 and 1981 and significantly greater than the growth of world agricultural output of about 2.5%), the share of agriculture in total merchandise trade declined from 21% to 15%. The composition

^{16/} Unless otherwise stated, "agricultural trade" refers to trade in crops, livestock, fisheries and forestry products.

of world trade was radically altered by the emergence of petroleum as a major source of export earnings. The share of manufactures in world exports also declined, though less markedly than agriculture (Figure 1-8).



Source: UN, Monthly Bulletin of Statistics, May 1983.

Agricultural trade flows. One major feature of the period reviewed was the change in the developing countries' position from net exporters to a net importers of crop and livestock products in 1981. Exports of developing countries rose 2.3% annually in constant value terms between 1970 and 1981, less than half the growth rate in developed countries. At the same time, agricultural imports of developing countries were expanding by nearly 9% annually in real terms, three times faster than imports developed countries.

On the side of agricultural imports, developed countries tended to rely more on supplies from other industrial areas. Among developing regions, only the Far East and Latin America succeeded in maintaining their shares of developed country total imports throughout the 1970s (about 9% and 14%, respectively). On the other hand, Africa's competitive position in developed country markets for agricultural products suffered a sharp deterioration, and its aggregate share of these markets declined from 8.5% in 1970 to only 3.7% in 1981.

The decline in the relative position of developing countries in world agricultural exports also reflected, to a large extent, the inability of Africa to capitalize on growing markets for agricultural commodities. With its agricultural exports declining by 2% a year in constant terms, Africa accounted for only 3% of the world total in 1981 compared to 8% in 1970. The other main exporting regions, the Far East and Latin America, maintained shares of around 12% and 10%, respectively.

The 1970s witnessed a gradual strengthening in the position of developed countries as world agricultural exporters and a growing diversification in their export markets. Agricultural exports from developed countries represented 71% of world exports in 1981, compared to 67% ten years earlier. The counterpart of this increase was a reduction in the respective shares of developing countries, where difficulties of access to markets in some developed countries largely offset the moderate expansion that took place in agricultural trade between and within developing regions (Figure 1-9).

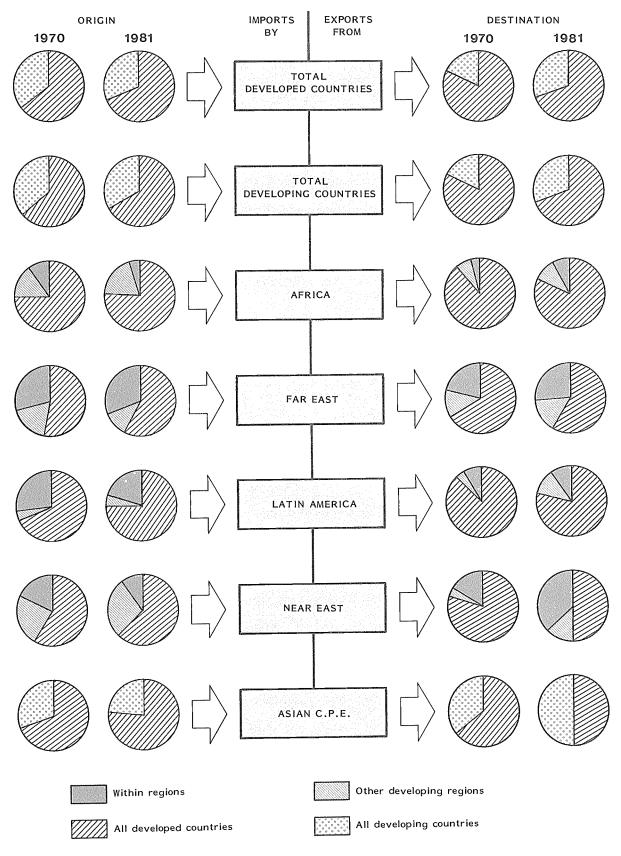


Figure 1 - 9 AGRICULTURAL* TRADE OF DEVELOPED AND DEVELOPING REGIONS, PERCENT SHARES BY ORIGIN AND DESTINATION, 1970 AND 1981

Source: UN, Monthly Bulletin of Statistics, May 1983.

* The definition of "agriculture" includes the following categories of the Standard International Trade Classification (SITC): 0+1+2+4 -27 -28. A growing penetration of developed country agricultural exports in developing country markets also was evident, to varying degrees, in all regions. Most striking was the fast growth of shipments to Africa and the Near East that emerged as agricultural outlets of comparable importance to developed countries as the Far East and Latin America. The share of exports to Africa in total developed country agricultural exports rose from 3.8% in 1970 to over 7% in 1981, and that of the Near East from 1.7% to 5.4%. By comparison, the far more populous Far East region absorbed 8.3% of the total in 1981 and Latin America 6.4%.

The importance of markets in developing countries for the developed country agricultural sector is shown by the fact that 11 OECD countries (out of a total of 24) are net agricultural exporters to developing countries, or 42% 17/ of OECD agricultural exports go to developing countries, and these exports are equivalent to 14% of OECD agricultural GDP.

An important factor behind the strengthening in import demand from developing countries was the emergence of oil-exporting countries as major markets for agricultural products. Agricultural imports by Near Eastern countries rose by nearly 14% a year in constant value terms between 1970 and 1981 compared with 9% for developing countries as a whole. The Near East accounted for over 7% of world agricultural imports in 1981 compared to only 2-3% in the early 1970s.

Agricultural trade between and within developing regions tended to intensify although industrial nations still remain by far the main recipients of developing country agricultural exports.

Trade in agricultural products between developing regions during the 1970s increased twice as fast as their agricultural exports to developed countries. As a result, the share of agricultural trade between developing regions of their total agricultural exports rose from 19% to 31% between 1970 and 1981. Latin America and the Far East showed increasing surpluses in their agricultural trade with the other developing regions, while the Near East and Africa were net importers. Latin American exports to other developing regions, almost negligible in 1970, exceeded trade within Latin America in 1981. Africa and the Near East became increasingly important outlets for Far Eastern and centrally planned countries.

The intensity of trade between developing regions varied considerably, but was on the whole smaller (by about one-third) than trade within regions. Latin America and the Far East relied primarily on their own regions for their agricultural imports, while purchases by the Near East and Africa were increasing from other regions.

Agricultural trade within economic integration groupings and clearing arrangements such as ASEAN remained relatively small. The share of intratrade among the major ll groupings covered by UNCTAD studies ranged from about 8% to one-quarter of their total agricultural exports in 1980. <u>18</u>/However, agricultural trade within such groupings and arrangements increased considerably faster than their total agricultural trade during the 1970s.

- 17/ This percentage differs from that shown in Fig. 1-9 for total developed countries. This is because OECD calculations are based on a more restrictive product coverage (in particular, they exclude forest products) than used here. Also, the statistical category "total developed countries" in Fig. 1-9 includes both OECD and centrallyplanned developed countries.
- 18/ See Trade Flows Among Developing Countries Participating in Clearing Arrangements, UNCTAD/ECDC/129.

<u>Commodity composition of agricultural trade (crops and livestock)</u>. The instability that has characterized international commodity markets is responsible for wide year-to-year changes in the relative weight of individual commodities in the value of agricultural trade. Taking as reference points the annual averages for the periods 1971-73 and 1980-82, the following overall features and trends can be observed in Fig. 1-10.

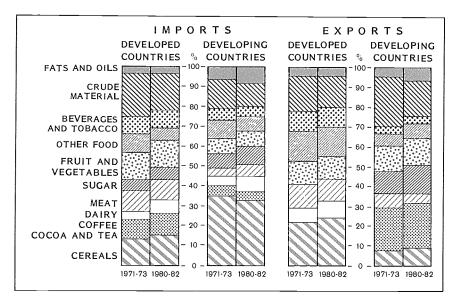


Figure 1-10

COMMODITY COMPOSITION OF AGRICULTURAL TRADE, DEVELOPED AND DEVELOPING COUNTRIES, 1971 - 73 AND 1980 - 82

Source: FAO, Stotistics Division.

Food products accounted for the greater part of total agricultural trade in both developed and developing countries. The share of food in total agricultural trade tended to increase, mainly at the expense of agricultural crude materials.

Cereals represented the largest group of agricultural export commodities, comprising nearly one-fourth of the total value of developed country agricultural exports and one-third of developing country agricultural imports.

Cereals and animal products accounted for nearly half of developed country agricultural exports. The relative importance of cereals and dairy products tended to increase while that of meat declined.

A high degree of concentration characterized the structure of developing country exports. Tropical beverages (coffee, cocoa and tea) provided nearly one-quarter of their agricultural exports during 1980-82 as against 21% during 1971-73. Nearly one-half of a group of 87 countries depended on these price-volatile commodities for 30% to over 90% of their total agricultural export earnings. <u>19</u>/ Fruits, vegetables and sugar--the latter, another commodity with highly volatile free market prices--made up another quarter of developing country agricultural exports.

The declining role of crude materials in developing country exports was particularly striking: from one-fourth of the total to 17%. The decline was mostly because of smaller exports of textile fibres, although oil-seeds and natural rubber also lost ground.

^{19/} Developing country export earnings from tropical beverages fluctuated by 22%, on average, around their mean value from the mid-1960s to the late 1970s.

Developing countries imported significantly more meat, dairy products and sugar. The commodity composition of trade between developing countries was highlighted by the following:

- The share of trade between developing countries in relation to total trade rose in practically all commodity groups, with the notable exception of live animals.
- There was a high growth in trade of vegetable oils, fruits, and vegetables, sugar and animal feed, in contrast to the stable shares of more traditional exports, such as rice, tea, cotton, coffee, rubber and oil-seeds.
- Developing countries represented the main market for most processed foods exported by other developing countries, while most raw materials were exported to industrial countries.

Economic significance of food imports. For a large number of developing countries, food imports became an increasing and sometimes unbearable economic burden during the 1970s. In 60 of 111 countries, the food import-export ratio deteriorated. In both Africa and Latin America, the majority of countries showed adverse trends. In 21 countries food import expenditures represented half or more of total export earnings. Food imports were less of a burden for some countries (Seychelles, Comoros, Martinique) that rely primarily on non-merchandise transactions and remittances for earnings of foreign exchange, and for others (Egypt, Somalia, Jordan) where food aid has represented 20% to 25% of total food imports. However, in other mainly African countries (Benin, Gambia, Burkina Faso, Senegal), increasing recourse to food imports resulted in a decline in other imports crucial for development.

The situation appeared less unfavourable at an aggregate level. For developing countries as a whole, food imports during 1980-82 accounted for around 10% of total export receipts--down from 13% during 1971-73. However, the food import-export ratio ranged from 8% in the Near East to 16% in Africa. It tended to deteriorate in Africa but improve in Latin America and, more markedly, in the Far East. It remained stable in the Near East where food imports rose as rapidly as oil-based export earnings.

Agricultural and food imports in relation to income levels. Developing country agricultural imports, in the aggregate, are heavily concentrated in a small number of newly industrialized oil-exporting countries. In the populous Far East region, the Republic of Korea, Hong-Kong and Singapore, together accounted for nearly 60% of the region's total agricultural imports in the early 1980s. In Latin America, more than onehalf of total imports were made by three of the highest income countries in the region--Brazil, Mexico and Venezuela--and in Africa, by Algeria, Morocco and Nigeria.

Taking food alone, the following features emerge about the relationship of food imports and per caput incomes (Table 1-20):

- Even though the absolute levels of per caput food imports in lowincome countries (\$4.20 in 1980-81) were minimal in relation to high-income developing and developed countries (nearly \$58 and \$100, respectively), they absorbed a comparatively larger proportion of per caput incomes in most of the periods considered.
- However, low-income countries appear to have encountered greater difficulties in bridging the food gap through imports. While per caput food imports rose faster than per caput incomes in all groups of countries, the increase in food imports was much smaller

in poorer countries where per caput income rose at half the rate of other income groups. As a consequence, there was an increasing gap between high- and low-income countries in the respective levels of both per caput income and per caput food imports.

TABLE 1-20. PER CAPUT FOOD IMPORTS, BY INCOME LEVELS, 1971-81

		1971-73	1974-76	1977-79	1980-81
DEVELOPING COUNTRIES					
Low-income a/ Per caput income Per caput food imports Share of per caput in-	(\$) (\$)	107 1.90	137 3.90	167 3.20	211 4.20
come spent on imported food	(%)	1.8	2.9	2.3	2.0
Middle-income Per caput income Per caput food imports Share of per caput in- come spent on imported	(\$) (\$)	262 5.60	440 12.10	626 13.80	788 21.40
food	(%)	2.1	2.8	2.2	2.7
High-income Per caput income Per caput food imports Share of per caput in- come spent on imported	(\$) (\$)	11.00	24.70	1 811 34.80	2 670 57.70
food	(%)	1.6	1.9	1.9	2.2
EVELOPED COUNTRIES					
Per caput income Per caput food imports Share of per caput in- come spent on imported	(\$) (\$)	3 033 35.30	4 237 61.30	5 969 78.60	7 359 99.50
food	(응)	1.2	1.5	1.3	1.4

a/ The 120 developing countries analysed were divided into three approximately equal groups with average per caput incomes as shown. Low-income countries are those with per caput income up to \$410 in 1982.

Source: FAO, Policy Analysis Division.

TABLE 1-21. OFFICIAL TOTAL COMMITMENTS TO AGRICULTURE (BROAD DEFINITION), THREE-YEAR MOVING AVERAGES

	1974-76	1975-77	1976-78	1977-79	1978-80	1979-81	1980-82	1981-83
	• • • • •	• • • • •	• • • • • •	ș mi	llions	•	0 0 0 0 0 0 0 0	
	21	13 06	04 1 /	9 L	ς	82 20	73 10	42 23
local at current prices Multilateral sources Bilateral sources	2 002 2 811 2 191	3 406 2 557	4 084 3 062	4 788 3 964	10 5 680 4 469	4 907	12 100 7 005 5 095	
OFFICIAL CONCESSIONAL COMMITMENTS								
Total at current prices Multilateral sources Bilateral sources	3 244 1 355 1 889	3 816 1 553 2 264	4 682 1 945 2 736	5 935 2 300 3 635	7 049 2 939 4 110	7 753 3 263 4 490	8 029 3 424 4 605	7.583 3 163 4 420
OFFICIAL NON-CONCESSIONAL COMMITMENTS								
Total at current prices Multilateral sources Bilateral sources	1 757 1 456 301	2 147 1 854 293	2 465 2 139 326	2 417 2 488 329	3 100 2 741 359	3 451 3 034 417	4 071 3 581 490	4 651 4 091 561

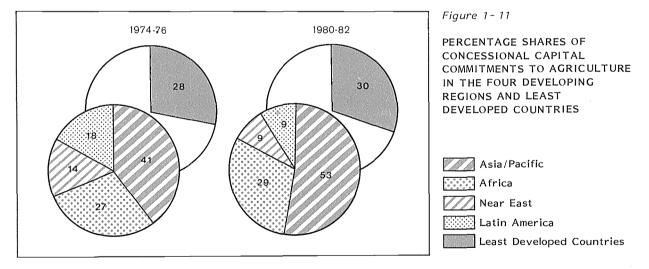
Sources: FAO, Policy Analysis Division, and OECD.

Trends in External Assistance to Agriculture

Total and concessional commitments. The savings rate of developing countries (21% in 1981) is comparable to that of developed countries (22%). However, developing countries have had to rely much more on external sources of financing to maintain their faster growth of investment, which increased by 7.5% annually during 1970-81, compared to 1.7% for developed countries. Therefore, it is of particular concern that the momentum of flows of official development assistance, which characterized the mid and late 1970s, appears to be faltering. The rate of growth in official commitments to agriculture (OCA) (broad definition) 20/ has slackened since 1979 and concessional commitments actually declined between 5% and 6% during the three years centred on 1982 (Table 1-21). Non-concessional commitments have partially compensated for this decline, but add further to the debt problem of developing countries.

Commitments for the early 1980s were about 40% short of the internationally agreed estimate of annual requirements during the period 1975-80 of \$8 300 million at 1975 prices (about \$13 100 million at 1980 prices), an estimate that originated in documents prepared for the World Food Conference and then endorsed by it. OCA (narrow definition) increased by 10% annually in real terms during the late 1970s to reach \$8 200 million in 1980 (Table 1-10). Even if this rate of growth of OCA had continued up to 1983, OCA would still have fallen short of the estimated annual requirement by more than \$2 000 million. In fact, the rate of growth has been only 2.5% in the early 1980s. In this respect progress since the World Food Conference has been disappointing.

<u>Regional distribution of commitments</u>. Asia and the Pacific and the Africa regions increased their shares of concessional capital assistance to agriculture by 12% and 2% ,respectively from 1974-76 to 1980-82 (Fig.1-11). The regional shares of the of the Near East and Latin America



Source: FAO, Policy Analysis Division and OECD.

^{20/} The "broad definition" includes assistance directly to the agricultural sector, plus the following indirect activities: forestry, manufacturing of inputs, agro-industries, rural infrastructure and rural, regional or river development. The "narrow definition" corresponds to assistance directly to the sector. For complete definitions, see Explanatory Note or FAO, The State of Food and Agriculture 1981, p. 21.

decreased considerably in the same period. However, because of the great difference in regional populations, Africa receives more in per caput terms (Table 1-22). Indeed, the figures for Africa and the LDCs would be higher than those shown if technical assistance is taken into account because they receive the greater part of such assistance. However, a breakdown of technical assistance by recipient country is not available.

Allocation of capital assistance by purpose. Land and water development is the subsector receiving most of the capital assistance to agriculture in all regions except in Latin America, where the leading subsector is agricultural services. Over all regions, land and water received about 33% of all capital concessional assistance to agriculture (narrow definition) in 1980-82. This was followed by agricultural services (16%), inputs (14%) and crop production (13%). The share of research and training increased from less than 3% in 1974-76 to about 8% in 1980-82, but that of the livestock subsector fell to 4% in 1980-82 from 13% in 1974-76.

Although more capital concessional assistance went to fisheries and forestry in 1980-82 than in the mid-1970s, each still accounted for only 5%-6% of the total.

TABLE 1-22.	CONCESSIONAL CAPITAL COMMITMENTS TO AGRICULTURE a/	'
	IN FOUR DEVELOPING REGIONS AND IN LDCs,	

	1974-76	1980-82	1974-76	1980-82
	\$ mil	lions	\$ per	caput
Asia/Pacific (excluding China) Africa Near East Latin America Total <u>b</u> / of which LDCs	526 352 178 232 1 287 365	2 221 1 195 395 390 4 201 1 258	0.30 1.10 1.00 0.70 0.40 1.50	0.90 3.20 1.80 1.00 1.30 4.30

a/ Agriculture includes all the purposes in the narrow definition, plus forestry.

b/ Total refers to capital commitments only, and therefore does not agree with the totals of Table 1-11 that cover all commitments, including technical assistance.

Sources: FAO, Policy Analysis Division, and OECD.

4. NATURAL RESOURCE SECTORS

Fisheries

Importance of fisheries. Fish is one of the most widely distributed food commodities in the world. It is generally less subject to social or religious restrictions on its consumption and probably less confined geographically in its production than many livestock products. It presently contributes about 6% of total protein supplies and, taking into account the indirect contribution of fishmeal fed to animals, about 24% of the world's animal protein supplies. Variations in the pattern of consumption are determined both by cultural factors--resting historically on availability--and on income levels. Thus the highest levels of consumption are found in Japan, Iceland, Norway and Denmark. However, the most vital nutritional impact of fish is in the developing countries of Asia and Africa where animal protein supplies are generally low, but where a high proportion are provided by fish.

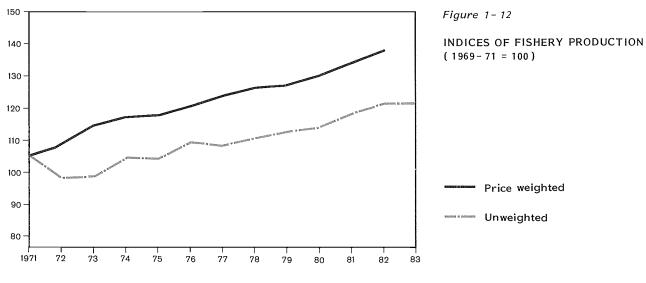
For many developing countries, fish is an indispensable item of daily diets. About 60% of the population of the developing world derive 40% or more of their total annual protein supplies from fish. Fish and fish products are not only highly nutritious, with protein content varying between 15% and 20%, but their biochemistry and amino-acid characteristics make them particularly efficient in supplementing the cereal and tuber diets widely consumed in Asia and Africa.

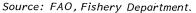
Apart from its role as a provider of food, fishing is an important source of employment and also of income generation through the inducement it provides for the establishment of secondary industries. Present estimates suggest that throughout the world some 15 million people are engaged directly in fishing, but such global figures give little indication of the vital importance that fishing has for many small coastal communities that have little alternative employment opportunity. Taking into account dependents and those engaged in processing, marketing and ancillary activities, several hundred million people rely, either wholly or partly, on fisheries for their livelihood.

Fish is also an increasingly important source of foreign exchange earnings. World exports of the major fishery commodities now exceed \$15 000 million annually, and while international trade in fish and fishery products is still dominated by the developed countries, developing countries are taking a larger share of this trade. Between 1974 and 1982 the volume of exports of fish and fishery products from developing countries doubled and their value trebled. The Republic of Korea, Mexico, Thailand, Peru, India, Chile, Indonesia, Mauritania, Senegal and Argentina are among those that have shown the most significant increases in fish exports.

Fisheries during 1973-1982. For fisheries, the last decade has been a period of far-reaching changes. The traditional concept of the freedom of the seas and the uncontrolled exploitation of fish stocks as a common property resource has been replaced, both in principle and as international and state practice, by recognition of the right of coastal states to national jurisdiction over the fish resources in zones extending typically 322 km (200 miles) from their shores. This new regime of the oceans is now embodied in the 1982 United Nations Convention on the Law of the Sea, and over 90% of the marine resources presently exploited now fall under national jurisdiction.

The new situation has evolved at a time when the nature of world fishing is undergoing a dramatic change. The rate of increase in the world fish catch has dropped sharply because many stocks of fish are either fully exploited or even overexploited. Whereas the total world catch grew by more than 6% annually from the late 1950s to 1970 from 28 million tons to 62 million tons, since the early 1970s the average annual growth has been only 1.5%. A price-weighted output index shows a higher rate of growth than that of catch since 1970, although this rate is lower than it was previously (Fig 1-12). This was due mainly to a decline in catches of low-value species for fishmeal production and to higher prices for fish.





<u>World fish production in 1983-84</u>. After increasing slowly but continuously for several years, the world fish catch in 1983, at 76.5 million tons, remained at about the level reached in the previous year (Table 1-23). The composition of catch changed, however, as the supply of food fish (compared with those destined for reduction to meal and oil) increased in 1983.

The developed countries, as a group, increased their catch for the fourth consecutive year by nearly 2% to 40 million tons. Most developing countries also increased their catch. However, as a group, their catch fell by 2% to 36.5 million tons. This decrease was mainly due to the fall of 2.3 million tons in the catches of Latin American countries. The principal factor contributing to this decline was the "El Niño" current, which adversely affected the small pelagic and tuna fisheries of Peru, Ecuador and Mexico. In Peru, landings declined by a massive 2 million tons--a 57% decline--while in Ecuador the catch also fell to less than one-half the level of 1982. However, Chile experienced an increase of 8% in landings and remained by a considerable margin Latin America's most important fishing nation, accounting for 44% of the region's total catch. In Mexico, the decline in landings of 250 000 tons was mainly in catches of sardines and anchovies.

Total fish production in Africa is estimated to have increased by some 280 000 tons, mainly due to higher catches by Namibia and Morocco that recorded increases of 70% and 23%, respectively. Some Asian countries also increased their catch: China (6%), Malaysia (9%), Indonesia (6%), India (8%), the Republic of Korea (5%), and Thailand (6%). The growth of production by the last two countries indicates that they were among those countries seriously affected by their exclusion from waters where they had traditionally fished.

					Cha	Change	Annual rate	Annual rate of change
	1974	1981	1982	1983	<u>1981 to</u> 1982	1982 to 1983	1974 to 1983	1979 to 1983
	• • • • •	•• milli	million tons.	• • • • • • • •	• • • • •	• • • • • • • • • • • • • • • • • • •	о с с с с с с с с с с с	
Developing market economies	23.5	29.4	30.1	28.9	2.4	6°8-	3.2	1 . 6
Africa	4.0	3 • 3	3 ° 3	3.6	0.3	8.7	-1.4	2.4
Far East	11.2	14.2	14.2	15.0	0.6	4.9	3.2	3.1
Latin America	7.4	10.5	11.3	0° 6	7.8	-19.9	4.9	-0.6
Near East	0.7	1.0	1.0	1.1	2.8	8.0	6.2	5.1
Other developing market economies	0.3	0.4	0.2	0.2	-50.2	8.1	0.2	-16.8
ACPE	5°9	6.6	7.2	7.6	9 ° 3	5.7	2.2	6.1
All developing countries	29.4	36.0	37.2	36.5	3.6	-2.0	3•0	2.5
Developed market economies	26.0	28.0	28.0	28.8	-0.2	2.9	1.1	1.5
North America	3 . 8	5.2	5.4	5•5	4 . 0	1.7	4.5	3.0
Oceania	0.2	0.3	0.3	0•3	12.0	8.4	5.9	8 . 9
Western Europe	11.3	11.3	10.9	11.1	-3.7	2.3	-0.5	-0.4
Other	10.7	11.3	11.4	11.9	1.0	3.9	1.2	2.6
Eastern Europe and USSR	10.6	10.8	11.2	11.2	4.1	-0-5	1	2.3
All developed countries	36.6	38.8	39.2	40.0	1.0	1.9	0.8	1.8
World	66 D	74.8	76 F	76.5	2,3	1	1.8	2.1

CATCH OF FISH, CRUSTACEANS AND MOLLUSCS, INCLUDING ALL AQUATIC ORGANISMS EXCEPT WHALES AND SEAWEEDS, COUNTRY GROUPS AND WORLD, 1974, 1981-83 TABLE 1-23.

Source: FAO, Fisheries Department.

The increased catches of developed countries were largely due to the partial recovery of Norwegian and Icelandic stocks and to higher landings by the United States, Japan and Poland. On the other hand, such important fish-producing countries as Canada, Denmark, the United Kingdom, Spain and the USSR experienced lower landings in 1983.

Data for 1984 are still incomplete, but there is some evidence of a moderate increase in total catch. Landings at Japan's 51 major fishing ports, which account for about 55% of the country's total production, registered an increase of 7% in the first nine months of 1984, as compared to the corresponding period of 1983, due mainly to record sardine landings. However, much of the higher Latin American catch of small pelagics and the Japanese catch of sardines are being used for fishmeal production. In the food fish sector, increased supplies of herring (in Western Europe), Alaska pollack and shrimp were reported in 1984.

International trade in fish and fishery products in 1983-84. The new regime of the ocean is stimulating changes in the pattern of trade in fish and fishery products. In terms of access to raw materials, both developed and developing countries have lost freedom of access to grounds where they previously fished or now pay licensing or other fees. Obstacles, both tariff and non-tariff, still remain however, which prevent developing countries from reaping fuller benefits from international trade in fish products.

The total volume of fishery products entering international trade in 1983 stayed at the same level as in 1982, but its total value increased due to recovery in prices of many products as compared to 1982, when average prices were particularly low. Seven of the ten leading fish exporters are developed countries (Canada, the United States, Denmark, Japan, the Netherlands, Norway and Iceland) and three are developing countries (the Republic of Korea, Thailand and Mexico). Significant increases in food fish exports were reported in the United States (especially salmon), Norway (groundfish and shrimp) and Thailand (canned fish, particularly tuna). The major exporting nations reporting a significant fall in food fish exports were Japan (especially frozen and canned mackerel) and Mexico (tuna).

The global quantity of imports of fish did not change in 1983. However, there were changes in both directions, the most noticeable being a drop in fishmeal imports by developed and developing countries alike. Total value of world imports increased as a result of higher prices of some food fish products and fishmeal. Japan, the largest importer of fish products in the world, increased its share of world imports (13% in quantity and 24% in value) for the fourth consecutive year. Nearly half of the additional quantity of imports consisted of fishmeal. U.S. imports increased by 6% in quantity and 20% in value. However, EEC countries showed a decrease in imports by 7% in quantity and 5% in value.

Import data for developing countries indicate an overall marked fall of 15% in the quantity of fishery product imports, most notably of fishmeal. Developing countries as a group accounted for 23% of world imports of fishery products in quantity and 14% in value. On the basis of available data, imports of food fish fell for the second consecutive year by 5% in quantity, the African countries appearing to be especially affected.

The data available on international trade in fish and fish products indicate that in 1984 the volume of fish trade probably remained at the level of 1983, with a slight rise in value. Imports of low-value frozen and canned mackerel and canned sardines into developing countries continued their downward trend, while the United States imported greater quantities of high-value fish such as canned tuna and shrimp, partly due to the strength of the U.S. dollar. In the case of Japan, the major fish importer, 1984 imports of shrimp probably reached a new high level. Developing countries appear to have continued to increase their share of world fish exports in 1984, possibly reaching 45% in import value terms, mainly because of increased exports of canned tuna and shrimp.

<u>FAO World Conference on Fisheries Management and Development</u>. This conference, held at FAO Headquarters from 27 June to 6 July 1984, was a unique and historic occasion in the evolution of the world's fisheries. It was unique in size and level of representation, being attended by 147 national delegations, many of them led by ministers, and representatives of over 60 international intergovernmental and non-governmental organizations. It was historic in scope and outcome, being the first time that nearly all nations of the world, large and small, came together to reach agreement on comprehensive action to confront the practical implications of the new ocean regime and to use fully the potential of fisheries as a vital source of food, employment and income.

The conference endorsed a comprehensive Strategy for Fisheries Management and Development, comprising guidelines and principles for consideration by governments and organizations when planning and implementing fisheries management and development. The strategy covers eight major elements: the contribution of fisheries to national economic, social and nutritional goals; improved national self-reliance in fisheries; the rational management and optimum use of fish resources; the special role and needs of small-scale fisheries; international trade in fish and fish products; investment in fisheries; economic and technical cooperation; and international collaboration in fisheries.

In order to assist developing countries in the implementation of this strategy, the conference also approved an integrated package of five action programmes, involving the estimated expenditures of \$15 million over a five-year period and urged bilateral and international donor agencies to provide the necessary support:

(1) Fishery planning, management and development. The purpose of this programme is to provide countries with access to fisheries management and development skills through FAO technical advisory services and longterm training to strengthen national capabilities. Advisory services will include short-term, multidisciplinary missions to assist countries in the formulation of their national fishery policies, plans and projects. Assistance will cover such varied areas as identifying investment projects, harmonizing fisheries legislation, establishing control procedures for fishing operations within Exclusive Economic Zones (EEZs), and assessing the distribution and migration of shared stocks.

(2) <u>Small-scale fisheries</u>. This programme is designed to assist small-scale fishermen raise their standard of living through the integrated development of fishing communities, investment and credit support, improved training and extension services. The role of women in small-scale fish production, processing, marketing and family maintenance will be given special attention.

(3) Aquaculture. Aquaculture is a potentially excellent source of food supply, especially in poor, rural areas. The goal of this action programme is to give emphasis to the development of small-scale aquaculture as a source of protein supply, alternative employment, especially for women, and increased income. FAO's worldwide network of regional aquaculture development and research centres will be expanded and strengthened.

(4) International trade. To assist developing countries to benefit further from trade in fish and fishery products, specific efforts will be made to identify marketing opportunities, upgrade product quality and conclude more favourable trade agreements. This action programme will be based on the positive experiences of FAO's existing Market Information Service for Fishery Products in Latin America (INFOPESCA) and the Asia-Pacific regions (INFOFISH). Similar information services are being established for African and Arab countries together with a computer-based world fish market indicator service. Studies will be made of the means of improving the structure of world fish trade and of the possibilities of creating a multilateral framework for consultations on international trade in fishery products.

(5) Fish as food. This programme aims at increasing food fish supplies to the poorest and weakest, through measures to improve utilization, handling and processing, to reduce post-harvest losses, to strengthen research into low-cost products and to include nutritional goals into national fishery policies.

The conference recognized the key, catalytic role of FAO in worldwide fisheries development and endorsed the delivery of subregional, regional and interregional development programmes through the network of technical support units associated with FAO regional bodies.

In addition to resolutions endorsing the strategy and approving the programmes of action, the conference adopted a resolution regarding the follow-up actions required to implement the strategy and action programmes. Six other resolutions dealing with various aspects of fisheries management and development were also adopted by the conference. These resolutions called for the greater use of fish and fish products in food aid programmes; for greater priority to fishery investment projects; requested intensifeid action to protect fish resources against pollution; proposed the proclamation of an International Year of the Fisherman; recommended increased support for the development of fisheries in land-locked countries; and called for the further promotion of technical/economic cooperation among developing countries (TCDC/ECDC) in fisheries.

Forestry

Roles of the forest. The forests of the world provide a renewable source of materials, energy and services for nations and communities, contributing to their social and economic well-being and forming a vital component of their environment.

Forests make up 4 100 million ha, or 30% of the world's land area. They are distributed between the temperate zone, with 2 050 million ha, of which about 1 650 million ha are closed forests; the tropical zone, which has some 1 200 million ha of closed forests and 550 million ha of open woodland; and the arid zone, which contains some 300 million ha of forests, mainly open woodland. There are, in addition, about 1 000 million ha of land classified under other uses than forest with some shrubs or woody vegetation.

Some ll million ha of forests are lost each year as they are cleared for agriculture, destroyed or degraded by shifting cultivation, fuelwood gathering, overgrazing and burning. Total tree planting of 1 million ha a year in tropical countries makes up for only one-tenth of the area of forests annually cleared and destroyed. The uncontrolled destruction of forest in the humid tropics and arid zones is of major concern both for the future supply of forest products in these regions and for the maintenance of the forests' conservation functions. Solving this problem involves a complex series of issues, including improved technical understanding and the resolution of conflicting pressures for the use of land.

The annual production of roundwood from forests is around 3 000 million m³. Nearly one-fifth of this quantity provides raw material for mechanically processed wood products as materials for housing, construction, furniture, packaging and communication, or for paper. About 80% of the 1 300 m³ produced in developed countries is used for such industrial At its Eighty-Sixth Session in November 1984, the FAO Council formally declared the year 1985 to be FAO's International Year of the Forest. The event will coincide with the United Nations' International Youth Year and FAO's 40th Anniversary (1945-1985). The annual World Food Day celebration will also emphasize the central role of the forest as a global concern as well as forestry's role in food security. One of the highlights of activities in 1985 will be the Ninth World Forestry Congress, to be held in Mexico City 1-12 July 1985, where the International Year is a central item on the agenda.

The main impetus for the designation of 1985 as the International Year of the Forest was the growing realization of the negative impact of deforestation that, in recent years, has been increasing at an alarming rate. According to FAO estimates, over 11 million ha of tropical forests are disappearing each year. Large expanses of forest in northern Europe and North America are being threatened by acid rain and by other forms of atmospheric pollution. Forest fires are causing extensive damage in the Mediterranean region. Deforestation in arid zones has hastened the advance of desertification.

In its declaration, the FAO Council expressed deep concern "at the lack of political awareness of the social, economic and environmental consequences of continued excessive deforestation and of neglect of the world's forest resources." One of the major goals, the Council said, was to ensure "that every possible measure should be taken urgently in every country to accelerate the process of heightening political awareness of the critical importance for the future of mankind of adequate attention being given to the world's tropical forests."

FAO will concentrate its efforts during 1985 on encouraging activities at the local, national, regional and international levels designed to raise such political awareness. A wide range of informational material is being prepared, including a poster, a fact sheet, news features, a leaflet, an information packet, a press kit, radio spots and various display material.

purposes. However, the same proportion of the wood cut in developing countries is used as fuel (1 377 million m³ in 1983), with Africa depending for more than one-half of its total energy supply on fuelwood. Other forest products include fruits, gums, resins, fodder and the meat of wild animals.

The number of people with direct dependence on forest products may be illustrated by means of the estimate of 2 000 million rural people who depend on wood supplies for their domestic energy and the more than 200 million people living in the forests themselves. Protecting soil from erosion and enhancing water catchments are functions of forests important to agriculture and communities.

The problem of the status of forest ownership in many countries is a major issue threatening the ability of the forestry sector to continue to perform its multiple roles. With the growth of population, forests are often regarded as a form of common property. In many cases, the forest has degenerated into a degraded common, with everyone removing what they can, but no one being in a position to care for its future production. Such a problem can only be solved by a major reassessment involving both the local community and government agencies. This is because some functions of the forest, such as watershed protection and wildlife preservation, and hence, investment in reforestation, may not be in the obvious short-term interest of an individual. <u>Fuelwood and energy</u>. Despite the massive increase in petroleum-based fuel prices during the 1970s, total consumption of energy in developing countries nearly doubled to 60 000 million gigajoules by 1980, an annual rate of increase of nearly 6%. <u>21</u>/ Although the use of fuelwood in developing countries also expanded, its contribution to total energy declined, particularly in Asia. Africa remains the region depending most heavily on fuelwood for its energy supply, but even in this region, the contribution of fuelwood declined from two-thirds in 1980 to little more than one-half in 1980-82 (Table 1-24).

Rapidly rising prices for and consumption of energy by developing countries had major financial implications. In 1970, it is estimated that energy only absorbed about 2.5% of private consumption expenditure (PCE) of developing countries. By the late 1970s, however, this share had risen to 18%, with fuelwood accounting for between 4% and 5% of PCE. In Africa, the share of expenditure on fuelwood alone accounted for 10% of PCE, and for the LDCs of Africa, this share was double that or 20%.

However, fuelwood did serve to mitigate the rising cost burden of imported fuel. Developing country imports of fuel rose by 50% between 1970 and 1982. They represented 20% of these countries' total imports by the end of this period compared with only 6% at the beginning. This share rose the least in Africa where fuelwood makes the greatest contribution to energy.

In Latin America the costs of fuel imports rose during 1970-82 from less than 10% of total imports to over 35%. With the rising costs of oilbased energy, a new emphasis on traditional fuels has emerged at a time when their availability was reduced by widespread forest destruction and degradation. For the rural community this has represented both a challenge and an opportunity. Increased demand for fuelwood-based energy has enhanced the economics of growing wood for fuel. For example, the demand for fuelwood in Ougadougou, the capital of Burkina Faso, has provided an additional source of income to small-scale farmers in nearby accessible areas. However, the adequate management of this source of income calls for the allocation of increasing resources for investment in planting and conservation to ensure future supplies. The current level of investment is still low in comparison with that needed to sustain the supply potential of forests.

<u>Trends in output, 1974 to 1983</u>. The output of forest products increased rather slowly during the decade under review, most of the increase coming from increased production by developing countries and mostly for fuelwood (Table 1-25). The post-1979 recession in developed countries resulted in a sharp decline in housing construction and consequently a contraction in the demand for processed wood products and hence their production. Production of mechanically processed wood products was the most adversely affected by the recession, and their production by developed countries decreased from the late 1970s. However, output of pulp and paper products continued to grow slowly.

In developing countries, progress in economic development led to greater growth in the use of wood-based panels, sawnwood and paper. The demand for lumber and panels was stimulated in particular by urgent housing and other construction programmes created by the rapid growth of urban centres.

The early 1970s was a period when production of roundwood for export by developing countries expanded rapidly--the all time high of 50 million m was reached in 1973. Levels at the beginning of the 1980s were 30% lower. This was a consequence of the policies of several developing countries to replace exports of unprocessed raw material with those of processed products, although the recession in the international timber market

		1970			1975			1982	
	Energy consump- tion index	Energy/ total imports	Fuelwood/ total energy	Energy consump- tion index	Energy/ total imports	Fuelwood/ total energy	Energy consump- tion index	Energy/ total imports	Fuelwood/ total energy
		• • • • • •	0/0		•••••••••••••••••••••••••••••••••••••••	0,0			
Africa	100	3.0	67.0	126	6.5	61.5	177	9 . 3	53.0
Asia and Far East	100	5.3	24.0	141	11.7	19.0	191	19.6	16.0
Latin America	100	9.7	21.0	133	24.4	18.0	180	53.3	16.0
Total developing countries	s 100	6.3	28.0	135	14.3	24.0	185	21.4	20.0
Source: FAO, Forestry Department.	bartment.								

- 71 -

PERCENTAGE SHARE OF ENERGY IMPORTS TO TOTAL IMPORTS, BY VALUE AND FUELWOOD CONSUMPTION TO TOTAL ENERGY CONSUMPTION AND INDEX OF ENERGY CONSUMPTION IN DEVELOPING COUNTRIES, 1970, 1975 AND 1982

TABLE 1-24.

19	1974, 1981-83							
	1974	1981	1982	1983	Change 1981 to 1982	1ge 1982 to 1983	Annual rate 1974 to 1983	e of change 1979 to 1983
	0 6 0 0	million m ³	on m ³	• • •	• • • •	• • • • • • • • • • • • • • • • • • • •		
ROUNDWOOD	2 660	2 963	2 966	3 042	0.1	2.6	1.7	0.8
Total developing countries Total developed countries	1 381 1 280	1 631 1 332	1 662 1 304	1 686 1 356	1.9 -2.1	1.4 4.0	2.3 1.0	1.6 -0.1
Fuelwood and charcoal Total developing countries Total developed countries	1 308 1 139 169	1 573 1 321 252	1 606 1 351 255	1 633 1 377 256	2.1 2.3 1.3	1.7 0.9	2.7 2.1 6.1	2.6 5.1 5.1
<u>Industrial roundwood</u> <u>Total developing countries</u> Total developed countries	1 352 242 1 111	1 390 310 1 080	1 360 311 1049	1 409 309 1 101	-2.1 0.4 -2.9	0.0 0.0	0.6 3.1 -	-1.0 -0.5 -1.2
PROCESSED WOOD PRODUCTS								
Sawnwood and sleepers Total developing countries Total developed countries	425 61 364	423 90 332	413 91 322	451 93 359	-2.3 0.6 -3.1	9.2 2.0 11.3	0.3 4.9 -0.7	-0.7 2.1 -1.4
Wood-based panels Total developing countries Total developed countries	88 80 80	101 15 86	95 15 80	104 16 87	-5.5 5.1 -7.3	9.1 6.2 .7	1.6 7.6 0.7	-1.0 5.6 -2.0
	0 9 0 0	. million	on tons					
Pulp for paper Total developing countries Total developed countries	123 8 115	133 13 119	127 14 113	135 14 120	-4.0 3.8 -4.8	5.8 3.6 6.1	1.7 7.4 1.1	0.2 4.2 -0.3
Paper and paperboard Total developing countries Total developed countries	151 12 138	170 20 151	166 20 147	175 21 154	-2.3 1.7 -2.9	4.9 3.5 5.1	2.5 6.8 2.1	0.4 2.6 0.1

TABLE 1-25. OUTPUT OF MAIN FOREST PRODUCTS, TOTAL DEVELOPING AND DEVELOPED COUNTRIES

Source: FAO, Forestry Department.

- 72 -

was a contributory factor. A number of developing countries experienced sharp declines in their exports of forest products, especially in the period 1980-82.

<u>Production in 1983</u>. World production of all forest products was stimulated in 1983 by the economic recovery of developed countries, especially in the United States, which resulted in an increased demand for processed wood products. World production of sawnwood was 451 million m³ in 1983, recovering the previous peak of 1979 after some years of depressed outputs. This was mainly due to an increase of 11% in sawnwood production by developed countries, while developing countries recorded a level of output of this commodity only 2% higher. Wood-based panels also recorded higher production levels in 1983 reaching, with 104 million m³, the peak level also last achieved in 1979. This was mainly due to the major recoveries in production in the United States and Canada.

Fuelwood still accounts for more than half the world production of roundwood, about 83% of which is produced and consumed in developing countries. However, fuelwood production of developing countries increased in 1983 by less than 2% and so less than their population growth rates. Production of industrial roundwood in 1983 also was only slightly higher than production in 1982, but the production level of 1 409 million m³ is still far below the peak levels reached in 1979 and 1980. Pulpwood production increased significantly in 1983, because of high levels of activity in the pulp and paper industry, particularly in North America and Europe.

<u>Trade in forest products in 1983</u>. International trade in forest products, after years of depression, improved in 1983 as a consequence of the more positive economic situation in developed countries (Table 1-26). The volume of trade for the major commodities increased by amounts of between 3% and 14%. The value of trade in dollar terms, however, remained stable at the 1982 level, mainly due to the strong U.S. dollar.

Processed wood products increased their share of total trade of forest products, rising from around 50% in the mid-1970s to 65% in 1983. This was largely the consequence of policies of some developing countries, traditionally exporters of tropical logs, so as to encourage domestic production of processed wood products. In fact, developing countries decreased the volume of their exports of industrial roundwood by more than 3% in 1983 while their exports of sawnwood and wood-based panels increased by 8.5% and 14.5%, respectively. Indonesia illustrates this trend very dramatically. In 1983 Indonesian exports of sawlogs and veneer logs were only 3 million m as compared to a peak of 19 million m in 1978. On the other hand, its exports of plywood reached some 1.7 million m in 1983, as compared with only 70 thousand m in 1978.

Future trends. Policy discussion in the 7th Session of the Committee on Forestry (COFO), held in Rome from 7 to 11 May 1984, concentrated on the subject, "Forestry Beyond 2000 - Potentials, Problems and Prospects," with special emphasis on forest policies for the temperate, tropical and arid regions and at the global level. COFO defined the main problems affecting forestry as being degradation and depletion of forests in the humid tropics, fires and desertification in the Savanna and arid zones, and acid rains and other atmospheric pollution in the temperate zones. The committee stressed the critical importance of the maintenance of the world's forests. It also underlined the need for giving priority to investment in the forestry sector to ensure the sector's contribution to environmental protection and the production of essential goods and services.

The pressures of population and urbanization and a limited land resource present an immense challenge to the forestry sector. Confronting these pressures requires the commitment of people and governments. Meeting the increasing need for products of the forest and securing its ecological functions in conserving soil and water also requires the training of people, the development of skills and the evolution of an appropriate institutional environment, as well as commensurate levels of investment.

COUNTRY COUNTRY	COUNTRIES, 1974, 1981-83	4, 1981-8	83					
					Change	əbu	Annual rat	Annual rate of change
	1974	1981	1982	1983	<u>1981 to</u> 1982	1982 to 1983	<u>1974</u> to 1983	1979 to 1983
		. million m ³	т т			90		6 6 6 6 7 8
Industrial roundwood	108.4 43 5	99°7 32	97.8 33.2	100.5 32.1	-1.9 3.1	2.7	-0.8 -3.5	-4.8 -9.0
All developed countries	64.9	67.5	64.7	68.4	-4.2	5.8	0.7	-2.2
Sawnwood and sleepers	61.9	72.7	73.3	83.6	0.8	14.1	3.5	8°0 -
All developing countries All developed countries	7.4 54.4	9.2 63.5	9.2 64.1	10.0 73.6	- 0 - 0	8.5 16.0	3•5 3	-0.1
Conce boood book	0 6 6	16.7	15 2	16.4	8 8 1	7.3	2.8	-1.1
All developing countries	3.7	5.4	5.2	5.9		14.5	4.4	4.3
All developed countries	9.2	11.3	10.1	10.4	-10.6	3.7	2.0	-3•5
	•	mill	million tons	• • •				·
Pulp	19.4	20.4	18.7	21.0	-8.1	12.5	2.3	-0-7
All developing countries All developed countries	0.6 18.8	1.7 18.7	1.6 17.1	1.8 19.2	-5.0 -8.4	13.2 12.4	1.5 1.5	-1- 0.01
Paper and paperboard	30.1	35.4	33.7	36.5	-4.9	8.4	4.0	1.5
Developing countries	0.5	1.1	0.9	1.1	-16.9	21.3	11.6	10.9
Developed countries	29.6	34.3	32.8	35.4	-4.5	8.0	3 ° 8	l.2

TABLE 1-26. VOLUME OF EXPORTS OF MAIN FOREST PRODUCTS, TOTAL DEVELOPING AND DEVELOPED

Source: FAO, Forestry Department.

	FOOD SECURITY	Interim System of Food Re- serves generally supported by the Committee on World Food Security (CFS).	Food Aid Convention is re- newed. CFS revises food security concept. Con- siderable increases in food and pledges to dis- aster-striken African coun- tries. FAO/World Food Pro- gramme (WFP) task force established to monitor food situation in African coun- tries.	FAO Council established Re- gional Commission on Food Security for Asia and the Pacific. (Cont.)
INSTITUTIONAL DEVELOPMENTS	TRADE & DEVELOPMENT	Third Lomé Convention ne- gotiated between EEC and 64 ACP states.	UNCTAD VI; Addressed the problems of protectionism and structural adjustment in world trade.	Versailles Summit aims at monetary stability. GATT sets up Committee on Trade in Agriculture.
	NATURAL & HUMAN RESOURCES	FAO World Conference on Fisheries Manage- ment and Development. UN World Population Conference (Mexico City).	First review of Pro- gramme of Action of World Conference on Agrarian Reform and Rural Development (WCARRD). FAO Expert Consultation on Women In Food Production.	Concluding Session of UN Conference on the Law of the Sea.
	ECONOMIC AND MARKET EVENTS	4 Economic recovery gathers pace but uneven and uncertain. Inflation rates stabilize but interest rates remain high. Debt problems remain acute. More optimistic outlook on world food production. Worse- ning food situation in eastern Africa and Sahel. Major Food crisis in Ethiopia.	3 Slow economic recovery in terms of output and trade. Inflation falls to below 5% in industrial countries but quickens to 44% in non-oil developing. Sharp de- cline in agricultural output in developed countries. Cereal imports decline, stocks increase to 19% of consumption and cereal prices ease. Indebtedness problem of non-oil developing countries at its worse (debt-to-export ratio 150%). Widespread drought causes large number of food emergency situations in southern and western Africa.	2 Economic recession at its deepest (zero growth in industrial output and reduction in volume of trade). Continued easing in inflation, including developing countries. Growth in agricultural output reduced (2.6%) but above long-term average. Cereal imports of developing countries stagnate, cereal prices and stocks recover (18% of consumption). Indebtedness of developing countries sharply worsens.
		1984	1983	1982

FOOD SECURITY	I MF's Compensatory Financ- ing Facility for cereal im- ports begins operation; CFS adopts agenda for consultations and possi- ble action to deal with acute and large scale food shortages.	OAU's Special Economic Sum- mit adopts Lagos Plan of Action. Food Aid Convention is enlarged.	Five-Point Plan of Action of CFS; breakdown of nego- tiations on international grain agreement.		International Fund for Agricultural Development (IFAD) is established.
TRADE & DEVELOPMENT	UN Conference on LDCs adopts a substantial new Programme of Action for 1980s. Cancun Conference devises base for future UN multilateral trade negotiations.	Interntional Development Strategy (IDS) for 3rd UN Development Decade.	UNCTAD V: Structural ad- justments related to trade and protectionism discus- sed. Comprehensive new Pro- gramme of Action for LDCs set up. GATT Tokyo Round ends. Lomé II signed by EEC and 58 ACP states.	African Regional Food Plan presented to the 10th FAO Regional Conference for Africa.	Brandt Commission Report on North-South relations.
NATURAL & HUMAN RESOURCES	UN Conference on New 1 and Renewable Sources 1 of Energy.	World conservation strategy is launched. I UN World Water Decade initiated. World Conference on the UN Decade for Women.	World Conference on Agrarian Reform and Rural Development.		UN Conference on De- sertification.
ECONOMIC AND MARKET EVENTS	Recession begins to affect developing country output. Inflation eases in de- veloped (10%), but not in developing coun- tries. Agricultural output recovers (3.8%) particularly in developed coun- tries. Further but less marked increases in in cereal trade and prices. Cereal stocks i decline further to 16% of consumption.	Pace of industrial output and volume of merchandise trade slows significantly but inflation rises. The onset of world econo- mic recession. No increase in agricultural output (a decline of 1.6% in developed countries). Sharp increase in cereal trade and prices. Decline in cereal stocks.	Pace of industrial output slows but in- flation quickens (9% in industrial coun- tries). Increase in agricultural output sharply reduced to less than 1%. Cereal trade continues to expand but cereal stocks rise to 19% of consumption. Cereal prices rise and sharp increase in price of petroleum (second oil shock).	Moderate increases in industrial output and volume of merchandise trade. Rate of inflation falls (7.2% in industrial coun- tries). Agricultural growth sharply in- creases and stocks fall sharply. Cereal prices begin to rise. Developing country indebtedness in relation to exports reach- es 1970s' peak.	Expansion of industrial output and trade decelerates. Growth rate in agricultural production doubles (2.8%), cereal trade stagnates and stocks rise to 18% of con- sumption. Cereal prices fall. Overall inflation rates remain high (8.4% in industrial countries).
	1981	1980	1979	1978	1977

INSTITUTIONAL DEVELOPMENTS (Cont.)

FOOD SECURITY	African ministers of agri- culture produce "Free- town Declaration" toward a regional food plan. First Session of the CFS. En- largement of WFP's Com- mittee on Food Aid Policies and Programmes (CFA).	International Emergency Food Reserve (IEFR) is established. Establish- ment of World Food Council. FAO Conference and Council set up CFS.	World Food Conference emphasizes food security and resolves to set up a Global Information and Early Warning System for Food and Agriculture (GIEWS).	
TRADE & DEVELOPMENT	UNTAD IV sets up the Inte- A grated Programme for Com- c modities. UNCTAD es- t tablishes a committee on r Economic Cooperation Among S Developing countries 1 (ECDC). m	First Lomé Convention be- tween EEC and ACP states. F Paris Conference on Inter- national Economic Coopera- mition. Lagos Treaty estab- lishes the Economic Com- munity of West African States (ECOWAS).	UN General Assembly calls W for a New Internatiional e Economic Order. G F F	UNCTAD III discusses trade liberalization.
NATURAL & HUMAN RFSOURCES		World Conference for the International Women's Year.	Second Session of the 3rd UN Conference on the Law of the Sea. UN World Population Conference adopts a World Population Plan of Action (Bucharest).	UN Environmental Pro- gramme (UNEP) created.
ECONOMIC AND MARKET EVENTS	6 Sharp increases in industrial ouput and volume of merchandise trade (5% and 10%-11%, respectively). Growth in agricul- ture output only 1.4%. Cereal trade in- creases and stocks remain at 14% of con- sumption. Inflation eases (8% in deve- oped countries).	5 Recession deepens and industrial output declines (by about 0.5%). Agricultural output recovers (2.8%) growth, especially in developing countries. Cereal trade stagnates (but cereal stocks decline again) and commodity prices ease. Infla- tion eases but still high (11% in indus- trial countries). Sharp rise in external debt of non oil-exporting developing countries.	4 Sharp slowdown in increase in industrial output. Agricultural output expands by only 1.8%. Recession begins and infla- tion accelerates to 13% in industrial countries. Commodity prices reach peak levels. Petroleum prices quadruple. Cereal stocks recover a little (15% of consumption).	3 Industrial output continues to expand. World agricultural production falls (-0.3%) but trade increases by nearly 16%. Beginning of world food crisis. Disap- pearance of major fish stocks off Peru. Commodity prices begin to increase.
	1976	1975	1974	1973

INSTITUTIONAL DEVELOPMENTS (Cont.)

CHAPTER 2 URBANIZATION: A GROWING CHALLENGE TO AGRICULTURE AND FOOD SYSTEMS IN DEVELOPING COUNTRIES

1. INTRODUCTION

The growth of urban areas has traditionally been associated with socio-economic development. An increasingly progressive agriculture has also historically accompanied the growth of cities. The link between urban growth and a more productive agricultural sector was necessary for the transfer of food, labour and capital to the growing cities, which in turn, supplied agriculture with industrially based inputs and a growing market for agricultural products.

Sustained urban growth then required a sophisticated system of commercial agricultural markets that enabled agricultural production to satisfy consumer needs. However, the links among cultural transformation, economic prosperity, the growth of metropolitan areas and agricultural modernization appear to have been weakened in many developing countries as evidenced by growing slums, rising unemployment and low growth rates in agricultural output.

Rapid population growth combined with slower urban-based industrial growth has made the urban areas of some countries repositories of a people unable to provide themselves with the minimum means for a decent existence, which includes access to food. The problems in the cities of some developing countries often merely reflect even worse conditions in the countryside. Food and agricultural output has stagnated or declined in some cases and burgeoning urban populations are becoming increasingly dependent on imported food contributing to worsening balance of payments and debt problems.

The purpose of this chapter is to examine the problems and opportunities created by urbanization in developing countries as they relate to the production and consumption of food, its marketing and distribution. The second section of the chapter shows how urban and rural populations are expected to grow and examines some of the causes of this growth. The third and fourth sections examine the consequences of urban growth for agricultural production and nutrition, while the fifth section analyses its implications for food marketing. Examples mainly from developing regions are given. The sixth and final section presents suggestions for pacing the rate of urbanization to achieve harmony with broader development objectives and examines approaches that have been used by various countries to alleviate the problems for agriculture created by rapid urbanization.

2. POPULATION, URBANIZATION AND MIGRATION TRENDS, 1980-2000

Developing countries constituted 75% of the world population in 1980, and they are projected to be the source of <u>all</u> net additions to the world rural population and 84% of the net additions to the world urban population between 1980 and 2000 (Table 2-1).1/ During this period, it is

Urban and rural definitions vary for each region and country. These definitions have been published in UN, Estimates and Projections of Urban, Rural and City Populations, 1950-2025: The 1980 Assessment, New York, 1982, pp. 15-27. The projections selected are the medium variant and are regularly revised.

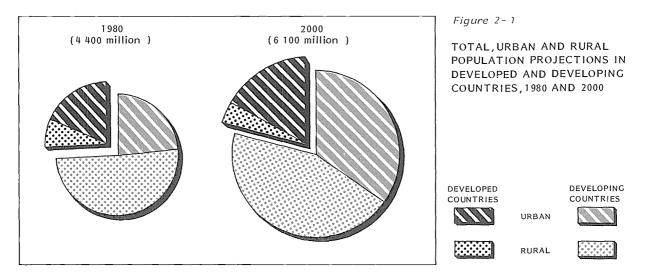
TABLE 2-1. PROJECTED NET ADDITIONS AND PERCENTAGE OF CHANGE IN TOTAL, URBAN AND RURAL POPULATIONS, BY REGION, 1980-2000

Region a/	Net Total	additi Urban	ons Rural	<u>Perce</u> Total		f change Rural	
	n	illions	• • • •	• • • • •	••• 0 •	• • • • • • •	
World Developed countries Developing countries Africa East Asia South Asia Latin America	1 687 141 1 546 383 286 671 202	1 310 205 1 105 226 262 422 191	377 -64 441 157 24 249 11	38.1 12.5 46.8 81.5 27.0 47.8 55.6	71.9 25.4 108.8 166.7 75.5 121.4 80.2	14.5 -19.6 19.3 46.9 3.0 23.6 9.1	

a/ Note that the regional groups shown conform to the UN definitions on which the projections are based.

Source: UN 1982a.

likely that nearly 500 million migrants will move from rural to urban areas in developing countries, helping to raise the percentage of the urban population from 31% to 44% of the total. Thus, two-thirds (1 105 million) of the net additions to the population of developing countries will reside in urban areas by 2000 (Table 2-1). Most will be without land to grow their own food. The remaining net additions to population in developing countries (441 million) will inhabit rural areas. Two out of three urban residents of the world and nine out of ten rural residents will be in the developing countries by 2000 (Figure 2-1).



Source: UN, Estimates and Projections of Urban, Rural and City Population, 1950 - 2025: The 1980 Assessment, New York, 1982.

The projected rate of urban growth in developing countries is particularly striking because there is no historical precedent for the sheer number of people being added to the urban sectors in these countries (Table 2-2). Yet high population growth rates in developing countries also mean that rural populations will increase further. It is projected that by 2000 over 2 700 million people in developing countries will be living in rural areas.

Region	Total	1980 Urban	Rural	Total	2000 Urban	Rural
		• • • • • • • •	milli	on	* * * * * * * *	• • • •
Africa	470	136	334	853	362	491
East Asia	1 058	294	765	1 346	557	789
South Asia	1 404	348	1 056	2 075	770	1 305
Latin America	364	238	126	566	428	138
Developing regions	3 296	1 016	2 281	4 840	2 117	2723

TABLE 2-2. TOTAL, URBAN AND RURAL POPULATION PROJECTIONS, BY DEVELOPING REGION, 1980-2000

Source: UN 1982a.

The Primate City Phenomenon

Not only will the world become increasingly urbanized, but United Nations' projections show that by 2000 a large part of the population of developing countries will be concentrated in major urban centres of growth called 'primate cities'.2/ By 1980 at least one in five of the population in Argentina, Iraq, Peru, Chile, Egypt, the Republic of Korea, Mexico and Venezuela lived in a primate city. Cities such as Lima, Bangkok, Baghdad and Buenos Aires already account for over 40% of the total urban population of their respective countries. Furthermore, it is projected that 21 of 25 of the world's largest cities will be in the developing countries by 2000, compared with 13 of 25 in 1970 (Table 2-3).

BOX 2-1. THE PRIMATE CITY: MEXICO CITY

The primate city phenomenon is most obvious in Latin America. Mexico City is an outstanding current example. Mexico City's population grew from one million in 1930 to three million in 1950, nine million in 1970, 15 million in 1980 and is projected to be over 25 million by 2000. During the 1960-70 decade alone nearly 1.8 million rural migrants settled in Mexico City, representing 48% of the growth for that period, while the natural population increase accounted for 46% and physical incorporation 6%. In 1977, it was estimated that over 50% of the population over 20 years of age in Mexico City were migrants.

Mexico City's credentials as a primate city are borne out by the

following facts: it has 21% of the total Mexican population, 46% of the GDP, 53% of manufacturing labour, 42% of higher education institutions, 52% of the theatres, 76% of the radio stations and all five television stations. Much of this imbalance has been caused by favouring urban-based industrial development over rural development through credit and price policies and investment in infrastructure. Consequently, the inhabitants of the densely populated rural regions that surround the federal district and who are largely subsistence farmers view Mexico City as a place of opportunity for economic, cultural and educational advancement (Reig 1984).

^{2/} Primate cities are not necessarily the largest in terms of population. For example, other considerations are economic, political, cultural and infrastructure development.

	Metropolitan area	1970	1980	2000	Annual rate of change 1970-80
		•••• r	nillions	5	<u>Ş</u>
1.	Mexico City	9.2	15.0	26.3	4.9
2.	São Paulo	7.2	9.2	24.0	4.4
3.	Tokyo/Yokohama	14.9	17.0	17.1	1.3
4.	Calcutta	7.1	9.5	16.6	3.0
5.	Bombay	5.9	8.5	16.0	3.6
6.	New York	16.3	15.6	15.5	-0.4
7.	Seoul	5.4	8.5	13.5	4.5
8.	Shanghai	11.4	11.8	13.5	0.3
9.	Delhi	3.6	5.9	13.3	4.9
10.	Rio de Janeiro	7.2	9.2	13.3	2.5
11.	Buenos Aires	8.5	10.1	13.2	1.6
12.	Cairo	5.4	7.3	13.2	3.0
13.	Jakarta	4.5	6.7	12.8	4.0
14.	Baghdad	2.5	5.7	12.8	8.6
15.	Teheran	3.3	5.6	12.7	5.4
16.	Karachi	3.1	5.2	12.2	5.1
17.	Istanbul	2.8	5.3	11.9	6.6
18.	Los Angeles/		~ -		
	Long Beach	8.4	9.5	11.3	1.2
19.	Dacca	1.5	3.4	11.2	8.5
20.	Manila	3.6	6.0	11.1	5.0
21.	Beijing	8.3	9.1	10.8	1.0
22.	Moscow	7.1	8.2	10.1	1.4
23.	Bangkok	3.3	4.6	9.5 9.2	3.5 1.1
24. 25.	Tianjin Lima (Callas	6.4 2.9	7.7	9.2 9.1	4.5
25.	Lima/Callao London	10.6	4.6	9.1 9.1	-0.5
20.	London Paris	8.3	10.0 8.8	9.1	0.5
28.	Kinshasa	1.4	3.2	8.9	8.6
29.	Rhein-Ruhr	9.3	9.3	8.6	-
30.	Lagos	1.4	2.8	8.3	7.2
31.	Madras	3.1	4.4	8.2	3.6
32.	Bangalore	1.7	3.0	8.0	3.4
33.	Osaka/Kobe	7.6	8.0	7.7	0.5
34.	Milan	5.6	6.6	7.5	1.8
35.	Chicago	6.8	6.8	7.2	0.1
36.	Taipei	1.7	3.0	6.6	3.4
37.	Hong Kong	3.5	4.6	6.4	2.5
38.	Leningrad	4.0	4.7	6.0	1.7
39.	Madrid	3.3	4.6	5.9	3.2
40.	Philadelphia	4.0	4.1	4.5	0.2

TABLE 2-3. PROJECTED POPULATIONS OF THE 40 LARGEST METROPOLITAN AREAS BY 2000 AND THEIR 1970-80 GROWTH RATES

Source: UN 1985.

While urban growth is a necessary component of economic development, the high concentration of population in a few major cities is considered undesirable by most developed countries because it has led to more pollution, slums, crime and higher per unit costs of providing services (Salas 1984). This is a widely held view although the proportion of the population and the degree of concentration that is urban differ widely among developing regions (Table 2-4). The growth of primate cities is also disturbing since administrative, service and political activities of a nation are centred in one localized area, often to the detriment of other areas. This has occurred in developed countries as well, which in some cases have introduced measures to promote decentralization and the devolution of political power to secondary regional centres.

TABLE 2-4.	PROJECTED POPULATIONS, PERCENTAGE OF TOTAL URBAN
	POPULATIONS AND NUMBER OF CITIES LARGER THAN FOUR
	MILLION, BY 2000

Region		1980			2000	
	Popula- tion (millions)	% of urban	No. of cities	Popula- tion (millions)	% of urban	No. of cities
World	305	16.7	38	681	21.7	79
Developed countries Developing	130	16.1	15	167	16.5	20
countries	175	17.2	23	514	24.2	59
Africa	7	5.4	1	74	20.4	12
East Asia	75	19.5	7	154	23.0	14
South Asia	66	19.1	11	199	25.8	23
Latin America	56	23.5	6	123	28.6	12

Source: UN 1982a.

The cost per unit of providing services in primate or other large cities are frequently higher than in much smaller cities. For example, the per caput expenditure for public services in Bogota, the capital of Colombia, with a population of about 3 million in the mid-1970s, was nearly seven times as great as the average per caput public expenditure of four other urban areas in that country with populations of between 50 000 and 90 000 (Linn 1983).

While these apparent diseconomies of size may seem to weigh the argument heavily in favour of slowing the pace of urban concentration, other points must also be considered. For instance, higher per unit costs may reflect better quality service that urban residents are willing to pay for in higher taxes. Furthermore, the amount of industrialization is much greater in urban than in rural areas.

For example, Rio de Janeiro and São Paulo accounted for over 50% of Brazil's total industrial production in the 1970s (Wadehn 1981). Hence, the provision of services such as water, sewerage and electricity often must be much higher in urban areas. But some public investments in urban areas benefit the rest of the country. Examples are ports, transport terminals, warehousing and government offices, which indicate the additional costs incurred in urban areas versus rural areas, but which benefit both. However, large cities often capture a disproportionate share of national expenditure for nutritional intervention, housing and other services.

The United Nations also projects that by the year 2000 there will be 59 cities with populations greater than four million in developing countries. By then, these 59 cities will account for nearly one-quarter of the entire urban population of the developing world (Table 2-4) and for 31% of its total urban growth. The 236 smaller cities projected to have populations between one million and four million are expected to account for `only slightly over 20% of the urban population growth of developing countries.

Composition of Urban Population Growth

There appears to be an evolution in the composition of the growth of urban population as economic development proceeds. At low levels of economic development and urbanization, most urban growth results from ruralurban migration, while during the transition stage from a rural-based to an urban-based economy, when urban growth is the most rapid, natural increases add more to urban population than migration (UN 1984). The latter phenomenon is not due to higher birth rates, but to lower mortality rates (see Box 2-3) more infants and mothers survive childbirth and more children survive early childhood. Better medical services in urban areas underlie these trends and constitute one of the attractions of metropolitan areas. At high levels of economic development, urban birth rates drop to such a low level that urban growth again results more from rural-urban migration.

For most developing countries, migration accounts for 40%-50% of the population growth of metropolitan areas, although this figure may be higher or lower in some regions. The migrant contribution to urban growth is greater than would appear from the numbers of migrants alone, since most of them are in the critical childbearing age group (migrants account for 60% of the growth rate of the 15-29 year-old urban age group). Thus, migrants tend to have a higher birth rate than urban residents. However, the results of studies comparing the fertility rates of native urban residents and rural immigrants are inconclusive when the data are adjusted for other factors such as age, income and education (UN 1982b).

Children born of migrant parents generally account for around 5% of net additions to the urban population. There are also some rural areas in countries that have been reclassified as urban because of population growth. Therefore, migrants, children born of migrants, and reclassifications, are considered to account for about half of the net additions to the urban population in developing countries.

Rural-Urban Migration

The rural-urban migrant normally reaps private benefits from migrating, while urbanization creates opportunities to modernize the agricultural sector that would not otherwise exist. Consequently, rural-urban migration can raise rural incomes if the means to increase agricultural productivity exist. In turn, higher rural incomes create markets for urban-based industrial goods. In this way, urbanization is both an inevitable and desirable component of modernizing a primarily agricultural-based rural society.

However, it is the relatively young and educated people who migrate from rural to urban areas. The rural exodus thus tends to result in rural areas having a less educated population and relatively fewer people of working age. For example, in Indonesia the 1971 census showed that illiteracy was much lower for both male and female migrants than for rural nonmigrants. A similar pattern was shown by the 1970 Population and Housing Census of the Republic of Korea and has been generally shown for all countries surveyed (UN/ESCAP 1980).

Projections by the United Nations reveal the consequence of selective migration. Since it is the relatively young (15-35 year-old) age group that is most likely to migrate, rural population projections in all regions of the world continue to be proportionally higher for the very young and elderly age groups compared to urban areas. However, the difference between the age structure of rural and urban populations is narrowing largely because birth rates are slowing down in most regions and because the proportion of women of childbearing age in urban areas is growing. Rural-urban migration takes place because of:3/

Expectations of benefiting from employment opportunities of the urban sector and the widening gap between rural and urban incomes;

Modernization of agriculture with labour-replacing methods;

Land scarcity from either a lack of cultivable land in relation to a growing population or the maldistribution of land;

Failure to improve rural living conditions as fast as in cities;

- Natural or man-made disasters that drive people to urban centres in search of food and security where they remain even after rural conditions improve; and
 - Location of institutions of higher education largely in major cities.

The most frequently discussed issue is the rural-urban income gap that stimulates rural out-migration. A study of migration in various countries estimated the elasticity of migration with respect to urban wage rates to be very high at between 1.5 and 2.9. That is, for every 10% rise in urban wages relative to rural wages, the rate of migration to urban areas increased by 15% to nearly 30%.

Not all migration from rural to urban areas is permanent, nor is it confined within a country's borders. There are major movements of people that are temporary, such as those made by seasonal migrant workers. In some places there are rural-rural movements of tenants and landless workers to replace smallholders who have gone to the cities. There are also urbanrural movements in developed as well as in developing countries, such as by urban workers who take up part-time farming, retired people going into farming activities, and government-sponsored resettlement programmes to relieve urban pressures.

International migratory movements are also important and have increased since the early 1970s, particularly because of job opportunities in developed countries and, more recently, in oil-exporting and other developing countries that have been experiencing rapid economic growth. Remittances from these migrants are an important source of foreign exchange for several developing countries such as Egypt, Mexico, Turkey and Pakistan. <u>4</u>/

Urbanization Profile by Developing Region 5/

The very large differences among regions with respect to their degree of urbanization will have decreased by 2000. Nevertheless, the differences will remain large as Latin America is already close to urbanization levels of developed countries (Table 2-5). There are likely to continue to be regional differences in other facets of urbanization and rural-urban migration.

- 3/ There is a very large body of literature on the factors (sometimes known as 'push-pull' factors) determining migration, which are only briefly summarized here.
- 4/ For a recent discussion of the financial impact of these remittances, see UN, "The Impact of Workers' Remittances on the Balance of Payments," <u>Supplement to World Economic Survey 1983</u>, New York, 1983, pp. 31-40.
- 5/ See Annex 2-1 for list of countries.

Latin America. In 1980, two of every three people in Latin America were urban dwellers. By 2000, that figure is projected to reach and even exceed the level of some developed countries, when three out of four Latin Americans will live in urban areas. Even with the continuing high growth rate of cities, the rural population is expected to increase in Latin America. The overall population growth rate is expected to remain above 2% annually through 2000. However, because of the already relatively low percentage of rural residents in the total population and a relatively high rate of rural-urban migration, total net additions to the rural population are projected to increase by only 11 million during the 1980-2000 period.

Latin America's transformation to a mainly urbanized society was established earlier than in either Asia or Africa. Consequently, the primate city phenomenon is relatively more advanced and is projected to remain so. For example, by 2000 the projected population of Mexico City (26.3 million) will account for 30% of the total urban population of Mexico, and São Paulo (24 million) and Rio de Janeiro (13.3 million) together will account for one-fourth of the total urban population of Brazil. The next two largest cities in Latin America will be Buenos Aires (13.2 million) and Lima (9.1 million), which will account for 45% and 38% of the total urban population of Argentina and Peru, respectively, by 2000. Projections indicate that 12 cities in Latin America will have populations of over 4 million by 2000.

Region	1960	1980	2000	
		••••	• • • • • • • •	
World	33.9	41.1	51.2	
Developed countries	60.2	71.3	79.4	
Developing countries	22.0	30.8	43.8	
Africa	18.4	28.9	42.4	
East Asia	19.3	27.8	41.4	
South Asia	18.4	24.8	37.1	
Latin America	49.1	65.4	75.7	

TABLE 2-5.	PERCENTAGE OF POPULATION LIVING IN URBAN AREAS, BY	ζ
	REGION, 1960-2000	

Source: UN 1982a.

Over one-half to two-thirds of recent Latin American urban growth has been attributed to internal migration. For example, rural-urban migration accounted for 70% of urban growth in Mexico from 1940 to 1970. Numerous studies from the region show that the prime motive for migrating is the search for more productive employment.

In Latin America more women migrate than men. Most studies have shown that the male-female migratory ratio is around 0.7 or 0.8:1. The younger and more skilled or educated are more inclined to migrate than the older and less skilled or educated.

Africa. The annual population growth rate of Africa is projected to be about 3% from 1980 to 2000, which would result in an 82% increase in the total population during the period and increases of 167% and 47% in the urban and rural populations, respectively.

Africa's rapid population growth over the last three decades is the result of improved medical care and public health facilities, which increased live births and reduced death rates. For example, the rates of the natural population increase for Tanzania have been 2%, 2.7%, and 3% for the 1948-57, 1957-67, and 1967-78 periods, respectively.

During the last decade, permanent rural-urban migration has become prevalent in Africa. While this movement could have been considered a normal step in the traditional rural-urban-rural migration cycle of Africa, the majority of the rural-urban migrants are now making permanent moves.

In sub-Saharan Africa, migration is dominated by single, young, relatively well-educated males. For example, the male-female ratio for city migrants in Kinshasa was 1.72:1. Generally, migration is to obtain employment, a higher income, and to meet the desire for those amenities, services and facilities that exist in urban areas.

BOX 2-2. URBANIZATION IN EAST AFRICA

The accelerating rate of urbanization and urban population growth in Africa can be appreciated by the rapid growth of established cities and the formation of new cities in Tanzania. For example, Dar-es-Salaam grew from 5 000 people in 1886 to 18 000 in 1900 and to 24 000 in 1931. By 1948 the population was still only around 70 000 but increased to 130 000 in 1957, 273 000 in 1967, and 852 000 in 1978. Since 1967, Dodoma grew particularly fast because of the decision to make it the capital of Tanzania.

POPULATION OF SELECTED URBAN CENTRES IN MAINLAND TANZANIA, 1948-19	POPULATION	OF	SELECTED	URBAN	CENTRES	IN	MAINLAND	TANZANIA,	1948-197	8
--	------------	----	----------	-------	---------	----	----------	-----------	----------	---

Town				Cer	isus yea	ar			
		L948		1957	-	967	-	L978	
	-							_	
	•	••••	• • • • •	• • • • •	. 000 .	• • • •	• • • • • •	••••	
Arusha	5	320	10	038	32	452	86	845	
Bukoba	3	247	5	297	8	141	77	022	
Dar-es-Salaam	69	227	128	742	272	821	851	522	
Dodoma	9	414	13	435	23	559	158	577	
Iringa	5	702	9	587	21	746	57	182	
Kigoma-Ujiji		-	16	587	21	746	57	182	
Mbeya	3	179	6	932	12	479	78	111	
Morogoro	8	173	14	507	25	479	74	114	
Moshi	8	048	13	726	26	864	52	223	
Mtwara-Mikindani		s a series de la companya de la comp	10	459	20	413	48	510	
Mwanza	11	296	19	877	34	861	169	660	
Shinyanga a/				-		-	68	746	
Singida a/		·				_	55	892	
Songea a7		-		· -			49	303	
Sumbawanga a/		-				. –		802	
Tanga	22	317	38	053	61	058		878	
Total urban population	170	230	317	521	610	801	2 226	855	
% of country's population		2.3		3.6		5.1		13.0	
Total population (millions	5); ²¹ ¹ ¹ ¹	7.4		8.7		12.0		17.0	

a/ These towns were demarcated as urban districts, in the period after the 1967 census.

Source: Bureau of Statistics, Dar-es-Salaam.

Much of this growth--as much as two-thirds--was because of migration, predominantly from rural areas. Urban population growth has also been spectacular in Kenya. Nairobi has increased ninefold in 40 years to approximately one million inhabitants today.

- 87 -

Rwanda and Benin appear to be exceptions to rapid urban growth and rural-urban migration phenomena. However, even in these countries, a large contingent of young men originally from rural areas are to be found in the cities searching for jobs and education.

In North Africa there is much international migration in addition to rural-urban migration. Egypt has an official policy to aid emigration in order to ease population pressures on its land and urban areas.

By the year 2000, 12 African cities are projected to have populations greater than four million compared with only one city of that size in 1980. These 12 cities will account for one-fifth of the entire urban population of Africa. The three largest cities in Africa by 2000 are projected to be Cairo (13.2 million) with 36% of Egypt's urban population; Kinshasa (8.9 million) with 32% of Zaire's urban population; and Lagos (8.3 million), with 17% of Nigeria's urban population.

East Asia. This region is dominated by China and the Republic of Korea that account for over 97% of its total population. East Asia is projected to have the lowest growth rate of both urban and rural populations than any other region in the developing world. This is largely owing to the relatively low birth rate in China. Nevertheless, because of its large population base, East Asia will have added 283 million people to its urban population between 1980 and 2000, nearly 12 times the number of net additions to its rural population. Indeed, the region is projected to begin losing its rural population by 1990.6/ All countries in the region, except Mongolia and the Democratic Republic of Korea, will show declines in their rural population by 2000.

The number of East Asian cities with populations greater than four million are projected to double from seven to 14 by the year 2000. By 2000 some of the world's largest cities will be in the Republic of Korea (Seoul, 13.5 million) and in China (Shanghai, 13.5 million and Beijing, 10.8 million). The migration from rural to urban areas is unpredictable in this region largely because demographic movement in China is highly sensitive to government programmes.

South Asia. South Asia is the developing world's most populous area, as it includes such countries as India, Pakistan, Bangladesh, Indonesia, the Philippines, Thailand, Burma, Viet Nam and Iran. Nearly 40% of the projected net additions to the world population between 1980 and 2000 will occur in this region. Therefore, this region is projected to make the greatest number of net additions to both the urban and rural populations of all regions, although its urban and rural growth rates are far below Africa's and the overall growth rate of its population is less than Latin America's.

The percentage of the total population living in urban areas is also the lowest of any developing region. In 1980, only one out of four people lived in urban areas, but it is projected that by 2000 the figure will reach 37%. This region is projected to account for 57% of the total net additions to the rural population of developing countries.

Projections indicate that 13 metropolitan areas in this region will have populations greater than eight million by 2000 and the region will have as many as 23 cities with populations of over four million. The five

^{6/} This situation may become apparent even earlier if China's recently announced policy to abandon rural communes and establish townships is successfully implemented.

largest cities in India--Calcutta (16.6 million), Bombay (16.0 million), Delhi (13.3 million), Madras (8.2 million) and Bangalore (8.0 million)-will account for only 19% of India's urban population by 2000, a significantly lower proportion than in Latin America or Africa. However, city size may well be a problem for those Indian states in which the largest cities are located. For example, the next largest city in the state of West Bengal, where Calcutta is located, has fewer than 250 000 residents.

The remaining eight largest cities in this region will account for from 22%-53% of the total urban population of their respective countries by 2000, indicating the existence of the primate city phenomenon. These cities are: Jakarta (12.8 million), Indonesia; Baghdad (12.8 million), Iraq; Teheran (12.7 million), Iran; Karachi (12.2 million), Pakistan; Istanbul (11.9 million), Turkey; Dacca (11.2 million), Bangladesh; Manila (11.1 million), the Philippines; and Bangkok (9.5 million), Thailand.

The Urban Policy Dilemma

The concentration of economic activity and administrative services in the primate city and other major urban areas, encourages migration that may also contribute to the deterioration of urban living standards as well as create food supply and distribution problems. The extension of services to squatters and migrants tends to further increase the attracting power of the primate city and other metropolitan areas. Yet not providing new residents with services creates unsanitary living conditions and political problems. Providing services requires increased government expenditure for a population that is economically unable to contribute taxes proportional to its demand for such services. As more services are extended in the largest cities, the cost per unit will eventually rise.

On the other hand, through rural-urban migration, the city also benefits from investments in human capital made by other regions. Migrants represent educational and medical investments made by other, mostly rural, communities, the benefits of which accrue to the recipient city. Given the age group of the migrants, they also represent a cheap source of labour because they are usually entering the labour force for the first time and cannot negotiate advantageous wage rates.

A major problem for city planners and policymakers in the developing world is the unpredictability of rural-urban migration flows, unlike the more predictable natural increases in the population of urban areas. The rate of rural-urban migration is much more difficult to predict since it is higly dependent on economic and social phenomena such as rural-urban income differentials, employment rates and the availability and quality of services. Hence, successful urban planning requires the capacity to anticipate future population increases due to changes in the factors determining rural-urban migration.

Many developing and developed countries have demonstrated an urban bias through various policies that reflect the demands of political pressure exerted by the urban population. One of the most outstanding general examples of urban bias is a food policy that keeps producer prices low in order to keep urban food costs down. When food is directly subsidized, the tax revenue in most cases will have to be raised by levying taxes on agriculture, the dominant sector. Alternatively, government procurement of food at low prices is, in effect, a tax on agriculture. However financed, a cheap food policy is likely to provoke more migration. F u r thermore, once implemented a cheap food policy is difficult to retract, as recent events in Morocco and Tunisia have shown.

There are various reasons why an urban bias will be accentuated in the future. Migrants in developing countries will tend to intensify the pressure for a cheap food policy, as they generally have lower incomes than established urban residents and are not able to grow their own food. Studies have shown that migrants are conscious and rational participants in the political process when in the city and once they have a voice, will exert pressure for their own benefit.

Since the political process is already more sensitive to urban political organizations than to a dispersed rural population mainly comprised of subsistence farmers, it would seem inevitable that an urban bias, if not already expressed, will find greater cause to intensify. However, the experience of developed countries demonstrates that the shift from subsistence to commercial agriculture accelerates the political power of farmers.

Parallel with greater political power in urban areas is the likelihood that urban tastes will change food production and import patterns. Changes in food demand patterns generally start in urban areas where incomes are relatively high. In the past, this has resulted in rising food imports and increasing pressure on the foreign exchange balance when the domestic agricultural and marketing systems have failed to satisfy consumer demands.

Migration, Economic Development and Rural-Urban Links

Economic development may be distinguished according to the contributions to employment of the principal economic sectors: agriculture, manufacturing and services. These shifts are also characterized by concurrent developments in population movement, food demand, marketing and nutrition (Figure 2-2).

At a low level of economic development, agriculture predominates as the major employer of labour. The process of economic growth entails a massive transfer of labour from the agricultural to the manufacturing sector that is usually located in or near major metropolitan areas. High levels of economic development are associated with the rising importance of the service sector as an employer relative to manufacturing and an absolute decline in the number of agricultural workers. Most developed countries have followed this employment pattern.

Many developing countries appear to be moving directly from the first to the third level without creating a solid industrial base and, with rapid population growth, the number of agricultural workers continues to grow (Salas 84). In this situation, the additions to urban population are faced with relatively fewer jobs in the industrial sector, with consequent high numbers of unemployed and underemployed in the cities and in the countryside.

ITION WITH ECONOMIC DEVELOPMENT	Level of Development III	Majority urban with rural-urban migration continuing and expansion of metropolitan areas into rural zones. Low birth and low mortality rates resulting in low population growth.	Large commercial farms dominate production. Specialization of production with livestock pro- duction still increasing but slowly. Farmers become sophis- ticated business managers.	Vertical integration dominates marketing methods and whole- salers start disappearing. Con- tract farming and supermarkets become common. Marketing bill takes about 2/3 of consumer expenditure for food.	Nutritional requirements fulfilled in both rural and urban areas. Protein nutritional requirements available. Income elasticity of demand for food low. Food expenditures take a relatively small share of disposable income.
EVOLUTION OF POPULATION, FOOD PRODUCTION, MARKETING AND NUTRITION WITH ECONOMIC DEVELOPMENT	Level of Development II	Transition from rural to urban population. Heavy rural-urban migration. High birth rates, declining mortality rates. Growth of large cities.	Introduction of modern inputs, mechanization, high yields and surplus sold in the market. Appearance of dual economy with commercial agriculture the lead- ing economic force. Landless labourers become more numerous. Cooperative ventures among small farms. More livestock production.	More food shipped to urban areas. More middlemen appear as more food is stored, transported and pro- cessed. Wholesalers a key link in food marketing chain. Vertical integration beginning to appear.	More people depend on market for food. More animal protein consumed. Food shortages caused by weather and bad policies. Urban bias and lower demand change food tastes and production patterns. Imports increase.
FIGURE 2-2. EVOLUTION OF POPULATION,	Level of Development I	Majority rural. High birth and mortality rates. Hence slow popu- lation growth. Rural-urban mi- gration small in number and low in rate.	Subsistence farming main produc- tive activity. Low-level techno- logy, low yields. Modern sector exports. Little rural-urban trade.	Few goods traded with few middlemen active. Farmers sell directly to consumers.	People grow own food and hunger mostly caused by natural factors. Animal protein consumption rela- tively low. Elasticity of demand for food high and food expendi- tures take majority of income.
μ,		Demographic Factors	Production Factors	Marketing Factors	Nutrition and Food Demand

- 91 -

BOX 2-3. RURAL AND URBAN FERTILITY AND MORTALITY DIFFERENTIALS

Fertility levels in rural areas are higher than urban areas except for a few countries, mostly in Africa. This fact holds even when fertility levels are standardized by education and age for rural and urban areas. Generally there is also a lower fertility rate for

the major urban area of a country relative to other urban areas of a country. However, mortality rates are higher in rural areas so that the population growth rates of urban and rural areas are approximately equal when adjusted for age, income and education.

Country	Total Ferti	lity rates	Rural-urban ratio		
	Rural	Urban			
Bangladesh	6.2	6.1	1.02		
Colombia	6.6	3.5	1.89		
Costa Rica	4.7	2.9	1.62		
Dominican Republic	7.1	4.1	1.73		
Egypt	6.4	4.8	1.33		
India	4.6	3.1	1.48		
Indonesia	4.8	4.6	1.04		
Jordan	9.0	7.1	1.27		
Korea, Republic of	5.1	3.7	1.38		
Malawi	6.6	6.4	1.03		
Mexico	7.3	4.8	1.52		
Nepal	6.2	6.1	1.02		
Pakistan	6.4	6.2	1.03		
Panama	5.7	3.3	1.73		
Philippines	6.0	3.9	1.54		
Sri Lanka	3.8	3.2	1.19		
Thailand	4.9	2.9	1.69		

RURAL-URBAN TOTAL FERTILITY RATES AND RATIOS

Sources: Rodriguez, German and John Cleland 1980; and Visaria 1981.

The difference is not difficult to comprehend. The basic causes for the difference between rural and urban fertility rates during these last two decades are income, educational opportunities and access to birth control technology. Family planning programmes are more cost-efficient in urban areas because the population is more concentrated and methods are more easily made available. Studies have shown that the use of contraceptives is consistently much higher in urban than in rural areas (UN 1984).

In rural areas children are seen as an addition to family

labour and can relieve mothers of burdensome household duties. Children are also considered as a form of social security for parents in their old age. It has been suggested that raising the status of women in rural areas would thus affect their attitude toward limiting family size.

The higher infant mortality rate in rural areas also affects fertility. If a mother is sure of her children's survival, she is likely to have fewer children. Hence, improved medical care is likely to reduce fertility rates in rural areas in the long run.

3. EFFECTS OF URBANIZATION ON AGRICULTURAL PRODUCTION SYSTEMS

Urban growth influences agricultural production in the following principal ways:

- It accentuates the need to increase food production per agricultural worker because it increases the proportion of the population not producing its own food;
- It affects the composition of the agricultural and rural labour force because of the migration associated with urbanization;
- It causes the emergence of urban diets, and hence the changing pattern of food demand, which require similar adjustments in food production patterns; and
- It entails a conflict between urban and agricultural demands on natural resources--arable land, water and forests.

These issues have an important bearing on how much food must be produced per farmer, what food is to be produced, how it will be produced, by whom and where.

Unfortunately, as little research has focused on rural areas after migration, not much is really known about the impact of urban growth and rural out-migration on agricultural production and rural development.

The net economic effect of out-migration on the household, village, country or region can be positive or negative depending on migration patterns and many economic factors. There is a clear need for more research, particularly in Africa, on the relationship between a stagnating food and agricultural sector and high rates of migration.

Urban Growth, Food Demand and Agricultural Productivity

Rapid rates of urbanization can lead to dramatic shifts in the relative numbers of urban and rural residents. Most of the rural population of working age are food producers, but almost all of the urban residents will be consumers not producing their own food. Quite small changes or differences in growth rates in urban and rural populations are associated with large changes in the composition of the rural labour force, and hence, also in urban and rural dependency ratios (see Box 2-4).

From 1960 to 1980 there was almost a 1:1 ratio of net additions to urban and rural populations in developing countries. Projections for the period 1980-2000, however, indicate a ratio of urban-rural net additions of 2.5:1. The dimensions of the regional changes lying behind these average figures are striking (Table 2-6).

TABLE	2-6.	URBAN-RURAL RATIO OF NET ADDITIONS TO POPULATION	
		IN DEVELOPING COUNTRIES AND PERCENTAGE OF CHANGE IN	[
		RATIO	

Region	1960-80	<u>1980-2000</u> Ratio	<u>1960-80 to 1980-2000</u>
Africa	0.8	1.4	85
East Asia	0.7	4.1	483
South Asia	0.6	1.7	198
Latin America	8.3	17.3	109
Developing countries	0.9	2.5	190

Sources: FAO, Policy Analysis Division and UN 1982a.

These projected increases amount to approximately a doubling of the ratio in Africa and Latin America, but nearly a sixfold increase in East Asia.

Of course, these estimates understate the degree of urban-rural food dependency because proportionaly more of the rural population is younger or older than the urban population and is generally not employed in agriculture, while others are employed outside agriculture in rural areas. Adjusting the 1980-2000 figures to take account of age factors only (including the 15-59 age group) increases the urban-rural ratio of net additions mostly for Africa and South Asia, to 3.1:1. and 2.1:1, respectively, followed by East Asia with 4.7:1. The ratio for Latin America remains virtually unchanged at 17.4:1. Thus, rapid population growth--and hence an increasingly young population, particularly in Africa--and rural-urban migration cause radical changes in the numbers of urban food consumers per agricultural worker.

BOX 2-4. THE EFFECTS OF MIGRATION ON THE COMPOSITION OF THE LABOUR FORCE

Rural out-migration can have a profound effect on the age and sex composition of both rural and urban populations. The recent history of migration in different regions reflects significant differences in these compositions, as shown by the male-female ratios for urban and rural areas in selected age groups and regions in 1980.

Region		5-9	Age group 20-24	in years 30-34	40-44
	• • •	No. of	males per	100 fema	les
Developed countries	- Urban	104.8	102.1	100.9	98.0
	Rural	105.3	109.1	102.7	97.6
Developing countries	- Urban	103.3	115.3	115.7	111.6
	Rural	104.5	97.2	99.7	100.4
Africa	- Urban	98.4	119.2	122.4	118.2
	Rural	101.8	91.3	87.5	87.7
Latin America	- Urban	101.4	96.9	96.4	94.8
	Rural	104.0	112.7	109.4	110.2
East Asia	- Urban	104.0	116.1	115.7	112.5
	Rural	104.2	96.1	103.6	106.7
South Asia	- Urban	106.3	123.6	121.9	115.8
	Rural	105.7	98.1	99.5	100.2

Source: UN 1982b.

The youngest age group reflects the normal sex ratio--boys generally slightly outnumber girls. For the 20-24 age group, the net effect of migration in most developing regions shows up very strongly. Latin America is exceptional in that more young women than men migrate from rural areas. In some regions, the 30-34 age group shows the most dramatic difference in urban-rural sex ratios. For ex-

ample, in southern Africa these ratios were 128.7:100 and 65.3:100 (males-females) in urban and rural areas, respectively; a difference of almost 2:1. Eastern Africa showed similar ratios. For the older, 40-44 age group, the longevity of women, plus possibly lower migration rates of about 20 years earlier, are shown by the narrowing of these ratios.*

* For a discussion of these trends, see FAO, <u>The State of Food and Agri-</u> culture 1983, Chapter 2, "Women in Developing Agriculture," Rome, 1984. The dependency ratio, the number of very young and elderly directly supported by the population of working age, also varies widely among regions and between urban and rural areas. For example, the rural dependency ratio was five times greater in South Asia and Africa than in Latin America in 1980 where the dependency ratio is lower in the rural than in the urban areas.

Region	Urban	Rural	
	dependenc	cy ratio <u>a</u> /	
Developed countries	47.7	23.0	
Africa	76.6	199.6	
Latin America	71.8	43.2	
East Asia	53.8	116.4	
South Asia	70.0	211.4	
a/ Number of children a	aged 0-14 years	and elderly	persons aged
65 years and above	per 100 people	of working	age (15-64).

Source: UN 1982b.

A simple methodology was employed to arrive at a crude estimate of the production (measured in wheat equivalents) required to meet consumption needs of the net additions to urban areas in developing countries by 2000 (see Box 2-5). Production was then divided by the projected number of agricultural workers 7/ by the year 2000 to obtain a rough estimate of the additional food required from each worker to feed the additional urban population (Table 2-7).

TABLE	2-7.	ADDITIONAL	PR	ODUCTI	ON EXP	RESSED	IN	WHEA	T EQU	JIVALEN	ΤS,
		REQUIRED PI	ΞR	AGRICU	JLTURAL	WORKE	RIN	1 200	0 ТО	FEED	
		ADDITIONS 7	ΓO	URBAN	POPULA	TION,	1980) TO	2000		

Region	Additional production per agricultural worker in 2000	Additional production per agricultural worker in 200 as % of total production		
	kg	<u>ę</u>		
Africa	330	24		
Asia	244	16		
Latin America	1 268	17		
Total	340	17		

Source: FAO, Policy Analysis Division.

^{7/} Agricultural workers per region in 2000 were calculated by taking the regional percentage of agricultural workers over total population in 2000 as given in the FAO study, <u>Agriculture: Toward 2000</u>, and multiplying by the total population of the corresponding region as projected by the UN. This extra step was necessary since the study did not cover all countries in the regions.

Although Africa has the lowest urban-rural ratio of net additions to population, it is the region where the proportion of production per agricultural worker to feed urban growth from 1980-2000 will be the greatest. The required increase is about one-quarter. What this result reflects is both the low level of production per agricultural worker in Africa and the high rate of urban growth.

From these estimates it may be seen that productivity per agricultural producer in Africa will have to increase by over 1% annually to cover the food needs of the additions to urban population <u>alone</u>. From past experience, doubts must be raised on whether such an increase can be achieved. It is estimated that during the period 1971-80, agricultural output per agricultural worker in sub-Saharan Africa increased by only about 0.5% annually.

The challenge to food production posed by increased urbanization in Asia and Latin America appears to be far more manageable. Not only are the required productivity gains lower than in Africa (0.7% and 0.8% annually per agricultural worker for Asia and Latin America, respectively), but their performance during 1971-80 of about 2.5% a year for Asia and nearly 2% a year for Latin America shows that such gains are achievable.

BOX 2-5. METHODOLOGY USED TO ESTIMATE FOOD PRODUCTION AND CONSUMPTION IN 2000

A period of 20 years was examined (1980-2000) for the three major developing areas: Asia, Africa and Latin America.

Population estimates were based on UN projections (UN 1982a). Production and consumption estimates were based on FAO's <u>Agriculture: Toward 2000</u>.* It was assumed that China and other countries not included in the study had the same per caput production as the region in which they were located. The 'A' scenario of 3.8% annual production increases was used for Asia and Latin America, while the 'B' scenario of 3.2% was used for Africa.

It was also assumed that the urban population consumes 15% less food per caput than the rural population and that 45% of urban population growth was due to ruralurban migration.

Calories were converted to metric tons of wheat equivalents using a conversion factor of 100 grams = 334 calories.

* FAO, <u>Agriculture: Toward 2000</u>, Rome, 1981, revised estimates. Consumption of fish and some minor food products are not included.

Rural-Urban Migration and Production Performance

Although there is circumstantial evidence that high rates of ruralurban migration may be harming agricultural production performance in sub-Saharan Africa, it is impossible to prove the point conclusively from the limited and aggregated data available. Clearly more case study material needs to be collected and analysed.

A recent FAO study of sub-Saharan Africa shows that some of the countries with the highest rates of increase in their agricultural labour force in the 1970s, i.e., where net migration may have been low, were associated with relatively high rates of growth in agricultural production (FAO 1984). Examples are Niger and Rwanda. Conversely, the lowest production gains were associated with low rates of increase in the agricultural labour force, possibly because of rural-urban migration. Ghana, Mozambique, Gabon, Congo, Lesotho and Sierra Leone are examples. There were exceptions because the growth rate of the labour force is only one factor of agricultural performance. Indeed, it may be argued that the agricultural incentives or improved rural conditions that brought about relatively high growth rates in agricultural output also retarded migration.

Only a few of the microstudies that focused on whether production increased or decreased after rural out-migration found that there was any loss in production (Dasgupta 1984). The production declines were usually in African countries. In some cases the heavy out-migration of men created labour shortages in peak seasons for tasks traditionally done by men, such as land clearing. In other examples, plantations producing export crops were forced to cut back production because of seasonal labour shortages.

That rural-urban migration often does not decrease agricultural production has been traced to the following:

- Productivity may rise to replace workers lost through migration that may reduce underemployment, but may also mean that women, children and the elderly have to work more;
- Previously idle labour is employed or sufficiently high wages are offered to attract workers from other areas;
- Migrants may return to ease seasonal labour peaks;
- New cropping patterns are adjusted to overcome or accommodate labour constraints; and
- Agricultural production becomes mechanized (Dasgupta 1984).

Remittances from migrants may be used to allow agricultural production to be maintained; for example, to pay the wages of workers employed, to hire tractors or invest in livestock. However, most studies show that remittances are spent more on consumption goods, which may have the benefit of opening up the rural economy to industrial products, or on products that confer status. Remittances, nevertheless, are an important contribution to rural incomes and have been estimated to account for from 10% to 20% of total rural income in some countries (Gaude and Peck 1976).

Urbanization and the Changing Structure of Agriculture

Rural out-migration rarely causes agricultural production to decline. However, substantial modifications in production systems have to be introduced to sustain agricultural production and to accommodate the changing patterns of demand that urbanization involves. Important policy issues, therefore, are not whether food and agricultural production will decline, but whether it can increase fast enough, and what will be the implications for equity in rural areas.

United Nations' projections indicate that it is the 20-34 age group that will decline the most in rural areas from 1980 to 2000. For example, in eastern Africa the share of this age group in the rural population is projected to decline by almost 14% during the period. Those left behind may or may not have the special skills needed to adjust existing farming operations. Capital may become scarcer if the person who migrates fails to obtain work quickly or if local credit sources are not willing to make production loans to family members who have stayed on the farm.

The change in cropping patterns may be the most radical change to the agricultural system, particularly in farming areas adjacent to rapidly growing urban areas. The result may be toward more specialization in fruits, vegetables, feed crops, and livestock production. This process

BOX 2-6. MIGRATION AND URBAN GROWTH

What appear to be relatively minor differences between the growth rates in urban and rural populations, when combined with variations in the degree of urbanization, can produce major differences in the numbers of people being added to urban and rural areas. As examples of this process, three scenarios have been selected to show the impact of migration on the growth of urban populations:

Scenario A: The share of the urban population in the total population is 20% in the starting year (typical 'African' situation).

Scenario B: The share of the urban population in the total population is 40% in the starting year (typical 'East Asian' situation).

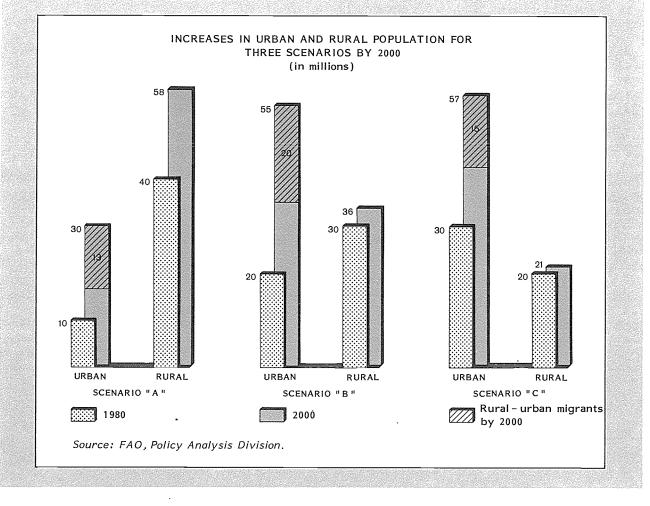
Scenario C: The share of the urban population in the total population is 60% in the starting year (typical 'Latin American' situation).

A procedure was developed to show the increase of urban and

rural populations by the year 2000 and the importance of migrants in the growth of urban population. The procedure uses a migration rate that increases slowly but steadily with higher shares of urban population, reaching a peak of 3% (of rural population) when the urbanization rate reaches 54% of the total population. Migration decreases when urbanization is 75% of the total.

For each scenario, different but realistic natural growth rates have been selected: for scenario A, natural growth rates prevailing in Africa; for scenario B, those of East Asia; and for scenario C, those of Latin America.

The figure shows the increases of urban and rural populations by the year 2000 and the share of the urban population from migration over 20 years. The model is worked on the basis of a total population of 50 million in the year 1980, but any other population size would show the same growth patterns.



usually leads to the wider use of improved technologies, and hence, a greater use of inputs, the monetization of small farms and modernization of the agricultural sector.

For example, the change in the composition of the value of agricultural production in the Republic of Korea from 1964 to 1979 (a period with a high rate of rural-urban migration) reflects the changing demand for food. Cereal production declined from 71% to 50%, while vegetable production increased from 7% to 22%; fruit production went from 2% to 4% and livestock production increased from 9% to 17%. The per caput consumption of livestock, fruit and vegetables all doubled between 1970 and 1981 (FAO 1983a).

One development, widespread in the past two decades in some countries and particularly in Latin America, was the replacement of crop farming by the raising of animals for meat production on an extensive scale. Such a farming system does not require intensive labour in planting and harvesting periods. In some cases, livestock production was combined with the mechanized production of feed grains, also to save labour. One example is Mexico where animal production and feed grain production outpaced the production of maize and beans (<u>frijoles</u>) for food consumption. The production of the latter two crops stagnated or declined from 1960 to 1980 while meat production increased by more than 6% a year and sorghum and soybean production grew by over 11% and 14% a year, respectively (Reig 1984).

In some cases such developments in production systems are in response to changing supplies of labour, that is, a response to rural out-migration. But in most cases, changing patterns in the demand for food may generate changes in production systems. While these changes provide the opportunity for growth in agriculture, the process of agricultural development frequently is associated with people being forced to leave the land or the rural economy entirely. Thus rural out-migration may be both the instigator and the consequence of the modernization of agriculture.

As urban markets grow, and the range of commodities expands, subsistence farmers with small plots are at a disadvantage because of their use of traditional practices, their lack of technical knowledge or access to inputs and credit. Some of these disadvantages may be offset somewhat by returning migrants who provide technical feedback and capital, but normally these benefits have been insufficient.

On the other hand, the transfer of labour from rural to urban areas should improve the overall income distribution in a country since former low-wage agricultural labour is usually paid more when employed in cities. In Brazil, for example, it was shown that rural-urban migration did in fact improve income distribution, partly because agricultural productivity increased. In the Republic of Korea and the Philippines, rural-urban migration helped improve income distribution between rural and urban areas, while rural inequalities increased partly because of remittances to rural areas sent by migrants (Gaude and Peck 1976).

Competition for Natural Resources

The impact of urbanization on agricultural production is not only felt through the changes it forces on production systems, but also through increased competition between rural and urban areas for land, water and wood.

According to one study, if present trends continue, 10 million ha of arable land will have been lost worldwide to urban encroachment from 1980 to 2000. Potential food supplies from this crop land could have fed 84 million people (Brown 1981). At the national level for example, the amount of land for urban use in Mexico is projected to increase by nearly one-half between 1980 and 2000, and by the latter year will equal 3% of the cultivated area. Mexico City alone took 53 000 ha of agricultural land from 1960 to 1980 (Reig 1984).

Even if such a loss may not be so significant on a world or even a national scale, it gains in importance for the farming areas close to the fastest growing cities. For example, in the Delhi area of India, it has been estimated that more than 14 000 ha of land ceased to be used for agriculture between 1941 and 1971 because of urban encroachment (FAO 1983a).

Another example is Egypt where urban growth, mostly of Cairo, absorbed nearly 500 000 ha from agriculture from 1960 to 1980 (Parker and Cole 1981). In fact, urbanization has already removed from agricultural use an area of land equivalent to that brought into agricultural use by the Aswan Dam project.

Great urban centres are often located in rich agricultural zones, partly because surplus agricultural production freed labour to pursue nonagricultural occupations. Agricultural land of high productivity has been taken out of production in order to accommodate the housing, industrial and service needs of greater urban populations. Land of relatively lower productive capacity may have to be brought in at a greater rate than land taken by urban areas to compensate for the loss. For example, it was estimated that for every hectare of land taken out of production in eastern Canada because of urban growth, 2.3 ha of land in western Canada would be required to replace agricultural output lost (Brown 1981).

BOX 2-7. URBANIZATION AND THE INCREASING SCARCITY OF FUELWOOD IN SOME DEVELOPING COUNTRIES

It is said that in some parts of the developing world the fuel needed to prepare food for a meal is as important as the food itself. The increasing scarcity and cost of fuelwood and the much higher cost of fossil fuels since the early 1970s goes some way to explain the increasing demand, particularly in urban areas, for convenience foods that need little preparation.

It has been estimated that in Ouagadougou, the capital of Burkina Faso, the annual consumption of raw fuelwood is 438 kg per inhabitant and 29 kg fuelwood-equivalent in the form of charcoal (little charcoal is in fact consumed). It was also estimated that the potential yield of intact natural stands in the area is about 500-700 kg/ha/ year. Putting these two estimates together it may be concluded that, for the population of Ouagadougou (260 000 in 1980), some 7 000 ha to 8 000 ha of intact forest would be need to clear-felled each year--the sustained yield from 200 000 ha to 300 000 ha of natural forest.

Higher yielding forest plantations would reduce this minimum area considerably to 30 000-40 000 ha, but the actual area of plantations around Ouagadougou was only one-sixth to one-seventh that size, and only 1 500 ha to 2 000 ha were about to come into production. Therefore, the fuel crisis in Ouagadougou can only worsen in the short run.

A similar situation is developing in and around Bamako, the capital of Mali in the same broad ecological zone. The per caput consumption figures are similar so that about 20 000 ha of intact forest would have to be cut to provide the fuel needs of Bamako district of between 500 000 and 600 000 people.

Most studies of domestic fuel needs assume the same per caput consumption in rural and urban areas. However, an FAO study found that in eastern Africa an additional 6% on average is required to cover urban service needs such as restaurants, small bakeries, blacksmiths, etc. (Kamweti 1984). Within this subregion, the range of this urban-service use varied from less than 1% of the total ir Somalia to 13% in Zambia. A conflict also exists over water supplies. For example in Mexico, total water use is projected to increase 137% between 1980 and 2000. While water use in agriculture is responsible for much of this increase, the share of urban and industrial use is projected to rise from less than 20% to over 30% of total use during the 20-year period (Government of Mexico 1974).

The possible urban-rural conflict over water supplies is even more complex than that for land, since environmental damage can be traced to both urbanization and agricultural production. Water is subject to pollution from industrial and urban wastes, thus rendering it unusable for agricultural purposes. Yet water pollution can also occur if intensified farming results in the contamination of water by agrochemicals and the wastes from intensive livestock production systems.

The location of farms near an urban area will also affect what is produced and how it is produced. On one hand, there is ready access to expanding markets for high value products such as livestock products and fruits and vegetables. Electricity, telephones, equipment repair facilities and other services are more likely to be available, as well as training facilities and off-farm work for family members. However, urban growth is likely to increase land and water costs for adjacent farms. Higher taxes, labour costs, limits on manure disposal and agrochemical use may also represent constraints to production expansion.

Urbanization also intensifies the demand for energy and this has adverse implications for agriculture. In many developing countries, the domestic component of this demand is derived primarily from wood, either raw fuelwood or charcoal. The composition of energy sources varies widely among countries. For example, in Zambia, 20% of the population uses raw fuelwood and 80% charcoal, while in adjacent Malawi these percentages are completely reversed (Kamweti 1984). The use of fossil-fuels such as oil and gas is usually limited to high-income groups because of their cost, and the capital investment in household equipment needed to use them.

The increasing demand for fuelwood rapidly leads to the deforestation of the land around towns and cities and an increasingly reduced access to fuelwood. For example, in Ouagadougou (Burkina Faso) it is reported that by 1980 the distance to be covered to find fuelwood was 70-100 km along the main roads. Off the main roads, some limited supplies are still available closer to Ouagadougou, but transportation is much more difficult (Chauvin 1981).

In urban areas, the cost of fuelwood and charcoal has increased dramatically in recent years, especially in areas of Africa away from the equatorial zones and in parts of Asia. In Ethiopia, for example, purchases of fuelwood and charcoal use about 20% of the average household income. Again, in Ouagadougou the retail price of fuelwood in 1980 was about CFAF 9-11.50/kg depending on how it was sold. This was a heavy burden on the budgets of urban families, although the sale of fuelwood and the production of charcoal were useful additions to farmers' incomes.

The widening areas of degraded forests close to urban centres show an increasing threat of soil erosion and an increased risk of desertification. Furthermore, as fuelwood becomes scarcer and its price rises, there will be more incentive to use crop residues and dried livestock manure as a source of energy rather than as a fertilizer and soil conditioner. Yet efforts to overcome the shortage of fuelwood by establishing plantations close to towns will compete with crop production for land. On the side of food demand, urbanization has the greatest consequence for agriculture because of the differences in the patterns of food consumption between urban and rural residents. These patterns will also influence peri-urban and nearby rural areas as well. Low-income urban residents and predominant among them, migrants, may not necessarily eat either adequately or well; and while malnutrition may be more widespread in rural areas, it is often more intense in low-income areas of cities.

Some ways of allowing low-income urban residents to improve their access to food may carry dangers to health. Urban backyard livestock and vegetable production may not comply with minimum sanitary requirements, while low-price providers of prepared foods, street-side food kiosks and vendors may consitute a public health threat.

Dietary Changes Associated with Urbanization

Urbanization is usually accompanied by changes in the kind of food consumed by those who have come from other places. Consumption surveys undertaken by FAO in Tunisia and Brazil illustrate this trend. The food staples (mainly hard wheat in Tunisia and maize and rice in Brazil) of the traditional rural diet become less important in the urbanized diet. They are replaced by other foods, particularly processed cereals such as bread and wheat flour, livestock products and vegetables (Table 2-8).

TABLE 2-8. CHANGES IN FOOD CONSUMPTION PATTERNS BETWEEN RURAL AREAS AND CITIES, TUNISIA AND BRAZIL

	<u> </u>			Southern Brazil (1974-75)			
	ural reas	Urban areas	Major cities	Rural areas	Urban areas	Major cities	
•	• • • • •	ca	lories/p	erson/d	ay	• • • • • • •	
Cereals 1 of which:	662	1 307	1 129	1 057	910	897	
Traditional staples l Bread and wheat flour	250 246	498 607	222 764	637 405	405 426	431 434	
Roots and tubers Vegetables	24 62	40 87	40	183 21	101 23	75	
Fruit	34	34	35	33	39	46	
Meat Fish	42 3	63 11	90 14	178 8	214 12	227 8	
Milk Oils and fats	68 400	50 447	108 431	139 252	120 307	152 328	
Share of basic foods in diet (% of calories)	69	62	57	60	53	51	

Source: Adapted from FAO 1983b.

The consumption of food that provide energy and protein from vegetable sources is at its maximum in rural areas. The consumption of these foods decreases as a consequence of urbanization. This is due to the consumption of less traditional basic foods and the substitution, in lesser quantities, of more processed cereals. On the other hand, food consumed as a consequence of urbanization appears to be richer in animal protein, fats, and vitamin A, owing to a greater consumption of livestock products. These dietary changes also have implications for the intake of micronutrients. For example, iron in the urban diet is more easily assimilated because this diet contains more iron of animal origin. The implications of urbanization in relation to calcium and vitamin C consumption are not clear, however.

Urbanization has consequences for food consumption patterns in rural areas as well. Through personal contacts, families of migrants remaining in rural areas tend to make some changes in diets that are similar to the changes made by the migrants themelves because of demonstrated effects and the receipt of remittances. Rural dwellers may also consume some of the new foods they produce for urban markets. As farmers specialize in crop production in response to changes in food demand, the variety of food produced in local rural areas may become more limited and can adversely affect the diets of the low-incomes rural population.

Access to Food and Urban Malnutrition

Most nutritional studies show that malnutrition is more widespread in rural than in urban areas of developing countries, but that the intensity of malnutrition is worse and becoming more severe in urban areas, particularly for children. This is mostly because access to food in cities is almost totally dependent on monetary income and the employment situation in many urban areas in developing countries is worsening.

For the newly arrived migrant, apart from income itself, crucial factors determining whether he or she can obtain an adequate diet are the length of period of unemployment following arrival and whether or not there are family members or friends who can provide food and lodging during the waiting period.

In addition, remittances to family members remaining at home in the rural areas may demand a significant portion of the migrant's income once a job is found. Because rural-urban migrants often constitute the majority of low-income groups in urban areas, where malnutrition is most frequently found, it is expected that they represent a significant proportion of those who do not have access to adequate diets.

Caloric intake in rural areas is usually higher than in urban areas (Table 2-9). However, this is partly because energy requirements are higher in rural areas owing to the greater amount of manual labour performed there.

Country	U	rban	Rur	al
	• • •	calorie	es/day	• • •
West Pakistan	1	806	2	126
East Pakistan	1	732	2	251
Eastern Brazil	2	331	2	258
Southern Brazil	2	451	3	072
India	1	480	2	090
Thailand	1	504	1	821
Trinidad and Tobago	2	550	3	011
Chad	2	113	2	467
Korea, Republic of	1	946	2	181
Indonesia	1	633	1	885

TABLE 2-9. DIFFERENCES IN AVERAGE URBAN AND RURAL CALORIC INTAKE IN SELECTED COUNTRIES

Source: Austin 1980.

Regardless of the level of income, the availability of food in cities influences the adequacy of the diet. In regions where food cultivated in backyards or gardens plays an important role in diversifying the rural diet, rural-urban migrants may not have access to sufficient land--if they have any at all--on which to grow vegetables or fruits, or to raise poultry or other small animals. Such foods can be available in cities, but prices may put them beyond the reach of most migrant families.

People in urban areas with low incomes spend most of their income on food and consequently have little choice as to what kinds of food they are able to buy (Table 2-10). Most migrants find themselves in this situation initially and are less likely to have had any nutritional guidance. The resulting diet may rely heavily on low-price staples and processed foods that may not provide the best nutrition for the expenditure.

TABLE 2-10. PERCENTAGE OF INCOME SPENT ON FOOD BY THE LOWEST INCOME QUARTILE IN SELECTED CITIES IN LATIN AMERICA

Country/City	Percentage of income spent on food
	0 0
Colombia	
Bogota	57.1
Barranquilla	67.7
Cali	67.4
Medellín	62.5
Chile	
Santiago	52.2
Ecuador	
Quito	59.7
Guayaquil	68.5
Peru	
Lima	57.6
Venezuela	
Caracas	50.4
Maracaibo	58.2

Source: Austin 1980.

These conditions may explain the urban bias often apparent in food distribution that can lead to large cities receiving a disproportionate share of public food. The cost of administering food distribution programmes may mean that rural areas--that are less accessible--will have to receive less attention.

Urban Slums and Nutrition

The most severe nutritional problems in many countries exist in the so-called peri-urban or suburban areas of large cities, where rural-urban migrants tend to congregate. The problem of poor nutrition in these areas is not only because of low incomes, but to limited access to food, since urban transportation is frequently not available and local markets are often far away. An emerging problem in these zones is the large number of households headed by working women who have little time to shop and prepare food for their children. Their time available for breast-feeding is also severely limited and babies have to be weaned early. It is reported that malnutrition among children in these areas is increasing (Nelson 1978).

People with low incomes in urban areas often have to buy food at small local outlets that have higher prices than supermarkets. But the small stores give credit that low-income consumers are often forced to use because of unemployment and low wages. While the large supermarket is able to buy large volumes on credit and sell large volumes for cash, the small food store must buy small volumes with cash and sell on credit, thus giving the large stores a financial advantage. Therefore, small stores usually sell lower quality food at higher prices so that food takes an even greater percentage of the income of the poor.

Urbanization and Food Safety

Methods of solving the nutritional problems of cities, such as developing urban agriculture, may raise other problems related to food safety. Uncontrolled or unregulated food crop and livestock production in densely populated urban areas can lead to serious sanitary and health problems. Such a situation caused a social worker in Mexico City to comment that the poor can die from what they eat as well as from a lack of food. On another continent, the feasibility of establishing rural cooperative dairies in India (the successful 'Operation Flood' programme) partially rested on the need to phase out, on public health grounds, the dairies that were situated in the midst of many Indian cities.

The density of population in urban areas makes adequate sanitary regulations of food handling most important. The wide variety and scale of food processing facilities, markets and retail outlets, particularly the street vendors and food kiosks, typical in the urban environment of developing countries, pose a challenge to the formulation of sanitary regulations that are sufficiently effective, but which do not impose high costs. This is becoming increasingly difficult as city dwellers turn to raising their own food, and the unregulated urban informal sector is usually focused on the marketing and preparation of food.

5. URBAN GROWTH AND FOOD MARKETING

Rapid urbanization in developing countries signifies a greater reliance on markets to supply the food needs of the urban population. Rural-urban migration implies that proportionately fewer people are able to grow their own food, which in turn means that food marketing facilities and channels must grow faster than overall population growth rates. Urban populations of developing countries depended on imports for nearly half of their food consumption in the late 1970s, and this can only worsen without substantial developments in marketing systems (Austin 1980).

Estimating Food Marketing Needs

According to a simple calculation, an additional 131 million tons of food in wheat equivalent will have to be shipped to urban areas in developing countries to feed those who will have migrated to urban areas between 1980 and 2000 (Table 2-11).8/ The actual amount produced on farms will have to be greater than the 131 million tons quoted because of food losses in storage, transportation, processing and distribution. Another 160 million tons of food in wheat equivalent will be required to feed the additional urban population due to natural increase.

The projected requirements in wheat equivalent of over 290 million tons in 2000 from the net addition to urban populations in developing countries between 1980 and 2000 provide a general idea of the additional food to be marketed owing to urbanization growth.

The marketing needs of the urban population of different countries and regions will vary because of differing rates of urban growth and present levels of marketing systems. Africa clearly seems to be in a precarious position as it will have to increase food marketing by nearly the same amount to urban areas as Latin America, but without the same degree of market infrastructure. Inability of the market to adjust to the urban

^{8/} See Box 2-5 for the methodology employed.

TABLE 2-11.	ESTIMATED INCR	EASE IN	FOOD REQUIE	EMENTS	(WHEAT	
	EQUIVALENT) FR	OM ADDI	TIONAL URBAN	POPULA	ATION BY	2000

Region	Total urban additions 1980-2000	Urban migrants 1980-2000	Natural additions 1980-2000
		million tons	
Africa Asia Latin America	56.9 173.6 59.6	25.6 78.1 26.8	31.3 95.5
Total	290.1	130.5	32.8 159.6

Source: FAO, Policy Analysis Division.

demand for food, plus the difficult production situation, could combine to put Africa in a serious food import position leading to greater balance of payment problems and the need for more food aid.

The large population base in Asia means that the net additional quantities marketed in urban areas will be roughly three times those of Latin America and Africa, even though Asia has both lower population growth and rural-urban migration rates.

Food Marketing and Urban Consumer Demand

The main challenges to marketing systems in developing countries as a result of urbanization are the major adjustments that must be made to meet the changing demand for food as well as the increase in the quantity of food to be marketed, and the need for agricultural input markets to provide the necessary quantity and mix of inputs required to produce the food products for urban markets. The food produced domestically will have to reflect the change in demand, and marketing channels will have to be expanded and created, in some cases, to satisfy domestic demand. The failure of the marketing system to work efficiently can result in lower prices to farmers, higher prices to consumers, and increasing food imports.

The demand for livestock products, fruits and vegetables will grow more rapidly than the demand for food grains as urbanization expands. While the importance of grains as a staple food will not diminish much and will remain crucial to the nutritional needs of low-income people in urban areas, an increasing demand for non-grain foods will require the rapid creation and expansion of marketing systems. Since these products are more perishable, greater market specialization in terms of physical facilities and management will be necessary.

Market adjustments will also occur in the provision of inputs for increased production of livestock products, fruits and vegetables. Clearly, pharmaceutical items will have to be supplied to provide for the health of animals as well as provisions of coarse grain and feed concentrates for intensive animal feeding in order to satisfy the growing demand for meat and milk. Also, increasing inputs of pesticides and herbicides specific to fruit and vegetable cultivation will have to be made available.

Evolution of Marketing with Development

As economic development progresses, the marketing component of the consumer's expenditure for food increases because more raw food products must be processed, packed and distributed to consumers. Yet the food system's share of a country's total economic activity declines as incomes rise, even as the need for food marketing functions rises. These trends can be observed in Colombia where, from 1970 to 1982, the food system's

share of economic activity declined from 38% to 34%. During the same period the off-farm component of the food system increased its share from nearly one-third of the system's economic activity to almost one-half, while the share of on-farm food production declined proportionally (Silva et al. 1984).

The case of the Republic of Korea also provides an example of the rapid growth of marketing as economic development proceeds. The ratios of marketed volume to total production of some commodity groups at the beginning and end of the 1967-80 period were as follows: rice 39%-46%; wheat and barley 26%-73%; miscellaneous grains 48%-94%; and vegetables 57%-77% (FAO 1983a).

During the initial phases of urbanization, the lack of an infrastructure and responsiveness to changing conditions appear to be the biggest problems in marketing. Critical bottlenecks are likely to occur in the transportation of food from rural areas to cities and in the overcrowding of access roads to markets.

Frequently, developing country transport systems have been built to facilitate the export of products rather than to move local produce to domestic urban centres. When urban food supplies are heavily dependent on imported foods, little domestic transport is needed other than to move foodstuffs from ports to major distribution points in cities. Inadequacies in the domestic transport sector may make it cheaper to import food rather than to acquire it locally. Importing food is also attractive because governments can more easily control prices and availability compared to domestic production, and quality standards are often more reliable.

Conversely, when a large share of food is produced domestically, an extensive transportation system is required to transfer food from principal food-producing to food-deficit zones. Roads must be built, improved and maintained, so that more products can move at faster speeds and incur less damage. Greater speed is needed to reduce ton-per-mile costs, since more perishable goods such as fruit, vegetables and livestock products have to be moved greater distances than formerly because of urban growth. Speed is crucial because an increasing demand for perishables by urban areas make transport costs and wastage important factors affecting both producer and consumer prices.

Storage presents a problem that is normally ranked second only to transport as the primary bottleneck in the transfer of food to urban areas. As the commercial production of grains and perishable crops increases above immediate market requirements, not only is a greater storage capacity required, but storage facilities may be required in more places. The marketing of processed foods requires different storage facilities as urban tastes begin to dominate food demand patterns.

The need to preserve food and transport it long distances will require new food processing methods. Food processing can have serious nutritional consequences because important nutrients can be lost either because the process cannot economically utilize the whole product, or because of spoilage. On the other hand, the fortification of processed foods by adding nutrients and vitamins can improve nutrition in cities as well as in rural areas.

Traditional and modern marketing

The traditional food marketing system is often characterized by inefficient marketing services with many small-volume, high unit-cost transactions and high food losses. Yet modern marketing systems often by pass low-income people in urban areas and may leave them worse off. Modern marketing developments in some countries have failed to alleviate urban nutritional problems in some countries. The development of commercial supermarkets in Latin America and, in some cases, in Asia, has generally taken place in relatively affluent neighbourhoods where clients have their own automobiles and a bank account and are normally required to shop at modern supermarkets where large-purchase, one-stop shopping is the norm. A refrigerator is also necessary to store perishables once shopping ceases to be a daily activity. Clearly, low-income residents in urban areas have neither the means nor the access required to utilize such facilities.

The trend toward supermarkets in Latin America is particularly demonstrated in the metropolitan area of Mexico City. From 1970 to 1975, the proportion of total food sold in Mexico City at small neighbourhood stores plummeted from 63% to 27%. The share of supermarket chains meanwhile increased from 10% to 37%, and the share of sales of speciality food shops rose from 27% to 35% (FAO 1977).

BOX 2-8. URBANIZATION AND FOOD IMPORTS

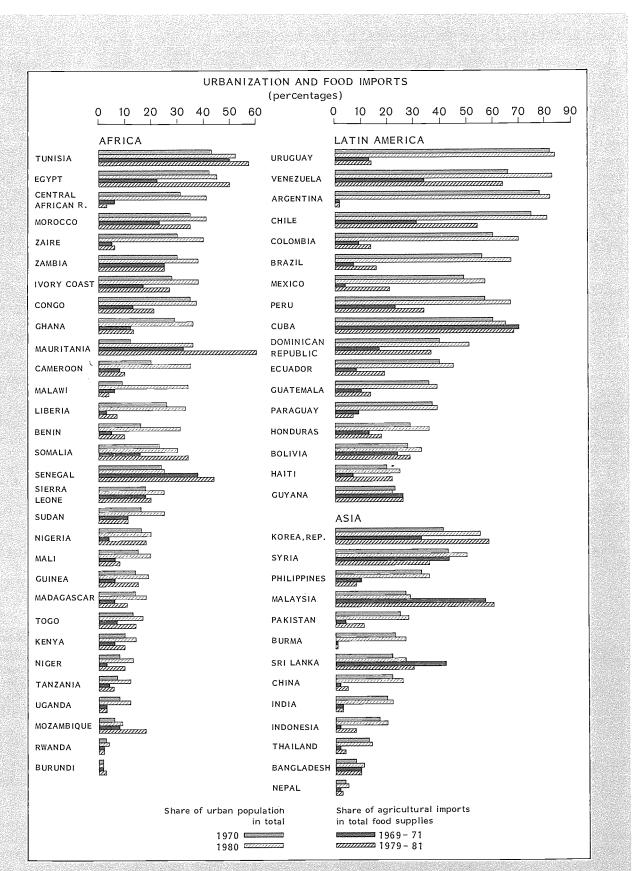
Increased urbanization in developing countries leads to increased dependency on food imports. This is supported by evidence provided by 61 developing countries (with populations of more than 1 million) for which data between 1970 and 1980 on food imports in relation to total food supplies and urbanization were available (see chart).

In 43 of the 61 countries, the importance of agricultural imports in food supplies increased; and in all but one country, the share of urban population per total population also increased.

However, other factors are important in determining the level of a country's imports of food. For example, urbanization is highly correlated with level of income, and both urbanization and income are associated with changing food tastes. Other important factors are the country's ability to finance food imports (foreign exchange balances, debt position, and access to food aid) and yearly changes in domestic food production. All of these factors and others mentioned here interact to obscure the relationship between urbanization and food imports. Nevertheless, when the 61 countries are classified according to the rate of increase in urbanization between 1970-1980, those that urbanized fastest (more than a 30% change) increased their dependency on food imports faster than those that urbanized more slowly (less than a 10% change). Economic growth (as measured by average annual changes in GDP in constant dollars) was similar for both groups of countries.

The adjacent figure shows changes in urbanization and food imports in relation to food supply.

	Changes in Urban to Total Population, 1970-80					
:	Less tha	n 10% 10.	.1-20% 20.	1-30% More	than 30%	
Developing countries (no.) 16	-	14	11	20	
Average change i food imports/tot. food supply (%)			109	89	54	



Source: FAO, Policy Analysis Division.

As rural-urban migration proceeds, incomes rise, tastes change, and consumers demand marketing services beyond those required for simply moving food to the city. The demand for greater convenience in food preparation and higher quality food generally rise as incomes and population concentrations increase. This is particularly true since time and facilities available for food preparation are different in urban and rural areas. This tendency has been shown in most countries by the demand for wheat bread over the local staple, as well as an increase demand for meat, fruit, vegetables and pasteurized milk in place of food grains and untreated milk. When marketings are inadquate or the marketing system is too inefficient and unable to compete against imported products, the result is an increase in food imports.9/ A critical issue in developing countries, where the cost of food is also the principal component of the cost of living, is how marketing services are provided at minimum costs.

The role of the small farmer also changes as food and input markets evolve. Many of the transport functions formerly performed by the small farmer are usually taken over by trucking operations directed by entrepreneurs. A growing share of the purchases from farmers will be made by wholesalers or processors who reach back as well as forward in the marketing system.

On the supply side, production may have to be geared to new processing schedules and equipment that are required by a changing marketing system. More important is the need to plan production around commercial tolerance guides for grades and standards. For example, contract farming requires the farmer to deliver a certain quality and quantity during a specific period of time.

On the consumption side, more people concentrated in urban areas will result in a greater influence of advertising on consumption habits compared to rural areas. In addition, there will be a less face-to-face relationship in the market place so that the names of processors and merchandisers will be more important in food choices. Consumers will be the crucial element on the demand side and the final arbiter of the marketing system.

6. POLICY OPTIONS

It is clear that economic development means slower growth in farm than non-farm employment opportunities. Unless jobs are provided in rural areas to absorb those released from agricultural production, migration also must accompany economic development. It is equally clear that urbanization and migration are not self-adjusting processes and if not controlled or directed to some degree, can result in deteriorating living conditions for both rural and urban people.

However, few goverments have provided the guidance, incentives or actions required to ensure an orderly transition from an agricultural to a non-agricultural based economy. Instead, the common pattern has been major imbalances in socio-economic conditions between rural and urban areas.

Governments and their development planners must recognize the interdependent nature of agriculture, rural development and demographic phenomena, including urbanization and migration. They must seek a coordinated approach to policies that affect development and welfare objectives and the implementation of the policies among the agencies that formulate them.

 $[\]underline{9}/$ The exchange rate is, of course, a major factor in determining the relative local cost of domestically produced and imported food.

The simple relationship in Figure 2-2, Section 2, depicts the simultaneous movements in demographic, production, marketing and nutrition factors that correspond to different levels of development. While the complexity of economic and social factors cannot be fully represented this way, any one of these factors can create a bottleneck in the course of development.

Direct Actions

Apart from the need to better integrate policies and programmes in a wide variety of fields across various governmental agencies, a number of policy options are available to mitigate some of the worst problems associated with the effects of urbanization and rural-urban migration. Policies can be directed towards:

- Modifying migration, population redistribution and population growth;
- 2. Helping food systems adjust; and
- 3. Competition and natural resource use.

Modifying Migration

The development process includes the transfer of labour from agricultural to non-agricultural occupations as agriculture modernizes. This inevitably leads to some rural-urban migration when jobs are created in the industrial and service sectors. However, the growth of an urban bias in national policies and development strategies has become perceptible that encourages excessive rural-urban migration with ultimate negative consequences for both urban and rural areas.

The role of government in creating and extending an urban bias towards major urban centres has been pervasive through such activities as: industrial promotion in or near major cities; higher education centered in urban areas; food subsidy programmes in cities; low prices to producers of agricultural products; subsidized urban housing and urban services; better medical facilities in urban areas; industrial protection policies that increase agricultural input prices; and concentration of investment in infrastructure in urban areas. These policies have helped to widen the gap in living standards between urban and rural areas, providing a major impetus to out-migration from the latter.

Clearly, governments will have to modify their development policies and programmes to slow down migration in order to promote orderly and cost-effective development for both urban and rural people. Such modification have already been set down in the programme of action of the World Conference on Agrarian Reform and Rural Development (WCARRD) in 1979 (FAO 1981b).

Improving rural infrastructure, services and living conditions. Apart from correcting an urban bias in policies, policymakers and planners have been urged to improve the incomes and living conditions of rural areas in order to retard rural out-migration. Rural electrification, more and better schools, medical facilities, and recreational outlets are among the amenities most sought.

The greatest obstacle to such investments is that the cost per caput of delivering such services in rural areas is normally higher than in all but the largest urban areas, mainly because population densities are lower. It is also difficult to attract and retain staff in relatively isolated places.

Some of the more successful attempts to improve living conditions in rural areas have concentrated on promoting in such areas economic growth

centres. Such developments have often led to an improvement in living standards by providing jobs and have created a tax base so that rural communities can become more self-sufficient in providing services.

<u>Rural industries</u>. The need to create employment and income-earning opportunities in rural areas is a crucial issue. Rapid urbanization requires a more productive agriculture that usually results in fewer people being employed in agriculture. This creates a reserve of low-cost labour relative to urban areas where relatively high wages result, often from a statutory minimum wage and pressure from labour unions.

A commonly advocated alternative to metropolitan growth is the location of industry in rural areas to provide part- or full-time employment to local people. The creation of jobs and the resulting multiplier effect provide an economic base that can lead to agglomeration economies and further economic growth. The extension of agricultural processing, grading and assembly points to rural areas can help increase employment and incomes.

This approach has been effective in many developed countries and is now increasingly advocated in developing countries. For example, in Kenya a combination of capital investment by peasants and small businessmen, principally in labour-intensive agro-processing industries, provided jobs to many rural people, including farmers. In the late 1970s, in some areas about one-half of the farming households had off-farm incomes and twothirds of those employed off-farm had full-time jobs (Freeman and Norcliffe 1983).

In China efforts have been taken to shift excess agricultural labour into other occupations in rural areas. This is achieved through the establishment of enterprises in rural areas such as food processing plants; the manufacture of building and construction materials, and other goods; the maintenance and repair of farm equipment; rural energy production; and small-scale mining and other light industries that employ and keep people in rural areas. The Chinese government attaches importance to such measures as a means of relieving the pressure on the big cities and of promoting the balanced development of industry and agriculture as well as urban and rural areas.

<u>Rural family planning assistance</u>. Programmes to reduce population growth through economic development are generally long term in scope as research has shown that socio-economic factors have a mitigating influence on fertility rates only after a relatively high level of income has been reached. An initial reaction to economic progress may be larger families, as education, income and job opportunities increase. However, after critical minimum income and educational levels are reached and infant mortality rates are reduced dramatically, birth rates will most likely begin to fall. But this is a slow process that may not take effect before more drastic methods are required.

Since the 1974 World Population Conference in Bucharest, profound changes in attitudes toward family planning and population distribution have taken place in many countries. Most countries have begun family planning programmes and while not all of the programmes have been successful, the overall population growth rate for developing countries has fallen from about 2.6% a year during the late 1960s to 2.1% a year currently.

As mentioned, the fertility rate in rural areas is higher than in urban areas. Although available figures for mortality rates in rural and urban areas clearly show that mortality rates are considerably higher in rural areas--largely because of the lack of medical services and health education--they will drop as socio-economic conditions improve, thus increasing population growth. The fact that rural population growth may accelerate and contribute even more to rural out-migration pressures, suggests that family planning services should be intensified in rural areas. While the costs of a rural family planning programme may be higher than an urban one, the benefits to society are still likely to be greater than the costs.

BOX 2-9. THE INTERNATIONAL CONFERENCE ON POPULATION 1984

The International Conference on Population was held in Mexico City in August 1984 to appraise the implementation of the World Population Plan of Action adopted in Bucharest in 1974. The confer-ence reaffirmed the validity of the principles and objectives that have served as a guide to action in the field of population for governments and for international and nongovernmental organizations. However, it was noted that the demographic, social, economic and political conditions of the world have changed considerably since then. While progress has been made in achieving some goals of the plan, other goals such as those relating to mortality, have not been met. Some important gaps in knowledge have been filled, but new issues have emerged to challenge the international community.

Urbanization was among the major issues raised by the Plan of Action. It was noted that the urban population continued to increase far more rapidly than the total population in most regions of the world. Furthermore, rapid urban population growth had become a matter of growing policy concern to most governments, particularly in developing regions where urban unemployment levels remain extremely high.

In the preparatory work for the conference, four expert group meetings convened in 1983 to review developments in four priority areas: (1) fertility and the family;

(2) population distribution, migration and development;

Source: UN 1984.

(3) population, resources, environment and development; and(4) mortality and health policies.

The 88 recommendations regard, ing the Plan of Action, that arose from these and other meetings and that were discussed and endorsed by the conference, included several related to urbanization and migration.

Given the rapid growth of urbanization, it was recommended that population distribution policies should be integrated with economic and social policies. Governments were encouraged to base such policies upon a broad cost-benefit analysis of individuals, families, different socio-economic groups, communities, regions and the country as a whole.

It was pointed out that if governments wanted to slow ruralurban migration, they should implement population distribution policies through incentives instead of through coercive measures, since the latter are difficult to implement and could violate human rights.

Governments that had adopted or were going to adopt an urbanization policy were encouraged to try to incorporate it in the overall process of development planning. Specific measures to reduce rural-urban migration were noted, such as the development of smalland medium-sized urban centres, and the reduction of inequalities among regions as well as rural and urban areas. <u>Population redistribution</u>. Policies that encourage the expansion of and migration to secondary cities and towns not far from rural peoples' origins, have been successful in some countries. For example, both the Republic of Korea and Pakistan have met with some success in promoting such a policy and their secondary cities are growing faster than Seoul and Karachi, their respective primate cities.

BOX 2-10. AN INTEGRATED PROGRAMME: THE CASE OF THE REPUBLIC OF KOREA

The Republic of Korea initiated a comprehensive programme of population and income redistribution more than twenty years ago. The initial policy guidelines revolved around the geographic allocation of economic activities because of the role of economic incentives in determining people's Three criteria were movements. then outlined to determine subseinvestment: the need guent to specialize regional production; the calculation of the costs and benefits of economic efficiencies; and long-term environmental consequences.

Concurrent policies for urban and rural areas were then implemented in the 1960s under the 'New Community Movement' that aimed to improve social and economic conditions for all regions, while reducing regional imbalances and urbanrural disparities. These were accompanied by a programme of land reform.

A tenfold increase in real farm income during the 1970-81 period has been claimed. Added employment in new rural occupations also increased non-farm incomes of farmers from 18% to 33% of all earnings. A rural housing programme national education and and transportation networks were developed to reduce regional disparities. The location of economic activities in secondary cities such as Inchon and Pusan are believed to an important element in the he reduced rate of migration to Seoul, the capital city.

Sources: Shin, Dong-Wan and Yang-Boo Chui 1983. Shin, Dong-Ju and Koe-Won Lee 1983.

The development of new or satellite towns near other large cities has also been attempted in some countries, such as India, to achieve a better population distribution. However, most efforts in developing countries to redistribute population in this way have not been very successful largely because of the cost involved and the tremendous amount of planning required. Mexico attempted to develop four cities to alleviate the population pressure on its federal district. The results of the project are not yet available, but preliminary indications have not been favourable.

Some countries provide monetary incentives to encourage migration from crowded to underpopulated regions. Indirect subsidies have also been utilized in the form of the provision of services to a sparsely populated area in an effort to attract people. The establishment of Brasilia is an example. Government-sponsored resettlement schemes have also been attempted to relieve population pressure. The transmigration programme of Indonesia is an often cited example of an attempt to expand agricultural frontiers in order to reduce urban population growth rates.

Rural development programmes should also have a population retention component through the setting up of infrastructure necessary for the location of industrial and service activities and the creation of jobs in rural areas. A major purpose of some programmes could be to involve local rural inhabitants in the planning of projects that are to be implemented in the area. The <u>panchayat</u> experiment introduced in West Bengal (India) in 1978 is an example in that it mobilizes partly remunerated labour in rural development. Such programmes can offer a partial alternative solution to migration.

Transmigration in Indonesia has its roots in the colonization programme of the Dutch colonial administration and even in precolonial days, with people moving from the densely populated inner islands of Indonesia such as Java to the lightly settled outer islands, particularly Sumatra. However, the transmigration programme proper was reinstituted in 1950 by the newly independent Indonesian Government. It was seen originally as a way to reduce poverty and later as a programme to alleviate population pressure on the overcrowded island of Java. However, become recognized it. has that itself transmigration can have little impact on the rate of population growth in Java except in specific locations. The officially held view is that transmigration brings unused resources into production and is a means of regional development. In these respects, the programme has been successful.

Although there have been extensive modifications to the transmigration programme throughout its long history and the categories of transmigrants and the eligibility of people for participation in the programme have changed over time, there is a basic distinction between general and spontaneous The former receive transmigrants. full support from the government, including all transport costs, 2 ha of prepared land, food until the initial harvest and--on a repayment basis--housing, utensils and agricultural inputs. Spontaneous transmigrants have to pay for their transportation costs but receive land and other assistance at their destination in the outer islands.

The programme has had a history of overly optimistic targets and rising budgetary costs. For example, in the 1950s only 28 4000 people were settled compared with the target of over 6 million. The modest target of 40 000 families settled in the first five-year development plan, Repelita I (1969was exceeded, but 74) that of II (1974-79) Repelita of over 250 000 families was achieved to an extent of only one-third. Repelita (1979-84) had a target TTT to settle 500 000 families, but the figure has not been attained. Budgetary expenditures have soared from Rp 2 300 million in 1972/73 to Rp 360 000 million in 1981/82; international agencies also have increased their participation in the programme.

Problems encountered have been of essentially three categories: administrative, insufficient preparation in the destination areas, socio-cultural difficulties. and Although greater attention is being given to site selection and preparation, the mass movement of relatively young, and hence fertile, couples and their children to a different environment, inevitably poses major challenges to health and educational systems that are not well developed. Queries are now being raised about the population supporting capacity of the outer islands themselves and land shortages there could well emerge.

Source: UN/ESCAP 1981.

Helping Food Systems Adjust

Direct policy measures can be undertaken in the food production, marketing and nutrition components of a country's food system to help adjust to the changes brought about by urbanization and to prepare for likely problems. There is ample scope for improving the commercial and public sectors of most developing countries to meet the needs of food producers and consumers, increase food production, establish efficient marketing systems and enhance access to food.

Food and agricultural production

More food will have to be produced by relatively fewer people as urbanization proceeds. Production patterns will have to change to meet changing food consumption patterns and to allow for the changing size and structure of the agricultural labour force (relatively more women in Africa and Asia, and the young and elderly in all regions). Pressures will increase for mechanized methods of farming to be introduced and, in situations where land ownership is already skewed, greater inequality in the access to land is likely to emerge. Without some form of intervention, the operation of market forces may mean that the opportunities offered by expanding urban markets are grasped by a privileged few and bypass the majority.

Some of the ways to help food producers meet the challenge of urbanization can only be outlined here since they embrace a very wide range of possible interventions in agricultural development. Measures meeting the needs of the rural poor and small-scale farmers will help to ensure that development reduces rather than increases the flow of migrants to overcrowded cities. Such measures can be on the following lines:

- Extension services have to be strengthened in several ways. Different types of farmers will have to be contacted, particularly women farmers, which means the recruitment of more women extension staff. New technologies will have to be introduced to intensify the production of existing food products. Farmers will need to learn how to cultivate new crops such as vegetables on the periphery of towns. Extension staff may have to be retrained or equipped to handle these problems and applied agricultural research programmes may also have to be reoriented to generate the technologies needed to produce existing food products in new ways and to produce new or non-traditional crop and livestock products.
- Inputs will have to be more widely available. Clearly, more intensive production generally implies greater input use and hence the wider distribution of inputs. Seeds and planting material will be needed for new or non-traditional crops and stock for new livestock enterprises. Decisions will have to be made on what forms of mechanization should be promoted (if any) and whether to improve existing livestock or to take the opportunity to introduce improved and possibly exotic breeds, which may lead to more capital-intensive production systems. Better and more efficient distribution channels for inputs will have to be sought.
- Greater input use implies a greater need for working capital and hence credit. Here again the need for greater access by women farmers, often discriminated against in this area, must be taken into account.
- Land reform measures, such as limits on farm size and redistribution, may have to be introduced to prevent deterioration in the structure of land ownership or access.

Marketing development

Large-scale commercial operations. A major feature of the successful development in delivery systems in the commercial sector has been the proliferation of vertical coordination by which producers are linked with food distributors. It is widely held that efficient vertical integration will be the key to efficient food production and delivery in many developing countries as marketing channels become longer and more complex, and as the scale of handling food increases geometrically with urban growth. However, such a marketing structure carries the danger of an excess concentration of bargaining power from both the producer's and consumer's viewpoint. It also lends itself to the adoption of imported technology and advertising. <u>Small-farmer cooperation</u>. A complement to vertical coordination for marketing purposes is horizontal coordination among small-scale producers in order for them to undertake various cooperative ventures that enhance access to lower cost services and supplies and reduce marketing costs. Small farmers can join together to form supply and marketing cooperatives to obtain inputs and services and to assemble, grade, transport and sell their products to varying degrees. However, in many developing countries small farmers often lack the managerial skills needed for such ventures to succeed, let alone the organizational and business background. Employing experienced managers is usually essential and government can provide guidance in their selection and training.

The role of government in marketing. In addition to needed attention to the structure of food marketing, concomitant developments in public institutions are crucial to the effective evolution of a food supply system capable of satisfying the needs of a rapidly urbanizing population. Direct state intervention has been used successfully in some cases to stabilize the prices paid by low-income consumers for basic foods during periods of economic stress and food shortages. In other cases, governments have successfully played a role of facilitator to improve performance of commercial markets rather than as controller of food prices and have intervened in food distribution. This facilitating role is particularly important to the servicing of rapidly growing urban areas that will require greater volumes of perishable food (meat, fish, vegetables, fruits and dairy products) on a daily basis.

Governments are frequently involved in making markets more efficient, which in most cases could be achieved by making the process of market price formation more transparent. Many countries have been advised to use auctions to help food buyers and sellers arrive at prices efficiently. Crop reporting, market information and outlook services can be important in enabling food systems to adjust. India is even looking to computerization as a means of providing price information on a continuing basis.

Each of the basic food groups has distinct characteristics that determine the appropriate type of marketing channel. Recognizing the important role of grains in meeting the nutritional needs of low-income urban groups, governments often intervene to ensure cereal availability and stable prices. This is relatively easy since grains are easily stored for long periods compared to more perishable produce.

A difficult decision for governments to make is whether to provide a subsidy on food grains and, if so, whether targeted or blanket subsidies should be used. Targeted subsidies include food stamps and food shops that are available to qualified low-income people, whereas the blanket subsidy is available to all. Successful programmes using blanket subsidies either make subsidized food available in areas where only low-income consumers live and work or subsidize food that is consumed mostly by lowincome people.

Other direct intervention schemes for staple foods, such as the 'fair shop' programme in India and various food stamp or food rationing programmes in other countries, are likely to continue to play an important role in food distribution, even though they may encourage rural-urban migration by lowering the cost-of-living in urban areas. To be fully effective, fair price shops should be located in the local market or bazaar in low-income neighbourhoods. However, such shops do not replace the need to expand and improve wholesale and retail markets to serve the other income groups in cities.

Price control and other direct forms of market intervention for meat are difficult, particularly in tropical climates since meat is perishable. Marketing specialists advise governments to concentrate their efforts more on introducing and implementing standards of sanitation and hygiene in the markets and shops where meat is sold. The grading of meat for quality is not important where low-price meat is cut or chopped and sometimes combined with other foods before consumption. For example, in Kenya where price controls have been applied to meat, only two grades were used: bone-in and bone-out.

The perishability of fresh products such as fruit and vegetables makes effective price control by government agencies virtually impossible. The grading of the many types involved also poses problems. A system that allows the daily supply to be sold on the same day is often necessary for the efficient marketing of such perishable products. Prices can be arrived at through auction or bargaining. These activities may not require government regulation beyond ensuring access to them by small-scale buyers and sellers.

Sanitary and hygienic control by governmental personnel is also important for fish and seafood marketing. However, the extreme perishability of these products renders direct market intervention by governments hazardous.

The availability of trained personnel is crucial to the efficient operation of an urban food marketing system. Training programmes have to be expanded in line with anticipated technological advances and investments in marketing facilities and infrastructure if operational bottlenecks are to be avoided. There are clear roles for governments in the provision of technology, economic analyses, logistics, information and regulatory training programmes related to food marketing, as well as for donor agencies in supporting them.

Local market development. For most developing countries, the establishment of large open bazaar-type markets throughout major cities can help accommodate the needs of growing urban areas. Most urban food marketing studies have shown that food shoppers are willing to walk about 700 metres or 15 minutes one way to shop for food. In the developing world's cities this would mean that food markets so dispersed would accommodate from 3 000 to 5 000 families. Servicing this number of families could require from 100 to 200 food shops in each retail market (FAO 1975).

Typically, the local government collects fees and takes care of the land and sanitation services, but advertizing, management and physical upkeep of the market depends on the retailers themselves. Government control of weights, measures and produce quality (where appropriate) can be important in protecting consumers and ensuring their confidence in the market.

One of the greatest needs regarding the food delivery system in developing countries that experience rapid urban growth will be the development of strategically located wholesale markets for perishable foods. The efficient planning, management and organization of such markets are crucial to ensure fair prices for consumers. The keys to success of such markets include adequate facilities, product specialization and access to transportation and credit. Brazil has recently completed plans and construction for 22 wholesale markets with details such as these incorporated into the overall design.

The periodic market, which rotates to different points in rural areas every few days, is another market development that has been successful in some Asian countries and could be introduced elsewhere to assemble food for shipment to urban areas. The competition among wholesalers promoted by this type of market allows farmers a choice in selling their produce and is more likely to ensure an acceptable market performance. The role of the entrepreneur has also been encouraged in more traditional bazaartype markets. In all, successful examples of these market developments and the role of the government have been limited to regulation and organization and do not extend to price interventions. <u>Public and private complementarity in food marketing</u>. Numerous studies in developing countries have shown that middlemen or traders' margins are not necessarily excessive. Indeed, a lack of middlemen willing to serve outlying rural markets with small volumes of produce to sell is often a greater problem. The same studies have shown that parastatal marketing margins are often higher than those of private traders. They usually recommend training in business practices for wholesalers and retailers and the gathering of food commodities into a wholesale market so that large retailers need only go to a single location to obtain the range of commodities they need. Price information in the wholesale market must be publicized so that all traders can participate.

From such studies it is clear that cooperation between the private and the public sectors is a requirement for overcoming the food production, marketing, and distribution problems faced by developing countries with rapidly growing urban populations. The need for coordinated and coherent policies across government agencies is a minimum requirement for success. Increasingly efficient market operations have resulted from government policies and actions that have supported and facilitated the development of private food markets in urban areas.

Better nutrition for low-income urban groups

Some direct measures can also be taken to improve inadequate diets of low-income groups in urban areas that often include many rural-urban migrants.

One interesting development, which may have its antecedents in the urban allotment movement in the industrial cities of Great Britain in the nineteenth century, is the growth of urban agriculture. China, for example, has been very successful in growing vegetables in urban areas as its cities are 85% self-sufficient in this produce. Two of its largest cities, Shanghai and Beijing, are totally self-sufficient in vegetable production (Wade 1981).

The urban agriculture programme in Lusaka, Zambia is another example. The programme provides seeds and technical assistance and encourages community organization in the city to promote urban gardening. It is estimated that 10%-20% of Zambia's perishable food is currently produced within the city (Ledogar 1978).

Town planners are being encouraged to include areas for urban agriculture in their city designs. Urban agriculture can take advantage of the food growing skills of rural-urban migrants. However, uncontrolled growth of food supplies in urban areas can lead to sanitary and public health problems regarding food crop and livestock production.

The health hazards posed by unsanitary conditions and untrained staff in food preparation and handling have already been noted in Section 4 when the growth of informal food kiosks or cafes in urban centres in developing countries was discussed. These informal vendors provide a service needed by the urban poor who are often single, lack cooking facilities and may have to travel long distances to their place of work or to look for work. The food retailed by these places is usually a traditional staple, simply prepared; it must be low cost. Basic sanitary requirements must be met without significantly raising costs.

Closely related to this are needs to educate the urban public about food safety, the nutritional aspects of convenience foods, and the dangers of being influenced too much by food advertising.

Competition and Natural Resources Use

The competition for land, water and forest resources often assume serious proportions as cities grow. Two examples indicate some of the measures that can be taken.

The first example suggests that urban water supplies are often subsidized so that less is available for the most useful purposes. For example, it is claimed that Mexico City residents only pay about 20% of the real costs of supplying them with water. This causes the wasteful use of a scarce resource that must travel hundreds of kilometers and be lifted over 2 200 vertical metres (Leal 1984).

The other example concerns legislative means to regulate land use through zoning laws. For example, Tunisia has introduced legislation with the objective of protecting its scarce agricultural land. Land within this law are divided into three types or zones:

- Zones where urban development is forbidden, such as around public irrigation schemes and forest areas;
- Zones where agricultural use is protected in the national interest; and
- 3. Zones comprising all agricultural land, apart from the first two listed, which are placed under government control to prevent their unauthorized conversion to non-agricultural use.

Other ways of dealing with land and water problems, as regards pollution and speculation in peri-urban land markets that drive up prices of agricultural products, usually centre around governmental methods of imposing taxes or fines or passage of land use legislation. Industrial and agricultural polluters can be fined according to the net societal costs of the pollution activity. However, the difficulty in measuring the source and effects of pollution, whether agricultural or industrial, has been illustrated in court cases in many developed countries. While the costs of establishing legal precedents and institutions to effectively deal with pollution problems are high, the long-term societal cost of not doing so may be much higher.

Methods of taxation can be used to avoid rapidly rising prices of farmland due to land speculation near urban centres. Such methods include the taxing of windfall profits that would result if agricultural land is sold for urban development at market prices. A judicious use of taxes and zoning laws could prevent the price of farmland from rising to levels where farming is no longer a viable option near urban areas.

Concluding Remarks

Rural-urban migration, rapid urbanization, and the excessive rise of primate cities can be modified by governmental actions in a manner so that the negative effects on people of too rapid modernization on an agrarian society can be eased. The sum of such measures may amount to no more than the removal of an urban bias in development policies or coordinating such policies. In other cases, more substantive measures may be required involving movements of people from one rural area to another or bringing jobs to rural people. Again these may range from merely assisting spontaneous movements to more elaborate and expensive government-sponsored settlement schemes and rural industrialization programmes. Policies designed to control the rate of overall population growth over the long term will make the situation easier to manage.

The success of such policies will be seen in making both urban and rural areas better places in which to live, possibly without the polarization that exists between many rural and urban environments today. A thriving, progressive agricultural sector, well-integrated with the industrial and service sectors of the economy, is a reasonable goal to aim for.

REFERENCES

- Austin, James E. 1980. <u>Confronting Urban Malnutrition, the Design of</u> <u>Nutrition Programmes</u>, World Bank Staff Occasional Papers, no. 28, Washington, D.C.
- Brown, Lester 1981. "The Worldwide Loss of Cropland," <u>Future Dimensions of</u> <u>World Food and Population</u>, Richard G. Woods ed., Westview Press, Washington, D.C.
- Chauvin, H. 1981. "When an African City Runs Out of Fuel," <u>UNASYLUA</u>, vol. 33, no. 133, Rome, p. 20.
- Dasgupta, Biplab 1984. "Labour Migration and the Rural Economy," FAO, Rome.
- FAO 1975. "Development of Food Marketing Systems for Large Urban Areas, Asia and Far East," Reports of the Expert Consultation, Rome.
- FAO 1977. <u>El abastecimiento alimentación en la ciudad de Mexico</u>, IPARDES/PROCADES, ALAC, Santiago.
- FAO 1981a. Agriculture: Toward 2000, Rome.
- FAO 1981b. "The Peasants," Declaration of Principles and Programme of Action of the World Conference of Agrarian Reform and Rural Development, Rome.
- FAO 1983a. Food Marketing in Asian Countries, RAPA, no. 68, Bangkok.
- FAO 1983b. Urbanización, evolución de la estructura comercial y opciones de política para mejorar la distribución de alimentos de los estratos urbanos de bajos ingresos, Consulta de expertos sobre urbanización intensiva y sus repercusiones alimentarias y nutricionales en America Latina, RLAT, Santiago.
- FAO 1984. "Women in Developing Agriculture," chapter 2, <u>State of Food and</u> Agriculture 1983, Rome.
- Freeman, D. and G. Norcliffe 1983. "The Rural Non-Farm Section: Development Opportunity or Employer of Last Resort," Ceres, Jan.-Feb., FAO, Rome, pp. 28-34.
- Gaude, Jacques and Peter Peck 1976. "The Economic Effects of Rural-Urban Migration," <u>International Labour Review</u>, vol. 114, no. 3, Nov.-Dec., Geneva.

Government of Mexico 1974. Mexican National Water Plan 1975, Mexico.

- Kamweti, D.M. 1984. <u>Fuelwood in Eastern Africa: Present Situation and</u> Prospects, FO;MISC/84 for FAO, Rome.
- Leal, Francisco 1984. "Cierrale," Vision, March 26, Mexico.
- Ledogar, Robert S. 1978. "Food and Survivival in Lusaka's Self-Help Townships," Les Carnets de l'Enfance, vol. 43, July-Sept., Paris, pp. 57-62.
- Linn, Johannes, F. 1983. <u>Cities in the Developing World, Policies for</u> <u>Their Equitable and Efficient Growth</u>, A World Bank Report Publication, Oxford Press, London.

- Nelson, Janet 1978. "Peri-Urban Malnutrition, A Neglected Problem," Les Carnets de l'Enfance, vol. 43, July-Sept., UNICEF, Geneva.
- Parker, John K. and James Cole 1981. Urbanization and Agricultural Policy in Egypt, ERS, FAER no. 169, Washington D.C.
- Reig, Nicolas 1984. Sistemas alimentarios, agricultura y urbanización en Mexico, FAO, Mexico.
- Rodriguez, German and John Cleland 1980. "Socio-Economic Determinants of Marital Fertility in Twenty Countries: A Multivariate Analysis," Paper presented at World Fertility Survey Conference, London, Appendix Tables A-2 and A-3.
- Salas, Rafael M. 1984. <u>Reflections on Population, United Nations</u>, Fund for Population Activities, Pergamon Press, New York.
- Shin, Dong-Ju and Koe-Won Lee 1983. "Urbanization and Interregional Migration Patterns: The Case of Korea," Journal of Rural Development, vol. 6 (June) pp. 31-44.
- Shin, Dong-Wan and Yang-Boo Chui 1983. Agrarian Reform and Rural Development in Korea, FAO Regional Office for Asia and the Pacific, March, Bangkok.
- Silva, Alvaro C., Roberto Albornoz M., Ivonne Martinez and Miguel Casal 1984. "Situacion y tendencias en la disponibilidad de alimentos," Revista de Planeación, XVI (I), Bogota.
- UN 1982a. Estimates and Projections of Urban, Rural and City Populations, 1950-2025: The 1980 Assessment, New York.
- UN 1982b. National Migration Surveys, ESCAP, Population Division, Bangkok.
- UN 1983. "The Impact of Workers' Remittances on the Balance of Payments," <u>Supplement to World Economic Survey 1983</u>, New York.
- UN 1984. <u>Population Distribution, Migration and Development</u>. International Conference on Population, Proceedings of the Expert Group. Hammamet (Tunisia), March 1983, New York.
- UN 1985. Estimates and Projections of Urban, Rural and City Populations, 1950-2025: The 1982 Assessment, New York.
- UN/ESCAP 1980. "Migration, Urbanization and Development in the Republic of Korea, Comparative Study of Migration, and Urbanization in Relation to Development in the ESCAP Region," Country Report no. 1, Bangkok.
- UN/ESCAP 1981. Migration, Urbanization and Development in Indonesia, New York.
- Visaria, Pravin and Leala Visaria 1981. "India's Population: Second and Growing," Population Bulletin, vol. 36 (October), p. 26.
- Wade, Isabel 1981. "Fertile Cities," UN Development Forum, Sept. 14, New York.
- Wadehn, Manfued 1981. "Urban and Regional Development in Brazil," <u>Applied</u> <u>Geography and Development</u>, vol. 19, Tubingen, Germany, Fed. Rep.

- AID 1983. The Private Sector: The Regulation of Rural Markets in Africa, Evaluation, Special Study no. 14, June, Washington.
- Austin, James E. and Marian F. Zeitlin 1981. <u>Nutrition Intervention in</u> <u>Developing Countries, An Overview</u>, Harvard Institute for International Development, Cambridge.
- Basta, Samir S. 1977. "Nutrition and Health in Low-Income Urban Areas of the Third World," <u>Ecology of Food and Nutrition</u>, vol. 6, pp. 113-124, London.
- FAO 1982. Food and Nutrition Implications of Intensive Urbanization in Latin America, 17th FAO Regional Conference for Latin America, Managua, Nicaragua.
- FAO 1983. <u>Consulta de expertos sobre urbanización intensiva y sus</u> repercusiones alimentarias y nutricionales en America Latina, Bogota, May 9-13, RLAT 802.
- Lipton, Michael 1975. "Urban Bias and Food Policy in poor Countries," Food Policy, Nov., Guilford, England.
- Mittendorf, H.J. 1982. "Rural Market Centres: Potential Development Centres for Small Farmer Development," Indian Journal of Public Administration, vol. XXVII, no. 1, Jan.-March, pp. 101-119, Rome.
- Whan Kihl, Young and Dong Sub Bank 1981. "Food Policies in a Rapidly Developing Country: The Case of South Korea, 1960-78," Journal of Developing Areas, 16(1), October.
- World Bank 1981. The Effects of Population Growth, of the Pattern of Demand, and of Technology on the Process of Urbanization: An Application to India, Staff Working Paper, no. 520, Washington, D.C.
- UN 1980. <u>Patterns of Urban and Rural Population Growth</u>, Department of International Economic and Social Affairs, Population Studies, no. 68, New York.
- UN 1982. The Age and Sex Structure of Urban and Rural Populations, 1970-2000: The 1980 Assessment, Population Division, New York.

ANNEX 2-1

LIST OF REGIONS AND COUNTRIES USED IN CHAPTER 2

AFRICA Algeria Angola Benin Botswana British Indian Oce. Terr. Burkina Faso Burundi Cape Verde Central African Rep. Chad Comoros Congo Djibouti Egypt Equatorial Guinea Ethiopia Gabon Gambia Ghana Guinea Guinea-Bissau Ivory Coast Kenya Lesotho Liberia Libyan Arab Jamahiriya Madagascar Malawi Mali Mauritania Mauritius 1/ Morrocco Mozambique Namibia Niger Nigeria Reunion Rwanda St. Helena Sao Tome & Principe Senegal Seychelles Sierra-Leone Somalia South Africa Sudan Swaziland Togo Tunisia Uganda United Rep. of Cameroon United Rep. of Tanzania Western Sahara Zaire Zambia Zimbabwe

EAST ASIA China Hong Kong Korea, Republic Korea, Dem. People's Rep. Macau Mongolia SOUTH ASIA Afghanistan Bahrain Bangladesh Bhutan Brunei Burma Cyprus Democratic Kampuchea

Democratic Yemen

Gaza Strip (Palestine)

Lao People's Dem. Rep.

East Timor

Indonesia

India

Iran

Iraq

Israel

Jordan

Kuwait

Lebanon

Malaysia

Maldives

Pakistan

Philippines

Saudi Arabia

Syrian Arab Republic

United Arab Emirates

Singapore

Sri-Lanka

Thailand

Viet Nam

Turkey

Yemen

Nepal

Qman

Qatar

LATIN AMERICA

Antiqua and Barbuda Argentina Bahamas Barbados Belize Bolivia Brazil British Virgin Islands Cayman Islands Chile Colombia Cost Rica Cuba Dominica Dominican Republic Ecuador El Salvador Falkland Islands French Guiana Grenada Guadaloupe Guatemala Guayana Haiti Honduras Jamaica Martinique Mexico Monserrat Netherlands Antilles Nicaragua Panama Paraguay Peru Puerto Rico St. Kitts-Nevis-Anguilla St. Lucia St. Vincent-The Grenadines Suriname Trinidad & Tobago Turks and Caicos Islands U.S. Virgin Islands Uruguay Venezuela

1/ Including Agalesa, Rodrigues and St. Brandon

Source: UN, Estimates and Projection of Urban, Rural and City Populations, 1950-2025: The 1980 Assessment, New York, 1982.

ANNEX TABLES

ANNEX TABLE 1. VOLUME OF PROLUCTICN OF MAJOR AGRICULTURAL, FISHERY AND FOREST PRODUCTS

Setel Setel Data Classifie 12229		1973	1974	1975	1976	1977	1978 AND MEIFI	1979 C TOSS	1980	1981	1982		ABNOAL RATE CF CHANGE 1973-83 PEECEBT
NATCHINAL JADNICH TATUL INAL JADNICH 177300 127300													
UPDATE UPDATE<	HOELD												
CLASSAVA 100003 102240 107240 11614 11693 116125 123254 12325 12325 12325 12325 12325 12325 12325 12325 12325 12325 12325 12325 12325 123255 123254 13325 <													
CLASSAVA 100003 102240 107240 11614 11693 116125 123254 12325 12325 12325 12325 12325 12325 12325 12325 12325 12325 12325 12325 12325 123255 123254 13325 <	TOFAL CEEFALS WHEAT HICE PADLY BALLEY HALLE HILLET AND SCRGHUM	1375350 376194 335981 151037 321438 96062	1338553 364252 333069 152746 307170 86577	360045 358828 137905 342403	425812 350621 172188 351559	387311 371903 160334 371597	451200 367772 179988 394571	428499 377226 158198 419290	446169 398582 160163 396793	4 5 3 5 5 1 4 1 20 29 1 5 5 4 19 4 4 97 69	485167 422986 162361 447866	497025 450140 168404 348501	3.16 2.86 .90 2.65
CTABLE LEADT 12232 1410 12245 1410 1500 1772 1500	ROOT CECPS POTATCES CASSAVA	590994 312431 100003	556123 293925 102983	284936	291941	298716	315681	320876	264318	288702	287609	287704	53
JALLAS 2267 2216 3216 32267 32261 32267 32261 32267 32261 32267 32261 32267 32261 32267 32261 32267 32261 32267 32261 32267 32261 32161 3338 3332 3333 3332 3336 3366 3336 3366 3336 3366 3336 3366 3366 3366 3366	TOTAL PULSES	42324	42474	39916	44839	42572	44452	40855	40433	42362	45133	44742	.41
Source of the state o	BANANAS	32587	33154	32946	34131	36509	37329	38249	8039E	41038	39 95 0	40213	2.59
COP/LG GENEN 4193 4767 4609 3531 4419 4804 4966 4011 6039 4927 5533 2.65 CCCA BEANS 1456 1555 1551 1551 1551 1551 1555 1556 556 2704 1575 1766 3776 3766 37725 3776	SOYBFANS GLOUNDRUTS IN SHELL SUNFLOWEE SEED RAPESEED COTTONSEED	59238 16738 12140 7296 25700	52567 17305 10992 7351 26151 3482	64267 19126 9628 8788 22666 4565	57395 17058 10301 7612 22078 5300	73779 17314 12164 7904 25671 4748	75350 18227 13093 10568 24411 4889	887 86 1 81 11 1 52 44 105 42 2 64 10 4 29 1	81110 16657 13432 10605 26642 4526	88181 20594 14168 12047 28692 4689	92253 18241 16183 15060 27955 4764	79318 19021 15483 13939 27885 5061	5.16 1.00 4.35 7.55 1.64 2.05
CCCCA BRANC 1405 1557 1561 1352 1465 1468 1576 1751 1781 1111 1122 1572 1572 1571 1781 1781 11111 1111 1111	SUGAR (CENTEIPUGAL, 24%)	76463	75729	79194	83554	89723	90510	88623	83924	93026	102640	97766	2.69
JUDE AND SIALL AR FIGHES 3226 3146 3177 3393 3716 4497 4474 4050 4217 3736 3773 1.78 SIALL AR FIGHER 326 120 120 120 120 120 120 120 120 120 120	COCOA BEANS	1403	1557	1561	1352	1465	1488	1676	1659	1729	1 59 7	1609	1.50
OTAL SEAT 105570 111129 113002 115315 119452 123662 12071 133566 136631 140559 2.99 COLL SELT 12213 22115 12255 22659 22659 2269 2669	JUTE AND SIMILAR FIBRES	3926	3148	3177	3393	3716	4497	4474	4090	4217	3736	3773	1.74
PISUBLEY PLODUCTS 1/ PESCHATZEE + DIADACHOOUS 7312 7292 7492 7292 7506 7460 7729 8061 8663 6962 9311 2.50 MARINE JISH 48439 52361 51467 54741 52816 54421 54858 55219 57183 56603 57888 4.32 AUXIE CLEAR LISE CLEARLOF 611 621 121 13 7136 7481 52816 53421 52858 55219 57183 56603 57888 4.32 AUXIES CLEARLOF 611 621 121 13 7136 7481 52819 5249 57183 58603 57888 4.32 AUXIES CLEARLOF 611 521 139 138 143 232 213 207 146 167 154 325 2.60 AQUATIC ALTARS 257 139 138 143 143 232 215 207 146 167 154 325 2.60 AQUATIC ALTARS 257 139 138 143 143 232 215 207 146 167 154 325 2.60 AQUATIC ALTARS 257 139 138 143 143 232 215 207 146 167 154 325 2.60 AQUATIC ALTARS 257 139 138 143 143 232 1215 207 146 167 154 325 2.60 AQUATIC ALTARS 257 139 138 142 2257 22775 25957 5572 50125 25957 2277 22779 295 2959777 SALLOGS CONTRADUS 32617 326810 32266 32237 23705 259120 32663 136842 370206 32627 370930 1.36 SALLOGS CONTRADUS 38833 32183 300400 329361 339163 142027 1427174 153055 1573112 1606318 1632499 2.63 SALMOOD CONTRADUS 9751 100564 5671 010237 103070 329361 339163 140366 138759 1272112 1606318 1632499 2.63 SALMOOD CONTRADUS 9751 100564 5671 010237 103071 100420 117201 110980 104411 0723 1.26 SALMOOD CONTRADUS 9751 100564 5671 010237 103071 100420 11720 111048 10420 11524 POLE FOR PARS POLE FOR PARS													
PERSENTATES + DIADACKOUS 7312 7292 7492 7252 7508 7460 7729 8061 8663 8982 9311 2.50 MARINE FISH CRUST. KOLLUS+ CEPHALOF 6127 6267 5660 51868 1.57 AQUATIC ALMALS 11 11 12 13 11 11 20 0 17 17 AQUATIC ALMALS 2311 2625 2473 233 3093 3150 3304 3027 1269 2.60 AQUATIC ALMALS 211 2625 2473 2334 3033 3150 3304 3027 1269 2.60 SALOSS COMPARITEROUS 216970 226810 210742 233367 25172 251303 609181 57439 559526 595957 .77 SALOSS NOCONTREROUS 236814 56603 520172 251303 66424 70205 65273 79030 136273 77310 160318 133289 2.43 SALOSS NOCONTREROUS 32611	TOTAL MEAT TOTAL NILK TOTAL EGGS HOOL GREASY	105570 413213 21652 2649	421715 22285	42£365 23005	435027 23419	447516 24399	4544 10 255 79	460467 26351	466061 27154	468765 27978	476698 28752	495195 29284	1.69 3.22
MARINE FISH 40439 52361 51407 52421 54428 55219 57183 56002 57888 1.57 CRUST KOLUS* CENALOF 117 11 12 13 11 11 20 20 17 17 AQUATIC MARALS 231 2625 2479 2534 3093 3196 3150 3304 3027 1289 2.60 POLESST FROLUCIS 2/ SALICOS NOCONFEROUS 216040 220610 220510 2277 57420 612655 62952 635303 609181 574398 559526 599597 .26 SALICOS NOKONFEROUS 216040 220660 22317 237367 250172 25133 609181 574398 559526 379930 1.36 SALINCOD CONFFARZICLES 326171 358182 322266 323349 3150183 142107 1473174 150595 130246 326267 379330 1.32 2.63 SANINCOD CONFFARZICLES 328171 3160183 142107 1473174 11081 106318 163249 2.63 30433 321243 <td< td=""><td>PISHERY PRODUCTS 1/</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>	PISHERY PRODUCTS 1/												
SALLOGS CC NIF# BUUS SALLOGS KOMCON FFEBOUS SALLOGS KOMCON FFEBOUS PULPHOOP ARXICLES PULPHOOP ARXICLES POTATORS POT	MABINE FISH CBUST+ HOLLUS+ CEPHALOF AQUATIC MAMMALS AQUATIC ANIMALS	48439 6127 11 257	52361 6267 11 139	51487 6660 12 138	54742 7011 13 143	52913 7566 11 232	54421 7841 11 215	54858 6155 20 207	55219 8635 20 148	57183 8716 17 167	58602 9031 17 194	57888 8946	1.57 4.32
SALOGS NOLCONIFERIOUS 216070 226010 210742 232537 237367 250172 251353 254475 240137 227879 225625 .77 PULPOOD 1773569 1307800 1332716 1366695 1380183 1421027 1473174 1530595 1573112 1606318 1632267 370930 1.36 SANNOOD CONFERDUS 338033 321743 304700 323361 339163 340136 340136 328758 324752 308194 303323 340135 130 100103 110420 112730 11098 106411 107323 1.28 NOD-BASED FANELS 95217 8001 64710 102837 103045 1010171 103911 105555 100773 11584 123478 1.50 PULPYOON CK 148318 15053 130840 147512 152218 108101 165262 169598 170425 166440 174581 2.21 VESTERH EUGOPE 148318 156841 156854 142295 153175 168201 164353 177300 166086 181187 173647<	FOREST FROEUCES 2/												
AGRICULTUE ML PLODUCTS TOTAL CEREALS WHEAT ELCE PADDY HALLY ASDUE 150841 55535 15844 62735 146858 52959 142295 57132 153175 53490 168201 63943 164353 60256 177300 65202 166086 73629 181187 7331 173647 2.56 1.94 WHEAT ELCE PADDY HALLY HALLY HALLY HALLY HALLET AND SORGHUM 15044 523 1729 47514 1703 45665 153175 42574 168201 5503 164253 52830 177300 5239 166086 1508 181187 1706 173647 1508 1.94 MALLY HALZE MALLET AND SORGHUM 28904 47514 45665 42574 51197 52362 52830 57239 50777 53757 49859 1.76 MALLET AND SORGHUM 523 497 45665 42574 51197 601 761 642 613 559 508 456 .456 POTALOSE 56365 58655 47536 45160 55006 53172 51964 49387 48667 48446 42138 -1.82 POTALOSE 598 2054 1899 1573 1666 1766 1800 1881 1657 1869 2025	SAALOGS NONCONIPEROUS PULPWOOD+PAKTICLES FUELWOOD SAWNWOOD CONIFEROUS SAWNWOOD NCHCJMIPEROUS WOOD-BASED FAHELS PULP FOE PAPEA	216870 326171 1273569 338833 97515 95217 108743	226810 358182 1307890 321243 100564 88001 \$11615	210742 322668 1332716 304700 96710 84271 97358	232537 323349 1366695 329361 102837 95019 109756	237367 315612 1380183 339163 103045 101217 111097	250172 331980 1421027 340386 108103 103911 116321	251353 356501 1473174 338758 110420 105656 118493	254475 368842 1530599 324752 112730 100773 121119	240137 370206 1573112 308194 111098 100546 120691	227879 362267 1606318 303392 106411 95008 115814	225625 370930 1632899 340135 107923 103645 123478	.77 1.36 2.63 19 1.28 1.30 1.55
TOTAL CEREALS 150841 156844 146858 142295 153175 168201 164353 177300 166086 181187 173647 1.94 WHEAT 55535 62735 52959 57132 53490 63943 60256 69907 65202 73629 73731 2.96 ALCE PADDY 17784 1729 1703 1533 1311 1660 1831 1701 1550 1706 1508 51 MALEY 45046 47514 45665 42574 51197 523620 32364 31160 32418 35354 34266 2.89 MALEX 28960 26299 27412 24096 25539 28202 32364 31160 32418 35354 34266 2.89 MULLET AND SORGHUM 523 497 4986 45160 55006 53172 51984 49387 48667 48446 42138 -1.82 POTATORS 56245 58454 47336 45009 54856 51839 49387 48667 48446 42138 -1.82	NESTERN EUSOPE												
WHEAT 55535 62735 52959 57132 53490 63943 60256 69907 65202 73629 73731 2.56 alce paddy 1784 1729 1703 1533 1311 1650 1831 1701 1590 1706 1508 51 MALLEY 45046 47514 45665 42574 51197 53362 52239 57739 5077 49859 1.76 MAILEY 45046 47514 45665 42574 51197 53262 32348 31160 32418 35354 34266 2.89 MILLET AND SORGHUM 523 497 498 475 601 761 642 613 559 506 456 4.99 BOOT CROPS 55385 55555 47535 45160 55006 53172 51964 49387 48667 48446 42138 -1.82 POTITORS 55245 58421 47397 45009 54856 53025 51839 49237 48515 48293 41993 -1.83 <tr< td=""><td>AGRICULTUE ML PRODUCTS</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr<>	AGRICULTUE ML PRODUCTS												
POTATOES 56245 58421 47397 45009 54856 53028 51839 49237 48515 48293 41993 -1.03 TOTAL PULSES 1959 2054 1899 1573 1666 1766 1800 1881 1657 1869 2025 17 CITEUS FEUIT 6537 6666 6737 6802 6603 6267 6403 6462 6724 6629 8502 1.05 BANANAS 460 426 385 362 422 430 435 512 521 484 490 2.06 AFFLES 11591 9908 11473 10200 7658 10637 10636 10671 8536 12636 9178 60	WHEAT RICE PADDY BALLEY HAIZE	55535 1784 45046 28960	62735 1729 47514 26299	52959 1703 45665 27412	57132 1533 42574 24098	53490 1311 51197 29539	63943 1650 55362 28202	60256 1831 52830 32384	69907 1701 57239 31160	65202 1590 50777 32418	73629 1706 53757 35394	7 37 31 15 08 4 9859 3 4266	2.96 51 1.78 2.89
TOTAL PULSES 1959 2054 1899 1573 1666 1766 1800 1801 1657 1869 2025 17 CITEUS FEUIT 6537 6666 6737 6802 6603 6267 6403 6462 6724 6629 8502 1.05 BANANAS 480 426 385 362 422 430 435 512 521 484 490 2.06 AFPLES 11591 9908 11473 10200 7658 10637 10636 10671 8536 12636 9178 60													
CITEUS FEUIT 6537 6666 6737 6802 6603 6267 6403 6462 6724 6629 8502 1.05 BANANAS 480 426 385 362 422 430 435 512 521 464 490 2.06 AFFLES 11591 9908 11473 10200 7658 10636 10671 8536 12636 9178 ~.60													
	CITEUS FEUIT Bàna nas	480	6666 426	385	6802 362	6603 422	6267 430	6403 435	6462 512	6724 521	6629 484	8502 490	1.05 2.06

1/ NOMINAL CAPCH (LIVE WEIGHT) EXCLUDING WHALES 2/ EXCEPT FGL FULP FOR FAREE AND PAPER AND PAPERBOARD, ALL FOREST PRODUCTS ARE EXPRESSED IN THOUSAND CUBIC METAES ANNER TABLE 1. VOLUME OF PROLUCTION OF MAJOR AGRICULTURAL, FISHERY AND FOREST PEODUCTS

	1973	1974	1975	1976	1977	1978 AND METEIC	1979 : 1085	1980	1981	1982	1983	ANNUAL BATE OF CHANGE 1973-83 PEECENT
SOYBEANS GROUNDNUTS IN SHELL SUNFLOWES SZED RAPESEED COTTONSEED	26 18 842 1456 330	59 16 692 1611 351	47 19 858 1338 332	58 17 774 1388 300	78 19 1010 1330 337	85 20 1150 1729 326	102 21 1276 1696 284	66 19 1124 2536 333	1 18 15 11 38 2 524 3 66	233 15 1601 3285 288	306 20 1817 3071 308	21.19 31 8.55 9.45 72
SUGAR (CENTRIFUGAL, RAW)	12259	11179	1 29 16	13796	15427	15592	15795	15739	19081	18014	14835	4.01
COTTON LINI	167	175	165	148	173	165	146	178	196	156	169	.32
TCBACCO	350	329	401	446	391	409	440	401	435	443	426	2.14
TCTAL MEAT TOTAL MILK TCTAL EGGS WCOL GREASY	23254 124312 4857 163	25201 125486 4891 167	25154 126660 5019 150	25649 129261 5081 154	26316 132259 5154 152	27237 136902 5277 157	28470 139060 5327 156	29293 141864 5385 159	29635 142560 5490 157	29742 145609 5637 161	30133 149913 5540 164	2.57 1.95 1.51 .11
FISHELY PECDUCIS 1/												
FRESHWATER + DIADECMOUS MARINE FISH CRUST+ HOLIUS+ CAPHALOP AQUATIC MAMMALS AQUATIC ANIMALS AQUATIC PLANTS	169 10155 1013 6 5 230	178 10142 970 5 262	181 9777 1034 7 2 226	162 10880 960 7 4 210	182 10931 967 8 3 274	197 10261 975 8 5 280	205 10027 931 17 2 272	256 9950 1036 18 1 245	2 51 10001 1042 17 1 206	249 9506 1133 17 161	266 9707 1158 1	5.03 62 1.30 -19.52
FOREST PROLUCTS 2/												
SAULOGS CONFERENCES SAULOGS NORCON IFRENCES PULLWOOD APAFFI CLES FUELWOOD CONIFEROUS SAUNWOOD CONIFEROUS NOOD-HASED FAN ELS PULP FOR PAFER PAPES + PAFEFBOA ED	96406 24973 78597 39264 53227 13161 25343 25792 40032	93756 23841 88077 38372 51486 12313 24334 26400 41271	74687 20797 8€604 3€923 42€71 10€508 22€€7 222€1 33366	83972 20736 79816 36906 47330 11630 25135 23155 38628	871 £1 218 £5 73403 35346 49222 123 £5 25131 22447 392 30	89561 24084 75913 33944 49034 12538 25532 24224 41472	96073 23862 83932 35398 53617 12724 26598 26051 45174	97381 24240 83788 37013 54880 12437 26755 26034 44736	90790 23836 86444 38676 50555 11504 25710 25976 44699	89581 22281 84036 36805 49985 11296 24364 24574 43923	93641 21809 85575 38775 52972 11207 24612 26468 45550	.59 13 .42 .12 .67 65 .38 .63 2.03
USSE AND BASTERN EUROPE												
AGEICULTULAL PEODUCTS												
TOTAL CEREALS WHEAT AICE PADLY BARLEY MAIZE AILLET AND SORGHUM	287585 136681 1961 66993 29998 4573	263336 11876 2092 68374 28245 3180	208405 90542 2228 49605 27736 1330	293808 126017 2126 83290 30909 3514	266091 121253 2381 67038 30955 2231	312719 151590 2269 78108 29062 2408	25 1009 11 35 66 25 84 629 27 329 20 17 44	264202 127682 2935 59219 30695 2077	234582 106325 2576 54313 30376 1685	261663 116460 2681 57740 37348 2179	27 11 16 10 9920 2684 69702 366 57 24 58	21 44 3.44 86 2.24 -4.62
ROOT CHOPS POTATORS	181029 181025	153757 153754	1 5 1 1 4 5 1 5 1 1 4 1	152736 152734	145232 145229	154405 154403	163116 163113	111272 111270	1354 <i>0</i> 3 135399	1 29 664 1 29 66 1	13 57 10 13 57 07	-2.6£ -2.£6
TOTAL PULSES	9202	9588	6149	9328	8231	8620	50 52	7132	6456	7475	7519	-2.59
CITEUS FEUIT Apples	58 8156	127 7348	160 8744	134 10436	234 10946	2 0 4 8967	340 11301	160 8565	314 9998	284 13272	412 12738	15.41 4.28
VEGETABLE CLLS.OIL EQUIV SOTEBANS GEGUNDNUTS IN SHELL SUNFLOWES SLED RAPESEED COTIONSEED	5075 711 3 8768 966 4714	4790 710 3 7983 983 5170	42 57 11 11 5 6340 1312 4863	4455 834 6665 1531 5066	4688 862 4 7393 1285 5366	4477 1012 5 6793 1306 5210	4437 1042 6 7208 574 5615	4365 1118 7 6328 1226 6100	4365 907 9 6636 1097 5901	4675 1097 9 7350 1064 5687	4556 894 86880 1304 5742	60 2.82 12.56 -1.39 .03 2.17
SUGAE (CENTRIFUGAL, RAW)	13758	11817	12112	11597	13881	13641	12406	10974	10956	12 50 8	13369	40
TEA	75	8 1	86	92	106	111	1 18	130	137	140	146	7.25
COFION LINI JUFE AND SIMILAR FIBRES	2496 45	2497 39	2667 36	2597 49	2709 47	2744 44	2514 48	2816 52	29 0 5 45	2800 50	2598 55	•92 2•59
TOBACCO	616	606	646	712	608	567	6 27	545	574	637	677	17
TOTAL MEAT Total Nilk Total Eggs Wool Gefasy	21 493 125537 4341 527	23284 125963 4642 558	24099 128588 4825 566	22262 127514 4769 534	23828 134505 5174 567	25044 135208 5397 578	25250 133855 5486 573	25100 131396 5605 559	24877 127757 5808 574	24760 129346 5855 571	26027 137580 6029 583	1•46 •43 3•24 •68
FISHERY PRODUCTS 1/												
FRESHWATER + DIADRCAOUS MARINE FISE CRUST+ BOLIUS+ CEPHALOP AQUATIC ANIHALS	1201 8505 105 5	1072 9393 131	1339 9997 158	1068 10333 109	1089 9226 248	1037 8723 218	1137 8621 437	1078 9062 565	1122 9117 540	1186 9293 731	1217 9518 427 1	08 21.52
POREST PRODUCTS 2/												
SANLOGS CONTREBOUS SANLOGS NO ECON IFEROUS PULPHOOD+FAETICLES FUELWOOD	164877 35065 59446 98871	1 63360 34896 62358 99247	17 1306 36349 58856 96449	166669 35247 57328 97054	164533 35079 57068 94835	158643 34599 55829 92080	154849 33545 55277 91236	155724 33594 55592 92384	155658 33619 55666 96375	1 53 52 0 33 10 9 56 52 4 99 28 4	154911 33104 57531 99293	94 79 73 11

1/ NOMINAL CATCH (LIVE WEIGHT) EXCLUDING WHALES 2/ EXCEPT FGL FULP FOR PAFER AND PAFES AND PAPESEOARD, ALL FCBEST FEODUCTS ARE EXPRESSED IN THOUSAND CUBIC METRES ANAEX TABLE 1. VOLUME OF PRODUCTION OF MAJOF AGRICULTUSAL, FISHERY AND FOREST PRODUCTS

	1973	1974	1975	1976	1977	1978 AND METBIC	1979 : TO 55	1980	1981	1962	1983	ANNUAL BATE OF CHANGE 1973-83 PERCENI
SAWNWOOD CCKLPEIOUS SAWNWOOD NCNCONIPAIGUS WOOD-EASED PAN RLS PULF FOR PAPEA PAPEA+FAFEFEGA RD	117331 20524 12474 9456 12267	116371 20382 13690 10192 12814	117612 20492 14853 10546 13495	114640 20031 15523 11129 14079	110966 19551 16518 11348 14428	108612 19365 17095 11654 14520	102829 18638 17005 11041 13589	101494 18260 17464 11192 14102	100809 16269 17598 11340 14264	100153 18060 18023 11637 14356	112325 1 8300 1 5189 1 1920 1 4427	-1.44 -1.48 3.73 1.73 1.28
NOETH AMERICA DEVELOPED												
AGAICULTUEAL PRODUCTS												_
TOIAL CEREALS HEBAI HIGE PALLY DARLEY MAIZE MILLET AND SORGHUM	274331 62720 4208 19312 146845 23451	235557 61600 5098 15293 122040 15617	286554 74967 5826 17765 152006 19161	303112 82066 5246 19852 163511 18055	308372 75529 4501 21115 169464 19837	318610 69459 6040 20298 189092 18575	338726 75277 5965 16821 206659 20509	311335 84092 6629 19257 174400 14716	38 1936 100606 8289 24033 21 2895 22247	386618 101986 6969 25198 215693 21212	255065 92446 4523 21376 111756 12173	2.42 4.53 3.16 2.98 2.07 -1.83
ROUT CECES Potatces	16220 15665	16652 18042	17398 16810	19176 18570	19186 18642	19728 19129	1 88 97 182 88	16715 16215	18623 18041	19408 18757	1 82 52 1 77 0 1	•60 •63
TOTAL PULSES	1915	1303	1146	1115	948	1 30 3	1297	1675	1954	1716	1178	4.24
CITEUS FRUIT BANANAS	12604 3	12167 3	13237 3	13415 2	13827 3	12932 3	1 20 92 2	14954 2	13703 3	10.93.4 3	1 23 44	31 -2.98
APPLES	3216	3391	3676	3345	3468	3898	4129	4557	3939	4 1 59	4256	2.82
VEGETABLE CLLS, JIL ZUUIV SOYBEANS GECUNDRUIS IN SHELL SUMFLOWEF SIED SAPESZED COTIONSEED	9941 42514 1576 394 1207 4550	8113 33383 1664 298 1163 4091	\$967 42507 1745 \$74 1839 2919	8243 35321 1696 487 837 3739	11853 48678 1690 1411 1973 5009	12836 51376 1793 1846 3497 3873	1 57 56 621 83 1800 35 28 34 11 52 42	11687 49635 1044 1863 2483 4056	1 32 51 5 4 7 42 18 06 2 200 18 49 58 03	14346 60459 1560 2513 2226 4304	10911 45241 1495 1503 2632 2791	4.29 4.05 -1.20 23.08 8.76 .02
SUGAE (CENTEIFOGAL, EA.)	5344	5048	6443	6170	5403	5482	5167	5438	5784	5384	5190	46
CCFFEE GBEEN	1	1	1	1	1	1	1	1	1		1	-2.68
COTTON LINI	2825	2513	1807	2304	3133	2364	3185	2422	3406	2605	1692	36
TOBACCO	907	1019	1096	1051	973	1034	771	51E	1047	\$ 7 5	760	-1.54
TCÍAL MEAT Total Milk Tcíal Eggs Wocl Greasy	23011 60052 4214 73	24492 60062 4191 65	23877 60095 4128 55	25825 62205 4115 51	26019 63384 4125 50	25869 62716 4276 48	2 6 1 3 8 6 3 6 5 3 4 4 17 4 9	26990 66153 4463 49	27394 68339 4456 5 1	26829 69857 4442 49	27777 71542 4348 47	1.6£ 1.83 .77 ~3.31
FISHERY PECDUCTS 1/												
FRESHWATER + JIADROHOUS BALINE FISH CRUST+ MOLIUS+ CEPHALOF AQUATIC ANIMALS AQUATIC PLANTS	338 2485 1913 4 180	309 2449 1057 6 224	264 2491 1075 6 198	328 2685 1130 9 169	356 2507 1272 9 195	396 2964 1347 11 196	433 3040 1376 10 195	476 3075 1350 2 191	502 3104 1558 2 78	486 5503 1378 10 103	497 3654 1319 10	6.20 4.16 3.64 1.13
FOREST FROEDCES 2/												
SAWLOGS CONTFEROUS SAWLOGS NONCONTFEROUS PULPWOOD+PHETILES PUELWOOD SAWNCOD CONFEROUS SAWNCOD CONFEROUS WOOD-BASED PANELS PULP FOR PAPER PAPEL+PAPEREDARD	255365 41472 149291 20764 109561 17896 36275 58004 65549	237683 37932 165000 21663 96191 17626 31038 59139 65758	222108 32125 132931 22907 87609 14831 28739 45977 55315	267372 34953 139779 23891 106334 16373 33860 59449 63546	278553 36846 136788 35679 113629 16614 37274 60716 65498	299879 40908 146956 51645 116369 17282 37288 63280 68440	29 82 66 4 27 27 1572 82 7 19 33 1 138 41 1 84 32 3 66 49 6 3 1 06 7 0 8 96	260961 43206 163894 95576 100326 18650 31026 64443 70229	238854 39834 164429 107410 92422 17087 31919 64986 71503	228104 29434 156026 107410 88333 13039 26790 60582 67307	26 22 45 3 5554 16 10 24 10 74 10 1 10 6 61 1 53 08 3 3 2 42 6 55 20 7 21 57	.19 51 1.14 22.96 22 -1.08 82 1.55 1.49
OCEANIA DEVELOFED												
AGRICULTURAL PRODUCTS												
TOTAL CEEEALS WHEAT AICE FADIY BARLEY MAIZE MILLET AAD SORGHUM	17795 12363 309 2655 257 1044	16974 11572 409 2755 194 1096	18419 12162 388 3442 291 923	18374 12213 417 3132 316 1151	15312 9724 530 2655 355 975	26C84 18415 490 4265 305 747	24140 16483 692 3967 348 1162	17132 11162 613 2910 307 936	2 44 96 1 66 86 7 28 3 7 21 3 25 1 2 31	15045 9168 854 2295 382 1350	32793 22384 548 5732 316 987	3.46 3.08 8.26 3.33 3.71 1.08
ROOI CRGPS Foratoes	1003 991	870 857	977 967	953 945	1008 999	1027 1010	1012 1001	1091 1071	10 89 10 75	1168 1157	1119 1108	2.14 2.14
TOTAL FULSES	93	127	157	189	106	120	175	20 9	2 25	315	417	12.44
CIFRUS FROM BANANAS Apples	401 125 574	434 118 487	458 103 527	428 115 447	461 98 447	496 113 444	4 89 1 25 5 2 5	566 124 510	509 130 549	533 131 520	495 133 499	2.59 1.65 .10
VEGETABLE CLLS,OLL EQUIV SOVEEANS GECUNDNUTS IN SHELL SUNFLEWEE S&ED	85 38 38 102	9 1 64 29 84	98 74 32 113	74 45 35 80	86 55 32 75	140 77 39 158	159 59 62 186	120 62 39 142	126 73 43 139	122 77 58 115	112 53 23 104	4.54 3.91 1.81 3.70

1/ NOMIBAL CATCH (LIVE WEIGHT) EXCLUDING WHALES 2/ EXCEPT FCL PULP FOG FAPER AND PAPEE AND PAPERBOARD, ALL FGREST PRODUCTS ARE EXPRESSED IN THOUSAND CUBIC METGES ANNEX TABLE 1. VOLUME OF RECEVCTICE OF MAJOR AGEICULTURAL, FISHERY AND PREEST RECOVERS

	1973	1974	1975	1976	1977	1978 ND HETRIC	1979	1980	1981	1982	1983	ANNUAL BATE CF CHANGE 1973-83 PESCENT
BAPESEED CCTTONSEED	11 53	9 50	12 54	9 41	16 45	24 72	41 79	18 136	15 161	7 21 9	17 164	3.85 17.61
SUGAR (CENTEIP UGAL, RAW)	2526	2848	2855	3296	3318	2902	2963	3.33 0	3435	3 50 0	3075	2.08
COLTON LINE	31	31	33	2 5	28	44	53	EB	S 9	134	101	17.89
TCBACCO	20	20	18	18	19	19	19	18	17	15	17	-2.14
TCIAL MEAT TCIAL MILK TCIAL EGGS Wool GREASY	3646 13237 265 1944	3189 12654 259 986	3525 12773 268 1088	4032 12984 263 1066	4051 12582 264 1005	4303 11724 274 968	4096 12202 268 1025	3799 12098 264 1066	3814 11958 276 1082	3904 12067 272 1080	3979 12458 269 1073	1•25 78 .36 .46
FISHERY PRODUCTS 1/												
PRESHWATES + DIADAGAGUS MAHINE FISH CAUST+ HOLLUS+ CAPHALOP AQUATIC ANIMALS AQUATIC PLANES	4 116 70 6	4 123 77 4	5 98 70	4 10 5 7 1 1	5 128 73	5 135 72	5 146 85	4 175 109	3 188 116	1 152 119	1 182 126 1	-9.70 5.80 6.79 2.53
FOREST FROEUCE'S 2/												
SALLOGS CONTEXEOUS SALLOGS NO KONTEXEOUS PULPWOOD + PAFFICLES PULPWOOD + PAFFICLES SANAACOD CONIFELOUS SANAACOD CONIFELOUS MOOD-BASED FAA FLS PULP FOG PAPLA FAPEL+ PAFEEBOA RU	8339 6902 5374 1396 2836 2462 933 1326 1686	6537 7240 5006 1710 2882 2533 588 1505 1732	6356 6490 7613 1711 2821 2505 920 1524 1697	7595 6631 7191 1721 3067 2430 1054 1660 1761	7178 6518 8596 1715 2917 2340 1043 1712 1890	6913 6336 8335 1636 2559 2063 1059 1695 1867	7021 5646 8330 1447 2743 1986 1073 1693 1942	8443 5631 9890 1458 3101 2069 1166 1815 2104	8607 6077 10177 1812 3370 2145 1215 1908 2151	8367 5725 9513 2118 3414 2013 1230 1887 2168	8029 4568 9888 2518 3141 1593 1059 1813 2100	1.74 -3.17 6.66 3.21 1.54 -3.65 2.37 3.06 2.86
AFRICA DEVELOPING												
AGAICULTURAL PRODUCTS												
TOTAL CEREALS WHEAT AICE FADLY BARLEY MAIZE AILLET AND SORGOUM	39800 4680 4977 2634 12095 13974	45398 498E 5470 3669 14417 \$5775	47609 5388 5689 3324 15546 16373	49583 576£ 5705 4699 15845 16234	44911 3645 5684 2468 15482 16404	49444 4790 5852 3894 15700 17796	47895 4630 5988 3752 13984 17842	49283 5386 6241 4487 13982 17465	4 87 91 44 56 63 25 31 82 157 24 1 76 40	51244 5646 6200 4452 15562 17622	4 52 29 48 78 5 9 5 9 3 1 8 2 1 48 7 1 1 47 68	1.14 .21 1.79 1.76 .93 1.07
ROOT CECPS POTATCES CLSSAVA	69481 2023 39504	72161 2121 40816	756E3 2441 43665	76622 2655 44202	76514 2667 44052	78152 2988 44065	75940 3069 449E0	62136 3192 46792	840 17 2875 481 93	86716 3577 45138	82790 3690 46927	1.93 5.70 1.87
TOTAL FULSES	4281	4612	4943	5210	4621	5050	5191	4865	49.32	5487	5397	1.67
CITEUS FRUIT BANANAS APPLES	2615 3502 50	2636 3801 52	2417 3717 59	2394 3945 56	2486 3904 61	2696 3951 61	2490 4117 64	2616 4290 73	25 45 42 30 79	2504 4291 81	2465 4331 89	15 1.96 5.70
VEGCTABLE CLLS JOLL EQUIV SCYLEANS GROUNDNUTS IN SHELL SUNFLOWEE SZED AAPESEED COTTONSLED COTTONSLED COPEA PALH KEENELS	3609 98 3462 78 21 1018 152 636	3501 99 4079 84 21 1008 149 742	4112 112 4249 100 21 872 146 728	4034 132 4465 124 22 932 168 704	3663 147 3268 148 22 947 162 698	3768 151 3740 156 22 941 170 597	3731 162 3420 149 21 904 182 763	3818 206 3168 135 22 \$12 180 736	3903 1 69 37 88 1 32 22 8 76 1 73 7 42	4016 217 3685 125 22 905 172 741	3700 201 2895 149 23 972 173 733	8.93 -1.88 5.45 .62 67 1.81 .76
SUGAR (CENTEIPUGAL, HAW)	2921	2916	2822	3110	3046	3355	35 24	3 5 2 7	3695	3887	3898	3.51
COFFEE GEDEN CCCCA BEANS TRA	1380 965 155	1267 1025 151	1315 1004 152	1175 860 157	1245 944 192	1079 902 203	1130 1033 199	1162 1024 185	1265 1960 193	1227 852 206	1237 880 221	82 54 3.75
COPIGN LINI Jute and Similar Fibles SISAL	536 12 330	530 11 350	466 11 260	504 E 223	505 7 204	502 8 175	464 8 166	517 8 163	481 8 160	500 9 152	544 8 136	05 -2.85 -8.55
TCBACCO NAFLAAL RUEBSE	188 229	1 94 234	221 222	249 204	225 206	224 196	2 58 1 93	271 194	223 200	248 189	268 194	2.84 -1.97
TCFAL MEAT TCFAL HILK TCTAL EGGS 4001 GREASY	3705 6352 428 75	3709 6317 447 72	3830 6651 476 72	3977 6879 514 76	4207 7156 544 67	4373 7478 567 69	44 E4 76 95 6 0 6 70	4625 7631 644 73	4748 7799 676 74	4671 6134 730 73	4971 8399 768 75	3.30 2.92 6.09 .06
FISHERY PACLUCIS 1/												
PEISSINATEE, + LIADACHOUS MAAINE FISH CHOST HOLLUS+ CEPHALOE ACUATIC ANIMALS AQUATIC FLANTS	1259 1962 46 1 7	1249 1641 56 1 5	1288 1586 56 1 6	1342 1547 62 1 51	1406 1569 56 1 5	1363 1623 66 1 5	1343 1525 66 1 5	1302 1551 85 1 5	1289 1662 83 1 5	1308 1681 116 1	1296 2149 119 1	•21 •14 9•27 -2•60

1/ NOMINAL CALCH (1193 NEIGHT) EXCLUDING WHALES 2/ EXCEPT FOR FJLP FOR PAPER AND PAPER AND PAPEREOAPD, ALL FOREST PEODUCIS ARE EXPRESSED IN THOUSAND CUBIC METRES ANN BY TABLE 4. VOLUME OF PECLUCTICA OF MAJOA AGRICULTUBAL, FISHERY AND FOREST PRODUCTS

	1973	1974	1975	1976	1977	1978	1979	1980	1981	1962	1983	ANNUAL RATE OF CHANGE 1973-83
	• • • • • • • • •	• • • • • • • • • • •		• • • • • • • • • •	THCUS	AND METRIC	TONS	• • • • • • • • • •	•• •• •• •• ••	• • • • • • • • • • •		PEBCENI
FORSET FROIDELS 2/												
SAMLOGS CONTELEOUS SAMLOGS CONTELEOUS PULPACODEPARTICLES FUELMOOD SAWAGCD CONTELEOUS SAWAGCD CONTELEOUS WCOD-BASED FANELS PULP ICE PAPEL PARELEPAPESEOAED	1042 16643 1375 275940 403 3000 751 245 186	1087 14370 1496 263641 429 3210 765 251 195	1030 13697 2137 291712 445 3350 634 263 218	1137 15661 2213 300251 506 3244 747 292 215	1292 16385 2255 311378 525 3473 838 278 265	1316 17242 2610 320335 457 4415 860 300 282	1032 17978 2171 326899 492 4547 867 354 345	1336 19457 2002 339412 508 5403 897 644 351	1376 18421 2018 349322 571 5346 914 678 355	1575 16069 2047 359685 587 5423 544 682 362	1249 17610 2029 368580 534 5424 1003 703 365	3.10 2.41 2.56 2.59 3.09 7.30 3.50 13.51 8.07
LATIN AMERICA												
AGRICULTURAL PRODUCTS												
TOTAL CERFALS WHEAT AICE PADDY BAALEY MAIZE MILLET AND SONGHUM	74852 12094 11803 1665 37820 9899	78409 13474 12242 1245 39579 10780	80546 14971 14036 1556 38273 10510	86256 19336 15416 1883 37388 10984	86094 11540 15104 1376 43729 13216	85303 14969 13420 1716 40150 13728	84081 15103 14435 1330 39751 12264	88459 14855 16403 1315 45276 9542	104464 15179 15599 1277 55382 16038	105318 22721 17483 1177 47986 14738	98593 19441 14813 1199 46869 14995	3.11 3.94 2.72 -2.89 2.99 3.93
ROOT CRCPS Potatoes Cassava	45137 8585 31988	45115 9969 30925	45735 9260 32106	45182 9739 31325	46034 10103 31965	46484 10903 31579	45594 10989 30935	43693 10361 29880	46057 11853 30834	45600 11869 30289	41756 10096 28071	36 2.26 85
TOTAL FULSES	4547	4642	4712	3913	4609	4722	4605	4335	535 1	5604	4377	1.05
CITEUS FEUIT BANANAS AFPLES	10597 17337 680	11290 17404 1297	11892 17029 1090	12795 17657 1198	13413 18414 1329	13814 18158 1449	14528 17740 1670	16986 18589 1651	17594 18915 1682	18159 18630 1760	17520 18287 1705	5.83 .84 7.53
VEGETABLE CILS, JIL EQUIV SOY DEANS GLOUDENUTS IN SHELL SUNFLCHEE SLED RAPESEED COTTONSEED COFFA PALM KEENELS	3642 6100 1244 1030 46 3244 232 277	4218 9180 975 1033 41 3426 220 289	4386 11410 1049 804 68 2771 224 275	4654 12643 1056 1192 111 2354 229 297	5389 14960 1157 955 91 3369 232 311	5240 12527 1012 1717 61 3220 236 298	5822 15464 1381 1550 75 3098 214 324	6476 19614 1080 1756 96 2958 234 326	62 58 203 97 915 13 51 64 2789 225 3 12	6 132 1871 6 879 2066 32 2448 227 321	6498 20208 734 2458 17 2317 223 309	5.79 11.03 -2.92 9.46 -5.86 -2.37 06 1.44
SUGAL (CENTRIFUGAL, RAN)	23261	24488	23793	25947	27256	26933	26295	26391	270.59	28967	28578	1.91
COPFBE GALAN Cocca beans Tea	2446 397 40	3136 476 44	2854 497 51	1905 432 44	2673 459 52	3096 520 39	3261 573 44	2964 552 51	4078 563 39	2992 629 49	3686 502 58	3.72 3.97 1.49
COTTON LINI JUTE AND SINILAR PIBRES SISAL	1839 113 293	1954 90 324	1565 108 341	1341 127 167	1898 114 241	1809 100 218	1729 114 246	1652 112 257	15 58 132 2 55	1 32 5 9 1 26 6	1320 89 198	-2.60 67 -2.66
TOBACCO NATURAL RUEBEA	567 33	670 29	676 33	727 35	740 38	768 40	757 43	734 42	6 84 48	755 52	723 54	1.66 5.98
TCTAL NEAT TOIAL NILK TOTAL EGGS WOOL GEEASY	10808 27239 1621 303	11092 28912 1657 300	31717 31110 1792 300	12512 32891 1889 298	13165 32219 1997 315	13686 32745 2204 300	13783 33951 2402 304	14300 35169 2585 308	14977 35922 2662 316	14999 35169 2696 319	14867 35844 2761 325	3.56 2.55 6.19 .70
FISHERY FACDUCTS 1/												
FRESHWATER + DIADRCHOUS NALINE FISH CEUST+ HOLLUS+ CEPHALOP AQUATIC MAIMALS AQUATIC PLANTS	200 4479 437 49 81	254 6727 41 E 38 90	269 5854 425 51 80	243 7443 486 25 92	267 6023 472 61 112	295 7915 575 52 90	262 9111 634 54 128	325 8670 537 66 124	393 9479 535 48 162	433 10431 547 37 30	348 8064 605 30	6.19 6.43 3.60 85
FOREST PROIDCES 2/												
SAALOGS CONIFEROUS SAALOGS NOKCONIFEROUS PULENOOD+PARTICLES PUELMOOD SANNAOCE CONIFEROUS SANNAOCE KONCHIFEROUS WOOD-BASED PAMALS PURP FOR PAPER PAPEK+PAPERLOAED	16359 19522 9080 197138 7063 8477 2536 2165 4698	16315 19533 9866 202767 7430 8807 2629 2423 5198	19171 21948 11556 206724 9051 9747 2795 2357 4787	21677 23044 12913 212123 9695 10843 3132 2713 5297	23841 23700 13667 217254 10541 11725 3377 3061 5536	22869 23913 19804 224079 11289 11531 3521 3535 6248	25673 26290 26631 230479 12149 12167 3748 3710 7006	31533 29194 29264 235515 11537 13737 4368 4605 7721	26246 26233 29054 240363 11485 14497 4512 4467 7436	25732 27420 28660 248248 10756 13583 4502 4908 7710	25671 27257 2663 253507 11088 13562 4536 5298 7969	5-48 3-96 14-70 2-57 4-59 5-40 6-83 9-93 6-12
NEAH EAST LEVELOPING												
AGRICULTURAL PRODUCTS												
TOTAL CEREBLS WHEAT RICE PAIDY BAILEY GAILEY	40613 21230 4447 5171 4476	44529 24353 4304 6252 4772	51492 28386 4602 7841 4946	56134 31318 4741 8935 5341	51582 29206 4564 7478 5097	54318 30324 4798 8247 5542	54750 30623 4749 6163 5349	55700 30E2E 4434 9547 5600	59753 32094 4835 10708 5574	58541 32467 5039 10619 5775	56746 31666 5040 9875 5377	3.01 3.26 1.20 6.10 2.50

1/ NOMINAL CAICH (LIVE REIGHT) BECLUDING WHAIFS 2/ EXCEPT FOR PULP FOR PARTE AND PARTE AND PARTHEOMED, ALL FOREST REPORTS ARE EXPRESSED IN THOUSAND CUBIC METHES

	1973	1974	1975	1976	1977	1978 AND METRIC	1979 : 1015	1980	1981	1982	1983	ANNUAL BATE CF CHANGE 1973-83 PESCENT
MILLET AND SORGHOM	3950	3674	4319	4416	3947	4195	4664	4217	55 0 5	3744	5317	
BOOT CÉOPS POTATCES CESSAVA	4634 4250 140	4625 4252 92	4856 4427 130	5687 5280 99	5825 5432 95	5902 5494 103	6520 6031 127	7243 6782 122	7555 7088 125	7820 7316 125	7800 7304 125	6•21 6•47 1•14
TOTAL PULSES	1498	1730	1618	1854	1875	1707	1663	1830	18 30	2197	24 11	3.29
CITLUS FLUIT BANANAS Applus	2884 280 1245	3140 300 1335	3104 302 1393	3174 297 1626	32 84 321 1585	3428 301 1850	3743 300 2149	3 685 332 2 197	36E0 332 2204	4 10 4 37 2 2 47 1	4237 353 2613	3.64 2.25 7.95
VIGETABLE CILS,OIL BQUIV SOYDEANS GROUNDRUIS IN SHELL SUMFICMEE SSED RAPESEED COTIONSEED	1285 30 655 616 1 2779	1563 47 984 487 1 3036	1429 82 1040 541 2523	1535 123 870 612 6 2341	1428 119 1145 506 14 2609	1551 197 923 524 13 2458	1399 195 977 634 43 2321	1 €72 145 814 794 12 2280	13 33 2 17 8 41 6 20 6 21 86	1535 282 605 643 2 2286	1346 314 570 757 2 2530	•09 22•53 -3•19 3•03 17•07 -1•98
SUGAL (CENTEIF UGAL, HAW)	2221	2323	24.55	2846	2671	2586	25 53	2213	3102	3770	3888	4.54
COFFEL GLEIN TEL	4 66	4 57	477	4 82	4 102	5 109	5 123	4 123	4 76	4 106	4 135	5.59
COTION LINT JUFL AND SIMILAR FIBRES	1608 15	1763 12	1453 14	1364 14	1520 13	1456 13	13E3 13	1364 13	1318 13	1379 13	1450 13	-1.70 57
TCBACCO	215	240	245	360	301	344	274	29E	2.35	275	297	1.32
TCIAL MEAT TOIAL MILK TOIAL EGGS Wool greasy	2577 12021 433 146	2710 12489 499 157	2853 12868 574 162	2923 13344 624 164	3109 13420 708 165	3226 14150 757 159	3355 14679 704 165	3454 14875 739 169	3678 15328 838 169	3916 15075 925 181	3981 15714 973 184	4.48 2.69 7.53 1.76
FISHEBY PRODUCTS 1/												
PEZSHWATEL + DIADZOHOUS MABINE FISE CRUST+ MOLLUS+ CZPHALOP AQUATIC MARMALS	130 490 35 3	128 675 28 2	135 625 27 2	134 608 42 2	132 489 41 2	140 559 28 2	161 701 37 2	175 783 41 2	176 809 38	183 820 34	188 901 33	4.47 5.10 1.20
FOREST PRODUCES 2/												
SAWLOGS CC MIFE ROUS SAWLOGS MOKCON IFBACUS PULPWOOD+PAFTICLES PUBLWOOD SAWNWOOD CONFFREOUS SAWNKOOD NORCONTFREOUS WOOD-BASED PAN HLS PULP FOB PAFEA PAFEA+PAPFEBOARD	42 59 1626 1133 61731 2297 750 409 311 595	4569 1805 1363 65146 2281 733 430 268 606	4770 1287 869 71465 2278 693 512 247 675	4796 1314 907 77413 2916 646 615 228 587	5265 1442 984 54059 2932 871 761 252 629	5216 1859 1003 54600 4104 1146 797 165 560	4718 1523 1043 57552 4114 1146 843 276 737	4964 1315 672 59647 4127 1139 731 273 773	5218 1366 714 59429 2972 1121 723 265 832	2765 1255 712 60625 3254 917 721 265 776	2777 1125 714 61900 3787 910 756 265 775	-3.50 -2.75 -5.34 -1.37 5.37 4.36 6.20 19 3.37
FAR EAST DEVELOPING												
AGAICULTUN ML PRODUCTS												
TOTAL CEREALS WHEAT HICE FADLY HARLEY MAIZE MLLET AND SORGHOM	225374 32714 150730 3976 15956 21770	211527 29932 143463 3943 15494 18462	238844 32394 162664 5018 17617 21049	233679 38288 152734 5127 16303 21142	251972 38904 171464 3321 15498 22657	267197 41013 181118 3820 18040 23122	250642 46459 162613 3819 16989 20681	273388 44140 186699 2593 19187 20683	290085 49540 193605 3366 20264 23207	275965 50449 184121 2938 18108 20256	316348 57212 208494 2906 22321 25325	3.37 6.20 3.22 -4.59 2.90 1.17
BGOL CBCP5 POTATCR5 CLSSAVA	41040 6534 24710	43679 6931 27435	45728 8672 27805	49984 9763 31374	51265 9447 33410	56452 10334 37778	55113 12458 34177	5756E 10921 39408	60215 12347 40181	59276 12870 39101	58078 13143 37145	3.85 7.09 4.69
TOTAL PULSES	12731	11499	12451	14642	13780	13953	13696	11117	1 28 52	13434	1 47 86	.83
CIPAUS FAUIT BANANAS AFPLES	2354 8707 765	2469 9001 806	2626 9445 829	2698 9819 891	3550 11291 989	3045 12270 1070	30 52 1 52 84 1 208	3272 13572 1179	3608 144 <i>6</i> 4 1493	3554 13367 1558	3602 13824 1644	4•43 5•59 8•51
VEGETABLE CLLS, OIL 2001V SOYEEANS GEOUNDRUIS IN SHELL SUNFLONED SHED NAPESEEL COTIONSEED COPEN PALM KEEKELS	8936 907 7099 1 2221 3786 3209 234	8951 1033 6353 1 2130 3932 2789 292	10513 1167 8180 1 2650 3411 3850 341	10503 1093 6576 1 2350 3075 4577 365	10892 1095 7494 3 1996 3711 4000 430	11363 1344 7711 13 2342 3747 4113 470	11627 1455 7156 47 2273 4227 3493 600	11771 1491 6442 41 1622 4207 3726 691	13497 1552 8774 91 2399 4413 3891 738	14202 1420 6943 211 2762 4401 3986 1068	14542 1595 8976 282 2583 3572 4291 1019	4.96 5.47 1.51 90.80 1.02 1.55 2.18 16.15
SUGAE (CENTETF UGAL, RAW)	8596	9585	10539	11177	12443	13562	12912	9722	12090	18047	17045	5.72
COFFEE GELIN COCCA BEANS TEA	314 16 750	312 20 807	385 22 814	387 25 827	436 30 891	563 34 897	525 40 850	608 48 506	619 70 923	635 84 892	548 95 949	7.68 19.72 1.72
CC2ION LINI JUTE AND SIMILAR FIBLES	1893 3158	196 <i>6</i> 2341	1706 2278	1538 242 E	1856 2641	1874 3208	2114 3171	2104 2770	2190 2718	∠201 2472	17 86 2544	1.53 .10

1/ KOHINAL CAICH (LIVE WEIGHI) EXCLUDING WHALES 2/ EXCEPT FCA PULP FOF PAPER AND PAPER AND PAPEREOAFC, ALL FCREST FRODUCIS ARE EXPRESSED IN THOUSAND CUBIC HETKES

	1973	1974	1975	1976	1977	1976 AND HEIRIG	1979 C TONS	1980	1961	1962	1983	ANNUAL BATE CF CHANGE 1973-83 PEECENT
TCBAUCO	853	\$20	850	845	1001	1060	1003	\$51	951	1089	1176	2.73
NAFURAL KUEBSE	3115	3092	3210	3442	3254	3317	3474	3340	33 44	3340	3524	.96
TCIAL MEAT TCIAL MILK TCIAL EGGS WOOL GREASY	3842 33423 1110 60	3944 35020 1224 62	4112 36561 1316 65	4251 36351 1395 65	4361 39815 1510 73	4640 40853 1673 75	5072 42175 1818 79	5316 43416 1970 84	5584 45299 2051 81	5898 470∂6 ⊿149 64	61 59 4 67 66 22 4 7 86	5.11 3.72 7.53 3.84
FISHEEY ENCLUCIS 1/												
FRESHWATES + DIADRCNOUS MAINE FISH CRUST+ NOLIUS+ C2PHALGP AQUATIC ANIMALS AQUATIC FLANIS	2389 6219 1241 89 245	2474 6761 1219 28 376	2304 5916 1437 25 282	2311 7027 1681 50 317	2362 7815 1809 106 379	2365 7532 1815 91 354	2402 7844 1986 82 373	2 53 7 7 7 7 6 2 0 9 8 2 9 4 4 2	2834 82 11 21 50 60 5 37	2841 8761 ∡062 58 361	2886 6788 2125 221	2.13 3.22 6.12 9.59
FOREST PRODUCTS 2/												
SARLOGS CONTRESOUS SARLOGS NONCON IPEROUS PULPECOD+PARTICLES FUELECOD SARRHOOD CONIFEROUS SARRHOOD CONIFEROUS MOD-FASED PARES PULF FOE PAPER PAFEL+FAPEFBOAED	2096 53024 2623 403909 1547 12125 4027 470 2062	2771 66645 3058 413304 1972 16829 3372 503 2160	3116 60337 2810 423373 1657 16024 3691 457 2185	3151 75990 2851 432716 1953 20545 4110 543 2335	4055 76213 3033 442061 2810 22138 4954 568 2915	3105 81281 3027 451515 3006 23557 5443 650 3351	4000 76861 2957 461032 3454 23460 5504 720 3766	4141 76545 3096 470716 3148 25133 5319 691 3514	3902 57630 2831 480500 3704 25389 6023 781 4084	3629 68738 2967 490306 3698 26436 6750 833 4084	3733 6 1947 3206 5004 14 4086 2 6098 7563 759 44 14	5.00 1.07 .96 2.15 10.12 6.69 7.56 6.28 9.04
ASIAN CENT PLANNED BCON												
AGEI CULTUF AL PRODUCIS												
TOTAL CELEALS WHEAT RICE FAILY BAALEY MALLE MILLET AND SOAGHUM	240937 35861 139964 3319 40637 16544	253516 41421 142276 3385 44592 16558	264245 45959 144566 3395 49402 15572	272386 51006 147385 3404 50501 14820	264803 41704 149330 3391 51803 14434	293700 54471 156372 3609 58522 15218	313622 63343 163368 4035 62644 14412	303096 55610 161102 3122 65434 12660	309856 60318 165624 3531 62109 13055	340434 69312 185062 3673 63227 14226	372788 82542 153584 4010 71340 16050	3.91 7.19 3.05 1.27 5.19 -1.42
ECO1 CHOPS Potates Cassava	168220 32964 3451	151370 35629 3503	152601 39681 3626	143917 42640 4396	160297 46843 5250	172262 54145 6178	155936 49792 6313	158121 50982 6525	143761 47328 6969	14c110 49123 6444	159382 52238 6690	39 4.19 8.33
TOFAL FULSES	6668	6572	6574	6757	6436	6908	7131	7 1 69	6879	6766	6482	.30
CITFUS FRUIT BANANAS APPLES	852 1154 1560	913 1088 1450	884 522 1912	875 883 2101	973 986 25 1 9	964 1015 2723	1165 1128 3331	1359 1235 2843	1469 1281 3501	1668 1479 2941	20 63 1599 4381	8.97 4.32 9.65
VEGETABLE CILS, JUL 2001V SOTBEANS GE CUNDNUIS IN SHELL SUNFLOWER SZED EAPLSEED COTIONSEED COFFA FALM KESNELS	4453 8650 2324 70 1355 5135 32 38	4354 7841 2509 1383 4933 31 39	4279 7611 2444 80 1539 4772 30 39	3824 7019 2070 1353 4120 32 41	4028 7646 2155 170 1173 4112 40 40	4644 7957 2568 279 1871 4347 46 42	50 54 78 44 29 94 3 40 24 04 4 42 4 6 1 4 3	5720 8339 3786 910 2386 5423 58 40	70 62 97 48 39 92 13 32 40 67 59 46 63 41	7724 5503 4088 1286 5657 7215 64 45	77 91 10263 4129 1320 4288 9294 70 47	7.19 2.50 7.38 43.69 15.83 5.39 10.22 1.66
SUGLE (CENTAIFUGAL, RAW)	2843	2877	2678	2675	3154	3303	3690	3763	4346	4839	5251	7.00
COFFEL GFEEN TEA	12 223	12 237	13 255	18 277	21 295	14 313	14 325	16 350	19 3 91	22 450	24 457	6.11 7.55
COTION LINT JUZE AND SIMILAR PIBRES SISAL	2567 581 8	2466 654 10	2386 729 9	2060 766 S	2056 893 8	2173 1122 9	2212 1318 8	2712 1133 8	2973 1299 3	3604 1100 4	4643 1062 4	5.3E 7.3E -9.60
TOBACCO NATURAL BUEBER	1027 91	1064 87	1039 103	1060 123	1077 149	1336 166	1026 162	995 164	1597 172	2285 200	1447 212	5.50 9.26
TGIAL MEAT TGIAL MILK TGIAL EGGS WOOL GREASY	10129 2659 2367 148	10142 2800 2450 151	10457 2894 2549 154	10458 3011 2665 155	10583 3109 2775 156	11451 3242 2924 157	13765 3385 3071 174	15252 3583 3233 196	1 61 16 3792 3442 2 10	17184 4192 3693 224	17994 4491 3975 217	6.86 5.03 5.24 4.63
FISEREY PECLOUTS 1/												
FESSHATER + JIADACHOUS HAAINE FISH CRUSI+ MCLLUS+ CEPHALOP AQUATIC HANHALS AQUATIC ANTHALS AQUATIC FLANTS	1343 3846 872 1 59 849	1347 4163 926 1 22 915	1387 4323 989 1 17 1013	1351 4437 1052 2 16 965	1422 4536 1182 2 13 1434	1376 4509 1255 2 14 1606	1461 4311 1145 2 14 1519	1601 4444 1169 10 1550	1780 4489 1180 19 1367	1972 4743 1353 19	2277 4808 1413 20	4.86 1.56 4.31 -5.53
FORESS FROTUCIS 2/												
SA WLOGS CONIFLEOUS SA WLOGS NOKONIFEROUS PULPHCOL+PARTICLES FUELHCOL	16725 10531 2930 161488	18340 11702 4000 164923	19145 12086 4291 168313	19993 12999 4476 171565	20768 13546 4671 174797	21717 14108 4676 178146	22696 14697 5089 181633	23678 15282 4847 165188	24083 15928 4647 185748	25161 16596 4795 186389	2 6452 1 7.394 53 13 18 70 60	4.34 4.78 3.88 1.57

1/ NOMINAL CAICH (LIVE WEIGHT) EXCLUDING WHALES 2/ EXCEPT FCL PULP FOR FAFFE AND PAFFE AND PAFFEBOARD, ALL FOREST FEODUCTS ARE EXPRESSED IN THOUSARD CUBIC MÉLAES

	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
	• • • • • • • • • •		• • • • • • • • • •		••• THCOSA	ND MEIBIC	10 NS			••••••	• • • • • • • •
SAWNHCOD CONIFELOUS	10604	11074	11166	11697	12256	12814	13400	14016	14662	15341	16054
SAWNWGOD NCNCJ NIFEBOUS WOOD-BASED PAN FLS	6753 1549	6734 1266	6739 1254	7039 1407	7354 1494	76E5 2001	8032 2138	8396 2281	8779 2363	9181 2363	9603 2363
PULP FCB PEPSA	823	819	891	917	1021	1191	1259	1361	1361	1361	1373
PAPEA + PAFEFBOA BD	4306	4 16 7	4572	4655	5031	5 8 0 6	6339	6752	6817	6517	7017

ANNEX TABLE 1. VOLUBE OF PRODUCTION OF MAJOA AGEICULTURAL, FISHERY AND FOREST PRODUCTS

ANNUAL RATE CF CHANGE 1973-63 PERCENI

4.31 3.92 7.38 6.47 6.22

			TOTAL						PER C	1 P U T		
	1979	1980	1981	1982	1983	CHANGE 1982 10	1979	1980	1981	1982	1983	CHANGE 1982 IC
						1983						1983
	•••••	••••••	/4~/6=100.	• • • • • • • • •	•••••	PEFCENT	••••	••••••197	4 76 =1 00 /		*****	PERCENT
FOOD FRODUCTION												
WGRLD	110	110	114	117	117	19	103	101	103	104	102	-1.84
DEVELOPED COUNTALES	108	106	109	112	108	-3.17	105	102	1 04	106	102	-3.80
WESTLAN EUFOPE	103	111	108	114	113	-1.17	107	109	106	112	110	-1.43
EUROFEAN ECON COMMUNILY	108	111	1 10	115	114	58	107	110	1 09	113	112	71
BELGIOB-IUXE MBOJRG DENMASK	103 111	104 111	108 112	104 124	98 119	-5.46 -4.16	102 110	103 110	107 111	103 123	98 118	-5.50
FRANCE	111	110	107	117	112	-4.53	1 10	108	104	114	108	-4.91
GEBHANY FED.,522. OF GFEECE	106 100	109 114	108 113	116 113	113 105	-3.13 -7.38	107 95	109 107	108 105	117 105	113 97	-2.79 -7.85
ILELAND	104	122	103	106	10£	42	59	115	96	58	96	-1.53
ITALY NETHEBLANDS	107 106	114 106	112 116	108 116	120 120	10.88 3.09	106 103	113 102	1 11	107 111	118 114	10.56 2.72
UNITED KINGDCA	111	118	118	120	120	.04	111	117	1 18	120	1 20	07
OTHEN WESTERN EUROPE	107	109	103	113	109	-3.13	104	106	99	108	104	-3.71
AUSIRIA FINLAND	104 104	108 103	103 94	119 105	112 111	-5.62 5.60	1C4 102	105 101	103 92	118 103	112 108	-5.33 4.82
ICELAND	105	10.9	110	108	111	3.37	100	103	104	100	102	2.50
HALTA NCEWAY	119 106	145 108	139 114	166 120	131 119	-21.21	113 104	136 106	1 30 1 11	153 116	120 116	-21.63
FOATUGAL	95	85	78	3 6	86	-10.74	92	86	74	91	81	-11.38
SPAIN SWEDEN	111 101	117 104	104 108	112 111	107 111	-4.33 .20	106 100	111 103	98 106	105 109	99 109	-5.09 .16
SWIIZERLAND	112	10 9	107	118	116	-1.83	112	103	105	117	114	-2.48
YUGOSLAVIA	108	108	109	119	116	-2.78	105	104	1 04	11 2	108	-3.48
USSE AND EASTLEN EUROPE	104	10 2	102	106	109	2.99	101	3 C	97	100	102	2.19
BASIBEN EUROPL Albania	108 123	105 122	105 119	110 121	111 131	.23 8.00	105 112	102 105	101 103	106 103	106 109	23 5.67
BULGAEIA	116	111	117	126	117	~6.99	114	10.5	115	123	114	~7.21
CZECHCSLCVAKIA	101	110 105	108	116	118 106	1.84	58	106	104	112 105	113	1.54
GERMAN DEMOCRATIC AND. HUNGARY	107 107	103	111 113	104 12 €	124	1.97 -1.05	108 106	106 114	1 12 1 11	124	107 123	2.00
PGLAND	105	93	92	57	101	3.82	102	89	87	91	94	2.84
BOMANIA USSE	1 21 1 0 3	118 100	116 100	126 104	118 108	-7.00 4.25	117 99	113 96	1 10 95	120 98	111 101	-7•31 3•31
NORTH AMERICA DEVELOPED	116	11 2	124	124	104	-16.57	1 11	106	115	116	96	-17.20
CANADA UNITED STATES	106 117	114 112	126 124	137 123	131 101	-4.76 -17.92	102 112	10 € 10 €	118 116	127 114	119 93	5.71 18.52
OCEANIA DEVELOESD	115	102	113	100	128	27.98	109	96	105	91	116	26.48
AUSIFALIA NEG ZEALAND	119 104	101 106	115 109	96 113	132 116	37.92 2.46	112 102	93 105	105 107	86 110	117 112	36.16 1.82
OTHER DEV. HE CONTRIES	104	96	58	100	97	-3.21	99	90	91	92	88	-4.30
ISLABL JAPAN	106 103	101 94	98 95	113 98	113 97	- <u>-</u> 11 -1.48	96 59	90 90	86 90	97 92	95 9 0	-1.79
SCUTH AFFICA	108	112	126	110	93	-16.11	59	99	1 10	94	77	-2•15 -18•17
DEVELOPING COUNTRIES	114	117	122	125	130	3.65	104	105	1 07	108	110	1.58
AFRICA DEVELOPING	107	111	113	117	113	-3.66	95	95	94	94	88	-6.58
NORTH WESTERN AFRICA	104	112	100	111	109	-1.93	92	97	84	9 0	86	-4.97
ALGERIA HOECCCO	94 113	109 114	103 96	104 121	104 112	02 -6.91	63 100	94 99	86 81	83 98	81 88	-3.25 -9.93
TUNISIA	93	110	104	58	110	12.44	84	97	89	82	90	9.80
WESTEEN AFBICA BENIN	110 123	114 115	118 114	122 114	113 115	-7.42	97 111	97 101	97 98	98 95	88 93	-10.23
BUFKINA FASO	114	109	117	117	114	•72 -3•12	105	98	103	101	93	-2.13 -5.34
GAMBIA GHANA	66 89	69 84	9 1 83	105	78 78	-28.45	60 79	62	60	94	66	-29.73
GUINEA	96 96	96	63 97	81 101	78 99	-3•82 -1•44	29 88	72 86	69 86	65 86	60 83	-6.90 -3.73
IVOLY COAST	131	141	145	139	150	7.49	112	115	115	106	1 1 1	3.50
LIBERIA MALI	110 120	110 116	115 127	116 125	117 120	1.29 -3.86	96 110	93 104	94 1 11	92 107	90 100	-1.81 -6.55
MAUEITANIL	121	125	132	120	117	-2.72	109	109	112	99	94	-5.57
NIGER NIGERIA	142 114	148 120	146 124	146 130	148 118	1.74 -9.51	129 99	130 101	1 25 1 01	121 103	120 90	-1.08 -12.45
SENEGAL	74	68	94	101	71	-29.70	64	57	77	80	55	-31.47
SIEBEA LEONE TOGC	98 113	102 115	102 113	112 118	114 121	2.04 2.26	92 103	94 102	93 98	100 100	100 99	•24 -•67
CENIBAL AFFICA	102	10 6	109	112	113	.62	92	92	93	93	91	-2.04
ANGCLA CAMEBOON	100 100	102 100	102 96	103 104	103 98	•68 -5•82	87 51	87 89	64 83	82 88	81 81	-1.70 -8.20
CENTRAL AFRICAN BEP	105	108	109	111	109	-1. 46	97	97	96	95	92	-3.67
CHAD Congo	117 107	116 112	117 117	116 119	119 116	2.53 -2.52	108 97	105 99	103 101	100 100	100 95	.22 -5.00
GABON	108	108	109	105	112	2.98	102	101	1 00	98	100	1.24
ZAIRE EASIZAN AFFICA	102 103	106 109	111 113	114 116	116 116	1.86 07	51 56	92 93	54 93	93 93	92 90	-1.09 -3.24
BURUNDI	109	105	110	108	112	3.94	103	97	93 59	93 95	90 96	1.05

ANNEX TABLE 2. INDICES OF FOOD PECTUCTION

			TOTAL						PFF CA	PUT		
	1979	198.0	19ê1	1982	1983	CHANGE 1982 TO 1983	1979	1980	1961	1982	1983	CHANGE 1982 IC 1983
	•••••		4-76=100.		•••••	PERCENT	•••••	197	4-76=100.		•••••	PBBCENI
FOOD PRODUCTION												
STHIOFIA KEMYA MADAGASCAL MALAWI MAUAITUS MAUAITUUS MAUAITUUS SOMALIA TAMAANA UGANDA ANDIA ZIMBABA ZIMBABAE SOUTIER NAFACA DOTSWANA LESOTBO SNAZILANE LATIN AMERICA	122 106 56 109 112 94 126 104 122 105 89 83 56 52 57 103	117 105 115 84 95 127 110 105 94 89 97 72 94 126 119	115 106 120 97 96 136 133 133 110 92 117 103 66 92 139 124	127 116 106 127 119 55 145 115 125 88 103 51 81 81 81 81 81 81 81 81 81 81 81 81 81	126 113 127 98 76 150 117 129 120 93 99 92 99 92 20 86 142 125	$\begin{array}{c} -1.29\\ 2.48\\ 6.46\\ .12\\ -17.65\\ -19.62\\ 3.66\\ 1.49\\ 1.26\\ 4.58\\ 10.71\\ -4.08\\ .32\\92\\ .30\\92\end{array}$	113 91 96 105 76 110 77 107 93 77 83 79 77 86 89 87 105	106 86 91 100 77 76 108 76 90 81 75 84 59 84 109 106	102 63 90 101 67 75 112 73 109 91 96 86 86 80 117 107	110 38 85 103 104 72 115 72 161 91 71 71 74 115 107	106 86 91 100 84 57 115 70 98 92 76 63 79 69 73 112 104	$\begin{array}{c} -3.76\\ -1.65\\ 3.52\\ -3.08\\ -3.08\\ -19.15\\ -20.96\\ -2.05\\ -2.05\\ -2.24\\ .97\\ 7.10\\ -17.64\\ -5.82\\ -3.06\\ -2.62\\ -3.01\\ -2.62\\ -3.17\end{array}$
CENTIAL AMERICA COSTA BICA GUATEMALA HOBDUFAS MILICC NICALAGUD PANAMA CAREACUD DOMINICAN ELFUBLIC HAITI JAMAICA SOUTH AMERICA ABCLNIINA HOLIVIA ELAZIL CHLE COLCMEIA ECUADCE GUYANA PALAGUAY PELU ULUGUAY VENLZUELA	118 119 119 115 118 127 112 115 119 127 112 109 108 114 122 100 113 108 118 108 118 100 113 100 126 101 126 100 115	$\begin{array}{c} 12 \pm \\ 12 \pm \\ 114 \\ 124 \\ 127 \\ 126 \\ 311 \\ 107 \\ 121 \\ 107 \\ 121 \\ 104 \\ 121 \\ 104 \\ 127 \\ 104 \\ 129 \\ 125 \\ 944 \\ 15 \\ 944 \\ 115 \\ 944 \\ 115 \\ 944 \\ 115 \\ 125 \\ 115 \\ 125 \\ 115 \\ 125 \\ 115 \\ 125 \\ 115 \\ 125 \\ 115 \\ 125 \\ 115 \\ 125 \\ 115 \\ 125 \\ 115 \\ 125 \\ 115 \\ 125 \\ 115 \\ 125 $	129 108 111 128 136 133 92 118 112 119 129 107 105 123 123 123 123 123 123 123 123 125 116 108 134 9 125 116 108	124 105 110 128 127 85 121 115 107 136 114 107 136 107 136 114 105 116 135 126 135 120 135 106 135 109 115	125 108 114 120 137 128 93 121 114 102 135 114 108 104 125 84 108 104 125 115 110 123 103 103 103 103 103 103 103 103 103 10	$\begin{array}{c} .82\\ 3.16\\ 3.91\\ -6.34\\77\\ 1.08\\ 4.76\\17\\77\\4.54\\ -2.02\\ 2.17\\ 1.06\\ -1.48\\ -3.07\\ -27.55\\ -5.20\\ -1.48\\ -3.07\\ -27.42\\ .55\\ -5.20\\ -1.48\\ -3.37\\ -2.42\\ .55\\ -5.20\\ .09\\ -14.10\\ -4.85\\ -2.43\\ -6.35\\ 2.92\\ 3.32\end{array}$	105 99 106 100 105 114 102 109 115 128 99 88 101 104 114 103 101 109 53 53 110 90 87 100	106 95 106 107 105 177 102 106 126 116 92 105 105 105 108 95 109 85 109 85 109 85 92 57	$\begin{array}{c} 1 \ 09\\ 91\\ 93\\ 1 \ 07\\ 1 \ 10\\ 1 \ 12\\ 78\\ 1 \ 03\\ 1 \ 03\\ 1 \ 03\\ 1 \ 13\\ 1 \ 23\\ 93\\ 91\\ 93\\ 91\\ 1 \ 07\\ 1 \ 10\\ 56\\ 1 \ 11\\ 56\\ 1 \ 10\\ 56\\ 1 \ 11\\ 89\\ 96\\ 1 \ 11\\ 84\\ 107\\ 53\\ \end{array}$	102 86 90 104 108 104 104 104 104 104 104 104 104	100 66 90 95 103 103 101 102 95 127 95 127 95 127 95 103 103 81 86 103 78 103 81 86 105 78 107 91	$\begin{array}{c} -1.85\\93\\93\\90\\93\\9$
NEAL EAST LEVELOPING	110	11.3	118	121	121	.25	<u>6</u> 9	99	100	100	98	-2.34
NEAF EAST IN A FRICA BGYFI LLEYA SUDAN NEAF EAST IN A SIA AFGHANISTAN CYPEUS IKAN JCEDAN LEANCN SADDI AFAETA SYALA TUEACH FREAM AFAE A EPOBLIC YMAEN DE MOUT AFIC FAE BAST DEVGLOPING	108 105 109 112 110 101 103 103 103 53 113 114 101 59 114	1 38 10 9 10 9 11 4 10 5 11 9 10 8 12 6 13 3 57 16 1 57 16 1 9 6 11 7	114 107 112 129 119 107 15 127 130 125 106 24 160 118 99 126	$\begin{array}{c} 111\\ 112\\ 107\\ 109\\ 123\\ 107\\ 126\\ 126\\ 146\\ 126\\ 146\\ 126\\ 132\\ 170\\ 128\\ 96\\ 99\\ 125\\ 125\\ \end{array}$	112 112 115 110 123 109 106 127 144 135 120 58 163 123 81 103 135	$\begin{array}{c} 1.26\\ 6.67\\ 7.24\\ 1.47\\ 0.04\\ 2.04\\ -15.33\\69\\ -3.09\\ 7.33\\ -10.62\\ 363.40\\ -4.21\\62\\ -17.23\\ 1.37\\ 8.24\end{array}$	96 55 59 57 106 56 55 81 105 77 103 104 50 104	94 89 94 100 100 116 93 136 136 136 135 135 103 85 105	96 92 68 107 101 103 105 105 107 109 18 131 104 88 86 110	91 81 88 103 105 104 105 139 134 135 134 106 84 107	90 92 84 87 100 100 100 100 108 125 68 124 103 69 83 113	$\begin{array}{c} -1.42\\ -1.63\\ 3.20\\ -1.36\\ -2.52\\ 2.91\\ -3.66\\ -6.35\\ 3.36\\ -10.55\\ 345.79\\ -2.95\\ -2.95\\ -19.16\\ -1.30\\ 5.94\end{array}$
SOUTH ASIA DANGLADESH INJIA NEPAL PAKISTAN SI LANKA DASI SOUTH-EASI 63IA UDIA INDONESIA KCEBA JEF IAO MALAYSIA PUILIPPI DES IGAILADD ASIAN CENT FURNED BOON	111 110 54 115 142 120 115 116 132 118 119 123 114 117	115 119 114 103 117 126 126 126 126 126 126 126 127 136 127 119	123 119 123 107 124 147 132 136 139 119 139 139 132 153 129 122	120 123 97 130 136 136 137 147 136 147 136 149 136 131 131 132	134 127 135 117 134 147 137 146 123 150 130 137 135 140	11.60 2.79 14.23 20.08 3.15 6.39 2.56 .70 6.83 1.29 .73 -5.84 2.35 3.20 6.47	101 59 101 65 102 133 110 104 107 124 106 108 112 104 119	103 104 92 101 146 109 111 115 99 120 106 112 106 110	107 101 108 93 104 132 116 117 122 108 127 115 114 112 112	103 101 82 105 122 115 124 116 110 125 117 117 112 111	112 101 114 97 105 127 122 124 109 123 107 112 113 125	9,17 .02 11,97 17,31 11 4,20 .54 -1.82 4,97 10 -1.78 -7.96 17 1.04 5,15
CHINA KAMPUCHE & DEMOCRATIC KOBEA DEF MORGOLIA VIST NAM OTHEE DEV. ING COUNTRIES	117 62 123 103 119 114	117 87 126 96 126 114	122 81 127 102 127 119	132 91 130 110 129 123	141 108 138 111 136 118	6.64 19.12 5.94 .42 4.76 -4.09	1 10 68 112 52 103 103	109 96 112 84 112 95	1 12 83 1 10 86 1 10 1 01	120 96 110 91 110	126 111 114 69 113 95	5.40 14.94 3.52 -2.25 2.70 -6.45

.

			TOIA	L					FEA C	APUT		
	1979	1980	1981	1982	1963	CHANGE 1982 TO 1983	1979	1980	1981	1952	1963	CHANGE 1982 IC 1983
		••••••19	74-76=100	•••••••	••••	PERCENT	•••••	••••••19	74-76= 100	•• •• •• •• ,••	• • • • • • •	PERCENI
WCILD	119	110	114	117	117	23	103	101	103	104	102	-1.68
DEVELOPED COUNTRIES	108	10 ś	109	112	108	-3,47	165	102	104	106	102	-4.11
WESTEEN EUROPE	108	111	108	114	113	-1.19	106	109	105	112	110	-1.45
EUFOBIAN FCCM CONMULLA	108	111	110	115	114	59	107	110	109			
BELGIOM-IUTEMBOUEG DZNMAEK	103 111	10.3	108 112	103	97	-5.79	102	102	107	113 103	112 97	72 -5.83
FLANCE	111	110	107	124 117	119 111	-4.19 -4.56	1 10 1 10	110 108	1 11 1 04	123 113	118 108	-4.99 -4.94
GERMANY FED. REP. GF GREECE	106 100	108 113	107 113	116 112	113 105	-3.18 -5.82	107	109 106	108 105	117 104	113 97	-2.85
IFELAND II ALY	103	122 114	102 112	106 108	106 120	41 10.66	98 107	115 113	95	98 107	96	-1.51
NETHERLANDS UNITED KINGDOM	106	10 5 11 7	116 118	116 120	119 120	2.73	103	102	1 11	111	118 114	10.34 2.36
OTHER WESTERN EUROPE	107	10 9	103			.04	111	117	1 17	120	1 20	06
AUSTEIA	104	108	103	113 119	109 112	-3 .1 4 -5 . 63	104 104	106 109	59 103	108 118	104	-3.72 -5.34
FINLAND ICELAND	104 105	103 109	94 111	105 106	111	5.61 3.38	102	101 103	92 1 04	103 100	108 102	4.82
MALTA Norway	113 105	145 108	139	166	131	-21.21	113	136	1 30	153	120	2.51 -21.63
POLIUGAL	95	89	114 78	120 96	119 86	47 -10.63	104 52	106 86	111 75	117 92	116 81	~.83 -11.26
SPAIN SWEDEN	111 101	117 104	104 108	112 111	107	-4.42	106 100	111 103	98 1 06	105	99	-5.19
SWI TZEEL AND YUGO SLAVIA	112 108	109 108	106 109	118 119	116 115	-1.61 -2.69	112	110	106	109 117	109 114	•16 -2•46
USSE AND MASTMAN SUBOPE	104	10 1	102	10 é	108	2.70	104 101	103 97	104 97	112 100	108 102	-3.39
BASTERN BUSCPE	108	104	105	110	110	.03						1.91
ALBANIA BÜLGABIA	124	123	119	122	129	6.53	105 113	101 109	101 104	105 103	105 108	43 4.23
CZECHCSLCVAKIA	113 102	10 5 11 0	111 108	120 116	110 118	-8.19 1.87	111 59	104 106	109 104	117 112	107 113	-8.41
GEEHAN DEMOCBATIC REP. HUNGABY	107 107	10 5 11 5	112 113	104 126	10ő 124	2.02 -1.10	108 106	106 113	1 12	105	107	2.05
POLAND Echania	105 120	9.3	92	57	100	з. 63	162	85	1 12 £7	124 91	122 93	91 2.85
USSE	102	117 100	115 100	126 104	117 108	-6.87 3.87	116 99	112 96	109 95	119 98	110 101	-7.18 2.93
NOETH AMENICA DEVELOPED	115	11 1	124	123	102	-17.31	111	105	117	115	94	-17.94
CANADA UNITED STATES	107 116	114 111	126 124	137 122	131 99	-4.54 -18.75	103 112	108 105	1 18 1 15	126 113	119 91	-5.49 -19.34
OCEANIA DE VELO PED	112	102	112	102	123	2 1. 38	106	96	103	93	111	19.97
AUSIRALIA NEW ZEALIND	114 104	100 105	111 112	97 115	125 117	28.62 2.37	107 103	93 107	1 02 1 10	88 111	111 113	26.98 1.74
OTHER DEV. ED COUNTEIES	104	96	58	99	96	-3.06	59	90	S1	91	88	-4.09
ISKAEL JAPAN	110 103	107 93	107 94	119 97	119 96	.08 -1.39	100 99	95 89	94 69	102 91	100	-1.60
SOUTH AFFICA	109	112	125	110	54	-14.76	\$9	100	108	\$3	78	-2.06 -16.86
DEVELOPING COUNTAIES	113	116	121	125	130	3.81	104	104	1 07	108	110	1.74
AFRICA DEVELOPING	107	110	112	116	112	-3.40	95	95	93	94	88	-6.34
NORIH WESTERN AFRICA ALGEBIA	104 94	112 110	100 104	112 104	109 104	-1.83 .04	52 64	57 94	84 86	9 1 84	86 5 1	-4.88 -3.19
HOF CCCC TUNISIA	112 94	114 110	96 105	120 55	112 111	-6.75	100 84	98	81	97	88	-9.78
WESTERN AFRICA BENIN	110 122	113	118	121	112	-7.17	97	97 97	90 97	83 97	91 87	9.63 -9.99
BURKINA FASO	115	114 111	114 118	114 119	115 116	•92 -2.02	110 106	100 100	57 105	95 102	93 98	-1.94 -4.26
GAMBIA GHANA	66 89	69 34	9 1 83	110 81	78 77	-28.48	č1 78	62 72	60 69	95	66	-29.76
GUINEA IVORY COAST	\$6 127	96 133	98	101	100	-1.37	83	8 E	86	65 67	6) 83	-7.56 -3.66
LIBLEIA	107	10 9	145 112	133 109	143 109	7.94 .26	108 94	110 92	1 16 52	101 87	105 64	4.33 -2.81
MALI MAUBITANIA	122	120 125	127 132	126 120	122 117	-2.90 -2.72	112 109	108 109	1 12 1 12	107	101	-5.62
NIGER NIGERIA	142 113	148 119	145	145	148	1.77	128	130	1 24	99 121	94 120	-5.57 -1.05
SENEGAL	74	68	123 95	130 102	117 72	-9.46 -29.51	99 64	100 56	100 77	102 80	89 55	-12.41 -31.28
SIELEA LEONL TUGO	101 112	103 115	103 113	113 119	116 122	3.10 2.15	95 102	95 103	94 98	101	102 99	1.29
CENTEAL AFFICA ANGGLA	101 65	104 84	167 82	111	110	~.1 6	S1	91	91	91	89	78 -2.80
CAMERCON	102	103	58	107	83 97	50 -9.47	74 9.3	71 91	67 84	67 91	65 80	-2.86 -11.76
CENTRAL AFAICAN BEP CHAD	103 111	105 110	105 109	105 111	107 116	-2.18 4.51	95 102	54 59	92 \$6	94 96	9 0 98	-4.38
CC N GO GABON	108 108	113 108	117 109	115	116	-2.44	58	100	101	100	95	2.16 -4.92
4AIRE	101	10 6	111	114	113 115	2.68 1.67	102 90	101 92	100 93	99 93	100 92	•94 -1•28
EASTEEN AFEICA BUBUNDI	107 111	109 104	112 116	114 107	115 115	•55 7•50	95 104	9.3 96	93 105	52 94	89 99	-2.64
					-					~	22	4.55

			10141						PER CA	PUT		
	1979	1980	1981	1982	1983	CHANGE 1982 IC 1983	1979	1980	1987	1982	1983	CHANGE 1982 IC 1983
			74-76=160.		•••••	PEECENT		••••••197	4-76=100.		•••••	PERCENT
ZT NIOP LA KB NYA MALAGASC AK MALAGITUS MOZAMETQUB SKAUDA SOMALIA TANZAKIA UGANDA ZIMUA ZIMUA SOUJALEN AFRICA BOISWANA LESCIEO SLAZILAKE LATU A MELICA	121 109 96 113 112 53 126 104 115 99 97 97 57 57 52 98 103 115	117 112 102 117 95 127 110 122 100 96 101 99 72 95 131 117	116 112 105 122 96 137 125 125 125 93 114 104 86 94 123	127 121 105 131 94 144 116 80 100 104 91 143 123	126 126 111 130 99 77 15 115 115 99 92 100 92 51 144 123	63 4.31 5.82 76 -16.99 -16.46 3.98 1.49 .44 4.77 12.0 8.67 -3.61 .32 01 .50	112 93 66 101 105 78 111 77 100 87 60 85 66 79 89 89 97 104	106 91 90 101 76 76 103 83 86 86 60 84 113 104	1 03	110 51 86 107 71 115 72 93 68 71 79 85 71 76 117 104	106 91 89 85 56 115 70 90 89 78 70 89 78 70 89 74 102	$\begin{array}{r} -3 \cdot 20 \\ \cdot 11 \\ 2 \cdot 90 \\ -3 \cdot 93 \\ -18 \cdot 55 \\ -20 \cdot 62 \\ -2 \cdot 06 \\ -3 \cdot 03 \\ 1 \cdot 16 \\ 9 \cdot 28 \\ -11 \cdot 80 \\ -6 \cdot 55 \\ -3 \cdot 07 \\ -2 \cdot 51 \\ -2 \cdot 51 \\ -2 \cdot 51 \\ -1 \cdot 65 \end{array}$
CEMARAL AMFRICA COSTA RICA EL SALVAICA GUATEMALA MONDURAS MEXICC MICARAGUA PARAMA CASIBERN BABADOS CUBA DONINICAN BEBJBLIC MARII JANAICA SOULM AMERICA ABGENIENA BOLIVIA BEAZIL CHILE CLOMEIA ECUADCE GUYANA PARAGUAY PERU URUCA VENEZUELA	117 113 119 120 123 116 113 114 119 131 14 130 107 106 114 120 100 113 108 119 106 101 127 105 101 127 105 101	120 115 122 129 124 80 106 133 116 106 106 106 106 104 102 104 117 112 105 121 113 95 96 113	125 116 104 123 140 130 92 119 122 105 103 105 124 118 110 131 119 126 117 105 137 105 137 101 112	116 101 118 129 122 125 122 115 107 136 114 165 126 113 129 124 119 107 136 119 107 136 119 107 136 113 129 125 126 115 107 136 115 126 127 136 127 136 126 127 136 127 136 126 127 136 127 136 127 136 127 136 127 136 127 136 127 136 127 136 127 136 127 136 127 136 127 136 127 136 127 136 126 127 136 127 136 127 136 127 136 127 136 127 136 127 136 127 136 127 136 127 136 127 136 127 136 127 136 115 126 115 126 126 115 126 115 126 126 115 126 115 126 126 127 126 127 126 127 126 127 126 127 126 127 126 127 126 127 126 127 126 127 126 127 126 126 127 126 127 126 126 126 127 126 126 126 126 126 126 126 126	121 117 119 109 141 124 55 123 113 103 102 122 84 134 111 122 84 134 111 125 123 103 103 103 113 135 57 113 118	$\begin{array}{c} 2.02\\ 6.86\\ 11.09\\ -7.40\\ 1.25\\ 1.94\\ 6.43\\ -3.8\\ -1.64\\ -4.94\\ -2.74\\ -2.66\\ 6.14\\ -3.70\\ -25.98\\ -3.70\\ -25.98\\ -3.70\\ -25.98\\ -3.8\\ -3.70\\ -2.53\\ -3.61\\ -13.46\\ -4.8\\ -3.61\\ -2.53\\ -3.61\\ 2.91\\ 3.95\end{array}$	104 101 106 106 107 104 105 103 108 103 101 101 101 101 103 103 101 110 54 53 311 53 86 59	104 98 59 105 107 70 99 128 113 94 58 103 92 109 109 57 90 109 83 94 95	105 53 87 102 113 110 77 104 102 92 90 97 108 107 54 114 107 111 58 96 113 89 113 80 91	97 90 82 96 109 109 102 105 104 129 94 104 113 94 104 107 96 92 110 84 105 89	96 93 89 99 75 101 56 124 92 88 94 104 107 68 94 107 68 94 107 68 60 80 80 80 80 80 80 80 80 80 80 80 80 80	$\begin{array}{c} - & 6 \\ 4 & 111 \\ 7 & 51 \\ - & 10 & 06 \\ - & 2 & 91 \\ - & 1 & 76 \\ - & 3 & 12 \\ - & 3 & 12 \\ - & 5 & 67 \\ - & 3 & 30 \\ - & 4 & 93 \\ - & 4 & 93 \\ - & 4 & 93 \\ - & 4 & 93 \\ - & 4 & 93 \\ - & 4 & 93 \\ - & 4 & 93 \\ - & 4 & 93 \\ - & 5 & 22 \\ - & 27 & 95 \\ - & 6 & 67 \\ - & 5 & 35 \\ - & 6 & 67 \\ - & 5 & 35 \\ - & 6 & 61 \\ \end{array}$
NEAL EAST LEVELOPING	108	111	115	118	119	. 66	\$7	97	58	98	96	-1.94
NEAF EAST IN AFFICA BGYPT LIBYA SUDAN NEAF EAST IN ASIA AFGHANISTAN CYPRUS IFAN IFAC JORDAN LEBANON SAULT AFABLA SYRIA TURKEY YEMEN AFAB REPUBLIC YEMEN DEMOCEATIC FAR BAST DEVELOPING	106 107 109 104 109 59 106 108 89 101 54 114 112 101 97 114	107 108 108 100 112 100 106 124 129 58 129 58 151 113 102 92 117	111 109 111 115 102 124 124 103 26 151 151 51 155 95 95 125	105 112 107 103 121 121 125 126 130 23 163 120 95 124	110 111 115 108 121 104 125 142 135 142 135 142 135 142 135 120 81 120 81 100 134	1.28 95 7.08 5.17 .52 2.91 -15.24 -1.03 -2.85 7.68 -10.23 330.63 -2.65 -09 -16.65 5.02 7.62	95 97 93 98 95 106 54 94 81 103 77 100 103 94 81 84 81 84 80 104	93 97 89 86 98 96 115 104 119 133 46 102 93 82 105	94 93 68 95 96 104 103 107 20 123 107 20 123 101 86 82 109	90 94 81 83 100 99 102 114 135 17 128 103 85 80 106	88 90 84 103 99 8107 108 120 101 68 120 101 109 82 112	$\begin{array}{c} -1.35\\ -3.42\\ 3.04\\ 2.24\\ -2.06\\ 3.79\\ -16.25\\ -4.00\\ -3.70\\ -10.16\\ 314.27\\ -6.17\\ -2.25\\ -18.66\\ 2.25\\ 5.34\end{array}$
SCUTH ASIA BANGLADÈSH INDIA NEFAL PAKISIAN SHI LANKA BASI SOUTH-BASI ASIA BUEAA INDOMESIA KCHEA BEF LAO HALAYSIA PHILIPFINES THAILAND ASIAN CENT PLABNID 2CON	111 113 110 94 116 120 116 116 129 118 116 124 116 116	115 115 114 104 119 140 126 126 126 126 136 117 128 120 118	122 119 122 107 125 130 136 138 116 148 125 134 129 123	120 123 116 98 132 125 131 147 134 150 130 130 132 132	133 126 135 117 132 131 135 148 120 150 124 138 136 143	10.67 2.64 13.59 20.04 55 4.83 2.54 1.15 7.01 .82 .52 -4.77 1.84 3.16 6.43	121 110 105 107 121	103 102 92 103 129 108 112 114 97 119 104 113 107 110	107 100 93 104 119 114 118 121 105 127 109 115 112 113	103 101 102 62 106 113 124 116 125 110 125 110 113 112 121	111 101 114 97 104 113 114 122 122 107 122 107 122 107 122 113 113	$\begin{array}{c} 8.26 \\13 \\ 11.35 \\ 17.27 \\ -2.63 \\ 5.16 \\56 \\ -1.38 \\ 5.16 \\56 \\ -1.99 \\ -6.92 \\66 \\ .94 \\ 5.11 \end{array}$
CHINA AANPUCHEA, DENOCEATIC KOELA DEE MOEGOLIE VIET NAM OTHEE DEV. ING COUNTRIES	116 62 123 102 119 815	117 85 126 97 126 115	123 79 127 101 128 120	135 89 130 109 130	144 106 138 111 136 119	6,57 19,21 5,90 1,24 4,86	109 68 111 91 108	105 93 112 84 112 101	113 86 110 86 111 102	122 54 110 90 110	129 108 114 89 114 95	5.33 15.03 3.48 -1.46 2.80 -5.35
STUR DIS 10 CONTRINS			. 20									

	1973	1974	1975	1976	1977 THCUSE	1978 IND METRIC	1979 : 1015	1580	1961	1982	1983	ANNUAI RAIE CF CHAAGE 1973-83 PERCENI
HORLD AGAICULTURAL PRODUCTS												
WHEAT+FLOUF, WHEAT EQUIV-	61636	65400	7 38 13	69063	744 86	84908	81538	99499	105389	105090	11 1503	4.96
BICE WIILLE	8417	8312	7736	8997	10881	9639	11776	13045	13097	12168	1 1487	5.12
BABLEY	12445	11693	12604	13927	13112	14585	14106	16233	20262	18402	1 7747	5.02
MAILE	48349	49750	52065	62377	57764	68792	76053	80302	79441	69574	6 5307	4.65
MILLET	226	216	207	303	272	318	256	224	239	219	217	21
SOGGMUM	9050	10766	101 55	11161	11936	10923	11365	11162	14465	13727	1 1857	3.08
POTATOES	.39 13	3877	3931	4411	4697	4037	4630	4918	4958	5197	4837	2.69
SUGAE,TOTAI (EAW EQUIV.)	23154	23347	21937	23185	28965	26139	26602	27656	29345	30853	29592	3.22
PULSES	2024	1655	1788	1906	1974	2115	2347	2796	3124	2965	3173	6.76
SOYBEANS SOYBEAN OII GEONDNUTS SHAILAD BASIS GEOUNDNUTS CIL COCE NUT OIL PALE NUTS KENNELS FALE OIL OILSEED CAKE AND BEAL	15629 1053 961 507 1043 737 302 1514 14574	17233 1546 853 382 526 667 360 1691 14713	16479 1365 899 402 1082 1043 308 2043 14468	19766 1835 561 1147 1374 391 2188 18814	20025 2106 874 561 941 1110 279 2332 19106	24062 2610 745 416 703 1334 181 2401 21678	25469 2953 744 501 443 1142 160 2841 23318	26886 3196 734 474 453 1216 201 3606 25544	26218 3468 831 320 401 1356 138 3214 27475	28915 3402 732 447 434 1265 140 3732 27652	2 64 97 36 77 7 53 5 24 2 44 1 329 1 33 39 38 3 1 7 68	6.53 13.23 -2.62 33 -11.65 5.68 -10.47 10.02 8.68
BABANAS	6787	6627	6373	6344	6662	7048	6951	6959	69 11	7 149	6227	.31
Ofarges+Tanger +Clemen	4978	4955	5165	5153	5404	5213	4958	5136	49 81	5 02 9	4970	14
Lemons and lines	786	627	813	567	895	982	927	597	9 34	1 01 4	948	2.08
COFLEE GLEEN+LCASTED	3804	3410	3576	3655	2938	3445	3793	3722	.3716	3957	4051	1.20
COCCA BEANS	1111	1194	11€1	1152	969	1088	923	1078	1248	1246	1261	.77
TEA	789	804	813	652	904	884	938	953	958	918	933	1.94
COTTON LINT	4728	3616	3994	4049	3929	4467	4374	4834	4305	4387	4322	.73
JULE AND SIMILAR FIBRES	907	691	590	668	565	503	561	509	538	486	514	-5.38
TOBACCO UN MANUFACTURED	1235	1400	1251	1306	1280	1430	1355	1356	1483	1425	1360	1.09
NATUEAL RUEBES	3356	3199	3011	3249	3292	3317	3422	3329	3142	3104	3433	.19
WOOL GEEASY	1119	834	853	1010	1103	890	937	907	950	884	901	82
BOUINE CATLE 1/	6855	5940	6831	6887	6766	7601	7446	6552	7142	7502	7256	1.34
SHEEP AND GOATS 1/	10825	10397	11830	10776	12430	14775	15250	18639	17590	18541	21196	7.70
PIGS 1/	5927	6071	6428	6943	6938	7545	6414	10736	9836	9278	9571	6.02
TOTAL MEAT	5748	5283	5548	6263	6815	7103	7622	8095	8860	8608	9036	5.87
MILK DEY	361	356	378	442	572	565	659	674	867	841	741	10.26
TOTAL EGGS IN SHELL	455	508	535	518	573	606	656	743	792	812	790	6.25
PISHERY PECDUCTS												
PISH FRISH FROZEN FISH CUBED SHELLFISH FISH CANNEE AND PARPABEI SHELLFISH CANNED+PBEPAE FISH ROLY AND LIVZE OIL FISH MEAL	2855 507 712 739 93 550 1631	2786 441 706 747 89 556 1951	2965 434 761 721 88 597 2188	3025 441 877 831 94 565 2113	3461 424 830 801 108 565 2073	3838 415 986 846 107 694 2173	4234 439 1111 864 108 740 2453	4225 447 1012 1605 123 738 2383	4292 471 1072 1051 122 724 2117	2485 335 578 750 92 531 1533		
POREST PRODUCTS 2/												
SAULOGS CONFREDOUS	28753	26236	23898	28411	28657	29869	31849	27996	2 28 60	26539	29377	.06
SAULOGS NO KCONFREDOUS	51864	44885	3£239	45353	47063	48256	45929	41956	3 30 67	33320	32432	-3.57
PULPWOOD+PAFTICLE	29209	32980	31676	33856	35121	32616	3£3£4	41048	3 98 50	34429	35277	2.03
FUELWOOD	1291	1286	1039	782	1066	632	771	906	6 21	678	666	-6.55
SAUNWCOD CONFREDOUS	60510	51622	43250	56294	61793	65962	6£826	66021	6 07 30	61479	70755	2.66
SAUNWCOD CONFREDOUS	10648	6928	7918	11424	11174	12004	13396	12534	1 09 80	11031	12125	2.62
WOOD-DASED FAN FLS	14674	12964	12436	14364	14971	16396	16673	16296	1 6 7 11	15235	16354	2.23
PULP FGE PAFEE	16666	17192	13490	15274	15368	17277	18457	19542	1 85 71	17190	19490	2.22
PAPEE AND FAYSEBOAED	27587	30063	23076	27090	28291	30273	33321	35055	3 54 30	33697	36524	3.54
BESTELN BUFOPE												
AGEICULTUR AL PRODUCTS												
WH2A1+2LOUB,WdBAF EQUIV.	12714	12393	14406	14496	12860	13772	16112	19525	23885	22 58 3	23852	7.47
RICE MILLE	386	605	613	660	738	839	873	943	999	9 3 3	942	8.08
BABLEY	5586	5966	5686	5075	4408	8634	7159	6057	10807	7 5 4 8	6388	5.91
NAIZE	5613	6012	5666	5876	4458	4869	5050	5474	4820	5 7 4 3	7708	.82
NILLEI	9	7	15	11	12	12	13	15	20	20	24	9.58
SOEGHUM	276	711	736	771	364	262	308	206	241	27 1	159	-11.02
POTATOES	2465	2358	2589	2337	2708	2798	30 16	3455	3544	3667	3515	4.97
SUGAL,TOTAL (LAM EQUIV.)	2827	2638	2249	3072	3924	4448	46 32	5627	6147	6466	6044	11.30
PULSES	268	253	323	226	302	353	4 50	458	448	419	596	7.97
SOYBANS	113	16	111	189	120	237	353	327	160	20 5	127	13.68

1/ THOUSAND HE AD 2/ EXCEPT FOL PULP FOR FAPER AND PAFEE AND PAPEREDARD, ALL FOREST FRODUCTS ARE EXPRESSED IN THOUSAND CUBIC METAES ANNEX TABLE 4. VOLUME OF EXPORTS OF MAJOE AGEICULTURAL, FISHERY AND FOREST PRODUCTS

		1074	1075	1076	1077	1070	1979	1980	1981	1982	1983	ANNUAL BATE CF CHANGE
	1973	1974	1975		1977 ••• THOUSA	1978 ND METBIC						1973-83
SOILEAN OII GEOURDNUIS SHEILED BASIS GEOURDNUI CIL COPEA COCONUI OIL PALH HUIS KEANELS PALH OIL OILSEED CAKE AND HEAL		720 17 51 78 5 68 2875	719 13 74 1 203 1 86 2257	744 24 49 17 265 1 98 2630	767 21 44 3 163 1 111 2518	1059 28 45 119 1 97 3437	1208 14 64 1 61 2 92 3957	1204 18 79 2 43, 3 123 4247	12 72 24 63 58 1 1 14 49 21	1379 25 74 1 86 2 94 5333	1430 17 99 60 123 6432	4.20
BANANAS ORANGES+TAEGEE+CLEMEN LEMONS AND LILES	23 1943 384	27 1933 444	35 1999 461	25 2056 525	31 2113 464	41 1921 505	43 1.906 483	43 1799 512	48 1659 430	46 1880 571	35 1689 448	6.23 -1.57 1.43
	62 3 58	76 6 6 1	86 11 43	92 15 46	78 30 60	102 34 50	124 32 46	106 44 43	1.22 43 44	126 52 43	141 52 51	7.51 31.44 -2.13
COITON LING JUTE AND SIMILAR FIBLES	101 28	79 25	65 2 1		70 17		60 16	57 17	55 17	75 15	69 15	-3.29 -5.21
TOBACCO UNBANUFACIURED	141	196 40	177 29	179 32	153 27		234 21		210 14	247 15	248 16	
NATURAL RUEBER WOOL GREASY BOVINE CATLE 1/ SHEEP AND GGALS 1/ PIGS 1/ TOTAL HEAT MILK DEY TOTAL EGGS IN SAELL	1733	43 2312 575 2576 2215 272 398	55 3416 1152 2596 2434 285 326	64 3121 1183 3112 2394 334 335	57 2979 1318 3106 2652 432 349	60 3322 1732 3421 2825 450 382	65 3340 1364 4004 3173 514 445	69 3412 1418 4777 3673 660 506	927 4749	57 3533 784 4537 3788 624 601	66 3502 1162 4737 4067 531 597	3.44 3.85 7.82 7.85
FISHERY PECDUCIS												
FISE FRESH FAO 22N FISH CURED SHELLFISH FISH CANNED AND PAEPARED SHELLFISH CANNED+PEEPAS FISH BODY AND LIVES OIL FISH MEAL	1095 327 196 235 28 271 797	1017 283 225 226 24 196 803	1054 278 250 207 27 249 864	1115 288 274 243 32 319 948	1146 263 232 246 34 327 1040	1391 253 263 262 36 270 945	1686 276 275 264 38 296 951	1643 286 277 257 42 332 \$78	1791 309 326 261 47 335 918	757 206 75 125 19 166 556		
FOREST FROIDCTS 2/												
SAVLOGS CONTFLEOUS SAVLOGS NONCONTFEROUS PULPHCODPARTICLE PUBLHOOD SAVNHOOD CONTFELOUS SAVNHOOD CONTFELOUS NOOD-HASEL PANALS PULP FOR PARAL PAPEL AND FAPERBOARD	20295 2274	2784 1943 7920 888 17246 1856 5854 7436 #4964	1704 1665 8627 735 12640 4607 5171 5179 10655	2428 1833 8173 512 17061 2801 6151 5670 13098	2 590 20 77 7575 740 16554 24 94 61 94 5559 13 7 53	1899 2017 6846 314 18051 2756 6737 6689 15659	2395 20 55 64 62 4 53 203 49 25 14 73 66 68 37 1 73 65	2 937 2257 10 718 579 19 783 2 39 5 7 C 4 7 6 6 3 5 17 4 2 3	1 11 65 3 64 1 7 1 42 20 37 66 90 62 01	2429 1928 9683 433 18334 1396 6151 5604 17770	2523 2023 9443 20572 2015 6120 6716 19400	1.63 1.43 3.37 -8.12 1.5E 11 1.14 8E 4.46
USSE AND EASTERN EUROPE												
AGRICULTUE &L PRODUCTS										5.600		
HEAT+FLOUE, HHBAT EQUIV. FICE MILLEI BARLEY MAILEY MILLEI Soeguum	7108 90 570 1570	£372 149 115£ 1727 4 8	5335 16 1040 583 3 10	4164 11 943 1536 7 11	5443 11 1725 1318 3 5	3969 13 222 1493 3 7	5002 24 232 554 5 7	4170 33 336 1325 6 5	43 80 25 2 47 17 70 3 9	5092 28 225 1319 5 6	4087 38 284 1042 4 4	-4.82 -5.78 -15.42 -2.27
POTATOES SUGAE, TOTAL (EAN EQUIV.) PULSES	534 619 118	648 787 115	4 90 4 38 1 19	442 573 112	682 808 117	371	655 717 145	322 738 122	3 23 6 31 1 22	299 807 112	228 823 117	-8.08 1.47 .24
SOYBEANS SOYLEAN OII GROUNDNUTS SHELLED BASIS	34 6	31 8 1	11 2	10 12	32 13	6 7	30 10 1	17 1	4 14	5 18	5 12	-17.55 12.65
CCCONUT OII OILSEED CAKE À BÙ MEAL OBANGES+TANGEN+CLEMEN COCOA BEANS	75	47	49	14	61	53	1 20	1 27 1	9 2	35 2	14 2 5	-1 2.29
TEA	13	14	17	15	22	17	17	20	18	17	26	4.38
COTTON LINI JUTE AND SIMILAR FIBRES	734 3	740	801	887	976	865	807	863	928	957	789	1.45
TOBACCO UN MANUFACTURED	97	100	102	101	99	89	102	103	50	87	86	-1.32
WOOL GREASY BOVINE CATIL: 1/ SHEEP AND GOAPS 1/ PIGS 1/	1 783 3168 412	1 630 2875 628	1 686 3457 944	1 496 3025 720	1 540 3504 720	2 544 3800 1156	3 676 4719 1152	3 577 4597 1144	1 460 3720 1713	1 603 3655 1091	2 636 4005 973	11.44 -1.71 3.22 9.20

1/ THOUSANL HEAD 2/ EXCEPT FOL PULP FOR FAPER AND PAPER AND PAPERBOARD, ALL FOREST PRODUCTS ARE EXPRESSED IN THOUSAND CUBIC METERS ANNEX TABLE 4. VOLUME OF EXPORTS OF MAJOR AGFICULTURAL, FISHERY AND POPEST PRODUCTS

							•					
	1973	1974	1975	1976	1977	1978 ND HETRIC	1979 50 ks	1980	1981	1982	1983	ANNUAL HATE CF CHANGE 1973-83 PERCENT
TOTAL MEAT	433	527	627	54.7	658	620	744	738	779	733	739	5.00
TOTAL EGGS IN SHELL	103	iii	121	101	120	114	104	90	69	50	52	-7.56
PISHELY PEODUCTS						•						
FISH FÄESH FACZEN FISH CUSED	379	494 13	606 19	607 12	540	569 15	605 21	621 17	5 14 11	429 6		
SHELLFISH FISH CANNEL AND PAEPAEEL	7	332	1 45	1 47	1 48	2	1	2	1 39	34		
SHELLFISH CANNED+PAEPAR FISH BOEY AND LIVES OIL	2	2	3	2	1	1	1	2	1	2		
FISH BEAL	13	11	19	18	14	21	20	22	12	9		
FOREST PROTUCTS 2/												
SAMLOGS COMPEBOUS SAMLOGS NONCON IFZEOUS	10195 334	9829 397	6884 354	95.34 201	9919 315	10281 296	8774 404	7430 384	71 04 2 85	7165 303	7681 292	-3.55
PUL PHOOD + PAETI CLB FUEL #COD	11019 141	12480 127	12146 95	12401 40	12155 63	11.375 92	12066 46	12162 31	1 2 3 9 6 18	10693 15	12057 30	14 18-10
SAMNWOOD CONIFELOUS SAMNWOOD NONCONIFEROUS	10682 825	9865 767	10362 749	11009 714	10592 702	10782 752	9956 600	9513 597	9363 539	9630 487	9690) 537	-1.12 -4.85
WCOD-BASED PANELS PULP FCE PAPEL	1476 618	1457 592	1588 601	1702 728	1791 754	1875 851	1842 753	1827 889	1683 894	1520 982	1574 1037	.76 5.80
PAPEE AND FAPEEBOARD	1264	1304	1295	1480	1653	1779	1664	1732	1697	1701	1707	3.42
HORTH AMERICA DEVELOPED												
AGEICULTUR AL PRODUCTS												
NH2A1+FLOUE, NHEAT EQUIV. RICE MILLEE	51359 1630	36782 1726	43589 2139	38974 2107	40736 2288	50841 2279	47174 2301	54495 3054	61342 3133	61254 2540	63319 2385	4.5E 4.98
BABLEY NAIZE	5168 33215	3547 29875	4068 33526	5432 44692	4343 40560	4249 50550	4654 594 1 4	4195 63923	6853 56067	7097 49658	7258	5+21 6+11
NILLET Sorghum	5629	5722	5848	5797	6139	23 5184	15 5950	60 8050	24 8032	28 6051	41 5325	1.40
POTATOES	313	356	369	857	503	282	2 8 9	344	395	461	363	36
SUGAE,TOTAL (RAW SQUIV.) PULSES	71 4 16	105 339	291 390	122 400	166 374	149 390	135 470	654 913	11 E7 1141	154 854	323 680	16.19 10.78
SOYBEARS Soybean oil	13250 439	13953 766	12506	15361 506	16234 768	20794 916	20951 1110	21882 1081	21980 809	25652 911	2 277 9 1 7 8 6	7.35 7.50
GEOUNDNUTS SHELLED BASIS GEOUNDNUT CIL	1 E 9 47	255 21	241	130 48	302	381 40	356	285	1 46 20	201 10	224 2	.12 -17.62
COCONUT OTI OILSEED CAKE AND MEAL	11 5075	5 5253	8 4105	26 5370	17 4740	9 6793	5 6845	19 8009	14 74 7 1	13 6917	11 7517	2.95
BANANAS	188	195	187	201	199	201	197	205	217	210	188	.69
OHANGES+TANGER +CLEBEN LEMONS AND LIAES	292 201	328 202	481 183	461	410 236	356 237	318 173	482 171	4 43 176	353 135	497	2.33 -3.26
COFFEE GEEEN+& OASTED	72	85	55	69	106	59	79	79	70	60	43	-2.90
COCOA BEANS TEA	9 3	23 3	9 4	10 3	14 4	9 5	9 5	7 5	14 4	14	16 5	.77 3.60
COTTON LINT	1246	1172	871	779	1017	1347	1527	1823	1269	1392	1205	3.47
JUTE AND SIMILAR FIBRES	1	1	1	1	2	1						-26.33
TOBACCO UNBANUFACTURED NATURAL RUEBER	313 27	335 26	293 29	293 25	314 25	364 20	299 21	293 28	300 18	290 16	264 19	-1.27 -4.67
WOOL GEERSY BOVINE CATILE 1/	1 699	360	1 421	684	651	592	436	424	1 4 4 1	1 563	1 440	3.01 -1.58
SHEEP AND GOATS 1/ PIGS 1/	214 107	293 213	344	250 56	214	153	135	144 254	225	287 342	226 483	-2.36
TOTAL MEAT MILK DEY	441	403 21	472	693 16	700	721	777	973 36	1073 37	967 29	924 37	10.05
TOTAL EGGS IN SHELL	18	21	22	22	38	39	30	61	87	64	31	5.13 12.48
FISHERY PRODUCTS												
FISH FRESH FROZEN FISH CURED	264 49	200 49	236 47	250 62	3.52 65	383 63	414 64	418 76	4 99 87	546 89		
SHELLFISH FISH CANNED AND PREPARED	47 52	39 39	42 36	4 E 4 G	71 51	120 63	1.33 65	115 81	83 93	80 68		
SHELLFISH CANNED+PEEPAR FISH BODY AND LIVER OIL	10 121	8 101	8 93	5 91	9 60	11 110	11 101	11 137	11 117	11 98		
FISH MEAL	63	85	35	63	61	82	40	108	75	42		
FOREST FROTUCIS 2/								_				
SAWLOGS CONTERNUS SAWLOGS NG NCOATERACUS	14248	12118	12196 328	14842	14362	15565 522	17865	15135	1 16 76 7 51	15269 506	17395 755	1.8E 4.07
PULPNOOD + PAFFICLE PUBL NOOD	7837	8402 18	6867 34	8337 27	3710 33	8216 28	9463 16	9887	8382	6605 14	6422 14	85 -6.16
SANNWCOD CONIFEROUS	27338	22944	18553	26375	32305	34492	35407	33612	31770	31423	38256	4.78

.

1/ THOUSAND HEAD 2/ EXCEPT FOI PULP FOR FAFFE AND PAPIF AND PAPIREOARD, ALL FOREST PRODUCTS ARE EXPRESSED IN THOUSAND CUBIC METHES - 141 -

ANNEX TABLE 4. VOLUME OF EXPORTS OF MAJOE AGRICULTURAL, FISHERY AND POREST PRODUCTS

	1973	1974	1975	1976	1977 ••• THCUSA	1978 ND METRIC	1979 : TOKS	1980	1961	19ô2	1983	ANN GAL BAIB CF CHANGE 1973-83 PEBCENI
SAWNWOOD NCNC) NIFFEOUS WOOD-BASED FANFLS PULP FOR PAPAS PAPES AND FAFEBOARD	1072 1558 7162 11255	705 1518 8011 12255	807 1507 6621 9726	814 1567 7603 10935	847 1774 7657 11232	1341 2061 8051 11124	1025 2053 8787 12326	1190 2312 9704 13675	1209 2533 9141 13134	1083 2088 8436 11951	1340 2401 9335 12918	4.64 5.53 2.88 1.86
OCEANIA DE VELOFED												
AGEICULTUABL PEODUCTS												
HERT+FLOUF, HEAT EQUIV. HICE NILLE BALLEY NATZE HILLET SOLGHUH	5659 158 844 19 25 736	5326 137 808 3 31 748	8201 174 1760 1 21 856	7875 216 2022 88 20 815	8196 255 2157 79 23 829	11134 277 1375 32 15 385	6933 241 1757 75 18 516	14955 457 3047 37 14 580	10677 281 1650 52 11 463	10997 596 1599 24 25 1271	8312 405 852 73 19 445	6.31 13.04 2.95 24.91 -4.50 -3.03
POTATOES SUGAL,TCTAL (2 MH EQUIV.) PULSES	21 2087 44	16 1784 42	21 1999 36	25 2002 33	29 2558 40	20 2461 36	18 1842 45	23 2203 72	21 2563 64	23 2502 71	26 2551 105	1.83 2.73 9.36
SOYBRANS GROUNDNUIS SHEILED BASIS CERUNDNUI CI	1 7	2 7	4 2	32 2	4	2	2	12	4	4 1	8	4.35
GEOUNDNUT CIL OILSLED CAKL AND HEAL OBANGES+TAKGEA+CLEMEN LEMONS AND LIMES COCCA BEANS TEA	1 32 1 1 1	2 4 1 1 1	1 15 1	3 16 1	2 11 1	1 22 1	1 25	1 38 4	32 1	1 28 2	1 32 1 1	2,35 5,03 9,40 ~1,20 -17,47
COFTON LINE	22	3	8	16	6	10	24	49	59	79	1 29	33.27
TOBACCO UN BANU FACTURED NATURAL RUEBER						1		1 1	1		1	5•23 5•69
WOOL GREASY BOVING CATIL 1/ SHEEP AND GOALS 1/ PIGS 1/ TOTAL HEAT MILK DEY TOTAL EGGS IN SHELL	859 17 1145 1 1542 48 4	634 34 1159 1 1278 51 2	588 13 1456 1 1183 56 2	750 33 1847 1446 53 2	826 45 3409 1643 100 1	630 71 4143 1667 109 1	705 107 3898 1 1814 123 1	650 74 6172 2 1494 161 1	680 109 5763 1602 137 1	642 121 6097 1493 157 1	660 113 7134 1689 146 2	-1.16 23.78 22.65 -3.66 1.98 14.62 -4.26
FISHERY PRODUCTS												
PISH FRESH FROZEN FISH CURED SHELLFISH FISH CANNEL AND PEEPAHEL SHELLFISH CAAUED+PEEPAH FISH DOLY AND LIVER OIL FISH MEAL	14 17 2 3 8	1.3 16 2 8	12 16 1 2 4	15 14 1 2 8	28 17 2 5	32 20 2 4	54 32 1 2 3	81 1 56 3 2	95 1 57 2 2	87 2 70 4 2		
FOREST PRODUCTS 2/												
SAWLOGS CO MIPLEOUS SAWLOGS NO NCON IPLAOUS PULPHOOLPARTICLE SAWNWOOL CONIFEROUS SAWNWOOL NONCO MIPLEOUS WOOD-BASED PANELS PULP FOE PALAE PAPEL AND FAPERGOARD	1916 9 2199 248 54 93 142 189	1302 12 2931 245 51 52 232 214	534 3061 160 32 61 335 204	956 1 3666 232 23 28 375 269	1027 3 5326 295 31 32 452 302	936 2 5074 367 30 52 435 332	1236 5357 509 41 104 464 359	971 4 70 <i>5</i> 4 617 54 142 475 418	5 29 4 6647 546 35 138 518 447	479 6240 515 34 95 421 340	439 6124 515 35 107 460 356	-9.66 -30.40 11.20 12.36 -1.38 9.70 9.55 7.56
AFRICA DEVELOPING												
AGAICULTUE AL PEDDUCTS												
HHEAT+PICUE,HHEAT EQUIV. SICE HILLEI BABLEY MAIZE MILLEI Somghüm	76 43 65 307 29 5	42 25 22 62 55 55 55	27 17 5 1009 10 10	21 55 472 79 2	20 46 1 434 13	46 13 652 31	31 12 364 78 53	17 21 56 10	19 18 249 41 3	22 9 359 36 15	1 6 820 30 2	-20.70 -14.64 -43.30 -8.55 3.52 2.24
POTATCES SUGAR,TOTAL (KAN BQUIV.) PULSAS	104 1601 465	83 1473 357	97 1139 319	91 1365 410	82 1468 258	58 1296 149	50 1658 148	55 1624 201	36 1493 102	32 1751 161	47 1775 216	-10.51 2.29 -10.68
SCYBEANS SOYBEAN GII GEOUNDNUTS SIELLAD BASIS GEOUNDNUI CIL COEPA COECNNI CII PALA NUIS KEENELS	9 377 239 69 17 254	2 189 155 62 18 320	21 166 226 42 9 269	3 286 290 60 11 353	13 192 258 55 6 239	36 2 64 94 52 5 5 152	1 62 158 45 14 123	1 90 24 15 140	1 36 15 16 107	1 56 159 22 23 101	90 193 16 22 98	-16.47 -8.11 -13.42 5.05 -12.49

1/ THOUSAND HEAD 2/ BACEPT FOR FULP FOR FAFER AND PAPES AND PAPERBOARD, ALL FOREST PRODUCTS ALL EXPRESSED IN THOUSAND CUBIC METRES ANNEX TABLE 4. VOLUME OF EXPORTS OF MAJOR AGEICULIURAL, FISHEBY AND FORBST PRODUCTS

	1973	1974	1975	1976	1977	1978 ND METRIC	1979 : 10 ks	1980	1981	1982	1983	ABNUAL BATE CF CHANGE 1973-83 PEBCEN1
DALM OIL OILSEED CAKE AND MEAL	135 725	196 617	2 0 9 677	157 754	117 709	93 461	63 666	138 477	e1 361	86 509	68 543	-9.03 -4.51
BANANAS OFANGES+TAKGEA+CLEMEN LEMONS AND LIMES	438 914 6	465 729 3	354 592 1	320 664 1	312 744 1	347 873 2	295 672 1	246 847 .1	208 704 1	190 653 1	161 653 1	-9.31 -1.09 -10.60
COFFLE GREEN+RCASSED COCOA BEANS TEA	1187 851 141	1177 864 137	1109 819 135	1151 866 149	880 688 165	930 780 181	1019 594 197	50 1 77 2 16 8	961 890 169	1065 815 192	974 843 195	-1.94 58 3.75
COTTON LINT JUTE AND SIMILAR FIBBES	410 1	317	271	351	300	308	3.39 1	339	3 25	297	296	-1.15
TOBACCO UN BANU FACTURED NATURAL EUEBER	131 197	13 1 20 3	113 186	141 159	129 153	139 145	132 142	174 138	189 146	151 147	146 145	2.88 -3.53
WOCL GREASY BOVING CATLE 1/ SHAEP AND GOATS 1/ PIGS 1/ TOTAL MEAT HILK DEY TOTAL EGGS IN SHELL	5 1405 3368 17 126 3 1	6 1207 3161 13 116 1 1	4 1022 3515 13 102 1	3 1126 2548 15 112 1 1	4 1106 2461 2 118	4 1091 3066 1 99 2	3 11 31 30 73 2 97 4	4 1226 3645 1 47	3 1239 3386 1 50	4 1124 3511 1 45	3 1030 3580 52	-4.50 97 1.42 -34.72 -10.59 -15.04
FISHERY PECDJCTS PISH FRESH FROZEN	106	10 <i>6</i>	76	76	58	109	107	163	1 87	37		
FISH CUEED SHELLFISH PISH CANNED AND PREPARED FISH HODY AND LIVES OIL FISH MEAL	33 23 83 31 142	24 29 80 16 95	30 39 59 12 83	20 43 75 7 43	22 43 70 7 19	20 48 62 7 39	16 34 77 7 23	18 35 80 5 26	19 58 93 5 27	63 1		
FOREST FROEUCES 2/												
SA WLOGS CONTREGOUS SA WLOGS CONTREGOUS PULPWOOD+PAITICLE FUELWOOD CONTFEROJS SAWNWOOD CONTFEROJS SAWNWOOD CONTFEROJS MOD-BASED PAN HIS PULP FOG PAPLE PAPLE AND FARLENDABD	14 8260 28 103 933 340 201 18	14 6580 27 107 813 300 219 30	15 5012 70 98 625 206 121 19	11 6309 127 6 113 664 220 222 22	2 5436 100 9 119 682 241 156 19	2 6226 75 9 116 707 256 199 16	2 6186 112 9 126 680 230 226 24	6002 84 108 597 245 225 21	4 7 27 173 99 529 245 216 20	4840 173 95 594 247 212 9	4790 173 94 651 257 212 12	-36.18 -3.81 30.31 84 -3.37 -1.35 2.10 -5.82
LATIN AMBEICA												
AGEICULTUEAL PRODUCTS	3143	4074	2050	22.45		4454						
WHEAT+FLOUE,WHEAT FQUIV. BICE HILLL BAELEY MAILE Soeghum	3142 310 161 4113 118 2108	1871 348 110 6666 78 3169	2054 437 28 5088 94 2180	3345 535 43 4560 124 3499	6095 999 130 6864 172 4295	1821 732 18 5927 196 4625	4427 573 5950 139 3899	4621 552 74 3557 63 1544	3956 617 32 9198 136 5073	4040 511 24 5807 101 5368	10404 551 54 7301 96 5369	10.88 4.62 -9.38 3.20 43 7.14
PCTATOES SUGAR,TOTAL (EAW EQUIV.) PULSES	11 12000 166	21 12085 175	50 11107 233	99 10533 312	106 13050 424	67 12429 464	77 12726 395	61 12031 340	45 1 26 98 2 85	34 12926 286	39 12866 352	5.91 1.15 5.01
SOYBEANS SOYBEAN GII GROUNDNUIS SULLED BASIS GROUNDNUIS CIL CCED AUT OII PALM NUIS KEANELS PALM SUIS KEANELS PALM GIL OILSEED CAKE AND MEAL	1841 116 56 124 1 9 6 6 2869	2831 42 52 101 2 5 5 6 3130	3435 285 60 38 2 5 4 3	3934 562 24 140 2 5 2 5	3441 544 53 181 5 3 3	2645 570 52 155 9 9	3814 609 97 209 2 8 7 5	4503 640 97 207 4 5 1	3909 1353 85 60 6 1 5	2877 1024 63 113 5 6 3 11	31 99 13 64 1 05 1 04 6 2 7	3.32 32.18 7.82 2.52 -14.41 56 -9.04 1.45
BANANAS	5345	5055	4299	5798 4839	7354 5232	7676 5520	7497 5366	8891 5357	10908 5382	10651 5584	12334 5048	15.51 .64
ORANGES+TANGER+CLEMEN LEMONS AND LIMES	218 11	210 14	190 22	173	224 29	269 47	314 74	308 53	3 17 50	395 33	432 59	8.50 16.62
COFFEE GEBEN+ECASTED COCCA BEANS TEA	2232 174 25	1826 255 30	2055 270 23	2032 209 32	1547 167 34	1960 211 41	2179 226 39	2210 183 44	2124 201 35	2238 24 7 43	2423 226 53	1.68 .22 6.78
COTTON LINI JUTE AND SIMILAR PIBLES	829 4	664 3	806 1	607 1	689	903 1	7.33 2	64 1 2	608	598 1	522	-3.05 -15.75
TO BACCO UN EANU FACTURED NATURAL RUEBER	186 8	24 4 5	244 6	255 7	238 5	274 6	276 4	254 4	271 2	276 3	283 3	2.82 -9.84
WOOL GEEASY	81	64	108	92	108	107	60	104	125	108	87	2.59

1/ THOUSAND HEAD 2/ EXCEPT FOR FULP FOR FAPEE AND PAPEE AND PAPEREDAED, AIL POBEST PRODUCTS ARE EXPRESSED IN THOUSAND COBIC METEES ANNEX TABLE 4. VOLUME OF EXPORTS OF MAJOR AGRICULTURAL, FISHERY AND FOREST PRODUCTS

	1973	1974	1975	1976	1977 THCUSA1	1978 Id Meteic	1979 10 Ks	1980	1981	1982	1983	ANNUAI BATE CF CHANGE 1973-83 PEBCENT
BOVINE CATILS 1/ SHEEP AND GCatS 1/ PIGS 1/ TOTAL MEAT MILK DRY TOTAL BGGS IN SH3LL	1026 48 31 890 15 1	1037 65 33 504 9 1	960 93 42 449 16 1	1103 106 65 775 34 3	1093 112 31 778 18 3	1662 125 24 840 10 2	1404 98 16 816 4 4	854 65 1 749 3, 11	863 312 999 11 14	1094 245 1 1053 17 7	1114 572 2 1083 17 8	.04 20.25 -37.98 5.90 -3.68 29.02
FISHERY FRODUCIS												
FISH FRESH FROZZN FISH CURED SHELLFISH FISH CANNEI AND PREPARED SHELLFISH CANNED+252PAE FISH BODY AND LIVZE OIL FISH MEAL ROCKEE DEDUM RS 24	107 7 54 20 1 10 402	131 90 20 1 93 745	145 5 93 16 3 148 909	196 9 28 39 842	302 99 48 5 46 740	361 3 140 72 2 70 843	407 12 171 76 5 128 1147	397 6 125 135 3 100 1020	3 83 7 1 25 1 64 4 7 9 8 49	135 7 58 84 4 89 680		
PORESI PROIDERS 2/ SAWLOGS CONIFEBOUS	14	9	15	23	167	689	968	1029	377	506	1041	71.61
SANLOGS NC KCM TEBEOUS PULPWCOB*PERTICLE FUELWOOD SAWNWCOD CCNIFEROUS SAWNWCOD LOCHCONTPEROUS WOOD-BASED FANELS PULF FG5 PEPEL PAPEL AND FAPERBOARD	524 264 1530 870 295 296 196	20 2 18 3 1 113 1 83 5 26 5 31 4 23 1	55 107 3 1134 590 252 328 158	86 115 4 1050 629 326 377 199	49 53 18 1429 838 374 433 222	60 26 1477 727 487 706 272	86 37 1678 1121 488 1014 368	114 29 1718 1130 625 1306 407	51 13 1313 993 607 1362 575	44 6 1045 586 612 1283 474	46 10 11 59 8 38 669 15 10 692	-14.56 27.45 11 2.84 11.16 21.47 14.66
NEAL EAST LEVELOPING												
AGRICULTURAL PRODUCTS												
HHAAT+PLOUB, HHAAT EQUIV. HICH HILLL BARLEY HAIZE HILLZI Sogghum	606 341 17 3 9 104	29 181 7 2 5 98	15 130 12 1 4 48	27 256 366 14 6 75	640 276 302 8 3 137	2131 223 50 43 4 66	876 211 58 111 2 196	5#0 259 229 155 2 286	648 1 59 4 24 40 2 56	660 67 1025 53 423	839 44 664 9 300	33.32 -11.86 53.04 38.66 19.10
PCANTOES SUGAR,TOTAI (RAW ZQUIV.) PULSES SOIBBAN OII	328 55 170	300 59 106	209 58 109	382 48 121 1	438 64 176	29 1 55 256	314 37 303	453 45 299 3	393 71 500 5	482 215 577 16	457 261 672 10	5.05 12.42 20.57
GBOUNDNOTS SHELLED BASIS GBOUNDNOT CIL COCONUT OIL PALM OIL	160 2	140 6	218 7	312 2	175 26 1	111 35	52 16	55 33	108 16 1	100 18 1	43 7	-12.51 19.93 8.75
OILSEED CAKE AND MEAL	545	40 1	4.52	368	252	225	214	261	144	10 5	141	-13-87
BANANAS ORANGES+TANGEL +CLEBEN LEHONS AND LIMES	11 703 154	7 674 133	12 697 118	10 71 6 16 2	5 754 131	4 643 151	7 6 19 1 49	19 627 202	20 7 60 2 05	13 710 207	3 765 216	48 .38 5.30
COFFEE GREEN+KOASTED TEA	8 26	6 19	4 4	3 E	3 7	4 10	3 16	2 15	6 17	4 9	2 10	-8.03
COTTON LINI	1097	706	856	1004	710	768	6 6 9	608	5 32	584	823	-4.18
TOBACCO UN MAAU FACTURED	120	123	75	86	71	63	77	94	1 37	109	74	71
WOOL GREASY BOVINE CATTLE 1/ SHAEF AND GOATS 1/ PIGS 1/	25 52 987	10 77 980	8 18 720	7 11 828	12 16 680 1	9 12 1209 1	8 21 1424 3	7 13 2026	3 60 28 52	6 11 2 3 56 7	5 70 4076	-12.01 6.77 18.76
TOTAL MEAT MILK DEY TOTAL EGGS IN SHELL	30 15	22 17	14 12	9 1 1	12 3	15 7	15 10	21 13	73 18	88 1 25	72 1 32	16.64 39.29 12.25
FISHERY PROLUCTS												
PISH FRESH FROZEN FISH COBED SHELLFISH FISH CANNED AND PREPARE SHELLFISH CANNED PREPAR FISH GOLY AND LIVER OIL FISH HEAL	20 9 16 1 1 1	1 € 1 3 1 0 1 2 1	6 12 7 1 2	4 10 10 3 2 1	4 12 10 4 3 2	e 11 8 4 1 1 1	13 5 11 5 2	14 6 11 9 3	21 4 7 6 4	1.3 5 4		
FOREST FROLUCTS 2/												
SAMLOGS COMPEROUS SAMLOGS KONCONIFEROUS FUELLOOD SAMNWOOD CONIFEROUS SAMNWOOD NCHCONIFEROUS	7 24 9 37 23	5 8 7 6 1 2 1	4 17 8 49 1	3 10 8 60 1	9 6 69 1	1 5 5 60	1 3 8 103 2	1 4 84 3	2 36 7 59 6	7 36 6 95 12	11 35 7 148 7	1.16 7.09 -1.60 11.47 .67

1/ THOUSANE HE AD 2/ EXCEPT FOR PULP FOR PAPER AND PAPER AND PAPEREOARD, ALL POREST PRODUCTS ARE EXPRESSED IN THOUSAND CUBIC METAES ANNEX TABLE 4. VOLUME OF EXPOSIS OF MAJOR AGEICULTURAL, FISHERY AND FOREST PRODUCTS

	1973	1574	1975	1976	1977	1978	1979	1580	1981	1982	1983	ABN DAL BATE CF CBARGE 1973-E3
						ND HETRIC						PESCENI
NOOD-BASED FANELS PULP FOE PAPEL PAPEE AND FAPERBOARD	32 10	31 3 22	27 1 9	29 10	26 11	26 10	24 16	19 21	19 35	21 34	25 39	-4.38 14.23
FAR EAST DEVELOPING												
AGRICULTURAL PRODUCTS												
WHEAT+FICUE,WHEAT EQUIV. RICE HILLEE BARLEY HAILE MILLET SOKGHUM	555 2170 19 1627 3 135	145 1993 95 2551 2 189	115 1862 2276 213	83 3608 32 2483 182	264 4749 39 1768 8 138	967 3083 13 2196 3 166	755 5031 73 2143 6 170	462 5323 259 2340 2 208	295 6023 248 2703 2 288	155 5096 884 3014 1 317	217 5498 247 2867 246	2.72 13.03 53.33 3.79 6.05
POFATOES SUGAE,TOTAL (E AM EQUIV.) PULSES	39 2000 231	35 2594 167	46 2900 170	95 3639 191	73 4511 161	55 2822 245	99 3165 291	105 2631 312	81 29 31 342	72 4272 378	64 3781 327	7.16 4.04 8.12
SOYBEANS SOYBEAN OII GROUNDNUTS SHEILAD BASIS GROUNDNUT CIL COCOUT OII PALM AUTS KEANELS FALM CII OILSEEL CAKE AND MEAL	59 8 62 10 800 525 42 1284 2244	18 7 109 7 283 508 29 1411 2007	32 86 9 834 760 33 1726 20€1	38 2 174 10 878 1004 33 1897 3353	47 69 5 683 845 30 2067 2870	30 7 24 6 445 1112 13 2168 2582	27 6 40 16 193 976 23 2634 5389	27 27 55 233 1061 45 3295 2913	27 32 117 5 172 1192 24 2953 2858	27 49 107 6 232 1064 15 3444 3154	26 70 80 27 68 1146 14 3642 3283	-3.98 31.66 69 2.67 -17.94 8.00 -7.54 11.26 4.25
BANANAS Obanges+tangea +clenen Lencus and limes	503 41	705 39	872 137	84£ 37	738 113	832 65 1	921 81 2	572 81 1	923 44 7	983 55 2	654 70 2	3.06 1.76 90.44
COFFEE GEEEN+HOASTED CCCOA EEANS TEA	206 10 454	203 14 458	226 15 502	262 18 512	2£7 18 499	339 24 459	335 32 481	369 41 523	3 82 64 5 5 3	4 10 88 483	403 87 481	8.20 25.64 .72
COTTON LINI JULE AND SIMILAR PIBLES	248 867	96 860	244 566	218 646	56 543	128 473	134 521	394 456	466 480	329 426	368 453	10.40 -6.42
TOBACCO UN MANU FACTURED NATURAL BU FEEL	196 3048	212 2869	158 2737	210 2967	232 3027	215 3080	194 3179	200 3 10 1	252 2926	22 7 2886	206 3207	-87 -56
WOOL GEEASY BOVINE CATILE 1/ SHEEP AND GOATS 1/ PIGS 1/ TOTAL MEAT MILK DEY TOTAL EGGS IN SHELL	2 123 20 13 19 2 4	3 114 28 5 26 3 3	1 74 28 10 33 4 5	2 73 60 22 44 5 6	98 215 7 60 5 10	1 78 70 68 7 6	66 54 12 67 10 5	59 120 8 94 13 3	47 74 13 97 10 6	52 81 89 111 10 6	66 84 117 113 9 5	-22.09 -7.34 13.26 21.81 19.79 16.34 1.56
FISHERY FACDUCIS												
PISH FRESH FROZZN FISH CURED SHELLFISH FISH CANNET AND PREPARET SHELLFISH CANNED+PREPAR FISH BOLY AND LIVER OIL FISH MEAL	302 54 218 11 23 78	285 36 212 18 26 1 63	418 32 228 18 27 1 57	285 30 291 26 21 1 84	543 29 262 36 32 116	561 312 49 29 3 142	553 28 350 47 30 2 165	555 25 305 55 42 153	523 26 321 80 33 1 1.53	292 9 245 85 39 106		
FOREST FLOCUCIS 2/												
SAWLOGS CONFREGUS SAWLOGS NONCONFREGUS PULLWOOD SAWNWGOD CONFREGUS SAWNWGOD CONFREGUS WCOD-BASED PANELS PULF FOE PAPER PAPEE AND FAPEBOARD	14 39605 754 212 188 4352 3076 11 173	9 34240 986 215 117 3661 2424 5 114	356 28203 930 154 134 3298 2512 104	423 35756 697 179 251 5551 3110 175	394 37017 1033 190 258 5374 3198 139	270 38457 860 145 425 5463 3342 154	.396 35843 736 142 461 7236 3159 146	327 31533 1003 217 410 6398 2933 1 292	294 24034 1033 194 254 5518 3585 2 290	130 24 318 909 186 197 5901 3425 2 2222	130 23161 904 211 153 6564 4056 4 216	20.66 -4.28 1.17 .20 4.24 5.69 3.42 97 7.46
ASIAN CENT PLANNED BOON												
AGRICULIUR AL PRODUCTS												
WHEAT+FLOUE,WHEAT EQUIV. BICE MILLYE BALLY MALEA MILLET Sorghum	12 2743 16 65 33	2832 130 30	4 2336 6 315 56	4 1547 2 430 52	6 1498 356 37	8 2094 1 230 30	9 19¢2 240 20 10	4 1710 104 5 1	9 985 141 1	6 1084 96 2 3	7 1289 1 87 2 4	.90 -8.50 -18.38 -4.76 -32.61
PCTATGES	54	49	50	55	53	62	٤1	77	80	89	83	6.5E

1/ THOUSAND HEAD 2/ EXCRET FOR PULP FOR FAPEE AND PAPES AND PAPESEOARD, AIL FOREST FRODUCTS ARE EXPRESSED IN THOUSAND CUBIC METRES ANNEA TABLE 4. VOLUME OF EXPORTS OF MAJOE AGFICUITORAL, FISHERY AND POPEST PRODUCTS

	1973	1974	1975	1976	1977 •• THCUSA1	1978 No metric	1979 TONS	1980	1981	1962	1983	ANNUAL BATE CF CHANGE 1973-63 PERCENT
SUGAE,TOTAI (EAM BQUIV.) Pulses	647 115	720 86	639 83	67E 97	777 89	493 76	514 90	657 71	4 40 1 11	459 103	236 108	-7.38 .61
SOYBEANS SOYBEAN OII GROUNDNUTS SHELLED JASIS GROUNDNUT CLL CCPSA PALL NUTS KEANSLS PALL CIL	321 32 22 1	375 37 29 1	355 37 21	199 1 45 16	130 2 25 5	113 6 30 13	306 4 49 18	140 4 91 21	1 38 2 45 57	149 1 127 55 1 1	350 2 161 81 2	-5.27 35.03 20.78 13.60
OILSEED CAKE AND MEAL	43	31	29	36	30	31	49	ê7	2 08	341	810	34.24
BANANAS ORANGES+TANGEN+CLEMEN	270 89	165 78	127 76	96 52	140 74	101 81	117 73	109 70	1 03 54	112 58	133 70	-4.98 -2.51
COFFEE GREEN+LCASIED TEL	6 63	6 73	4 77	12 77	4 104	10 ⁵	5 126	4 125	1 107	10 117	12 102	•42 6•03
COTTON LINI JUTE AND SIMILAR PIBLES	22 2	2 2 1	43	65 2	71 3	33 8	22 20	2 35	1 4 1	3 43	45 46	-19.07 57.98
TOBACCO UNBANUFACIUSED NATURAL AUEBER	38 40	51 49	42 17	33 49	37 50	35 41	35 50	32 39	28 31	31 34	42 39	-2.49 29
WCOL GREASY BOTINE CATILS 1/ SHEEP AND GOATS 1/ PIGS 1/ TOTAL HEAT TOTAL HEAT TOTAL EGGS IN SHELL	23 160 1220 2794 262 41	22 147 1225 2601 167 40	24 199 1030 2775 205 39	25 195 873 2953 201 38	21 195 482 3016 155 35	22 181 443 3129 210 42	24 224 463 3079 246 51	23 272 448 4546 251 54	21 2 63 3 30 31 89 2 50 56	16 257 312 3216 283 57	12 245 355 3257 275 61	-4.56 5.63 -13.98 2.69 3.57 5.27
FISHERY PRODUCTS												
PISH FRESH FRÖZEN PISH CURED SHELLFISH PISH CANNED AND PREPAREI SHELLFISH CANNED+PERPAR PISH MEAL	193 5 45 6 8 3	153 4 45 6 7 3	182 5 44 6 7 1	174 4 53 14 11	207 3 51 13 11	130 6 55 21 14 1	134 9 68 31 10	49 2 61 31 6	54 3 65 31 9	5 2 20 32 1		
POLEST FROIDLES 2/												
SAMLOGS CCAIFLEOUS SAMLOGS NO ACONIFLEOUS SAMNGOD CCAIFLEOUS SAMNGOD NCNCO NIFLEOUS MOOD-BASED PANHIS PULF TOR FREE PAPEL AND FAPELEOABD	129 5 53 160 959 18 116	157 3 6£ 118 687 23 107	177 17 95 133 770 30 132	128 12 103 136 872 22 122	128 12 102 91 949 22 122	128 12 111 115 1244 33 121	123 15 102 63 1096 35 95	117 6 93 52 685 33 158	1 05 9 41 9 57 75 1 61	107 3 95 66 834 68 175	1 10 14 95 68 884 58 1 52	-3.72 3.05 3.80 -10.63 1.10 13.61 4.20

1/ THOUSAND BEAD 2/ EXCEPT FOR PULP FOR FAFIE AND PAPES AND PAPESEOASE, ALL FCEEST PRODUCTS ARE EXPRESSED IN THOUSAND CUBIC METEES

	1973	1974	1975	1976	1977 US \$ P	1978 Re Hetbic	1979 TO K	1980	1981	1982	1983	ANNOAL BATE CF CHANGE 1973-83 PEBCENT
AGEICULTURAL PRODUCTS												
WHEAT WHEA1 FLOUE RICE AILLEL BABLEY MAIZE	106 135 223 94 \$2	171 210 398 135 129	169 237 374 140 136	153 215 277 136 123	125 191 263 132 111	131 199 345 137 117	163 224 323 145 128	186 284 382 175 150	1 88 294 4 37 1 75 1 54	172 244 336 160 126	162 193 306 144 142	2.88 3.46 2.04 3.73 2.87
POTATOES SUGAR CENTEIFUGAL RA#	114 169	111 400	149 555	246 376	197 295	157 341	188 355	185 537	178 504	186 399	170 409	3.67 4.14
SCYBEANS SOYBEAN OII GRUMNANUTS SHALLED GRUMNANUTS SHALLED COCO NUT OIL PALM NUTS KEENELS PALM CII PALM CII PALM CII CASCOG BEANS CASTOG BEANS CASTOG BEANS CASTOG BEANS COTTONSEED COTTONSEED COTTONSEED LINSEED LINSEED OIL	216 358 340 210 358 179 255 342 1168 384 967 100 355 258 316	246 7013 929 508 929 829 829 829 1791 329 838 136 602 426 900	225 695 801 237 418 462 455 1855 1855 1855 1855 139 675 336 762	216 4567 183 360 360 362 402 314 5577 5551 5551 520	272 586 814 314 552 266 514 538 1259 334 883 168 599 273 500	250 617 946 369 627 262 554 617 1363 332 801 177 607 216 379	271 675 679 965 569 938 357 617 896 1649 345 803 171 682 281 542	264 625 692 777 396 651 264 564 565 364 955 364 955 364 970 185 511 628 511	2 82 5 41 9 70 9 90 3 08 5 37 5 28 5 46 5 7 70 3 51 8 56 1 97 6 28 3 26 6 6 52	243 483 650 260 461 212 442 454 1748 305 821 143 535 284 532	256 493 623 317 513 224 443 574 1499 283 838 132 550 273 416	1.73 .12 6.36 2.11 1.33 1.01 3.25 2.07 1.91 .50 1.29 2.92 1.73 -1.15 66
BANANAS OFANGES APPLES RAISINS DATES	94 154 249 726 166	99 164 241 907 214	128 206 316 716 246	138 201 273 677 242	144 222 352 965 320	157 267 410 1080 387	168 349 399 1563 414	186 361 437 1672 460	1 97 3 48 4 14 1 4 80 6 03	205 331 440 1208 642	213 318 341 1095 666	8.62 9.13 5.46 7.22 15.22
COFFEE GREEN COCCA BEANS TEA	11,37 342 935	1259 1327 1087	1180 1397 1269	2264 1506 1239	4229 2811 2205	3169 3138 2057	3152 3297 1970	3317 2679 2050	22 69 17 89 19 53	2315 1600 1785	2333 1627 1977	8.00 5.70 7.46
COTTON LINI JUTE JUTE-LIKE FIBLES SISAL	879 251 193 320	1295 247 170 716	1120 237 203 469	1294 267 210 342	1536 277 250 380	1359 357 245 380	1529 382 248 478	1624 380 264 589	1715 310 182 539	1 44 0 282 27 7 48 5	1520 263 182 429	4.54 2.39 1.62 1.51
TOBACCO UN MANU FACTURED NATUKAL KUEBSA RUBBEK NATURAL DAY	1502 557 573	175 1 822 712	2079 556 548	2180 749 723	2361 606 796	2643 919 916	2773 1214 11 80	2817 1311 1309	29 58 11.31 10 64	3233 825 799	3118 975 965	7.38 6.06 6.22
WOOL GEEASY CATLE 1/ BEEF AND VEAL MUTCON AND LAME PIGS 1/ BACON HAM OF SWINE MEAT PREPARATIONS EVAP COND WHOLE COW MILK MILK OF COWS SKIAMED DEY BUTLEK OF COWAILK CHEESE OF WHOLE COWMILK	2057 284 1659 872 78 1507 1040 1537 482 660 991 1461	2803 267 1521 1223 81 1620 1032 1735 559 642 1318 1713	1765 305 1733 1071 90 2069 1132 1500 681 992 1728 2021	1797 287 1650 90 1979 1180 1530 636 812 1676 1965	2160 306 1861 1143 100 1849 1232 1521 658 638 1732 2146	2221 353 2157 1390 104 2242 1314 1615 756 744 2244 2533	2463 416 2390 1590 1624 1394 2151 854 843 2260 2790	2824 443 2513 1762 106 2882 1467 2612 929 1074 2466 2590	2962 429 2377 1863 108 2736 1363 2492 919 1106 2631 2735	2890 404 2468 1821 111 2560 1179 2195 930 1072 2712 2634	2500 385 2264 1551 97 2280 1035 2096 886 867 2392 2482	3.41 5.01 5.19 7.13 5.45 1.49 5.56 3.23 9.12 5.97
FISHERY PACDJCIS												
FISH FRESH FROZEN FISH CUBED SHELLFISH FISH CANNED AND PHEPABEE SHELLFISH CANNED+PEBPAS FISH HODY AND LIVSE OIL FISH MEAL	664 914 1789 1186 2240 272 401	669 1237 1849 1342 2620 467 377	746 1300 2093 1330 2861 338 243	897 1486 2579 1446 3133 362 324	1051 1639 2753 1709 3403 430 425	1130 1798 3111 2042 3996 433 410	1237 2076 3637 2292 4623 417 390	1219 2398 3834 2272 4817 434 473	1252 2534 3765 2317 4572 404 464	1.378 2167 4729 2152 4955 338 352		
FOREST FROEUCES												
SANLOGS CONTREADUS 2/ SANLOGS NO NON IPLAOUS 2/ PULPNOODPARITICLS 2/ PULPNOOD 2/ SANNNOOD CONTREADUS 2/ SANNNOOD CONTREADUS 2/ SANNNOOD NONCONTR. 2/ NOOD-BASED TANELS 2/ PULP FOR PAPER PAPER AND FAPEBEDJAED	46 40 17 21 74 105 167 174 245	53 48 22 37 96 133 187 279 349	52 39 25 43 89 128 183 351 411	52 50 23 93 134 197 336 406	59 53 24 48 101 152 211 314 421	63 57 25 64 168 164 228 281 453	84 93 26 78 131 215 283 360 506	90 101 36 104 138 243 315 442 572	81 87 39 1 21 1 27 2 22 2 94 4 49 5 67	73 90 34 95 114 211 263 408 556	64 89 30 105 114 216 280 355 496	5.34 10.34 6.56 16.47 4.56 8.14 6.46 6.08 6.78

1/ U.S. DOILARS PER HEAD 2/ U.S. DOILARS PER CUBIC METRE

	1973	1974	1975	197£	1977	1978	1979	1980	19 81	1982	1983	ANNGAI BATE CF CHANGE
	• • • • • • • • • • • •	•••••	• • • • • • • • • •	•••••	IHCUSA	ND METEIC	1055	•••••			••••	1973-83 Percent
HOPT D												
MORLD AGRICULTUE AL PRODUCTS												
WHERT+FLOUR, HHERT FQUIV. HICE HILLEI BABLEY MALLE HILLEI Sorghum	76993 9012 12096 47000 386 7369	67705 8400 12422 49533 446 10199	73922 7557 12512 51708 318 \$228	72243 9160 13703 61873 313 10481	70916 9971 12355 55045 356 10855	80070 10255 14749 67880 339 10399	85380 12270 14767 74670 348 10173	97847 12503 15016 79657 250 10592	104074 13750 18635 80277 202 13711	108671 11336 18426 69349 229 13492	106828 12043 16886 69912 230 11029	4.96 4.57 4.46 5.05 -6.27 4.04
POINTOES SUGAR, TOTAL (NAM SQUIV.) PULSES	3834 23284 2014	3826 22715 1672	3761 22079 1863	4.32.5 22669 1883	4727 27528 2050	3908 24522 2056	45£7 26519 2353	4665 27123 2917	4703 28706 3068	5222 29748 2925	4791 28857 3060	2.90 3.01 6.41
SOYBEANS SOYBEAN OII GROUNDUTS SHELLED BASIS GROUNDUT OIL COCOLUT OII PALE NUTS REENILS PALE OII OILSEED CAKE AND HEAL	14675 1052 962 537 1061 766 295 1549 15385	17513 1514 864 387 545 625 343 1560 14824	16313 1374 889 428 1033 955 278 1884 14911	19983 1616 1030 512 1215 1411 349 2018 18475	19623 2072 815 596 919 1084 292 2471 19351	23412 2403 805 475 804 1259 169 2319 22082	26125 2869 777 474 458 1198 161 2703 23941	27078 3254 707 513 464 1125 182 3457 25486	2 62 94 32 67 719 354 398 14 28 161 3069 271 85	28538 3612 817 416 483 1303 121 3562 28542	26706 3506 768 515 267 1299 145 3802 32228	6.84 13.39 -2.50 65 -11.03 6.02 -9.72 9.54 8.50
BANANAS OBANGES+TANGES +CLEMEN LEMONS AND LIMES	63 85 49 52 778	6345 4871 836	6308 4991 830	6346 5119 936	6577 5276 912	6862 4971 963	7036 5054 965	6803 5234 991	6784 5023 972	6766 5160 1040	6066 5108 1009	.39 .37 2.59
COFFEE GREEN+ACASTED COCOA BEANS IEA	3654 1171 758	3463 1155 822	3676 1192 806	377£ 1159 846	3126 1006 699	3435 1096 829	3913 1026 867	3799 1068 914	3814 1242 8£1	3867 1251 905	3968 1256 901	1.12 .59 1.52
COITON LINI JUTE AND SIMILAR PIBEZS	4774 873	409 1 85 9	4083 579	4103 682	4018 572	4506 492	4520 574	5069 574	4409 512	4554 533	4317 527	•64 -4•57
TOBACCO UN MANUFACTURED NATUAAL LUEBER	1237 3262	1283 3349	1301 3130	129E 3275	1258 3389	1423 3351	1395 3493	1407 3391	1444 3285	1405 3157	1387 3440	1.39 .25
WOOL GREASY BOYINE CATILE 1/ SHEEF AND GOARS 1/ PIGS 1/ TCTAL MEAT MILK DRY TOTAL EGGS IN SHELL	548 7084 11146 5778 5489 264 444	74 8 595 7 10 29 3 598 5 504 4 31 5 50 5	844 6410 11210 6377 5536 267 529	1034 6702 10701 6802 6019 338 516	670 6782 13143 6703 6617 459 574	883 7351 14337 7759 6934 460 637	918 7341 16219 6 14 4 7560 500 675	853 6777 17371 10622 7897 585 742	878 6994 18471 98 <i>6</i> 6 6424 560 770	823 7347 18767 9193 8626 555 809	826 7168 20855 9477 8683 537 794	47 1.17 7.76 6.17 5.57 8.85 6.38
PISHERY PAGDUCTS												
PISH FRESH FEO 22N FISH CUBED SHELLFISH FISH CANNET AND PAEPAREE SHELLFISH CANNED+PBEPAE FISH BODY AND LIVER OIL FISH HEAL	2816 413 717 735 134 631 1720	2918 376 770 767 130 624 1908	2835 377 822 713 129 631 2288	2971 366 939 857 145 613 2193	3167 327 876 797 154 569 2212	3485 340 1051 891 160 654 2058	3829 374 1152 932 161 762 2419	4287 390 1080 1023 170 £15 2250	4390 369 1118 1064 179 706 1992	2930 195 782 623 126 503 1436		
FOREST PRODUCTS 2/												
SA WLOGS CONTRIBOUS SA WLOGS NO KCON HEREOUS PULEWCOD+PAFTICLE FUELGOD SAWNKOOD CONTFELOUS SAWNKOOD CONTFELOUS WOOD-BASEL PAN FLS FULF FOR PAPEA PAPEE AND FAPEBUOLED	29838 49430 28801 1679 60799 10562 16063 16568 27015	26831 45228 33914 1816 52077 9563 13712 17385 28938	24329 35773 31445 1684 42394 7982 12380 13504 22993	27706 44192 31886 1550 54302 10400 14555 15275 26548	29281 46216 36158 1627 60762 11243 14540 15351 27753	29839 47651 33914 1337 65293 11610 15836 17394 30358	31496 48240 38657 1383 67379 13252 16759 18583 32199	28026 42218 42328 1397 63090 12692 15617 19119 33495	23791 35122 42384 942 58068 11279 16397 18427 33841	26508 33064 36574 1077 59415 10702 15181 17098 35157	2 6713 33423 36861 1353 66621 11316 16699 19122 3 5304	14 -2.97 2.83 -4.69 2.14 2.20 1.56 2.04 3.38
NESTELN BULOPE												
AGRICULTURAL PRODUCTS												
WHEAT+FLGUE,WHEAF EQUIV. EICE MILLEI BAALEY MAILE MILLEI Soeghum	13594 797 5364 22641 138 1139	12558 794 £345 24324 106 2800	12460 797 5477 25301 112 2669	13184 1214 6329 26440 90 2893	12602 1310 6136 26733 182 2146	13383 1466 6567 24757 195 1425	12979 1299 5105 24817 150 1166	14120 1288 5255 23455 98 1251	13330 1487 5966 21740 109 1091	13957 1681 6194 21099 121 2149	10478 1572 6660 16829 139 683	46 7.91 .63 -2.03 .35 -7.51
POTA10ES SUGAR, FOTAI (KAW ZQUIV.) PULSZS	2390 4950 1103	2235 5335 780	2372 5263 794	3149 4608 828	2999 4237 868	2565 3521 907	2808 3448 1054	3051 3137 1014	3025 3074 923	3228 3206 1066	3174 3061 1318	3•22 -6•19 2•92
SOYBEANS	8327	11275	10524	11719	11612	14201	15311	16217	14414	16454	14933	5.90

1/ THOUSAND HEAD 2/ EACEFI FGE PULP FOR FAPEE AND PAPEE AND PAPEEBOAED, ALL FCREST PRODUCTS ARE EXPRESSED IN THOUSAND CUBIC METERS

	1973	1974	1975	1976	1977	1978 ANE METEIC	1979 5 TO 85	1980	1981	1982	1983	ANNUAI BATE CH CHANGE 1973-83 PERCENI
SOYBEAN OII GROUNDNUTS SHELLEJ BASIS GROUNDNUT CLL COPRA COCONUT OII PALM NUTS KEENELS PALM CII OILSEEL CAKE AND MEAL	316 694 422 630 277 251 752 11030	545 614 327 354 177 329 698 98 98	575 603 338 816 281 260 797 10101	532 726 351 961 427 860 12778	502 558 355 670 331 271 829 12663	559 541 325 515 395 153 781 15318	5E0 528 407 294 390 137 856 16705	675 413 446 252 414 147 833 17391	6 43 3 89 2 56 1 84 5 61 1 40 7 22 1 6 2 05	681 433 349 280 537 106 735 19299	743 392 396 113 513 114 859 21465	5.73 -5.56 .15 -14.66 9.22 -10.86 .50 8.17
BANANAS Ofanges+TANGer+Clenen Lenens and lines	2556 3459 378	2427 3200 386	2329 3198 398	2256 3176 432	2430 3322 408	2525 3143 428	2460 3227 432	2221 3222 425	2172 2969 416	2178 3185 452	2018 3118 451	-1.66 65 1.56
COFFEL GABEN+ A CASTED COCCA BEANS TEA	1674 584 298	1642 574 313	1747 564 289	1810 565 297	1543 561 336	1703 590 250	1955 569 278	1929 616 297	1997 664 244	1996 721 287	2061 648 267	2.38 1.94 ~1.45
COTTON LINT JUTE AND SIMILAR FIDRES	1543 353	1145 356	1188 177	1318 232	1135 216	1216 157	1150 182	1258 132	1015 120	1147 97	1249 87	-1.44 -12.47
TOBACCO UN MANUFACIURED NATURAL BUEBHA	68 1 947	661 958	677 875	695 941	677 950	785 861	743 925	701 892	679 838	669 844	6 81 8 3 7	.16 -1.26
WOOL GEFASY BOVINE CATLE 1/ SHEEP AND GOALS 1/ PIGS 1/ Total HEAT MILK DEY Total EGGS IN SHELL	423 3305 2529 2619 3446 102 270	370 2691 1968 3009 2876 85 318	391 3444 2570 3314 3103 92 311	528 3306 2370 3629 3316 117 307	418 3175 2354 3284 3461 \$8 327	437 3472 2724 3670 3762 115 366	444 3529 2913 4362 3787 128 400	399 3404 2920 5202 3760 147 430	394 3210 2183 5495 3504 123 431	353 3478 2274 4681 3770 135 444	314 3402 2751 4886 3875 136 441	-1.93 1.03 1.04 6.62 2.16 4.55 5.27
FISHELY PECDUCIS												
FISH FRESH FROZEN PISH CURED SHELLFISH PISH CANWEL AND PREPARET SHELLFISH CANNED+PESPAR FISH GODY AND LIVER OIL FISH MEAL	1143 186 245 310 57 569 1106	1231 181 261 288 556 551 1086	1147 158 295 274 60 558 1204	1132 158 328 307 63 537 1187	1230 157 271 299 68 510 1063	1332 163 344 290 73 564 1070	1471 167 365 315 60 666 1215	1602 188 411 339 87 666 1155	1603 164 407 338 85 637 1007	861 95 132 182 34 476 900		
FOREST PRODUCTS 2/												
SAULOGS CONFEROUS SAULOGS NOACONTERROUS PULPHCOD+PATTICLE FURLWOOD SAUNWOOD CONIFEROUS SAUNWOOD CONIFEROUS WOOD-DASED PAN ELS PULP FOE PAPER PAPEE AND FRASEBOARD	4316 10952 14941 1413 28214 5677 6157 9305 12502	4756 6928 10155 1597 23709 4033 6552 9594 13523	3221 6585 17920 1470 17176 3620 6076 7234 5907	4417 8858 17252 1343 23111 5435 7564 8370 12368	4890 8793 16718 1379 22096 5521 7524 8217 12631	4094 7715 15254 1106 23684 5620 8440 9369 13602	4547 6056 17865 1129 27274 6724 5652 5949 15046	5103 8427 20907 1167 25507 6088 8951 5543 15107	4507 6903 24780 725 21514 4938 8956 9456 15740	4660 6146 20515 22724 4898 8459 8735 15755	4518 6206 15994 1092 23755 5202 8920 9395 17088	1.25 -4.06 3.11 -5.81 .05 1.55 2.75 3.83
USSE AND BASTERN EUROPE												
AGLICULTURAL PRODUCIS HEBAT+FICUE, MIRAT RQUIV. RICE MILLEE BARLEY MATLE MILLET SORGHUM	20147 417 3416 7816 31	7448 441 2368 6527 322	13457 543 3283 5131 310	13099 647 4116 17664 1041	11996 725 2225 7493 705	13101 710 4137 17809 1 830	16167 940 4559 20175 1 229	21293 994 4311 18863 1 1567	245 E3 1599 6007 22075 1 3967	27256 1127 3147 14959 1 2709	25887 615 3567 8464 1 2078	9.04 9.56 3.66 6.81 39.81
PCFATOES SUGAR,TCTAL (EAW EQUIV.) PULSES	584 3578 32	642 2920 49	514 3951 59	368 4606 39	664 5652 33	301 4667 39	512 4945 41	297 5841 62	330 6443 85	481 5156 58	184 7091 39	-7.81 8.66 3.70
SOYBEANS SOYBEAN OII GROUNDWITS SHELLID BASIS GROUNDHUT CIL COCAUT OII PALM NUTS KERNELS PALM OII OILSEED CAKE AND MEAL	914 34 52 1 28 24 13 10 3009	265 38 66 25 27 3 22 3404	520 31 59 4 29 42 4 17 3541	2085 72 54 25 93 4 28 3552	1544 94 59 2 38 48 4 4 67 3704	1409 103 57 26 66 4 58 3699	23 60 122 46 2 18 58 3 113 4033	1768 154 54 1 20 85 4 112 4599	1653 203 61 10 77 184 5312	1908 320 67 15 99 384 5172	1933 243 53 1 14 79 2 302 5989	14.61 26.42 02 -15.00 -9.05 12.71 42.46 6.46
BANANAS ORANGES+TANGEE +CLEMEN LEMONS AND LEMES	189 680 273	19 8 762 30 8	267 715 310	224 693 330	281 727 314	299 719 327	258 650 309	269 750 333	232 688 3 0 8	155 643 353	167 585 297	~1.46 -1.31 .87
COPFEL GREEN+ECASTED COCCA BEANS TEA	171 215 54	163 250 69	205 280 88	199 256 82	201 175 80	178 202 71	201 158 79	228 201 102	203 1 99 1 16	204 178 107	202 235 110	1.36 -2.05 6.15
COFTON LINI	710	74 8	769	679	720	681	718	743	638	694	825	•06

1/ THOUSAND HEAD 2/ EXCEPT FUE FULP FUR FRFFF AND PAPEE AND PAPEEBOARD, ALL POREST PRODUCTS ARE EXPRESSED IN THOUSAND CUBIC METGES ANNEX TABLE C. VOLUME OF IMPORTS OF MAJOR AGFICULTURAL, FISHERY AND FOREST PRODUCTS

	1373	1974	1975	1976	1977	1978	1979 Tul bSan - an	1980	1981	1982	1983	AANUAL BATE CF CHANGE 1973-63 PERCENT
JUTE AND SIMILAR PIBESS	85	67	83	£0	68	70	79	93	111	122	93	3.83
TOBACCO UNMANUFACTULED NATURAL EUEBER	151 495	142 548	147 473	12€ 485	133 409	135 433	133 437	178 441	196 418	201 360	187 421	3.72 -2.68
WOOL GEFASY BOUTNE CATLE 1/ SHARP AND GOATS 1/ PIGS 1/ TOTAL MEAT MILK DRY TOTAL EGGS IN SHELL	148 90 1907 126 265 22 51	151 232 1918 103 597 28 51	162 506 1520 185 545 23 52	162 195 1401 59 416 28 37	161 224 1103 306 757 43 43	182 84 1243 523 267 29 43	1 88 176 12 51 5 02 6 46 42 47	182 180 1276 604 956 71 43	1 74 1 69 11 67 9 59 12 28 78 34	173 167 1187 735 1091 90 36	199 150 1242 791 1091 47 31	2.45 -1.17 -4.37 28.12 12.55 13.63 -4.31
FISHERY PECLUCIS												
PISH CUEED SHELLFISH FISH CANNEL AND PREPARED	120 19 27	132 18 26	141 24 41	159 28 52 4	147 18 41 7	224 16 38 6	241 17 38 5	273 19 2 41 26	1 63 28 43 15	68 20 12		
FISH BODY AND LIVE OIL FISH MEAL	15 267	28 458	34 498	445	407	389	454	303	221	148		
FOREST FROEUCTS 2/												
SAHLOGS CONTRIGUES SAMLOGS CONTRIGUES PULPWOOD+PARTICLE FUELWOOD SAMNWOOD CONTRIGUES SAMNWOOD CONTRIGUES SAMNWOOD CONTRIGUES NOD-HEASED PAN HLS PULP FOR PAPER PAPER AND FAPERGARD	11 68 577 1208 5 2641 354 923 913 1417	1248 541 1533 5 3438 441 1117 859 1507	630 568 1722 5 3599 442 1245 1106 1713	787 556 1549 2702 366 1386 1040 1706	885 536 1440 5 3157 363 1314 1027 1712	960 442 1345 5 3228 326 1132 1036 1709	720 416 1446 2644 268 1045 1005 1784	1050 454 1583 2665 274 1137 1155 2044	960 487 1390 2864 331 1115 1092 1969	500 385 1248 3 2797 213 942 1031 1967	659 367 1286 4 2641 226 831 1081 1951	-5.13 -4.34 -1.00 -3.96 -1.65 -6.07 -1.55 1.56 3.22
NORTH AMBEICA DEVELOPED												
AGRICULTURAL PRODUCTS												
WHEAT +FLOOD, WHEAT EUUIV. RICE MILLL BARLEY MALEZ MILLEI SOFGHUM	4 92 1 81 8 25 1 1	83 71 328 1320	17 74 307 618	23 80 195 838	35 80 180 623 1	1 82 108 476 1	5 91 157 849	6 94 140 1228	1 106 127 1276	57 126 198 507 2	53 128 141 352	-2.07 5.05 -5.92 -3.42 -10.56 -4.38
PCTATOES SUGAR,TOTAI (EAN SQUIV.) PULSES	175 5708 32	239 6140 66	208 4492 44	213 5054 34	3 01 6383 53	235 4835 43	242 5406 39	212 4595 43	340 5459 61	344 3467 47	278 3665 48	4.69 -3.81 1.63
SOYBEANS SOYBEAN OII GROUNDRUTS SHELLED BASIS GROUNDRUT CIL CCPEA	60 7 199	34 60 27	385 23 61 7	422 31 62 8	318 28 55 7	325 35 66 6	351 22 63 5	483 12 55 5	382 9 72 4	468 4 61 4	315 35 67 6 475	2.35 -8.95 .94 -5.21 3.77
COCONUT OII PALE OIL OILSEED CAKE AND HEAL	2 8 0 19 6 21 6	271 217 -300	435 483 301	603 41.6 386	495 282 374	503 173 426	527 163 491	422 137 431	4 76 1 38 4 43	427 132 457	475 168 446	-8.09
BANANAS ORANGES+TANGEK+CLEMEN LEMUNS AND LIMES	2169 265 19	2268 259 20	2179 264 23	24 11 339 24	2410 380 27	2543 303 34	2659 294 36	2669 320 38	2794 333 43	2935 317 38	2708 329 40	2.94 2.04 8.80
COFFEE GEEEN+=CASTED COCCA BEANS TEA	1405 268 102	1246 238 105	1324 248 96	1290 252 106	986 186 117	1195 226 91	1277 179 101	1 19 0 16 2 10 7	1104 264 107	1150 213 103	1089 233 97	-1.84 -1.67 13
COFTON LINI JUTE AND SIMILAR FIBLES	86 33	72 31	61 23	73 25	53 14	59 17	61 23	65 10	63 18	52 18	61 16	-2.69 -6.83
TOBACCO UN MANU FACTURED NATURAL LUEBEE	158 727	163 759	177 747	161. 818	142 903	173 84.6	188 862	191 695	1 76 7 59	167 713	163 773	•76 -•24
WOOL GBEASY BOVINE CATTLE 1/ SHEEP AND GOAIS 1/ PIGS 1/ TOTAL MEAT TOTAL ZGGS IN SHELL	18 1264 71 88 785 12	8 716 33 197 637 15	13 516 61 30 719 12	17 1183 71 46 862 13	12 1184 52 44 755 19	15 1337 40 204 875 18	41 758 27 137 913 21	14 731 42 248 854 12	20 8 15 41 1 46 7 65 12	16 1084 52 296 867 11	20 1004 64 449 809 22	3.98 .43 -1.43 18.81 1.60 1.81
PISHERY PECDUCIS					-					(-)		
PISH FRESH FRÖZEN PISH CUEED SHELLISH PISH CANNEC AME PREPARE SHELLISH CAMMED+PREPAR	792 33 140 104 32	685 31 148 131 33	611 30 139 82 27	709 37 157 103 35	727 30 158 78 41	800 34 146 89 40	776 31 155 95 41	699 26 146 95 39	735 35 156 104 47	676 33 175 114 54		

1/ THOUSAND HE AD 2/ EXCEPT FOR PULP FOR FAPER AND PAPER AND PAPERBOARD, ALL POREST PRODUCTS ARE EXPRESSED IN THOUSAND CUBIC METAES ANNEX TABLE 6. VOLUME OF IMPORTS OF MAJOR AGEICULTURAL, FISHERY AND FOREST PRODUCTS

	1973	1574	1975	1976	1977	1978	1979 TOX5	1980	1981	1982	1983	ANNEAL EATE CF CHAEGE 1973-63 DEFECTION
PISH BODY AND LIVSB OIL PISH MEAL	11 63	6 2	7 108	11 128	8 74	40 80	9 82	12 45	10 56	8 79		PEBCENI
FOREST PRODUCTS 2/												
SAWLOGS CONTEREOUS SAWLOGS NOKCONTEREOUS PULPWCOD+PAFTICLE FUELWOOD SAWNWOOD CONFREOUS SAWNWOOD NONC)NIFBROUS WOOD-BASED FANELS PULP FOE PAFER PAPEE AND FARESHOARD	1954 459 1863 26 21750 1732 4147 3497 7546	1737 492 2187 32 16639 1412 3245 3533 7602	1728 318 1859 35 14175 963 3147 2687 6165	2025 291 2039 30 19583 1287 3645 3243 6982	2174 294 2273 51 25061 1351 3546 3344 7017	2043 409 2516 59 28675 1431 3956 3477 8387	2458 502 2504 63 26562 1571 3336 3818 6322	2146 471 2249 45 22839 1422 2378 3502 8118	1674 415 2348 23 22542 1557 2851 3538 7595	1772 335 2000 19 21694 512 2283 3221 7303	26 83 424 2409 16 2 8483 1246 33 66 36 31 82 91	1.66 .33 1.76 -4.23 3.86 -1.45 -3.27 .85 1.29
OCENNIA DE VELO PED												
AGEICULTURAL PRODUCTS												
WHEAT+FLOUE,WHEAF BUUIV. BICE HILLEE BAELEY	6	50 7 5	134 7	112 ć	9	8	32 8	54 E	53 9	51 10	71 12	37.32 5.40
NILLET Sorghum	1	1	1	1	2	3	3 1	4 1	5 1	31 1 4	14 1 3	35.26
POTATCES SUGAL,TOTAL (LAM SQUIV.) PULSES	171 12	1 153 16	192 20	174 13	1 65 12	166 13	172 12	¥51 14	1 20 13	147 16	1.55 17	-2.16 .40
SOYBEANS SOYBEAN OII GROUNDNUTS SALLED BASIS GROUNDNUTS CIL COPEA	6 5 3 24	33 10 6 4 20	16 18 4 4 12	10 38 E 2	21 33 5 4	15 29 12 2	26 4 3 7	13 32 5	41 29 9 1	10 45 12 1	23 53 6 1	25.56 17.16 4.55 -18.03
COLLNUT OIL PALH OIL OILSEED CAKE AND HEAL	9 7 12	13 14 21	11 16 15	10 18 17 3	11 20 23 6	18 23 30	19 28 9	4 17 26 13	ó 16 24 23	6 20 20 12	4 19 4 53	-15.77 5.98 1.16 9.13
BANANAS ORANGES+TANGER+CLEMEN LEMONS AND LIMES	33 18	37 18	43 18	29 15	35 17	38 18	35 14 1	37 16 1	36 16 1	36 17 1	40 20 3	• 67 • 02 23• 10
COFFEE GREEN+ECASTED COCCA BEANS TEA	29 21 36	32 21 34	35 25 35	32 16 33	34 20 35	26 17 30	35 15 30	41 14 32	.38 15 28	42 13 30	39 13 28	3.07 -5.79 -2.41
COTTON LINI JUTE AND SIMILAR FIBLES	4 16	9 26	4 17	4 1 4	5 12	4 11	2 12	2 9	2 11	1 8	1 7	-17.16 -9.62
TOBACCO UN MANUFACTURED NATULAL RUEBEE	14 55	17 74	17 53	17 61	13 55	16 52	13 53	15 54	15 50	14 48	14 41	-1.12 -3.33
WOOL GREASY BOVINZ CATTLE 1/ SHEEP AND GCATS 1/ TOTAL MEAT MILK DEY	5 3 1 2 1	6 3 4 1	1 1 2 1	1 1 2 1	1 2 2 1	1 1 1 1	1 1 2 1	1 E 4	1 4 1	1 4	б	-22.31 -20.40 7.93 9.61 -12.82
FISHERY PACDUCIS												
PISH FRESH FLOZZN PISH CURED SHELLFISH FISH CANNEL AND FREPARED SHELLFISH CANNED&FREPAR FISH LODY AND LIVIE OIL FISH HEAL	18 3 25 4 1	22 5 1 27 6 1 14	19 4 23 5 1 24	19 4 3 19 6 1	20 5 3 25 7 1 8	21 3 26 7 1 3	22 5 4 22 6 1 4	29 4 28 5 13	24 4 27 6 8	32 4 7 28 7 1 8		
POREST FROEUCT'S 2/							-		-	-		
SANLOGS CC NIFEHOUS SANLOGS NG MCON IPEHOUS FUELNGOD SANNAGOD CONIFEHOUS SANNAGOD NGNCON NFEHOUS NOOD-BASED PANELS PULF FOE FAPAL PAPEN AND PAPERBAED	1 101 7 53 338 52 315 563	3 106 886 449 131 352 678	41 2 637 282 123 301 683	5 46 1 693 346 137 232 470	2 26 754 445 121 276 652	2 17 638 311 89 239 584	11 6 62 3 04 9 9 2 7 9 6 7 1	2 697 317 88 279 739	1 306 104 284 736	7 861 290 111 261 794	1 642 211 80 219 580	-32.22 -13.99 -50 -3.53 -2.67 -2.51 1.76

1/ TEOUSANE HE AD 2/ EXCEPT FOR PJLP FOR PAPER AND PAPER AND PAPERBOARD, AIL PEREST PRODUCTS ARE EXPRESSED IN THOUSAND CUBIC METGES

ANNEY TABLE 6. VOLUME OF IMPORTS OF NAJOR AGFICULTURAL, FISHERY AND FOREST PROLUCTS

	1973	1974	1975	1976	1977 THCUSA	1978 ND METRIC	1979 TOBS	1580	1981	1982	1983	ANNUAL BATE CF CHABGE 1973-83 PBECENI
AFRICA DEVELOPING AGRICULTUR AL PRODUCTS												
WHEAT+FLOUS,WHEAT EQUIV. EICE HILLEE HALEY MAISE HILLET	4022 976 106 480 158	4730 972 114 830 218	5363 602 173 864 137	5344 887 68 685 123	6356 1584 219 880 109	7942 1885 647 1154 76	7764 2243 419 1267 118 127	9074 2230 300 2321 93 106	93 15 24 76 4 56 24 12 .35 1 42	9829 2972 672 2356 41 138	5761 2996 377 1651 31 169	9.79 16.19 19.90 15.92 -16.13 2.23
SOEGHUM PCIATOES SUGAF, TOTAI (RAW EQUIV.) PUISES	167 192 1441 78	195 208 1353 53	42 1 89 1 3 2 8 8 9	118 149 1494 77	94 211 1886 91	145 233 2041 118	307 2146 208	241 2251 217	2 18 25 57 1 76	421 2476 173	444 2536 214	8.30 7.70 14.37
SOYBEANS SOYBEAN OIL GEOUNDNDTS SHELLED BASIS GEOUNDNUT CIL COERA COCONUT OLL PALH BUTS KEABELS PALE OIL OILSEED CAKE AND MEAL	13 93 24 39 6 14 41 36	10 147 15 6 2 13 39 50	9 156 35 8 3 9 1 29 58	16 121 17 30 3 18 68 54	50 256 25 23 3 20 81 102	23 312 27 11 4 10 106 122	31 357 12 10 4 9 100 157	25 335 16 16 3 7 168 184	11 342 9 13 4 14 244 242	35 450 13 21 16 292 236	18 427 7 19 3 14 254 194	6.92 16.51 -9.66 .57 -1.32 05 26.16 21.96
BANANAS ORANGES+TANGER+CLEMEN LEMONS AND LIMES	55 10 1	43 10 1	38 12	41 10	47 12 1	31 12 1	17 12 1	20 10 1	27 9 1	24 9 1	10 9 1	-12.26 -1.33 3.56
COPFEE GREEN+ECASTED COCCA BEANS TEA	42 2 35	61 2 42	65 2 45	77 1 42	59 3 46	83 1 56	76 1 70	80 1 57	102 1 66	77 1 58	119 1 60	7.37 -8.27 5.83
COTTON LINI JUTE AND SIMILAR FIBRES	41 74	5 1 94	54 80	46 61	51 73	42 58	48 62	44 65	60 49	117 50	102 50	7.57 5.31
TOBACCO UN BANU FACTURED NATUBAL RUEBSA	45 18	57 21	53 17	46 18	49 22	62 21	63 20	54 21	51 25	44 26	54 30	•24 4•62
WOOL GREASY BOVINE CATILE 1/ SHEEP AND GOATS 1/ PIGS 1/ TOTAL NEAT MILK DEY TOTAL REGS IN SHALL	1 899 1263 2 40 16 3	1 756 1246 43 26 4	1 626 1229 1 57 21 8	3 632 1113 1 84 23 13	3 687 1167 1 110 23 21	4 784 1144 1 139 27 44	3 622 1057 1 137 24 36	2 792 1091 1 147 36 51	2 889 1262 167 .33 52	3 608 1048 1 214 29 75	3 834 1152 1 221 31 78	10.52 1.44 -1.06 -1.76 19.32 5.77 41.47
FISHERY PRODUCTS												
FISH FRESH FROZEN FISH CUBED SHELLFISH FISH CANNED AND PREPARED FISH RODY AND LIVER OIL FISH HEAL	279 50 4 66 3 13	367 40 3 64 4 18	342 46 11 62 1 12	349 55 14 114 3 13	338 39 18 108 2 17	374 32 19 159 3 20	487 39 6 160 2 24	908 56 8 151 35	9 13 50 8 1 52 32	614 22 95 9		
FOREST PRODUCTS 2/												
SAWLOGS CC. KIFLBOUS SAWLOGS NO KCONIFEROUS FUELWOOD SAWNWOOD CONIFEROUS SAWNWOOD NCKCJ NIFEROUS WOOD-BASEL PAN FLS PULP FOL PAPER PAPEL AND FAPELBOARD	8 215 603 115 139 46 501	17 311 1 554 218 198 65 583	38 153 5 764 153 183 56 460	43 172 825 168 193 94 456	31 286 1251 158 312 96 501	32 197 763 205 265 96 535	73 204 1018 206 317 58 549	54 326 902 214 361 114 553	85 2 32 1402 243 3 40 1 16 5 62	84 160 1568 202 301 114 563	84 162 1647 205 299 143 551	23.74 -1.71 8.33 4.40 8.18 10.01 1.30
LATIN AMREICA												
AGEICULTUR AL PRODUCTS												
WHEAT+FLOUS,WHEAT EQUIV. RICE MILLEL BARLEY MAILE MILLET SOEGHUM	8357 390 186 2335 2 450	8612 621 319 2584 4 1048	7164 563 262 3897 4 1348	8981 489 207 2438 6 554	8152 428 203 3590 2 1440	10765 432 358 4714 4 1442	10603 1344 323 39.54 6 1902	12070 1060 479 8594 3 2543	1 20 28 801 4 13 71 11 2 36 39	11049 632 351 3366 3 3161	12094 1025 509 8151 3779	4.89 8.17 8.45 11.34 21.76
PCTATOES SUGAL,TOTAL (ANN SQUIV.) PULSES	241 438 253	192 257 274	196 113 308	173 286 299	198 645 400	205 882 291	252 717 284	337 1568 819	204 1561 876	191 1325 524	160 1919 381	33 25.90 8.97
SOYBEANS SOYBEAN OIL	184 149	60 0 25 4	127 141	444 243	628 245	971 351	952 372	1207 440	22 35 4 37	2034 586	1256 537	26 . 10 14.37

1/ THOUSAND HEAD 2/ EXCEPT FOL PULP FOR PAPER AND PAPEE AND PAPEREOAED, AIL POBEST PRODUCTS ARE EXPRESSED IN THOUSAED CUBIC METERS

ANNEX TABLE 6.	VOLUME OF IMPORTS (CF MAJOB AGE	ICULTURAL, FISHERY	AND FOREST PRODUCTS
----------------	---------------------	--------------	--------------------	---------------------

	1973	1974	1975	1976	1977 ••• THOUSA	1978 ND METRIC	1979 TOXS	1980	1981	1982	1983	ANNGAI BATE CF CHANGE 1973-83 PEBCENI
GROUNDNUTS SHELLED BASIS GEOUNDNUT CIL	6 34	13 13	46 41	.3 E 6 4	8 136	14 85	11 9	13 2	14 4	17 1	9 10	-1.73 -25.27
CCPEA COCONUI OII PALM NUTS KEENELS	33	1 26 2	21 40 2	1 86 2	26 1	39	15 2	26 1	20 1	24	18	-7.44
PALM NUIS VERNELS PALM CII OILSELD CAKE MND MEAL	23 257	9 398	3 340	1£ 413	16 593	8 647	2 É ć E4	16 952	13 957	10 1078	3 1145	-5.52 16.06
BANANAS OFANGES+TANGER +CLEMEN LEHONS AND LIMES	238 20 1	286 18 2	233 17 2	184 19 3	228 26 4	287 22 6	351 44 3	503 55 3	463 35 3	318 25 2	229 31 1	4.51 7.9€ .84
COFFEE GEEFN+KCASTED COCCA BEANS TEA	75 16 12	96 20 16	82 15 10	86 7 13	54 3 14	58 3 16	93 2 19	60 3 15	67 10 14	62 13 13	57 7 15	-3.50 -8.28 1.45
COFTON LINI JUTE AND SIMILAR FIBLES	67 34	6 7 5 5	69 45	56 30	85 15	71 12	51 18	79 36	93 34	61 16	87 15	2.20 -7.91
TOBACCO UN MANU FACIUERD NATURAL RUIBER	14 139	23 168	15 144	17 166	18 171	16 183	17 162	28 188	24 187	21 103	19 166	3.13 1.70
WOOL GEEASY BOVINE CATILE 1/ SHEEF AND GOAFS 1/ PIGS 1/ TCTAL MEAT WILK DEY TOTAL EGGS IN SHELL	5 584 65 38 125 64 6	4 624 226 41 232 95 6	6 564 316 47 1£0 50 7	632 41 59 182 73 5	6 607 55 36 197 161 14	7 697 54 32 374 138 11	9 1046 116 21 365 119 18	13 540 140 10 536 153 20	12 5 62 2 51 2 4 4 10 1 58 18	13 595 446 60 339 140 17	9 476 299 29 300 167 16	10.18 80 12.42 -5.32 10.06 10.35 13.01
FISHERY RECOUCTS												
FISH FRESH FROZEN FISH CURED SHELLFISH FISH CANNEI AND PAEPAREI SHELLFISH CANNED+PREPAR FISH WOON AND LIVES OIL FISH MEAL	58 75 35 1 19 44	71 58 11 39 1 23 61	126 67 7 41 1 20 143	97 5 <i>6</i> 44 1 44 75	91 49 5 49 1 27 70	93 54 57 67 1 36 109	115 63 10 76 2 66 138	110 56 7 85 2 103 161	97 55 9 83 2 37 1 18	33 6 3 20 1 2 42		
FOREST PLOIDCES 2/												
SAWLOGS COATEZEOUS SAWLOGS NOACON IPERCUS PULPACOD PATTICLE PUELECOD SAWNWOOD CCNIPERCUS SAWNWOOD CCNIPERCUS SAWNWOOD NCKCO NEPERCUS WOOD-BASED FAN FLS PULP FOE PAPER PAPER AND FAPERBOARD	25 134 8 1458 202 141 649 1752	27 128 1235 695 182 806 2061	7 134 3 1235 742 169 543 1637	43 73 2 1467 427 184 534 1732	26 69 1461 520 234 461 2103	34 105 1 1710 679 285 576 1755	54 65 51 1516 664 364 643 1764	120 57 35 1 1585 527 468 743 2290	1 61 30 24 3 16 84 6 52 4 79 8 52 2 3 60	179 29 16 2 1386 607 424 745 2137	172 30 16 2 1401 533 385 759 1896	30.81 -15.46 -13.66 1.62 5.42 13.46 2.59 1.85
NEAL BAST LEVELOPING												
AGRICULTURAL PRODUCTS												
WHERS+FLOUB,WHERT EQUIV. RICE MILLEL BARLEY MAIZE MILET Soeghum	5475 501 595 423 3 5	8742 946 530 803 30 4	· 6733 939 473 791 .3 77	7649 1106 465 1009 10 197	9207 1456 990 1487 6 189	10320 1548 851 1850 4 254	10639 1887 1453 2369 4 109	12717 1790 2361 3032 2 101	13539 2015 3290 3746 2 132	14159 1938 4865 3803 3 339	16877 1906 2967 4123 2 94	9.64 12.61 27.11 25.45 -12.64 32.96
PCTATOES SUGLE,TOTAL (E MA EQUIV.) PULSES	123 1689 109	178 1785 128	171 2098 243	160 1694 234	233 2266 200	234 2400 205	280 3460 258	349 3343 249	422 3518 357	388 3792 313	394 3644 334	12.96 9.71 10.24
SOYBEANS SOYBEAN OII GROUNDNUTS SHELLED BASIS GEOUNDNUT CIL COPEA	28 108 7 2	62 232 8 1	28 270 9 1 8	29 332 E 2 7	63 230 15 2	138 280 6 1	180 380 8 1	95 442 15 3	1 16 504 8 1	107 516 7 1	121 503 6	17.07 13.42 97 -10.86
COCONUT OII PALM NUTS KEEN ELS	õ	8	22 1	31 5	8	7	4	14	13	17	17	4.38
PALE CIL OILSEED CAKE END ABAL	89 83	78 117	137 100	76 237	148 379	164 459	187 442	151 406	2 0 5 543	377 668	360 771	16.25 24.53
BANANAS ORANGES+TANGES+CLEMEN LEMONS AND LIMES	135 284 14	167 40 E 27	255 532 32	308 636 54	272 543 52	277 472 46	317 500 78	298 547 80	3 04 6 19 81	304 627 80	267 635 86	6.00 5.42 17.02
COFFEL GEREN+2 CASTED CCCOA BEANS TEA	55 2 114	56 2 144	49 4 132	51 4 157	53 2 148	42 4 202	40 1 164	45 1 176	56 5 171	73 5 180	74 6 180	2.24 6.13 4.11
COFION LINT	9	12	26	7	37	21	41	21	24	27	27	10.58

1/ THOUSAND H2 AD 2/ SXCBET ECA PULP FOR FAPER AND PAPES AND PAPEREOAFD, ALL FOREST PRODUCTS ARE EXPRESSED IN THOUSAND CUBIC METGES

	1973	1974	1975	1976	1977 THCUSAN	1978 D METEIC	1979 To 55	1580	1981	1982	1983	ABBUAL BATE CF CHANGE 1973-83 PEBCIET
JUTE AND SIEL AR FIBLES	27	31	31	40	31	24	41	20	25	37	47	1.61
TOBACCO UN MANUFACÍORED NATULAL KUEBSK	29 49	32 57	44 51	45 50	45 49	52 4€	60 37	49 40	61 50	75 53	77 72	9.17 .76
WOOL GEEASY BOYINE CATILE 1/ SHEEF NND GOAIS 1/ PIGS 1/ TOTAL NEAT MILK DEY TOTAL EGGS IN SHELL	20 154 4695 1 90 3 44	23 153 4317 142 4 56	26 160 4921 2 251 3 81	27 184 5135 331 5 77	32 389 7656 5 462 10 84	17 389 8640 586 11 85	18 3 65 10327 673 20 75	18 503 11489 578 14 108	19 678 13201 1298 24 143	13 637 13082 1262 28 143	19 747 14893 1267 19 123	-4.12 19.85 14.6£ 30.65 27.10 10.73
PISHEAY PACEUCIS												
FISH FRESH FAU23N FISH CURED SHALLFISH FISH CANNED AND PREPABER SHALLFISH CANNED+PE3PAB FISH BODY AND LIVER OIL FISH MEAL	23 3 1 23 2 12	30 4 27 28	41 3 1 33 2 27	60 3 45 2 51	55 4 2 47 2 136	74 E 2 57 1 56	59 3 54 1 52	75 £ 3 73 1 1 80	1 13 7 <i>4</i> <i>£6</i> 2 1 1 45	6 11		
POREST PRODUCTS 2/												
SAILOGS CONTRIGUS SAULOGS NOKONIFRIOUS PULPACCD+PARTICLE PULLACOD SAWNOOD CONIFEROUS SAWNOOD CONIFEROUS MODO-BASED PANELS PULP FOB PAPER PAPEE ANL FAREBOAED	135 40 29 62 1589 80 331 69 539	59 37 26 34 1685 350 419 64 572	165 68 35 1744 294 465 71 696	195 88 9 37 2202 406 591 69 724	229 56 13 38 3063 659 740 81 866	175 68 36 39 2441 558 792 80 889	126 42 40 31 2689 469 916 85 903	173 57 14 25 3242 630 1055 86 972	217 46 27 3422 535 1379 72 1023	287 6 9 32 3726 605 1517 62 988	337 6 9 32 3665 556 1527 94 941	10.44 -14.91 -9.34 -4.57 9.54 13.78 17.17 2.88 6.33
FAR BAST DIVELOPING												
AGRICULTURAL PRODUCTS												
HHERT+FLOUE, WHEAT FQUIV. BICE HILLEF BAELRY MAIZE MILLET SORGEUM	10960 4603 494 1337 26 1188	1167 6 3053 497 1250 43 727	15063 3023 539 1440 13 204	13644 3698 8 1971 29 398	7213 3848 327 2517 10 21	8060 3550 107 3125 1 49	6808 3493 106 4114 2 144	6687 4511 206 3668 3 62	6607 4416 275 4487 3 162	10433 2036 916 4840 6 440	12214 3224 469 6322 4 231	-2.03 -1.77 5.25 18.26 -22.56 -10.89
POTATOES SUGAE,TOTAI (6 MM BQUIV.) PULSES	94 1453 121	98 109 E 94	87 1127 93	93 1117 90	104 1435 89	117 1866 165	143 1935 207	155 2612 207	1 44 2827 223	148 2296 368	130 2056 320	5.72 8.96 15.10
SOYBEANS SCYHEAN OII GROUNDNUIS SHELLZD BASIS GBOUNDNUI CIL COPEA COCONUT OII PALM NUIS KENNELS PALM CIL OILSEED CAKE & ED MEAL	168 178 22 34 58 19 315 150	135 184 24 29 41 41 356 271	153 67 18 23 55 34 4 277 333	433 194 43 96 55 372 533	370 527 23 64 99 74 5 842 848	489 583 28 42 163 162 6 847 917	728 841 39 74 91 10 10 58 1076	674 1004 67 36 115 58 15 1757 1129	10 93 981 93 1 13 1 76 6 13 65 11 57	1219 890 152 37 87 68 3 1430 1362	1135 911 142 55 64 84 14 1665 1598	27.06 26.07 23.49 5.13 10.99 9.71 .71 22.13 24.19
BANANAS OBANGES+TANGEE+CLENEN LEMONS AND LICES	55 193	50 170	56 208	45 199	48 215	57 222 4	69 208 6	59 238 7	49 273 8	58 249 8	5 1 284 9	•65 4•26 81•75
COFFEE GEBEN+LOASTED Cocoa Beans Tea	45 11 54	34 9 52	31 9 64	42 9 70	32 8 81	19 12 77	27 17 84	19 27 86	.36 45 97	51 60 95	64 58 109	1.83 24.33 7.17
COTTON LINT JUTE AND SIMILAR FIGUES	672 112	559 71	790 80	794 123	843 57	863 64	827 78	666 119	7 71 89	792 121	855 137	2•52 3•45
TOBACCO UN MANU FACTURED NATURAL RUEBER	49 114	71 125	53 123	59 142	69 160	64 193	69 215	82 162	88 2 11	70 214	63 196	3 .16 6.82
WOOL GPEASY BOVINE CATILE 1/ SHEEP AND GOATS 1/ PIGS 1/ TOTAL MEAT MILK DRY TOTAL EGGS IN SHELL	14 303 239 2700 109 53 56	16 286 219 2629 125 66 54	26 286 249 2796 149 68 58	27 283 294 3004 173 84 57	32 301 274 3023 212 93 64	29 338 258 3123 279 128 68	30 376 234 3095 297 151 75	33 367 216 4552 227 152 76	44 3 84 1 60 3 1 94 2 66 1 47 75	36 385 179 3412 352 116 80	37 414 192 3311 357 123 79	9.77 4.06 -3.26 3.06 12.19 9.93 4.48

ASNER TABLE 5. VOLUME OF INFORTS OF MAJOR AGFICULTURAL, FISHERY AND FOREST PRODUCTS

1/ THOUSAND HEAD 2/ EXCEPT FOL PULP FOB FAPER AND PAPER AND PAPEREOARD, ALL PREEST PRODUCTS ALL EXPRESSIC IN THRUSAND CUBIC METLES

ANNEX TABLE 6.	AOTAWE O	E IMPORTS	CF N	MAJOB	AGEICULIURAL,	FISHERY	AND	FCBESI	FRODUC15	
----------------	----------	-----------	------	-------	---------------	---------	-----	--------	----------	--

	1973	1974	1975	1976	1977 THCUSA	1978 ND METBIC	1979 TC 15	1980	1981	1982	1983	ANNOAI EATE CF CHANGE 1973-E3 PEBCENI
FISHELY FLODUCIS												
FISH FRESH FROZAN FISH CURED SHELLFIEH FISH CANNED AND PREPART SHELLFISH CANNED+PREPAR FISH BODY AND LIVER OIL FISH BEAL	140 42 68 91 17 6 53	132 32 80 97 15 2 60	148 32 68 114 14 2 99	156 21 89 112 16 7 84	163 19 79 63 15 3 94	185 22 103 83 16 4 131	230 22 161 79 14 5 164	223 29 102 95 17 2 149	268 23 97 86 16 2 152	58 8 32 66 11 1 43		
FOREST PRODUCTS 2/												
SAWLOGS CONTPEEOUS SAWLOGS NON KONTFEEOUS PULPHOOD PARTICLE PUELWOOD SAWNGOD CONTPEEOUS SAWNGOD CONTPEEOUS WOOD-BASED FANELS PULP FOS FAFEL PAPER AND FAFESBOAED	827 6481 13 115 41 1207 348 466 1418	773 5686 61 110 65 1108 339 465 1320	461 6180 61 110 179 981 392 262 1133	750 7505 114 214 1463 472 406 1459	1200 8558 1 138 228 1741 495 545 1494	2426 9371 117 235 1829 575 676 1829	2128 5355 2 141 80 2345 610 714 1954	1536 6526 2 137 87 1850 724 704 2072	1186 5993 1 145 71 1765 821 821 810 2263	1545 5413 171 77 1747 682 739 2138	2113 5796 2 172 77 1738 798 870 2292	11.83 94 4.61 -1.59 5.77 9.74 9.03 6.96
ASIAN CENT PLANNED BCON												
AGAICULTUR AL PRODUCTS												
WHART+FLOUF, WE BAF EQUIV. RICE MILLED BAELEY MAIZE SOBGHUM SUGAE, TOTAL (KAM AQUIV.) PULSES	8609 963 279 3229 41 1296 40	7990 1241 321 3427 73 643 32	5287 737 174 1729 152 760 33	3796 784 333 2150 255 952 39	9164 214 265 2222 394 1895 49	10271 250 336 3064 473 1587 68	11756 624 704 5412 517 1368 58	13243 592 402 4438 417 1114 72	15688 447 354 3287 840 1303 91	15303 386 509 4117 772 2399 118	12943 172 518 5569 614 2506 96	10.16 -12.18 7.94 7.28 30.65 9.68 13.58
SOYBEANS SOYBEAN OII GEOUNDNUTS SHELLED BASIS GEOUNDNUT CIL	799 123 4	1181 34 4	854 42	825 27	985 149	1172 137 2	1696 143 1	1529 136	1682 56	1516 63 6	1439 27 1 19	7.29 96
CCPFA COCONUT OII PALM NUTS KEENELS	4 22	4 2 1	47	29	22	19	1 27	3 31	3 26 2	7 31 1	1 27	1.26
PALE CIL OILSEED CARE AND MEAL	13 2	17 1	12 1	3 29	30 41	14 55	48 1	63 9	26 14	24 15	17 15	13.13 24.54
BANANAS ORANGES+TANGEA +CLEBEN	15	4	10	15		1		2	1	1	5	
COFFEL GREEN+AGASFED CCCOA BEANS TEA	8 5	6 7	8 6	7 11 5	12 5	6 15 6	5 17 5	6 17 5	7 4 4	19 5 4	19 14 5	51.96 .81 -3.82
COTTON LINI JUTE AND SIMILAR PIBLES	719 86	599 69	412 22	42E 27	422 34	616 39	835 36	1235 47	10 21 25	838 44	408 58	3.74 -2.08
TOBACCO UNMANUFACTURED NATURAL RUEBER	20 304	23 274	11 298	13 248	15 316	19 300	22 3 33	32 356	54 2 20	46 270	30 376	11.41 .79
WOOL GEBASY BOVINE CATILE 1/ SHEEP AND GOAFS 1/	21 1 5	17 4 6	13 8 6	22 1	22	28	51 3	60 2 1	94	95 1 1	118 1 1	24.60
PIGS 1/ TOTAL MEAT	1 2	3 2	29	2 10	1 4	4 11	3 18	3 16	5 23	3 27	3 28	22.07 25.58
PISHEAY PACDUCIS												
PISH FRESH FROZAN PISH CUEED SHELLFISH PISH CANNEL AND PREPARET PISH MODY AND LIVER OIL PISH MEAL	1 3 33	8 2 3 4 3 40	4 7 4 2 3 95	6 1 4 2 129	7 1 8 4 2 124	5 1 9 3 3 145	5 1 14 4 3 170	1 2 4 1 164	1 2 4 1 165	1 2 4 1 157		
FOREST FROEUCTS 2/												
SAMLOGS CONTFEROUS SAMLOGS NO NGON TPEROUS PULPWOOD+PARTICLZ SAMNGOD CONTFEROUS SAMNGOD NONCONTFEROUS MOOD-DASED PANELS PULP FOR PAPEL PAPEL AND PAPELUARD	492 3950 7 9 1 243 167	610 3801 7 27 1 246 189	614 3887 88 21 23 3 217 174	618 4437 199 29 30 12 228 217	400 6236 199 29 38 13 169 297	370 7127 199 29 56 24 201 411	403 6760 56 96 36 209 427	611 6481 56 31 139 51 415 650	1112 5491 235 37 200 70 521 649	3046 4637 246 33 296 97 432 474	3724 5993 363 38 425 100 679 620	18.12 4.53 35.01 51.60 43.26 63.07 10.94 16.45

1/ THOUSAND HEAD 2/ EXCEPT FOL FULP FOL FAPER AND PAFEE AND PAPEREOARD, ALL FOREST PRODUCTS ARE EXPRESSED IN THOUSAND CUBIC METZES ANNEX TABLE 7. INDICES OF VALUE OF EXPORTS OF AGRICULTURAL, FISHERY AND FOREST PRODUCTS

NUMBER NUMBER APARTOLITOMAL PROPARTS 72 93 154 120 133 154 141 143 144		1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	ANNUAL RATE GF CHANGE 1973-83 PERCENT
A ALCLU TURAL PROPUNTS 72 96 10 10 10 10 10 10 10 10 10 10 10 10 10							/4-/0-100:						
APULLON INCLUSION 72 63 163 110 127 155 176 183 161 184 183 181 181 181 181 181 183 181 181 181 183 181 183 <th183< th=""> <th183< th=""> <</th183<></th183<>	HORLD												
Determinations 0.1	FOOD FEED RAW MATERIALS	72 99 91	95 94 107	104 84 88	101 122 105	110 151 121	127 165 129	150 194 148	178 227 161	183 254 156	161 235 138	156 260 141	8.44 8.64 12.87 5.59 5.51
PUREST PRODUCTS 77 101 90 109 118 132 171 194 178 142 144 8 DEVELOPED COUNTRLES AUSTRUMPED COUNTS AUSTRUMPED COUNTRLES AUSTRUMPED COUNTS AUSTRUMPED													
A SHEUL TURAL PRODUCTS 76 06 101 103 113 122 157 128 120 120 123 124 124 125 126 120 123 124 125 126 120 125 125 125 125 125 125 125 125 125 125		77	101	90	109	118	132	171	194	178	162	164	8.75
Andow Top Top <thtop< th=""> <thtop< td="" th<=""><td>DEVELOPED COUNTRIES</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></thtop<></thtop<>	DEVELOPED COUNTRIES												
PLIMERT PRODUCTS 74 101 91 107 116 130 163 187 176 159 160 8 WESTERN EUROPE ACRICULTURAL PRODUCTS 76 90 103 107 116 130 163 187 176 159 187 110 10 FEW TERIALS 80 89 99 113 139 1169 128 221 205 205 119 131 14 BW WEAKESS 88 99 99 113 139 1169 128 221 205 205 119 139 116 FEW TERIALS 89 199 99 113 139 1169 128 221 205 205 119 139 116 FEW TERIALS 89 199 99 113 139 1169 128 221 205 205 119 159 10 FEW TERIALS 89 199 99 113 139 1169 128 221 205 205 119 159 10 FEW TERIALS 89 199 99 113 139 1169 128 221 205 205 119 159 10 FLWEST PRODUCTS 73 104 90 106 113 129 166 194 176 159 155 6 USSR AND EASTERN EUROPE ARECULTURAL PRODUCTS 79 102 100 98 1119 114 132 133 145 127 112 9 FLWEST PRODUCTS 77 10 102 100 98 112 106 127 133 129 117 102 2 FLWEST PRODUCTS 73 97 96 105 119 125 137 147 141 137 139 6 TABLE PRODUCTS 73 97 96 105 119 125 137 147 141 137 139 6 NURTH AMERICA DEVELUPED ARECULTURAL PRODUCTS 73 97 96 105 119 125 137 147 141 137 139 6 NURTH AMERICA DEVELUPED ARECULTURAL PRODUCTS 75 97 91 101 104 124 123 135 150 155 113 FLWEST PRODUCTS 75 97 91 101 101 198 121 156 155 135 113 FLWEST PRODUCTS 73 97 96 105 119 125 137 147 141 137 139 6 NURTH AMERICA DEVELUPED ARECULTURAL PRUDUCTS 76 97 91 101 101 126 127 133 150 155 142 7 FLWEST PRUDUCTS 75 97 91 101 101 126 127 133 150 155 142 7 FLWEST PRUDUCTS 75 97 91 101 101 126 127 133 150 155 135 113 FLWEST PRUDUCTS 75 97 91 112 120 133 168 190 164 164 162 8 FWOM 112 113 91 201 120 133 168 190 164 164 162 8 FWOM 112 113 91 101 104 122 120 133 168 190 164 164 162 8 FWOM 112 113 91 101 104 122 120 133 168 190 164 164 173 9 OCENNIA PRUDUCTS 75 97 91 112 120 133 168 190 184 164 173 9 OCENNIA PRUDUCTS 75 97 91 112 120 133 168 190 184 164 173 9 OCENNIA DEVELOPED ARECULTURAL PRUDUCTS 64 100 68 102 114 111 134 176 186 177 146 6 ARE WAITERIALS 112 114 168 173 147 141 135 177 146 7 FWOM 125 97 93 97 91 112 120 133 168 190 184 164 173 9 OCENNIA DEVELOPED	FOUD FEED .XAW MATERIALS	75 108 33	94 109 110	104 82 90	103 109 101	109 128 127	129 160 131	154 191 153	187 223 167	192 236 164	170 223 155	161 253 145	8.95 9.07 11.66 6.45 10.75
ACCEST PRODUCTS FA LOT LOT <thlot< th=""> LOT LOT</thlot<>	FISHERY PRODUCTS	87	93	\$3	114	134	163	193	209	211			
AGRICULTURAL PRUJULTS 76 90 103 107 120 147 178 207 202 189 142 10 FEDU	FUREST PRODUCTS	74	101	91	107	116	130	163	187	176	159	160	8.64
AFILIOLI URAL PRODUCTS 74 89 105 106 116 145 177 207 206 187 179 100 FEED 168 111 82 107 131 142 207 207 206 187 179 100 FEED 168 111 82 107 131 142 207 226 227 226 277 8313 14 AW MATERIALS 80 99 113 139 109 210 221 205 205 159 10 FISHERY PRUDUCTS 85 93 93 114 136 156 189 211 204 92 FUREST PRODUCTS 73 104 90 106 113 129 166 194 176 159 155 8 USSR AND EASTERN EUROPE ASRICULTURAL PRODUCTS 79 102 100 98 119 114 132 135 135 127 112 4 FUREST PRODUCTS 79 102 100 98 119 114 132 135 135 127 112 4 FUREST PRODUCTS 79 102 100 98 119 114 132 135 135 127 112 4 FUREST PRODUCTS 79 102 100 98 119 114 132 135 135 127 112 4 FUREST PRODUCTS 79 102 100 98 119 114 132 135 135 127 112 4 FUE 106 127 133 129 117 122 2 FUE 107 101 104 114 140 136 115 75 103 132 6 FUE 10 70 70 101 104 101 130 115 153 132 162 FUE 10 107 109 105 121 156 155 135 113 FUE 10 107 109 105 121 156 155 135 113 FUE 10 107 109 105 121 156 155 135 113 FUE 10 112 110 101 104 126 148 181 191 104 164 162 8 FEED 112 110 101 104 127 133 169 1150 155 162 7 FUE 113 113 91 96 110 110 124 163 181 191 164 162 8 FEED 112 110 101 104 127 133 169 110 164 150 8 FUE 0 112 110 101 104 127 143 181 191 164 150 8 FUE 0 112 110 101 124 120 133 168 190 184 164 152 8 FUE 0 112 110 101 124 120 133 168 190 184 164 152 8 FUE 0 112 110 101 124 120 133 168 190 184 164 173 9 OCENNICES 73 97 91 112 120 133 168 190 184 164 173 9 CEENNICUTURAL PRUDUCTS 76 97 91 112 120 133 168 190 184 164 173 9 CEENNICUTURAL PRUDUCTS 76 97 91 112 120 133 168 190 184 164 173 9 CEENNICUTURAL PRUDUCTS 76 97 91 112 120 133 168 190 184 164 173 9 CEENNICUTURAL PRUDUCTS 76 97 91 112 120 133 168 190 184 164 173 9 CEENNICUTURAL PRUDUCTS 76 97 91 112 120 133 168 190 184 164 173 9 CEENNICUTURAL PRUDUCTS 97 93 97 110 155 170 243 318 333 383 FISHERY PRODUCTS 97 93 97 110 155 170 243 318 333 383	WESTERN EUROPE												
FISHERT PRODUCTS 73 104 90 106 113 129 166 194 176 159 155 8 LISSE AND EASTERN EURUPE Intermediate Intermediat Intermediate Intermediat	FUDD FEED RAW MATERIALS	74 108 30	89 111 100	105 82 93	106 107 108	119 131 106	145 162 136	174 200 162	207 224 141	204 269 127	187 276 127	179 313 131	10.54 10.60 14.04 4.97 10.94
USSR AND EASTERN EURUPE ASKICULTURAL PRODUCTS 79 102 100 98 110 114 132 135 135 127 112 4 FUUD 81 106 100 94 112 106 127 133 129 117 102 2 FEED 57 70 70 101 114 131 130 136 155 163 127 73 2 FEED 57 70 70 104 124 143 165 163 150 155 162 7 FISHERY PRODUCTS 67 84 107 109 105 121 156 155 135 113 FJREST PRODUCTS 73 97 96 105 119 125 137 147 141 137 139 6 NORTH AMERICA DEVELUPED ADVICUTURAL PRUDUCTS 78 100 99 101 104 126 148 181 191 164 162 8 FUUD 112 112 100 127 130 121 156 155 135 113 FEED 112 112 100 191 101 98 121 143 175 190 161 159 83 FUUD 112 112 100 191 125 137 147 141 137 139 6 NORTH AMERICA DEVELUPED ADVICUTURAL PRUDUCTS 78 97 91 101 104 126 148 181 191 164 162 8 FUUD 112 112 100 99 101 104 126 148 181 191 164 162 8 FUUD 112 110 80 110 124 160 189 230 224 199 227 10 RAM HATERIALS 81 113 91 96 127 145 165 154 126 124 126 124 120 125 123 125 124 155 125 125 125 125 125 125 125 125 125	FISHERY PRUDUCTS	85	93	93	11 4	136	156	189	211	204	92		
ASRICULTURAL PRODUCTS 79 102 100 98 119 114 132 135 135 127 112 22 FUUD 17200 111 100 101 112 130 130 115 15 102 73 1 RAM MATERIALS 72 91 99 107 104 124 143 165 163 150 155 162 7 FISHERY PRODUCTS 67 84 107 109 105 121 156 155 135 113 FJREST PRODUCTS 73 97 98 105 119 125 137 147 141 137 139 6 NURTH AMERICA DEVELUPED AGRICULTURAL PRUJUCTS 78 100 99 101 104 126 148 181 191 164 162 88 FUUD 172 102 127 101 102 125 137 147 141 137 139 6 NURTH AMERICA DEVELUPED AGRICULTURAL PRUJUCTS 78 100 99 101 104 126 148 181 191 164 162 88 FUUD 172 103 100 127 165 165 194 180 164 156 88 SEVERAGES 88 96 73 131 298 202 253 295 256 243 215 14 FISHERY PRUDUCTS 76 97 91 112 120 133 168 190 184 164 173 9 GOCEANIA DEVELOPED AMATERIALS 112 126 133 168 190 184 164 173 9 FUUD 173 97 86 93 122 158 236 275 261 301 292 FUUD 184 126 144 111 134 176 189 173 147 147 147 148 173 9 GOCEANIA DEVELOPED	FUREST PRODUCTS	73	104	90	106	113	129	166	194	176	159	155	8.62
APRICULTURAL PRODUCTS 01 106 107 106 127 133 129 117 102 27 133 129 117 102 73 1 FEUD 57 70 70 161 161 160 136 115 75 102 73 1 Rew MATERIALS 72 91 99 103 141 131 139 150 151 153 132 6 BEVERAGES 76 89 107 104 124 143 165 163 150 151 153 132 6 FISHERY PRODUCTS 67 84 107 109 105 121 156 155 135 113 PREST PRODUCTS 73 97 96 105 119 125 137 147 141 137 139 6 AGRICULTURAL PRUJUCTS 78 100 99 101 104 126 148 181 191 164 162 8 FOUD 112 100	USSR AND EASTERN EURUPE												
FINELY FRODUCTS 61 </td <td>FUUD FEED RAW MATERIALS</td> <td>81 57 72</td> <td>106 70 91</td> <td>100 70 99</td> <td>94 161 109</td> <td>112 161 141</td> <td>106 140 131</td> <td>127 136 139</td> <td>133 115 150</td> <td>129 75 151</td> <td>117 102 153</td> <td>102 73 132</td> <td>4.01 2.87 1.96 6.59 7.74</td>	FUUD FEED RAW MATERIALS	81 57 72	106 70 91	100 70 99	94 161 109	112 161 141	106 140 131	127 136 139	133 115 150	129 75 151	117 102 153	102 73 132	4.01 2.87 1.96 6.59 7.74
MURTH AMERICA DEVELUPED MURTH AMERICA DEVELUPED AGRICULTURAL PRUJUCTS 78 100 99 101 104 126 148 181 191 164 162 8 FUDU 77 97 101 101 98 121 143 175 190 161 159 8 FUED 111 91 94 92 101 104 126 148 181 191 164 162 8 RAW MATERIALS 81 113 91 96 127 145 165 194 180 164 156 8 SEVERAGES 68 96 73 131 298 202 253 295 256 243 215 14 FLSET PRUDUCTS 97 86 93 122 158 236 275 261 301 292 GCEANIA DEVELOPED 73 91 105 103 107 111 131 185 195 177 146 66 FUDU 73	FISHERY PRODUCTS	67	84	107	109	105	121						
AGRICULTURAL PRUJUCTS 78 100 99 101 104 126 148 181 191 164 162 88 FJUD 77 97 101 101 98 121 143 175 190 161 159 88 FED 112 110 80 110 124 160 189 230 224 199 227 100 RAW HATERIALS 63 96 73 131 298 202 253 295 256 243 215 144 FISHERY PRUDUCTS 97 86 93 122 158 236 275 261 301 292 295 256 243 215 144 FJREST PRUDUCTS 97 86 93 122 158 236 275 261 301 292 292 295 256 243 215 144 GCEANIA DEVELCPED 76 97 91 112 120 133 168 173 147 76 76 <	FUREST PRODUCTS	73	97	98	105	119	125	137	147	141	137	139	6.11
FJUD 177 197 101 101 98 121 143 175 190 161 159 88 FED 112 110 80 110 124 160 189 230 224 199 227 10 RAW HATERIALS 31 113 91 96 127 145 185 194 180 164 156 8 AEVERAGES 68 96 73 131 298 202 253 295 256 243 215 14 FISHERY PRUDUCTS 97 86 93 122 158 236 275 261 301 292 FJREST PRUDUCTS 76 97 91 112 120 133 168 190 184 164 173 9 OCEANIA DEVELCPED 73 91 105 103 107 111 131 185 177 148 8 FLOU 73 91 105 103 107 111 131 185 177	NURTH AMERICA DEVELUPED												
FUREXT PRODUCTS 76 97 91 112 120 133 168 190 184 164 173 9 DCEANIA DEVELCPED Auxicultural Products 64 100 98 102 114 111 134 176 188 173 147 7 GCEANIA DEVELCPED 73 91 105 103 107 111 131 185 195 177 148 8 FUDD 73 91 105 103 107 111 131 185 195 177 148 8 FLED 101 118 88 94 214 204 217 126 171 177 148 8 RAW MATERIALS 112 124 79 97 130 110 140 155 171 161 143 5 GEVERAGES 64 92 103 106 100 108 111 131 185 171 161 143 5 JéVerages 64 92 103 <td>FJUD FEED RAW MATERIALS</td> <td>77 112 81</td> <td>97 110 113</td> <td>101 80 91</td> <td>101 110 96</td> <td>98 124 127</td> <td>121 160 145</td> <td>143 189 165</td> <td>175 230 194</td> <td>190 224 180</td> <td>161 199 164</td> <td>159 227 156</td> <td>8.64 8.57 10.41 8.02 14.33</td>	FJUD FEED RAW MATERIALS	77 112 81	97 110 113	101 80 91	101 110 96	98 124 127	121 160 145	143 189 165	175 230 194	190 224 180	161 199 164	159 227 156	8.64 8.57 10.41 8.02 14.33
DOCEANIA DEVELCPED AURICULTURAL PRODUCTS 44 100 98 102 114 111 134 176 188 173 147 7 FUUD 73 91 105 103 107 111 131 185 195 177 148 8 FUUD 73 91 105 103 107 111 131 185 195 177 148 8 FEUD 101 118 88 94 214 204 217 126 171 177 166 6 RAW NATERIALS 112 124 79 97 130 110 140 155 171 161 143 5 Jéveraages 63 92 103 106 100 108 117 149 210 220 250 12 FISHERY PRODUCTS 97 93 97 110 155 170 243 318 333 383	FISHERY PRODUCTS	97	86	93	122	158	236	275	261	301	292		
AURICULTURAL PRODUCTS 34 100 98 102 114 111 134 176 188 173 147 77 FDUD 73 91 105 103 107 111 131 185 195 177 148 88 FEED 101 118 88 94 214 204 217 126 171 177 166 66 RAW MATERIALS 112 124 79 97 130 110 140 155 171 161 143 5 BEVERAGES 63 92 103 106 100 108 117 149 210 220 250 12 FISHERY PRODUCTS 97 93 97 110 155 170 243 318 333 383	FUREST PRODUCTS	76	97	91	112	120	133	168	190	184	164	173	9.22
Add Hole Forder Frederics 73 91 105 103 107 111 131 185 195 177 148 88 FEDU 101 118 88 94 214 204 217 126 171 177 166 66 RAW MATERIALS 112 124 79 97 130 110 140 155 171 161 143 5 AW MATERIALS 112 124 79 97 130 110 140 155 171 161 143 5 AEVERAGES 63 92 103 106 100 108 117 149 210 220 250 12 FISHERY PRODUCTS 97 93 97 110 155 170 243 318 333 383	OCEANIA DEVELOPED												
	FOUD Flêd Raw Naterials	73 101 112	91 118 124	105 88 79	103 94 97	107 214 130	111 204 110	131 217 140	185 126 155	195 171 171	177 177 161	148 166 143	7.71 8.91 6.28 5.21 12.53
FJREST PRUDUCTS 78 101 94 105 125 136 193 245 258 219 208 12	FISHERY PRODUCTS	. 97	93	97	11 0	155	170	243	318	3 3 3	383		
	FUREST PRODUCTS	78	101	94	105	125	136	193	245	258	219	208	12.71

ANNEX TABLE 7.	INDICES OF	VALUE OF	EXPORTS UF	AGRILULTURAL,	FISHERY	AND FOREST	PRODUCTS
----------------	------------	----------	------------	---------------	---------	------------	----------

DevelopTion Counteres PREENT Applicat Formula 73 95 96 109 122 124 125 126 125 125 126 127 122 124 223 222 239 142 136 137 135 <td< th=""><th></th><th>1973</th><th>1974</th><th>1975</th><th>1970</th><th>1977</th><th>1978</th><th>1979</th><th>1980</th><th>1981</th><th>1982</th><th>1983</th><th>ANNUAL RATE CF CHANGE 1973-83</th></td<>		1973	1974	1975	1970	1977	1978	1979	1980	1981	1982	1983	ANNUAL RATE CF CHANGE 1973-83
Application Products		••••••			•••••	•••••19	74-76=100.		• • • • • • • • • • • • • • •		•••••		
Fund obs 99 100 97 112 121 140 125 126 125 126 125 126 125 126	DEVELOPING COUNTRIES												
FISHERY PRODUCTS 71 78 95 127 152 184 233 222 239 142 FURST PRODUCTS 160 103 86 118 129 144 233 123 139 132 151 9.57 AFRIKA BEVELOPING 73 103 99 92 100 113 132 137 132 137 146 112 115 113 22.66 FADD 120 124 93 90 152 104 153 102 137 132 137 132 137 132 137 132 137 132 137 135 135 135 135 135 135 135 135 137 <td>FUDD FEED RAW MATERIALS</td> <td>ს4 88 ყქ</td> <td>99 75 104</td> <td>104 87 87</td> <td>97 137 109</td> <td>112 178 116</td> <td>121 171 127</td> <td>140 197 143</td> <td>157 232 155</td> <td>162 277 147</td> <td>141 249 122</td> <td>145 267 136</td> <td>7.56 14.58 4.68</td>	FUDD FEED RAW MATERIALS	ს4 88 ყქ	99 75 104	104 87 87	97 137 109	112 178 116	121 171 127	140 197 143	157 232 155	162 277 147	141 249 122	145 267 136	7.56 14.58 4.68
FAREST PRUDUCTS 1.00 1.03 80 1.18 1.29 1.44 2.21 2.33 1.93 1.82 1.11 9.57 AFRICA SEVELOPING 73 1.03 99 99 110 1.13 <th1.13< th=""> 1.13 1.13</th1.13<>												160	0.91
ARR GULTURAL PROUNTS 70 90 90 10 110 113 120 120 130 92 100												191	9.57
FUDD FEDD FEDD FEDD FEDD FEDD FEDD FEDD	AFRICA DEVELOPING												
FJARST PRODUCTS 109 114 79 108 113 123 141 164 125 126 129 3.45 LATIN ARERICA	FUOD FEED RAW MATERIALS	73 120 89	103 98 113	99 90 83	99 112 164	117 143 108	132 90 107	133 150 124	140 109 142	116 86 152	102 97 126	100 101 128	2.62 94 4.51
LATIN AMERICA APATECLAUTURAL PROJUCTS 71 90 90 112 138 143 150 175 171 135 155 590 FEUD 87 66 89 166 221 146 120 175 171 130 157 177 130 157 157 152 120 124 146 121 146 123 137	FISHERY PRODUCTS	92	100	98	102	109	126	154	204	212	83		
A SR LOUTURAL PRUJUCTS 71 90 96 95 112 138 144 120 151 176 171 151 150 155 7.53 FEU 77 60 88 146 211 198 220 264 346 286 337 17.75 RAY MATERIALS 39 100 94 166 121 198 220 264 346 286 337 17.75 RAY MATERIALS 39 100 94 166 121 198 220 264 256 133 FFUENERY PRUJUCTS 65 39 90 121 130 186 238 254 256 133 FFUENERY PRUJUCTS 82 109 96 95 117 142 242 328 329 271 291 16.60 NEAR EAST DEVELOP ING ARY KATERIALS 147 170 95 91 116 112 156 166 198 262 262 264 256 133 FUENERY PRUJUCTS 91 100 90 91 116 112 156 166 198 262 262 264 256 133 FUENERY PRUJUCTS 91 100 90 110 112 156 166 198 262 262 271 291 16.60 NEAR EAST DEVELOP ING ARY KULLTURAL PRUJUCTS 91 100 90 110 112 156 166 198 262 262 270 270 270 270 270 170 170 170 170 170 170 170 170 170 1	FUREST PRODUCTS	109	114	79	108	113	123	141	164	125	126	129	3.45
FUDD u4 95 107 93 114 120 141 157 166 138 155 7,73 RAM HATEALLS 93 100 94 106 121 138 157 157 130 122 4,66 Steam 03 100 94 106 121 130 122 121 130 135 157 137 132 4,67 FUREST PRUDUCTS 05 39 90 121 130 186 238 254 258 133 T 122 4,61 FUREST PRUDUCTS 05 39 90 111 112 120 124 136 156 149 156 6-10 FUD 37 91 100 90 110 112 120 124 136 156 149 156 6-10 FUD 37 91 100 90 110 112 120 124 136 135 167 191 186 6-10 127 127 140 <t< td=""><td>LATIN AMERICA</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	LATIN AMERICA												
FUREST PRUJUCTS 82 109 96 95 117 142 242 328 329 271 291 16.60 NEAR EAST DEVELOP ING 47 95 91 110 112 120 124 136 156 149 156 6.10 FUUD 47 95 91 114 128 155 168 195 240 227 12.25 AJK ICULTURAL PROJUCTS 91 102 89 106 100 93 91 92 62 46 47 9.5 6.10 -7.30 AKM MATERIALS 111 112 120 114 178 123 230 133 106 -7.30 BEVERAGES 1117 118 160 132 171 195 242 122 FUL 76 83 106 -7.30 101 90 154 170 268 268 344 15.07 FJMEST PROJUCTS 81 122 81 97 110 90 154 170 268 268	FUDU FEEU RAW MATERIALS	64 87 89	95 66 100	107 88 94	98 146 166	114 211 127	120 198 148	141 220 145	157 264 153	166 348 157	138 286 137	155 337 122	7.93 17.75 4.87
NEAR EAST DEVELOPING AZ LULITURAL PRODUCTS 91 100 50 116 112 120 124 136 156 149 156 6-10 FUED 47 95 91 114 128 156 169 195 240 247 12.25 AA MATERIALS 149 117 118 79 103 147 178 224 183 238 172 141 6.92 FJEREY PRODUCTS 109 90 97 113 160 132 171 195 242 122 FJEREY PRODUCTS 81 122 81 97 110 90 154 170 268 268 344 15.07 FAR EAST DEVELOPING AGRICULTURAL PRODUCTS 05 98 94 107 133 135 167 191 188 163 164 9.52 FUED 76 89 100 101 98 116 115 149 172 188 166 153 164 9.52 FUED 76 80 76 83 112 122 122 122 FUREST PRODUCTS 81 122 81 97 110 90 154 170 268 268 344 15.07 FAR EAST DEVELOPING AGRICULTURAL PRODUCTS 05 98 94 107 133 135 167 191 188 163 164 9.52 FUED 76 80 76 83 112 122 21 122 121 122 FUEST PRODUCTS 81 122 81 97 110 90 154 170 268 268 344 15.07 FAR EAST DEVELOPING AGRICULTURAL PRODUCTS 81 122 81 97 110 90 154 170 268 268 344 15.07 FAR EAST DEVELOPING AGRICULTURAL PRODUCTS 05 98 94 107 133 135 167 191 188 163 164 9.52 FUED 76 80 76 83 112 122 214 177 226 121 22 FUED 76 80 76 83 112 122 214 177 201 11.35 164 7.24 GEVERAGES 97 71 100 129 172 190 250 232 265 196 FUREST PRUDUCTS 101 99 75 125 136 148 241 237 180 177 184 9.28 ASIAN CENT PLANNED ELUN AGRICULTURAL PRODUCTS 127 79 39 96 110 207 236 270 268 227 255 251 136 136 3.164 BEVERAGES 127 75 93 96 110 207 236 270 268 227 255 252 259 136 3.164 BEVERAGES 127 255 251 250 136 135 146 153 135 146 3.164 BEVERAGES 127 255 251 250 136 130 130 130 136 3.165 FINCENT PLANNED ELUN	FISHERY PRODUCTS	٥5	89	90	121	130	186	238	254	258	133		
AJR ICULTURAL PRODUCTS 91 100 90 116 112 120 124 136 156 149 156 6-10 FUDD 47 95 91 114 128 156 168 195 240 240 227 12.25 FEED 147 113 160 93 91 92 94 83 106	FUREST PRODUCTS	82	109	96	95	117	142	242	328	329	271	291	16.60
FUDD 47 95 91 114 128 156 168 195 240 240 227 12, 25 AAM MATERIALS 91 102 89 109 100 93 91 92 94 83 106 , 30 AEVERAGES 117 118 79 103 140 178 224 183 238 172 141 6, 92 FLSHERY PRJDUCTS 109 90 97 113 160 132 171 195 242 162 122 FJREST PROJUCTS 81 122 81 97 110 90 154 170 268 268 344 15, 07 FAR EAST DEVELOPING	NEAR EAST DEVELOPING												
FJREST PRODUCTS 81 122 81 97 110 90 154 170 268 268 344 15.07 FAR EAST DEVELOPING AJRICULTURAL PRODUCTS 66 98 94 107 133 135 167 191 188 163 164 9-52 FJUD 50 100 101 98 116 115 149 172 188 168 163 164 9-52 FJUD 50 100 101 98 116 115 149 172 188 168 163 164 72.38 AAm MATERIALS 94 106 83 112 122 141 179 204 178 1355 164 7,24 dEVERAGES 07 79 95 126 244 202 212 239 201 177 200 11.62 FJMEST PRUDUCTS 03 71 100 129 172 190 250 232 265 196 FJNEST PRUDUCTS 03 101 </td <td>FUUD FEED RAW MATERIALS</td> <td>87 149 91</td> <td>95 117 102</td> <td>91 95 89</td> <td>114 88 109</td> <td>128 86 100</td> <td>156 59 93</td> <td>168 72 91</td> <td>195 92 92</td> <td>240 62 94</td> <td>240 46 83</td> <td>227 45 106</td> <td>12.29 -9.56 30</td>	FUUD FEED RAW MATERIALS	87 149 91	95 117 102	91 95 89	114 88 109	128 86 100	156 59 93	168 72 91	195 92 92	240 62 94	240 46 83	227 45 106	12.29 -9.56 30
FAR EAST DEVELOPING AGRICULTURAL PRODUCTS oc 98 94 107 133 135 167 191 188 163 164 9-52 FJUD 50 100 101 98 116 115 149 172 188 163 164 9-52 FJUD 50 100 101 98 116 115 149 172 188 163 164 9-52 RAM MATERIAL S 94 106 83 112 122 141 179 204 178 135 164 7.24 dEVERAGES 07 79 95 126 244 202 212 239 201 177 200 11.62 FLSHERY PRUDUCTS 0d 71 100 129 172 190 250 232 265 196 FUREST PRUDUCTS 0d 71 100 129 172 190 250 232 265 196 FUREST PRUDUCTS 0d 71 100 129 172 <th< td=""><td>FI SHERY PRODUCTS</td><td>109</td><td>90</td><td>97</td><td>113</td><td>160</td><td>132</td><td>171</td><td>195</td><td>242</td><td>122</td><td></td><td></td></th<>	FI SHERY PRODUCTS	109	90	97	113	160	132	171	195	242	122		
AGRICULTURAL PRODUCTS 66 98 94 107 133 135 167 191 188 163 164 9-52 FJUD 50 100 101 98 116 115 149 172 188 163 164 9-52 FJUD 76 80 85 155 148 162 187 216 216 224 197 12-38 AA m MATERIAL S 94 106 83 112 122 141 177 200 11-62 FI SHERY PRUDUCTS 03 71 100 129 172 190 250 232 265 196 FUREST PRUDUCTS 03 71 100 129 172 190 250 232 265 196 FUREST PRUDUCTS 101 99 75 125 136 148 241 237 180 177 184 9-28 ASIAN CENT PLANNED ELLUN 101 99 75 125 136 148 241 237 180 177 <	FUREST PRODUCTS	81	122	81	97	110	90	154	170	268	268	344	15.07
FJUD 50 100 101 98 116 115 149 172 188 168 153 10-40 FEED 76 80 85 155 148 162 187 216 216 224 197 1235 164 7.24 dEVERAGES 97 79 95 126 244 202 212 235 201 177 200 11.62 FISHERY PRUDUCTS od 71 100 129 172 190 250 232 265 196 FUREST PRUDUCTS i01 99 75 125 136 148 241 237 180 177 184 9.28 ASIAN CENT PLANNED ECUN V	FAR EAST DEVELOPING												
FISHERY PRUDUCTS od 71 100 129 172 190 250 232 265 196 FUREST PRUDUCTS 101 99 75 125 136 148 241 237 180 177 184 9-28 ASIAN CENT PLANNED ECUN ASR ICULTURAL PRUDUCTS 80 105 105 119 135 126 122 126 4-22 ASR ICULTURAL PRUDUCTS 80 105 105 105 119 135 126 122 126 4-22 ASR ICULTURAL PRUDUCTS 73 106 109 85 75 95 105 125 118 108 3.15 FJUD 73 106 109 85 75 95 105 125 118 108 3.15 FEED 95 79 89 132 114 83 196 795 1539 1565 1961 43-56 RA# MATERIALS 121 103 89 169 119 126 150 140 108 130	FJUD FEED RAN MATERIAL S	50 76 94	100 30 106	101 85 83	98 135 112	116 148 122	115 162 141	149 187 179	172 216 204	188 216 178	168 224 135	153 197 164	10.40 12.38 7.24
ASIAN CENT PLANNED ECUN AJRICULTURAL PRUDULTS 80 105 105 90 87 105 119 135 126 122 126 4-22 FJUD 73 106 109 85 75 95 105 125 118 108 108 3.15 FEED 95 79 89 132 114 83 196 799 1539 1565 1961 43.56 RA# MATERIALS 121 103 89 109 119 126 150 140 108 130 149 3.04 BEVERAGES 75 93 96 110 207 236 270 268 227 255 229 13.80 FISHERY PRODUCTS 73 47 91 162 186 219 261 139 149 59													
A 3R IC UL TURAL PRUDULTS 80 105 105 90 87 105 119 135 126 122 126 4-22 F JUD 73 1.06 109 85 75 95 105 125 118 1.08 108 3.15 FEED 95 79 89 132 114 83 196 795 1539 1565 1961 43.56 RA # MATERIALS 121 103 89 109 119 126 150 140 108 130 149 3.04 BEVERAGES 75 93 96 110 207 236 270 268 227 255 229 13.80 FISHERY PRODUCTS 73 47 91 162 186 219 261 135 149 59	FUREST PRODUCTS	101	99	75	125	136	148	241	237	180	177	184	9.28
F Jub 73 1 06 109 85 75 95 105 125 118 108 108 3.15 FEED 95 79 89 132 114 83 196 795 1539 1565 1961 43.56 RA# MATERIALS 121 103 89 109 119 126 150 140 108 130 149 3.04 BEVERAGES 75 93 96 110 207 236 270 268 227 255 229 13.80 FISHERY PRODUCTS 73 47 91 162 186 219 261 135 149 59	ASIAN CENT PLANNED ECUN												
FISHERY PRODUCTS 73 47 91 162 186 219 261 139 149 59	FJUD FEED RA# MATERIALS	73 95 121	106 79 103	109 89 89	85 132 109	75 114 119	95 83 126	105 196 150	125 799 140	118 1539 108	108 1565 130	108 1961 149	3.15 43.56 3.04
												229	13.80
	FUSHERY PRODUCTS	13	47 90	91	162	186	219 174	261 213	139 201	149 211	59 178	192	9.04

	1973	1974	1975	1976	1977	1978 74-76=100.	1979	1960	1981	1982	1983	ANNUAL BATE OF CHANGE 1973-83 PERCENT
HOBLD												
AGLICULTULAL PEODUCTS FOUD FAED EAN MATELIALS BEVIERGES	102 100 90 114 103	97 96 92 101 95	58 58 90 96 100	106 106 118 103 105	110 113 121 104 \$5	117 119 146 109 103	123 126 147 108 115	132 136 164 112 114	137 142 180 108 117	136 141 187 107 120	137 141 198 108 123	4.07 4.61 9.28 .50 2.44
FISHERY PECDUCIS	99	94	99	107	113	121	130	125	1.35	91		
PORLST PRODUCTS	110	108	88	104	108	115	123	124	119	115	126	2.14
DEVELOPED COUNTRIES												
AGHICULTUR AL PRODUCTS POOD FEED RAN MATERIALS BEVERAGES	101 100 101 112 91	96 95 103 103 94	58 99 88 95 99	105 106 109 103 108	111 111 104 112 115	122 123 139 113 111	129 129 148 118 132	142 144 165 123 130	146 149 171 117 137	143 146 180 117 139	1 42 1 44 1 97 1 1 4 1 44	4 • 88 5 • 17 8 • 25 1 • 48 5 • 0 0
FISHELY PACDUCIS	103	95	98	107	111	121	128	132	139	97		
FOREST PROTUCIS	108	10 9	88	104	107	114	123	125	1 21	116	128	2.37
HESTERN BULOPE												
AGLICULTUKAL PRODUCTS POCD PEED BAN MATELIALS BEVELAGES	54 54 97 96 92	96 97 106 99 92	99 99 89 97 99	105 104 106 104 109	108 106 102 54 112	118 119 139 107 109	131 131 152 111 132	141 143 160 110 127	151 154 194 108 137	150 151 229 111 139	156 156 249 120 145	5.96 6.07 10.90 1.97 4.99
FISHERY PECDUCIS	101	94	. 98	10 8	111	114	124	127	137	66		
POREST PROIDCES	115	114	84	103	105	117	123	127	125	122	135	2.70
USSE AND BASTERN BUROPE				*								
AGLICULTUFAL PRODUCTS FOCD FEED EAL HATERIALS BEVERAGES	59 102 62 93 84	107 112 79 93 97	98 57 79 100 101	95 91 142 107 102	108 105 129 115 117	96 93 119 103 117	59 57 112 59 126	100 96 96 104 128	101 57 63 107 129	161 96 74 112 132	96 92 57 95 142	23 99 -2.03 .70 4.75
FISHERY PRODUCTS	77	86	109	106	94	91	96	99	86	68		
FORESI PRODUCTS	101	98	58	104	107	110	102	100	97	97	100	16
NORTH AMERICA DEVELOPED												
AGRICULTURAL PEODUCTS POCD PEED RAW MATERIALS BEVERAGES	108 107 106 118 93	95 91 103 117 110	98 59 87 93 86	107 110 110 90 104	¥12 112 104 109 155	133 133 141 128 122	1 38 138 146 131 1 <i>5</i> 4	156 156 175 146 178	157 161 164 124 168	152 156 157 124 154	147 150 174 115 134	5.42 5.80 6.89 1.96 5.86
FISHEBY PRODUCTS	115	92	97	110	144	181	181	185	198	197		
FOREST PRODUCTS	104	106	89	105	109	113	122	129.	1 22	114	128	2.55
OCENHIN DE VELOFED												
AGRICULTURAL PRODUCTS POCD FRED BAN BATERIALS BRVERAGES	108 100 115 126 84	91 90 74 92 99	97 99 92 92 99	112 110 134 117 102	124 123 159 127 89	121 129 152 103 87	116 115 170 117 50	137 148 78 112 105	126 129 95 117 125	126 131 118 113 126	121 123 116 117 157	2.78 3.52 .93 .96 4.52
FISHEEY PRODUCTS	111	10 2	102	97	116	123	156	195	209	248		
POARST PROIDCIS	95	98	91	111	135	139	158	187	1 81	155	156	7.14

÷	1973	1974	1975	1976	1977	1578 74-76=100.	1979	1980	1961	1982	19'83	AHNUAI EATE OF CHANGE 1973-83 PBECENT
DEVELOPING COUNTRIES												
AGHICULTUNAL PRODUCIS FOOD PEED RAW MATERIALS BEVERAGES	104 101 75 115 109	97 99 78 99 96	97 95 93 97 101	106 106 129 104 103	109 117 141 96 65	110 112 154 105 59	114 118 145 99 107	114 117 162 100 107	1 20 1 26 1 92 1 00 1 07	123 129 196 97 111	127 134 200 103 113	2•56 3•24 10•74 -•55 1•16
FISHERY PRODUCTS	92	93	99	108	118	121	1 3 3	123	1 29	60		
FOREST PRODUCI S	121	100	89	111	114	121	127	122	1 10	10 5	112	• 70
AFRICA DEVELOPING												
AGEICULTURAL PRODUCTS POOD FBED RAM MATELIALS BEV&RACES	112 112 115 118 110	104 104 92 106 103	95 95 95 90 97	101 101 113 103 101	88 51 106 89 82	88 67 86 94 87	87 £3 103 \$5 \$2	87 86 72 105 82	88 85 55 107 87	90 86 72 94 95	89 89 83 91 88	-2.06 -2.35 -4.61 -1.07 -1.84
FISHERY PRODUCTS	112	106	95	99	57	100	58	117	142	55		
FOREST FROEUCTS	133	111	85	104	103	102	102	97	81	82	83	-3.46
LATIN ANERICA												
AGLICULTULAI PEODUCTS POOD PAED LAW MATELIALS BEVELAGES	102 101 64 109 113	98 101 70 97 92	58 96 96 106 104	104 103 133 97 103	1 16 1 26 1 65 1 0 3 7 9	120 121 171 132 100	124 127 165 108 112	119 117 193 106 114	129 131 238 105 109	127 127 229 97 114	139 142 262 92 124	3.43 3.54 14.81 58 1.82
FISHELY PACDUCTS	77	94	103	103	113	124	150	14.3	1 47	78		
FOREST PROLUCTS	127	109	92	59	120	145	193	215	2 19	159	239	9.74
NEAK EAST DEVELOPING												
AGEICULTUR AL PRODUCTS POCD PRED RAW MATERIALS BRVERAGES	128 121 142 132 166	97 97 105 96 124	\$3 &8 107 \$6 76	111 115 66 106 100	97 1 18 56 83 102	\$9 116 50 86 118	93 112 39 80 150	94 117 45 75 130	1 10 1 52 28 79 1 83	118 169 27 82 147	126 168 31 97 136	.78 5.05 -15.73 -3.06 3.00
FISHERY FACDUCTS	128	120	٤7	\$3	167	90	101	109	1 11	62		
POREST FROEDERS	94	123	84	93	96	81	139	123	175	181	220	8.45
FAR BAST DIVELOPING												
AGRICULIULAL PRODUCTS POCD PBED E AK MATERIALS BEVERACES	91 83 77 109 92	90 85 84 100 91	95 95 86 95 100	115 120 130 104 108	119 131 124 100 106	115 118 154 103 110	125 137 137 104 113	133 147 142 109 124	1 39 1 54 1 56 1 09 1 33	147 172 176 102 124	141 161 132 112 122	5.23 7.60 7.30 .65 3.52
FISHERY PECDUCIS	67	86	100	11.3	132	1.37	140	131	137	10 2		
FOREST FROTUETS	117	97	88	115	116	119	121	111	95	91	93	-1.07
ASIAN CENT PLANNED ECON												
AGRICULTURAL PRODUCTS POCD PEED RAN MATRIALS BEVERAGES	115 117 96 110 85	106 109 76 94 95	99 101 50 91 57	95 50 132 115 108	90 83 95 117 132	96 89 85 117 140	101 94 155 118 158	103 100 503 98 157	92 85 10 43 95 132	100 88 1099 124 158	107 93 1568 143 142	47 -1.98 37.54 2.04 6.01
FISHELY PECDUCIS	121	94	94	112	111	90	105	58	61	40		
FOREST FROLUCTS	117	81	107	112	113	142	123	107	1 12	10 5	109	.75

ANNEX TABLE 3. INDICES OF VOLUME OF EXPORTS OF AGBICULTURAL, FISHERY AND FOREST ENCOUCTS

	1973	1974	1975	1976	1977	1978 74-76=100.	1979	1980	1981	1962	1963	ANNUAL RATE CF CHANGE 1973-83 PEECENT
HORLD												
AGRICULTUL AL PRODUCIS FORD FARD BAN MATERIALS BRYERAGES	74 69 98 88 78	94 94 96 104 82	101 105 87 90 90	105 101 117 105 127	119 109 149 119 195	133 126 157 130 186	157 151 190 148 208	181 176 216 163 219	1 81 1 64 2 43 1 51 1 76	164 165 228 135 176	159 157 252 137 178	8.73 9.02 12.26 5.51 9.81
FISHERY PECDUCIS	81	92	93	116	135	163	202	209	215	160		
POAEST PROTUCTS	78	103	90	108	121	134	172	193	174	168	165	8.77
DEVELOPED COUNTRIES												
AGRICULTUKAL PRODUCTS FOOD PEED RAM MATERIALS BEVERAGES	77 73 101 91 79	93 92 96 105 82	100 105 87 90 90	107 103 117 105 126	121 109 145 115 197	133 126 153 124 186	156 149 186 141 208	172 166 210 149 220	1 65 165 2 34 1 36 1 73	151 149 217 123 175	148 142 240 128 176	7.42 7.45 11.49 4.15 9.63
PISHELY FACDUCTS	83	93	92	116	136	162	202	203	209	169		
FOREST FROIDERS	60	103	89	107	117	131	169	187	163	158	155	7.85
MESTERN BUBOPE												
AGRICULTUE AL PRODUCIS FOOD PERD RAN MATREIALS BEVELAGES	81 77 100 92 82	94 94 93 105 84	100 105 87 88 90	106 102 120 107 126	125 114 147 116 197	139 133 163 129 186	161 153 199 143 214	173 165 225 150 225	155 149 243 132 177	149 144 234 122 176	143 134 252 124 177	6.83 6.36 12.51 3.91 9.61
FISHERY PACDUCIS	85	97	95	108	126	154	192	222	200	105		
FOREST PROIDCI S	76	10 5	88	108	116	125	164	192	167	156	150	7.99
USSE AND EASTERN BUROPE												
AGRICULTUEAL PEODUCTS POCD PERD EAW MATELIALS BEVEEAGES	64 57 98 8 1 65	77 67 105 138 81	107 112 93 97 100	116 122 102 95 119	116 110 129 111 174	127 129 122 106 157	160 168 144 130 169	196 212 167 144 198	2 20 2 51 2 19 1 30 1 62	188 210 181 119 159	177 187 213 133 161	11.67 14.08 9.21 4.39 9.23
FISHERY PRODUCTS	70	95	97	108	113	114	123	127	109	51		
FOREST PROIUCES	62	85	113	102	108	109	113	138	140	131	126	6.15
NORTH AMERICA DEVELOPED												
AGETCULTUE AL PEODJCTS POCD PEED RAW HATEFIALS BEVELAGES	80 79 93 76 82	100 108 93 98 81	93 97 88 87 85	107 95 118 115 134	125 99 133 120 196	135 111 144 132 198	152 130 170 161 207	160 140 152 156 214	151 143 167 157 167	133 119 149 123 174	140 126 177 143 173	5.98 4.57 7.27 6.32 9.28
FISHELY PRODUCTS	86	94	87	119	1 32	140	169	168	189	198		
FOREST FLOLUCTS	88	95	91	113	131	165	177	165	171	174	196	8.90
OCEANIA DE VELOFED												
AGELCULTUEAL PEODUCTS FOOD PEED BAK MATEFIALS BEVEFACES	57 47 54 67 73	99 90 171 121 88	106 117 102 84 107	95 93 26 95 10 5	121 106 47 97 202	139 127 207 109 215	136 130 64 112 155	162 146 111 139 247	157 151 210 133 207	165 179 87 116 201	138 140 370 95 187	8.37 9.63 11.80 3.55 11.16
FISHERY FRODUCTS	73	10 9	99	93	127	135	149	182	209	216		
FOREST PROTUCTS	66	103	104	93	117	113	137	167	177	195	140	8.76

ANNEX TABLE 9. INDICES OF VALUE OF IMPORTS OF AGRICULTURAL, FISHERY AND FOREST PROTUCTS	ANNEX TABLE 9.	INDICES	OF VALUE CF	IMPCRTS	CF	AGEICULTUEAL,	FISHERY	AND	FOBEST H	PRODUCIS
---	----------------	---------	-------------	---------	----	---------------	---------	-----	----------	----------

94. 1												
	1973	1974	1975	1976	1977	1978 14-76=100.	1979	1980	1981	1982	1983	ANNUAL RATE OF CHANGE 1973-83 PERCENI
						- 10-1008						PARCENT
DEVELOPING COUNTRIES												
AGRICULTURAL ZRODUCTS FOCD FRED RAN MATRIALS BRVERAGES	£2 60 59 75 65	99 99 94 100 82	104 106 88 92 96	95 95 118 108 123	114 107 198 136 175	133 127 210 152 189	161 156 238 174 204	211 210 296 215 203	232 235 356 210 200	205 207 355 183 186	197 199 394 171 192	12.60 12.88 21.09 10.12 11.61
FISHERY PEODUCIS	69	86	59	115	127	170	204	251	260	90		
FORLST FLOIDETS	65	99	91	110	140	154	186	230	242	230	226	13.83
APRICA DEVILOPING												
AGRICULTUE AL PRODUCTS FOCD PEED RAW HATERIALS BEVERAGES	57 56 63 60 57	91 92 94 101 71	111 112 95 102 101	9E S6 111 97 128	123 117 221 122 183	145 143 287 131 179	164 164 376 152 168	214 220 453 155 189	232 241 591 158 183	214 222 519 172 147	191 195 391 169 161	13.16 13.63 25.30 9.32 10.09
FISHERY PRODUCTS	58	78	95	127	138	194	240	342	3 37	20 1		
FOREST PROTUCTS	55	105	96	99	126	124	141	162	181	183	185	10.77
LATIN AMERICA												
AGEICULTURAL PEODUCTS POOD PEED RAW MATERIALS BZVERAGES	66 64 77 74 73	105 104 106 119 90	97 98 85 86 89	95 98 109 95 121	106 102 190 118 149	130 127 184 134 147	160 152 229 173 281	227 229 303 196 206	230 234 345 179 192	179 179 336 149 161	185 186 387 144 141	11.51 11.70 18.95 7.83 9.15
PISHEEY PECDUCTS	74	90	1 10	100	110	148	191	222	208	42		
POREST PROIDCES	63	108	92	100	115	115	136	200	2 12	203	168	11.00
NEAR RAST DEVELOPING												
AGEICULTUNAL PEODUCTS FOOD PERD RAN HATERIALS BEVERAGES	40 38 50 50 63	91 91 90 84 88	111 113 66 106 95	9E 96 144 111 117	118 113 250 140 184	139 132 283 133 249	167 167 279 135 201	229 235 315 135 228	281 289 448 186 220	261 267 447 166 22 3	249 252 519 193 226	18.05 18.63 26.10 11.11 13.61
PISHEEY PECDUCIS	46	83	90	127	199	268	256	403	490	33		
FOREST FROEUCTS	49	80	101	119	173	167	173	228	259	250	247	16.51
PAR BAST DEVELOPING												
AGHICULTUKAL PRODUCTS FOCD FEED RAE MATERIALS BEVEFAGES	69 69 49 68 71	92 94 85 85 76	104 107 99 95 96	104 99 112 120 128	109 97 178 151 173	121 113 182 150 157	141 134 222 162 179	171 165 267 187 183	189 185 286 197 205	164 158 314 170 212	170 164 357 175 251	9.41 8.91 20.08 10.18 13.02
FISHERY PACDUC IS	60	90	98	113	113	141	170	196	2 14	46		
FOREST PROIDCIS	80	10 1	85	114	135	171	239	245	246	222	2 24	13.14
ASIAN CENT PLANNED ECON												
AGEICULIUEAL PEODUCTS POCD PEEL EAN MATERIALS BEVERAGES	86 80 31 103 65	128 131 46 121 82	90 93 101 82 55	82 76 152 98 163	120 118 217 124 362	144 130 298 178 243	152 184 106 214 302	238 210 231 315 302	2 42 2 31 4 12 2 69 3 43	227 225 302 229 466	191 197 275 170 447	11.38 11.39 23.06 11.05 23.44
PISHELY PRODUCTS	59	61	107	132	158	254	3 20	191	197	204		
FOREST PROTUCI S	81	104	78	118	182	249	282	406	394	378	448	21.62

- 160 -

	1973	1974	1975	1976	1977	1978 74-76=100.	1979	1980	1981	1982	1983	ANNUAI BATE CF CHANGE 1973-83 PERCENI
HORLD												
AGRICULTURAL PRODUCTS POLD PRED RAK MATERIALS BUVERAGES	100 SS S1 108 101	96 96 91 99 95	98 98 93 98 101	106 106 116 103 104	108 111 122 101 96	116 119 144 108 102	125 128 149 109 115	130 134 155 112 113	1 34 1 39 1 69 1 08 1 16	135 140 177 106 118	135 140 179 107 119	4.01 4.57 8.14 .70 2.27
FISHELY PACDUCIS	\$6	95	98	107	108	115	126	126	1.30	97		
FOALST FRODUCTS	110	108	88	104	109	117	125	125	119	117	125	2.16
DEVELOPED COUNTRIES												
AGRICULTUE AL 2 HODUCTS POOD FEED EAN MATERIALS EEVERAGES	102 101 94 110 102	95 95 91 99 95	98 98 93 98 102	107 107 116 103 103	104 106 120 97 94	109 110 141 102 101	115 116 147 102 114	115 117 151 100 113	1 18 1 20 1 £4 96 1 15	120 122 169 96 117	118 119 168 100 118	2.27 2.51 7.38 61 2.08
FISHERY PRODUCTS	97	96	97	107	108	115	126	124	129	103		
FOREST FROLUCTS	113	109	87	104	106	115	123	121	113	111	119	1.45
BESTELB EUEOPE												
AGLICULTURAL PEODUCTS POCD PEED BAW MATERIALS BEVELAGES	101 99 94 112 104	97 97 89 97 96	98 99 92 96 101	105 104 115 107 103	104 105 122 100 96	110 110 151 106 100	1 14 1 13 1 57 104 1 17	114 113 161 101 112	1 12 1 10 1 77 93 1 17	118 116 193 93 118	116 113 188 96 120	1.95 1.78 8.87 99 2.14
FISHERY PECDUCIS	9 7	96	99	105	101	108	121	128	1 24	69		
PORLST FROTUCIS	114	110	85	105	106	113	126	124	1 19	117	124	2.00
USSE AND EASTERN EUROPE												
AGLICULTUKAL PRODUCIS FOCD FBED BAL MATERIALS BEVERAGES	102 106 82 98 83	84 77 97 10 1 92	102 102 100 103 106	114 121 103 96 102	105 109 106 95 98	111 118 108 96 89	125 136 115 101 97	137 149 122 105 111	152 173 134 100 109	147 168 103 100 103	136 147 108 116 101	5.08 6.56 2.66 .84 1.54
FISHERY PECDUCIS	68	92	105	103	92	102	115	115	78	36		
FOREST PROTUCTS	88	95	106	100	102	101	§7	111	109	102	102	1.18
NORTH AMERICA DEVELOPED												
AGEICULT UK AL PEODUCTS POCD F2ED EAN MATERIALS B2VERAGES	105 106 86 99 106	101 103 94 97 96	94 91 93 98 101	105 165 113 105 103	101 106 109 102 89	104 101 128 105 109	107 104 135 109 115	101 96 116 100 113	106 103 117 105 112	100 94 121 94 117	104 100 112 102 116	22 ~.47 3.04 .16 1.86
FISHERY PECDUCIS	103	101	92	108	106	105	108	101	108	112		
FOREST FACBUCES	115	106	88	106	113	129	128	117	1 14	105	128	1.40
OCEANIA DE VELO PED												
AGAICULTUAAL PRODUCTS PCCD FEED BAN HATEBIALS BEVERAGES	86 79 85 95 92	104 98 156 118 97	101 107 117 85 104	96 95 27 97 99	96 100 48 83 107	94 98 213 66 90	91 56 53 76 102	97 99 87 82 111	94 96 1 40 60 1 07	118 139 53 78 119	107 122 339 70 109	1.27 3.00 5.15 -3.39 1.73
FISHELY PECDUCIS	90	110	96	54	111	107	100	116	119	140		
FOREST PRODUCT S	95	116	99	84	103	88	99	104	108	117	9 0	. 34

ANNEX TABLE 10. INDICES OF VOLUME OF IMPORTS OF AGBICULTURAL, FISBERY AND POBEST PRODUCTS

												ABNUAL BATE OF
	1973	1974	1975	1976	1977	1978 74-76=100	1979	1980	1981	1982	1983	CHANGE 1973-83 PERCENI
DEVELOPING COUNTRIES												
AGEICULTURAL PRODUCTS FJOD FRED FAN MATERIALS BEVERAGES	93 93 56 10 3 86	99 99 87 98 94	99 99 94 99 96	102 102 119 102 110	121 122 153 113 112	135 141 176 129 112	1 54 1 59 1 79 1 34 1 18	175 180 199 155 113	1 84 1 90 2 26 1 52 1 27	182 188 278 146 128	188 196 308 136 134	8.63 9.17 16.66 4.92 4.11
FISHERY PECDUCTS	83	89	101	110	107	117	128	137	1.39	52		
FOREST FROLUCY S	93	10 4	92	104	124	130	138	151	156	152	157	6•20
AFRICA DEVELOPING												
AGRICULTUE AL PRODUCTS FOOD FBED BAN HATEEIALS BEVEEAGES	88 90 66 79 71	97 97 96 99 82	100 99 101 105 102	104 103 103 96 116	134 137 173 101 130	155 163 185 105 103	160 170 214 10 95	181 194 227 106 98	194 207 308 111 121	207 222 311 135 101	204 216 306 135 119	10.06 10.86 17.25 4.03 3.02
FISHREY PECDUCIS	81	82	91	127	125	132	145	168	162	84		
FOREST PROIUCES	ε7	113	91	96	118	108	115	119	131	131	133	3.92
LATIN AMBEICA												
AGRICULTURAL PEODUCTS FOOD FARD RAW MATERIALS BEVERAGES	52 92 65 105 55	105 105 100 111 106	94 94 95 94	101 101 110 94 100	113 115 139 108 85	145 150 151 113 97	157 160 161 128 140	197 206 196 139 114	192 199 211 141 123	161 164 253 129 117	179 185 260 128 111	8.33 8.82 14.14 3.43 2.49
PISHERY PRODUCTS	97	88	113	99	95	122	154	146	1 50	31		
FOREST FROLUCTS	94	118	92	90	100	96	105	137	1.33	119	109	2.51
NEAR EAST DEVELOPING												
AGRICULTUKAL PRODUCTS POOD PRED RAW MATEKIALS BRVERAGES	67 67 58 62 85	91 91 85 83 99	104 105 70 \$11 93	104 104 145 106 108	131 133 219 106 107	140 142 271 93 135	167 172 259 59 123	184 193 242 97 123	2 12 2 20 3 44 1 38 1 29	219 227 413 131 141	231 238 499 154 137	12.74 13.30 23.33 6.34 4.83
FISHERY PRODUCTS	61	79	91	125	190	167	160	220	267	22		
FOREST PRODUCTS	75	87	98	115	150	142	148	168	180	191	188	9.83
FAR EAST DEVELOPING												
AGLICULTULAL PEODUCTS FJCD FED RAW MATBLIALS BRVDEAGES	100 102 51 94 103	92 93 82 84 90	101 101 104 103 96	107 106 115 112 114	108 104 133 127 118	118 116 152 128 106	128 128 167 127 121	140 141 184 133 119	145 146 178 133 143	142 142 247 132 157	155 156 281 138 179	5.33 5.29 15.40 4.47 5.88
FISHERY FRODUCTS	97	93	102	104	87	92	94	9 7	96	37		
FOREST FROLUCIS	107	9 9	87	113	129	156	167	156	164	154	166	6.33
ASIAN CRNT PLANNED BCON												
AGRICULTURAL PRODUCTS POOD PRED RAW MATERIALS BRVERAGES	134 134 22 137 67	124 126 42 119 83	90- 90 109 89 53	86 84 149 92 165	129 139 179 100 163	152 150 223 158 150	1 80 184 77 1 67 2 17	198 185 141 235 223	199 197 2,35 204 234	206 214 184 183 395	179 195 168 131	7.41 7.74 17.22 5.97
FISHERY PRODUCTS	38	84	111	104	131	141	155	140	234 145	150	398	20.51
FOREST FROEUCTS	92	96	93	110	136	164	164	188	191	20 0	256	10.95

ANNEX TABLE 11. THE INFORTANCE OF AGGICULTURE IN THE ECONCHY

COUNTEY	AGRICULTUBAL GDF AS \$ TOTAL GDP 1982	AGEIC. POFULATION AS % TOTAL POFULATION 1983	AGEIC. EXPORTS AS 3 TOTAL EXPORTS 1983	AGEIC. IMPORTS AS 3 TOTAL IMPORTS 1983	SHARE OF TOTAL IEPOETS FINANCED EY AGE EXPOETS \$ 1963	
ALGELIA	7	46		20	_	
ANGOLA	26 41 14	46 56 45	4 73 15	20 1 5 1 2 1 4	5 .3	
BENIN BOTSHANA	41	40	15	14		
BRIT. INDIAN OCEAN TEARIT	35	46				
BURKINA FASO	34	13	83	15 13	17	
BORDHDI	20	82 79	98 39 19 51 63 83	13	.36 30	
CAMELCON CAPE VEEDE	23 18 40 60	54	19	29	1	
CENTRAL AFBICAN REPUBLIC	40	86	51	31	60	
CHAD	60 42	81 63	63	10 30	68 47	
CONDIADS	11	32	1	14	2	
DJIBOUTI	3	46		27		
EGYPT	18	49	23	35	7	
BOUATOBIAL GUINEA	445	73 77	88	12	43	
ETHIOPIA GABOH	4.5	75	00	15	45 1	
GIBBIA	29	77	54	31	23	
GHANA	46	49	42	16	33	
GUINEA GUINEA-BISSAU	40 46	79 80	9 43	19 26	13 13	
IVORY COAST	24	78	4-3 59	20	64	
KENYA	27	76	57	10	42	
LESOTHO	22	81	26	16	E	
LIBERIA	24 3	68 12	18	24 16	20	
LIBYA HADAGASCAB	48	81	87	17	56	
BALASI	41	82	86	6	71	
BALT	27	85	77	25	56	
MAURITANIA NAURITIUS	16 17	81 27	14 57	42 28	18 56	
NOROCCO	16	49	18	20	10	
MOZAMEIÇUB	39	61	18	10	10	
BABIBIA	12 44	46 86	21	12	17	
NIGEL NIGELIA	24	50	21 4 60	14	3	
BEUNION	E	26	60	21	8	
NIGEAIA REUNION RWANDA SI. HELENA	51	88		14	35	
SI. HELENA SAO TOME AND PRINCIPE	100 73	51	28	22 22	31	
SENEGAL	31	73	29	27	17	
SPICUPTTPS	7	46	9	20	2	
SIEREA LEONE	22	63	39	27 55	15	
SCHALIA South Africa	31 6	78 27	93 7	55	90 8	
SPANISH NOETH APPLICA	22	15		-		
SUDAN	22	75	36	16	45	
SWAZILAHD TAHZAHIA	24 34	70 79	44	6 10	26 33	
TOGO	27	66	24	30	11	
TUNISIA	13	38	£	17	4	
UGANDA	75	79	90	4	100	
WESTEEN SABAEL ZAIER	22 32	37 73	36	31	41	
ZANBIA	13	65	1	5	1	
ZIMBABJE	14	57	42	4	36	
ANTIGUA AND BARBUDA	5	8	2	1.3		
BAHAMAS	3 9	8 15	s	1	5	
BARBADCS BELIZE	40	27	52	20	35	
BERMUDA	10	6		16		
BRITISH VIRGIN ISLANDS	9	e,	1	9 7	• 7	
CANADA CAYNAN ISLANDS	5 21	4 6	. 11	75	13	
COSTA RICA	19	33	70	13	70	
CUBA		21		14	77	
DOMINICA PROUBLIC	49 22	32	50	21 15	26 39	
DOMINICAN SEPUBLIC EL SALVADOS	22	54 50	63 72	19	57	
GREENLAND	33	6	1	21	1	
GEENADA	19	32	69	23	24	
GUADELOUPE GUATEBALA	8 25	14 53	78 63	22 12	11 67	
GUATEBALA HAITI	25	53	43	32	22	
HONDURAS	24	61	64	11	63	
JAHAICA	7	18	18	16	9	
MARTINIQUE NEXICO	10 7	13 33	78 7	20 25	12 19	
MONTSEREAT	20	5	1	13	17	
NETHERLANDS ANTILLES	16	8		3		
HICLEAGUA	20	39	84	11	40	
PANAMA	9	32	51	6	12	

ANNEX TABLE 11. THE INFOSTANCE OF AGBICULTURE IN THE ECONOMY

COUNTEY	AGEICULTUEAL GDP AS X TCTAL GDP 1982	AGRIC. PCFULATION AS X TOTAL POFULATION 1993	AGBIC. EXFCEIS AS X TOTAL EXFORIS 1983	AGEIC. ILFOETS AS Å TOTAL INFOETS 1983	SEARE OF TOTAL Imports Financed By Age. Exforts % 1963
PUELTO RICC ST CHAISTOFHEA AND NAVIS SAINT LUCIA ST.PIERE AND MIJUELON ST VINCENT GREADINES TEINIDAD AND TODAGC TURKS ABD CAICOS IS. UNITED STATES US VIAGIN ISLANDS			49 50 92 3 19	19 21 14 29 17 7	20 23 41 2 15
ARGENTINA BOLTVIA COLDENIA ECJALDE COLDENIA ECJALDE PEENCH GUIANA GUIANA PARAGUAY PERU SURINAME UZUGUAY VENELUELA	12 19 5 25 15 42 31 33 14 9 10 6	12 48 36 47 25 43 21 20 48 37 16 11	78 41 9 67 17 8 58 64 7 14 65 1	7 28 5 17 12 15 16 15 24 31 12 12 12	144 10 48 12 26 1 49 10 11 96 1
AF GLANISTAN BAHEAIN BAHEAIN BUNGIADESH BUUNEI BUUNA CHINA (EXC TAIWAN) CYPEUS EAST TIMOS GAAA STEIP (PALSSTINE) HONG KONG INDIA INDONESIA IEAN ISAAL JAPAN JODDAN KANFUCHEA, DENG CAATIC KOEKA EAP KUWAIT LAOS LEBANGN HALAYSIA HALDIVES HONGGIIA HEPAL OAAN PALLIPPINES QAIAE SUDI AEABIA KINGJOM OF SINGAPGGE SUI LANKA SYELA THATLAND TUREY UNITED AEAE EATEAFES YIET NAM YEMEN AEAB EEP UBLIC YEMEN DENGCATIC	4 5 17 19 10 5 66 26 26 23	77 60 83 91 7 50 57 33 57 32 61 56 35 38 6 9 24 72 35 72 8 3 57 72 8 35 72 8 35 72 8 35 72 8 35 72 8 35 72 8 35 72 8 35 72 8 35 70 57 37 57 38 57 38 57 38 57 39 57 38 57 39 57 39 57 39 57 39 57 39 57 39 57 57 39 57 57 39 57 57 39 57 57 39 57 57 39 57 57 57 39 57 57 39 57 57 57 57 57 57 57 57 57 57 57 57 57	33 1 22 61 14 38 42 5 28 5 1 1 15 1 25 30 5 5 1 10 15 15 25 30 5 5 12 29 26 6 59 12 52 47 1 29 22 20 52 20 52 20 52 20 52 20 52 20 52 20 52 20 52 20 52 20 52 20 52 20 53 1 20 54 54 54 54 54 54 54 54 54 54 54 54 54	$\begin{array}{c} 16\\ \epsilon\\ 26\\ 14\\ 9\\ 25\\ 17\\ 17\\ 4\\ 14\\ 14\\ 14\\ 5\\ 27\\ 16\\ 10\\ 13\\ 13\\ 13\\ 13\\ 13\\ 13\\ 13\\ 13\\ 15\\ 14\\ 11\\ 12\\ 20\\ 10\\ 10\\ 10\\ 10\\ 10\\ 10\\ 10\\ 10\\ 10\\ 1$	32 1 10 86 17 15 23 5 18 12 1 9 1 5 3 6 2 1 5 3 6 2 1 5 3 6 1 2 7 1 5 3 6 1 2 7 24 7 1 5 3 6 1 2 7 2 4 7 1 5 3 6 1 2 7 2 3 6 1 2 7 1 5 3 6 1 2 7 1 5 3 6 1 2 7 1 5 3 6 1 2 7 1 5 3 6 1 2 7 1 5 3 6 1 2 7 1 5 3 6 1 2 7 1 5 3 6 1 2 7 1 5 3 6 1 2 7 1 5 3 6 1 2 7 1 5 3 6 1 2 7 1 5 3 6 1 2 7 1 5 3 6 1 2 7 1 1 5 3 5 6 1 2 7 2 4 7 1 1 5 3 5 6 1 2 7 1 1 5 3 5 6 1 2 7 1 1 5 3 5 6 1 2 7 1 1 5 3 5 5 3 5 5 3 5 5 3 5 5 3 5 5 3 3 2 9 1 1 1 5 3 5 1 3 3 2 9 1 1 1 5 3 5 3 3 2 9 1 1 1 3 3 2 9 1 1 1 3 3 2 9 1 1 1 3 1 1 3 1 1 1 3 1 1 1 1 1 1 1 1 1 1 1 1 1
ALBANIA ALGANIA AUSTRIA BELGIUN-LUXENBOURG BULGARIA CZECHOSLOVAKIA DENAAK PAEGOE ISLANDS PINLAND PINLAND PEANCE GEMAANY, PEL. EZP. OF GIBEALTAE GEBECE	45 4 3 43 10 5 46 14	58 21 3 30 5 6 4 12 7 9 21 35	5 11 10 3 29 3 5 17 2 6 35	6 13 6 11 12 10 7 7 12 5 14	4 10 10 3 28 2 5 15 2 6 16

ANNEX TABLE 11. THE INFORTANCE OF AGBICULTURE IN THE ECONCHY

COUNTEY	AGRICUITURAL GDE AS X TOTAL GDP 1982	AGEIC.PCFULATICN AS X TOTAL PGFULATICN 1983	AGEIC. EXFORIS AS % TOTAL EXPORTS 1983	AGEIC. IMPORTS AS X TCIAL IMPORTS 1983	SBADE OF TOTAL IMPCETS FINANCED EY AGL EXFORTS % 1983	
IOLY SEE		21				
IUNGAAY			23	9	24	
ICELAND	21	10		12	3	
IRELAND	13	15 10 19	23 3 28 7	9 12 14 16	26	
ITALY		g		14 16	6	
IECHIENSTEIA		2				
ALIA	4	4	4	15	2	
CNACO	44	2				
NETHELLAND S	6	5	22 2 7	16	24	
JOBLAX	5	7	2		2	
OLAND		28	7	13	8	
OSIUGAL	11	24	8	19	4	
ROMANIA		45	7	13 19 9	9	
SAN MARINO	43	21				
SPAIN	9	15	15	13	10	
SHELEN	3	5	3	7		
SHITZEBLAND	7	5	4	9	3	
INITED KINGDOM	2	2	7	13 9	7	
IUGO SLAVIÀ	15	34	11	5	9	
ANTETCAN SAMOS	5.8	55		14		
AMERICAN SAMOA AUSTRALIA	5	5	34	5	34	
AUSTEALIA CHRISIMAS ISLÀND (AUSI.) COCCS (KREIING) ISLANDS COCK ISLANDS	56	55				
COCCS (KEELING) ISLANDS	63	55				
COOK ISLANDS	56	55	43	18	Ó	
	27	38	55	16	27	
FIJI FBENCH FOLYNESIA	7	55	12		1	
GUAM	77	55		4		
JOHNSTON ISLAND	63	55				
KIRIDATI	58	55	6	26	10	
MIDWAY ISLANDS	56	55				
NAUEU	57	55		17		
NEW CALEDONIÀ NEW ZEALANE NIUE NOEFOLK ISLAND	3	59	1 64 19	24		
NES ZEALAND	12	9	64	6	71	
NIUE	56	55	19	21	4	
NCEFOLK ISLAND	56	59	23	ç	3	
NORFOLK ISLAND PACIFIC IS. (FRUST FL.) PAPUA NEW GUINBA SLMOA	58	55	38	26 16 19 15	13	
PAPUA NEW GUINBA	41	81	32	16	26	
SAMOA		55	69	19	28	
SCLONON ISLANDS	63	59	23	15	26	
LOVETAO	60	55		24	10	
TONGA	55	55 55	11	24 15	10	
CUVALU	60	55 59	60	15	28	
CUVALU VANUAIU WAKE ISLAND	55 71	55	50	9	20	
WAKE ISLAND BUG HUL ZC	60	55		13		
WALLIS AND FUT UNA IS.	60	35		13		
USSE		15	3	23	3	

ANNEX TABLE 12A. LESOURCES AND THERE USE IN AGRICULTURE

COUNTEY	ARABLE LAND AS % CF TOTAL LAND 1982	IFFIGATID IAND AS % CF AFABLE LAND 1922	FCREST LAND AS % OF TOTAL LAND 1582	AGRIC.POFULATION PEE HA OP ARABLE LAND 1962	AGRIC.LAB.PORCE AS X CP AGBIC.POPULATION 1983	
ALGELIA	3	5	2 43 35 2		22	
ANGOLA	3		43	1.2 1.3 .9 .6	26	
BBHIN BOTSWANA	16 2	1	35	• 9	45 46	
BRIT. INDIAN OCEAN TEERIT			_		20	
BUEKINA FASO BUEUNDI	10 51		26 2	2.0 2.7 1.0 4.2	52 47	
CAMERCON	15		2 54 64	1.0	47	
CAPE VERDE	10	5		4. 2	32	
CENTRAL AFFICAN REPUBLIC CHAD	3 3		64 16	1.1 1.2	53 38	
COBOROS	42		16	2.9	36	
CONGO DJIBOUTI	2		62	- 6	34	
EGYPT	2	100		8.7	30 28	
EQUATORIAL GUI NEA	8		61	1.2	29	
ETHIOPIA GABOR	13		24 78	1.9	41 47	
GAMBIA	1.6 12	21 .	20	2.9	48	
GHABA GUINEA	12 6	1	38 43	8.7 1.2 1.9 2.9 2.2 2.5 2.4	36 44	
GUINEA-EISSAU	10	1	20	2.3	44 30	
IVORY CCASI	12	1	28	2.4 1.7 5.8 3.9	49	
KENYA LESOTHO	4	2	4	5.8	37 51	
LIBERIA	4	1	39	3.7	36	
LIBYA MADAGASCAE	1 5	11 16	37	- 2	25	
HALAWI	25	10	23 45 7	2.5	48 44	
HALI	2	6	45 7 15 31 12 19		53	
MAUBITANIA MAURITIUS	58	4 15	15	3.1 6.8 2.5 1.3 2.6 1.0 1.3 1.5 2.6	30 37	
NOBGCCO	58 19	6	12	1.3	27	
NOZAKBIQUB NAMIBIA	4	2	19	2.6	37	
NIGER	1 3	1	13	1.0	31 31	
BIGEEIA	33		16	1.5	37	
RBUNION BHANDA	22 41	9	35 11	2.6 4.7	32 52	
ST. HELENA	6		3		52	
SAO TOME AND PEINCIPE	38	2		1. 3 • 6 5. 4	25	
SENEGAL SEYCHELLES	27 22	3	28 19	- c 5- 4	41 30	
SIBERA LECHE	25		29	5.4 1.2 3.6	37	
SOMALIA South Africa	2 11	15 8	14	3_6 •6	36 36	
SPANISH NOETH APRICA			4		36	
SUDAN	5	15	20	1.2 3.0 3.1	31	
SWAZILAHD TANZAHIA	6	22	6 47	3.U 3.1	45 40	
1060	26	1	29	1.3	40	
TUNISIA UGANDA	32 29	4	4 30	• ^E 1• 9	24 40	
WESTERN SABARA			JV	26.9	24	
ZALEB	3 7		78	3. 5	41	
ZAHBIA ZIMBABWE	7	4	27 62	• 8 1• 6	36 32	
ANTIGUA AND BABBUDA	18		16	- 8	38	
BAHANAS	1		32	2.0	38	
BARBADOS BELIZE	77 2	4	44	1, 2 • 8	44	
BERNUDA		7	20		46	
BRITISH VIEGIH ISLANDS CANADA	27	1	7 35	• 3	38 43	
CAYMAN ISLANDS	L	•	23		43	
COSTA RICA	13	4	32	1.3	34	
CUBA Dominica	28 23	31	17 41	• 7 1• 4	31 33	
DOMINICAN BEPUELIC	.30	12	13	2.2	26	
EL SALVADOB GEBENLAND	35	15	6	3 . 5	31 46	
GEBENADA	41		9	2. 6	46 33	
GUADELOUPE	22	5	40	1.2	37	
GUATEMALA HAITI	16 33	4	40 4	2.3 4.4	30 49	
HONDUEAS	16	5	35	1.4	29	
JANAICA	25	12	28	1.6	36	
HARTINIQUE BEXICO	18 12	26 22	26 25	2.3 1.1	36 29	
HONTSERAAT	20		40	• 5	38	
NETHEELANDS AN TILLES NICALAGUA	8 11	7	36	2.7 .9	38	
					31	

	AFAFIE LAND AS % OF TOTAL LAND 1982	LEBIGATED LAND AS X OF ASABLE LAND 1982	FCEEST LAND AS % OF TOTAL LAND 1982	AGRIC.POFULATION FEE EA OF ABABLE LAND 1982	AGEIC.LAB. POACE AS X CP AGEIC.POPULATION 1983	
PULETO BICC ST CHRISTOPHER AND NEVIS SAINT LUCIA SI.PIEBEE AND MIQUELON ST VINCENI GES BADINES TRIBUIDE AND FORAGO TURKS AND CAICOS IS. UNITED STATES US VIRGIN ISLANDS	15 39 20 13 50 31 2 21 21	30 6 13 11			33 38 46 33 39 38 46 38	
AEGENTINA BOLIVIA BBAZIL CHILE COLOMBIA ECUADCE FEBACH GUIANA GUIANA PAEAGUAY PEBU SUBINAME ULUGUAY VENEZUELA	15 3 7 5 9 3 5 3 8 4	5 4 23 6 21 25 34 67 6 8	22 52 67 21 50 52 82 83 52 83 52 96 4 39	- 1 - 5 - 6 - 4 - 2 - 4 - 4 - 8 - 2 - 0 - 2 - 7	38 33 32 33 30 32 36 34 32 26 26 39 31	
ATGEANISTAN BAMGLADESH BAMGLADESH BUUTAN BEJNEI BUENA CHIMA (FIC TAIWAN) CYPEUS BAST TINOK GALA STEIP (PALESTINE) HONG KONG INDIA INDONISTA INDONISTA INDONISTA INDONISTA INDONISTA INDONISTA INDONISTA INDONISTA INDONISTA ISAAL JAPAN JOLDAN KAMPUCHEA, ENDCRAFIC KOELA REP KUWAIT LAOS LEBANON MACLU MALAYSIA MALDIVES MONGOLTA NEPAL OMAN PHILIFPINES QATAL SAUDI ARABIAKINJOH OF SINGAPCE SHI LANKA SIAL THALLAND TURKEY UNITED AFAE EMIKATES VIET NAM	12 3 68 2 15 11 47 5 45 8 7 11 13 4 13 13 4 17 19 22 4 29 13 10 1 17 26 38 11 13 4 29 13 10 1 17 26 38 11 13 4 29 13 10 1 17 17 17 19 22 29 15 11 11 13 13 14 17 5 5 7 17 18 19 22 29 19 19 22 29 19 19 22 29 19 19 19 22 29 19 19 22 29 19 19 22 29 19 19 22 29 19 19 22 29 19 19 22 29 19 19 22 29 19 19 22 29 19 19 22 29 19 19 22 29 19 19 22 29 19 10 11 11 11 11 11 11 11 11 11 11 11 11	33 50 20 10 44 22 38 24 28 25 32 49 67 5 3 47 54 100 13 29 9 3 10 13 29 9 3 10 13 29 9 3 10 13 25 32 47 12 35 24 10 13 29 3 3 10 13 29 3 3 10 13 29 3 3 10 13 29 3 3 10 14 4 28 25 32 32 32 32 32 32 32 32 32 32 32 32 32	3 16 70 79 49 14 19 74 13 23 67 11 3 2 67 74 66 76 74 66 55 7 67 3 10 33 10 33 4 41 1 5 77 3 12 67 31 8 7	1.4 114,9 8,5 12,9 2,0 1.8 5,9 .5 4,3	33 25 34 48 29 39 46 47 30 26 47 32 47 32 47 32 47 32 47 33 4 22 47 32 52 47 32 52 47 35 25 25 47 25 25 41 25 25 41 25 25 41 25 25 41 25 25 25 25 25 25 25 25 25 25 25 25 25	
ALBANIA ANDLEKA AUSTRIA BILGIUM-LU KEMBGURG BULGAFIA CZECHOSLOVAKIA DEMMAK PERSOE ISLANJS PINLAND FEANCE GERMAN EPMCCAAIIC BEP. GERMANY, FIL. E&P. OF GIBEAITAR GEBECE	26 2 20 38 41 62 2 8 34 47 31 30	54 29 4 15 3 6 3 4 25	45 22 40 21 35 37 12 76 27 28 30 20	2.4 7.1 .4 .3 .7 .3 .1 .5 .3 .3 .5	43 36 45 39 52 50 49 43 43 43 43 53 43 43 43 43 43 43 42	

CO UNIFY	ARAELE LAND AS 7 OF TOTAL LAND 1982	ISFIGATED LAND AS % OF ABABLE LAND 1982	FOEEST LAND AS X OF TOTAL LAND 1982	AGRIC.PCFULATION FES HA OF ARABLE LAND 1982	AGEIC.LAB.FCLCE AS X OP AGEIC.POPULATION 1983	
HOLY SEE						
HUNGALY	57	2	1 0	-	30 44	
TOBILLED		5	10		44	
ICELAND IEELAND IIALY LIECHIENSIEId MALIA	14	3 24 7	1	3.1	43	
	42	2.0	15	• /	38	
IIALI I IRCUTINGETA	42	24	22	• 5	38	
HALLA HALLA	44	7	19	• 2	46	
HCHACO	44	,		1.2	35	
	25	5.0	0	â	46	
	20	58 10 1 18 23	9	• 8	39	
NOBWAY	49	10	21	• 3	38	
PCLAND		1	29	• 7	56	
PORTUGAL	39	18	40	• 7	39	
BOHANIA	46	23	28	1.0	55	
AGUARIA SFAIN SFAIN SWIDEN SWITZEBLANE UNITZE KINGDOM YUGOSLAVIA	17			4. 5	55 36 39 50	
SFAIN	41	15	31	.3	36	
SWEDEN	7	2	64	. 1	39	
SWITZEBLANE	10	6	26	.7	50	
UNITED KINGDOM	29	6 2 2	9	. 2	47	
YUGOSLAVIA	-31	2	37	. 8 . 3 . 7 1. 0 4. 5 . 3 . 1 . 7 . 2 1. 0	46	
AMELICAR SANOA	20		70	4.5	33	
AUSTRALIA	4	4	14		42	
CHRISTHAS ISLAND (AUST.)			• •		36	
COCCS (KEELING) ISLANDS					36	
COCCS (REELING) ISLANDS COOK ISLANES FIJI	26			1. 7	33	
FIJI	13		65	1• 7 1• 1	34	
PRENCH POLYNESIA	20		31	i. i	33	
GUAM	22		18	5.2	36	
JOHNSTON ISLAND			10	5. 2	36	
KIRIBAII	51		3	• S	36	
HIDWAY ISLANDS	21		5	• 3	36	
NAUEU						
NEW CALEDG MIA	1		c 1	6 7	38	
		36	27	€. 7 . 6 . 1	40	
NTHE	2 65	56	37	• C	40 36	
NOT TOLY TOTAN			13	• 1	36	
PACIFIC IS. (TRUST TR.) PAPUA NEW GUINEA	23		22		38	
DIDUV NES CULVET	1		71	1.3	36	
SAMOA ASE GOINIA	43		/1	/• 5	49	
SCLONG N ISIANDS			47	• 7 2• 8	33	
TOKELAU	2		E6	2.8	38	
TONGA	79			. .	36	
TUNGA TUVALU	79		12	1. 1		
	6			-	36	
VANUATU WAKE ISLANE	¢		1	• 8		
HARD ISLAND DUDGES TO	0.5				36	
BALLIS AND FUTURA IS.	25			1. 1	33	
ISSE	10	8	41	• 2	50	

COUNTEY	AGRICULTUBAL GFCP \$ PES HA ARABLE LAND 1982	AGRICULTUFAL GFCF \$ FER CAPUT OF AGRIC.LAE.FORCE 1962	FERTILIZER USE PEB HA AFAE.LAND KG/HA 1982	NCS. CP TEACTGES FEE 000 HA ARABLE LAND 1982	OFFICIAL COMMITH. TO AGRICULTURE \$ PER CAPUT 1982	
AIGELIA			21	6 3 2	• 1	
BENIN			2	5	7.6	
BOTSWANA	2.8	12.6	1	2	45.1	
			4		21.9	
BURUNDI CAHERGON			6		17. 2	
				1	17.2 18.1 13.9 2.2 12.1	
CENTRAL AFFICAN REPUBLIC			2		13.9	
			2	1	12-1	
DJIBOOTI			-	•	З. б	
EGYPT	204.0	83.8	335	16	3.4	
ETHIOPIA CAHON	48-1	105.0	3 1	3	1.8 18-1	
GAHDIA	1001		16	•	35.7	
GHANA			10	1	2.5	
CAPE VEDDE CRMIAL AFFICAN AEPUBLIC CRMIAL AFFICAN AEPUBLIC CONGO DJEBOUTI BCYPT STHIOPIA GABLIA GINNA- GUINZA-EISSAU IVORY CCAST KENNA LESOTHO LIBEATA LIBYA MADAGASCAE MALE HAULTANIA HAULTINIA HAULTINIA			2		1. Z	
IVORY CCAST			. 9	1	16, 6	
KENYA	34.3	16.1	29	3	10.4	
LESOIHO	42.3	22. 1	15	5	15.7	
LIBERIA	609.1	11338.4	4	8	17.6	
MADAGASCAR		1155 (64	5	ĩ	7.1	
HALF NI			14	1	4.2	
MALI			Е	1 3 3 2 4	24-1	
NAULITANIA NAURITIUS	115.9	125.3	240	3	29.2	
NORGCCO			25	3	12, 1	
HOZAHEIÇUB			13	2	7. 2	
NAMIBIA NIGEE			1	4	14.4	
NIGELIA			i			
BEUNION			163	27		
BRANDA			1	3	9. 2	
ST. HELENA SAO TOME AND PEINCIPE				5	38.9	
SENEGAL			4		36.9	
SEYCHLLLES			149	6	31.4	
SEYCHELLES SIELEA LEC NE SOMALIA			1	6 2 13 1 21 4 7 6	7. 4 6. 3	
SOUCH AFRICA	74.3	325. 5	83	13		
SUDAN		70 (4	1	6.0	
SWAZILAND TRNZANIA	78.3	/9.6	120	21	22.9 10.1	
TOGO			2	•	2.6	
TANZANIA TOGO TUHISIA UGANDA	65.8	79•6 528•5	17	7	17.7	
UGANDA				4	4.0	
WESTERN SAHAHA ZAIRE			1	c	1. 7	
(7) N T T T			19		15.3	
ZIMBAEWE	52.1	96.2	53	7	17.5	
ANTIGUA AND BABBUJA			122	29 8 17 25 14 10 20	1. 0	
BAHAMAS BARBADOS			182	17	4.2	
BELIZE			26	25	24. 7	
BRIIISH VIEGIN ISLANDS	70.7			1		
CANADA COSTA BICA	79.7 3 0 .2	7616•1 72•5	44 113 172	14	32.0	
CUBA	5001	124.5	172	20	5200	
DOMINICA			107	5	11.4	
DOMINICAN EEPUELIC EL SALVADOF	11 0	10.6	35 83	2	11.0 7.3	
GRENADA	11.0	1440	60	2	4.6	
GUADELOUEE			175	23	1.3	
GUATEMALA	37.1	52.8	50 5	2	2.8	
HAITI HONDUEAS			14	1 2	5.9 22.9	
JAMAICA			57	11	17.6	
MARIINIQUE			570	46		
MEXICO MONTSERBAT			78	777	6.3 20.0	
NETHEELANDS ANTILLES				15	20.0	
NICARAGUA			19	2	9.4	
			47	7 26	14. 5	
PANAHA RUNETO ETCC						
PUELTO RICC			171			
PUERTO FICC ST CHRISTOFHER AND NEVIS SAINT LUCIA			171 95	15 2	30. 8	
PUERTO RICC ST CHRISTOPHEA AND NEVIS SAINT LUCIA ST VINCENT GAE NADINES			95 229	15 2 4		
PUERTO FICC ST CHRISTOFHER AND NEVIS SAINT LUCIA	€3 . 8	7661.7	95	15 2	30 . 8 . 1	

ANNEX TABLE 128. RESOURCES AND THERE USE IN AGBICULTURE

COUNT BY	AGRICULTURAL GFCF \$ PER HA ABABLE LAND 1982	AGRICULTUBAL GFCF \$ EEE CAFUT OF AGBIC.LAE.FORCE 1982	FERTILIZES USE PEE HA ARAB-LAND KG/HA 1982	NCS. CF IFACIOES PEE 000 HA ARABLE LAND 1982	OFFICIAL COMMITE. TO AGRICULTURE \$ PRE CAPUT 1982	
ARGENIINA			3	4	1. 8	
BOLIVIA BRAZIL			1	5	3.4	
CHILE			19	ě	8.2	
COLONBIA ECUADOS			55	5	8.4	
FRENCH GUIANA			217	37	14.3	
GUYANA PARAGUAY			17	7	8. 4	
PEEU			27	2	18.0	
SURINAME			133	26	104 2	
UEUGUAY VENEZUELA	132.2	576.7	38 41	4 5 5 3 3 7 2 4 26 23 11	• 2	
AFGHANISTAN			7			
BAHFAIN			57			
BANGLADESH BHUTAN			51 1	1	7.6 5.3	
BEUNEI				3		
BURMA CHINA (EXC TALWAN)			17	. 1	3.4	
CYPLUS	94.0	44 1. 3	45	3 1 8 25 1	• 2 • 3	
BAST TIBOL GAZA STAIP (PALESTINB)				_1		
HONG KONG				16 1		
	35.4	40.1	35	3	2.0	
INDIA INDONESIA IEAN	78.0	30 2- 5	17 155 45 78 65 15 178 411 35 431 338	1	5.0	
		50205	15	š		
ISRAEL JAPAN	414.0 141.9	1890.2	178	64	3.6	
JOBDAN	141+3	11.50 2	35	11	4. 2	
KAMPUCHEA, DENO CRATIC			4			
KOBEA DEB Kobea Bep	641.8	251.6	338 282	14	4.5	
KUWAIT			732	26		
LAOS LEBAHOH			149	1	1.1 .0	
HALAYSIA			149 102	2	28.5	
MONGOLIA NEPAL			11	٤		
OBAN			14 27	14 3 26 1 10 2 8 4	3.9	
PAKISTAB PHILIFFINES	25.0	39.1	62	5	3.2 8.9	
QATAB			30 27 3	2		
SAUDI ARABIA KINGDOM OF			83	1		
SINGAPORE SRI LANKA			783	8 12	12.8	
SRI LAHKA SYRIA THAILAND TURKEY	53. 9	270.5 38.0	783 74 27 18 54	1 8 12 6 18 6 18	12.8	
THALLAND TURKEY	.33.2	38.0	18 54	6	7.1	
UNITEL ABAE EMIRATES	7628.6		203	10	• 2	
		(C 7	51	6	• 7	
YEMEN AFAB REPUBLIC YEMEN DEMOCRATIC	30.1	63.7	5 11	1 6	2.2 .2 .7 5.6 16.4	
ALBANIA			155	15		
AUSTAIA BELGIUM-LUXEADOURG	616.2	4232.8		198 133		
BUTCVFTS				14		
CZECHOSLOVÁKIA DEMMABR	336.5	5160. 7	337 247	26 65		
PINLAND	394.6	5160.7 3333.7 2527.9	224	96		
FRANCE GERMAN DEMOCRATIC REP.	258.6	2527.9	299	83		
SERMANY, FED. BEP. OF	517.8	3707.9	281 435	30 197		
JBBECE Hungasy	1844.3	4948.0	161	40		
ICELAND			288 3738	10 1725		
ERKLAND ETALY	565+6	2131.0	644	150		
IBC HT ENSTEIN	351.2	2024. 1	161	52 113		
SALT A	249.3	581.7	26	31		
NETHEELANDS NGBUAY	1516•5 1042•1	4753.5 8040.4	738 319	215		
POLAND			215	166 48		
POETUGAL ROMANIA			73	21	.3	
SPAIN			159 72	16 27	4. 2	
	242.7	4319.8	161	64		
		4315-6				
SWEDEN SWITZZBLANE INITZD KINGDOM IUGOSLAVIA	244.9	3466.9	414 365	249 77		

ABNEX TABLE 12 B. RESOURCES AND THEIR USE IN AGRICULTURE

COUNT 5Y	AGRICULTURAL GPCF \$ PER BA ARABIE LAND 1982		FEATILIZEE USE PER HA ARAB.LAND KG/HA 1982		OFFICIAL COMMITE. TO AGRICULTURE \$ PER CAPUT 1982	
ABERICAN SAMDA				Э		
USTEALIA COCK ISLANES			24	7 22		
IJI .			58	7	10.5	
REBCH POLYNESIA			13	2 7	1. 3	
IEN CALEDO KIA			70	108	17-3	
IEZ ZEALAND	1228.3	5154.5	947	214 1		
ACIFIC IS. (TRUST TE.)				1		
APUA NEW GUINEA Samoa			15	4	20-4 18-8	
ONGA			2	1	24.0	
ANUATU				1	42.3	
ISSE			67	11		

.

ANNEX TABLE 13. MEASURES OF OUTPUT AND FRODUCTIVITY IN AGBICULTUBE

COUNT 5Y	AGRICOLTUEAL GDP \$ FEB CAPUT AGRIC. PCPULATION 1982	AGRICOLTUBAL GEF GEOWIH EATE 1973-82 1	INDEX OF FOOD PRODUC. PER CAPUT 1974-76=100 1981-83	INDEX OF 101. AGE. PROLUC. FIF CAPUI 1974-76=100 1981-83	EFE CAPUT DIETARY EFERGY SUFPLIES AS % CF EEQUIRBA. 1982	INDEX OF VALUE OF AGEIC. EXPOSTS 1974-76=100 1981-83
ALGERIA	326	18.3	83 82 95 69	84	110	210
ANGOLA	185 253	1.0	82	66	110 97 95 105	274
BENIN BOTSWANA	253	13.2 7.4	95	66 95 69	95	236
BRIT. INDIAS OCEAN TERRIT	233 249 744 73 143	6.0	05			183
JUBKINA FASO	73	9.4	100	102 99 85 106	79 102 91	144
BURUNDI	143 225	13.8	97	99	102	216
CAMELOON CAPE VEEDE	225	10.5 7.4	84 106	85	91 117	173
ENTRAL AFFICAN REPUBLIC	91 127 90	11.0	94	92	95	127 117
CHAD	90	7.0	101	97	72	63
CMOROS		12.9	88	87	103	164
CONGO DJIBOUTI	248 74	8.1 18.0	98	99	112	239
SGYPT	282	4.7	92	92	130	228 208
QUATORIAL GUINEA	47			.	150	70
THIOPIA	88	6.1	106	10 £	93 122	320
ABON AMEIA	276 159	5.7 7.2	99	100	122	196
HANA	1925	26.0	80 65	80 65	91 67	269
UINEA	218	4.4	85	85	79	11 5 15 3
UINEA-EISSAU	117	6.0	69	6 9	97	106
VORY COASI	270	15.3	111	108	115	241
(EBYA ESOTHO	107 67	5.0 8.3	86 76	90 77	88	170
IBERIA	162	8.3 8.9	76 92	88	100 97	201 208
IBYA	2166	15.8	84	84	156	181
ADAGASCAR	182	10.4	9 0	88	113	264
ALANI Ali	127 62	13.0	101	104	97	73
AUEITANIA	97	16.8 8.3	106 102	107 102	73 96	113
AURITIUS	610	.7	92	93	125	175 129
OBOCCO	219	8.0	89	89	110	141
OZABBIÇUE Anibia	278 410	1.6	68	67	79	153
IGEA	193	4.9 16.6	75 122	75 122	91 104	144
IGEAIA	383	13.0	98	97	104	158 429
BUNION	937	10.0	106	104	110	119
WANDA T. HELENA	144	15.6	114	114	95	77
AO TOME AND PRINCIPE	507	10.6 7.9	70			74
ENEGAL	507 155	6 . 4	79 70	79 71	100 100	124 130
EYCHELLES	267	5. 2			100	120
IEBAA LEONE	170	S. 2	98	95	84	159
DEALIA DUTH AFRICA	177 574	24-9	72 93	72	91	235
PANISH NOFTH AFRICA	1013	9 . 1 8 . 1	23	5e	116	131
UDAN	108	4.2	94	68	96	168
WAZILARD	339	9.9	115	117	111	115
AHZANIA DGO	119 127	15.4	102	95	107	95
UNISIA	399	8.7 8.1	99 87	99 88	94 111	535
GANDA	249	16.9	91	67	78	183 137
ESTELN SABARA	405	10.7				134
AIRE	74	13.5	93	93	9.6	87
AMBIA INGABWE	110 213	8.2 8.0	74 75	75	87	230
	213		/3	81	89	144
NTIGUA AND BARBUDA	858	3.3	100	98	81	115
AHAHAS ABBADOS	2444 2336	4-2	125	125	85	110
ABBADOS ELIZE	1524	13.1 10.4	103 120	103 120	126 118	117
ERNUDA	17638	12.8	120	120	118	10 1 11 2
RITISH VIRGIN ISLANDS	3398	9.0				79
ANADA	13564	8.8	121	121	129	100
AYMAN ISLANDS OSTA RICA	1982 644	14-2	88	~ ^{<i>L</i>}		
JBA	044	9 . 0	127	94 125	117 130	122 116
OMINICA	1323	11.1	92	92	95	137
OMINICAN EEPUELIC	542	13.3	95	E.9	96	136
I SALVADOB BEENLAND	334 37404	11.7	91	86	88	185
RELAD RENADA	37404	20.3 12.2	104	104	0.0	144
UADELCOPE	1894	4.1	98	104	88 103	150 135
UATEMALA	532	12.7	102	95	96	237
AITI	146	12. 4	9 0	89	84	198
ONDUEAS AMAICA	283 546	12-1	107	110	95	177
ABAICA	2843	3•3 9•0	95 87	95 87	109	101
EXICO	487	9.6	10.6	103	111 128	146 344
ONTSEEFAT	1784	S. 1			140	127
ETHELLANDS AN TILLES ICARAGUA	7486 502	8.8 7.3	75 74	75 75	11 2 10 1	134 202

COUNTEY	AGLICULTURAL GDP \$ FEB CAPUT AGRIC. PCPULATION 1982	AGBICULTUEAL GEF GBOWTH EATE 1973-82 X	INDEX OF FOOD PEODUC.PEE CAPUT 1974-76=100 1981-83	INDEX OF TOT. AGE. PROFUC. FEE CAFUT 1974-76=100 1981-83	PER CAPUT DIETALY ENERGY SUPPLIES AS % CF EEQUINEM, 1982	INDEX OF VALUE OF AGEIC. EXPORTS 1974-76=100 1981-83
		4.5	87	88		
ST CHRISTOFHER AND NEVIS SATNT LUCIA	3077 704	13.0 12.8	96	96	102	117 148
ST.PIERE AND MIQUELON	19198	13.7				96
ST VINCENT GEENADINES	564	12.8	107 70	107 70	100 123	88 161
TURKS AND CAICOS IS.	1486	11.3				
PUBLIC RICC ST CHRISTOFHER AND NEVIS SAINT LUCIA ST PIERE AND HIJURLON ST VINCENT GER MADINES TRINIDAL AND CORGO URUSA NAD CAICOS IS. UNITEL SIATES US VINGIN ISLANDS	15920 56562	5.6 12.3	108	107	137	104
ARGENTINA		10.8 18.3 15.5 14.3 16.3 13.0	112 87 113 102	109 86	127	138
BOLIVIA BEAZIL	658	15.5	113	112	90 110	153 163
CHILE	629	14.3	102	86 112 103 108 91	10 8	106
COLCHEIA ECUADOR	470	16.3	106 92	91	110 90	226 199
FARNCH GUIANA	5447	10± 3				181
GUYANA PARAGUAY	21-22 459 658 629 1658 470 5447 974 4161 465 1779 2633	7.2 19.3 4.0	91 109 82	92 105	100 123	64 117
PERU	465			0.0	90	155
SUBT NAME URUGUAY	2633	12.4 8.7	145 106	145 107	110 103	145 104
VENEZUELA	1553	16.2	91	90	103	219
AFGHA BISTA K BABKAIN	197 64	16.3	105	100	85	181 135
BANGLADESH	64		101	10 1	82	101
BHOIAN BEUNEI	64 115 1454 159 134 987 723	6.4 12.4	104 82	103 82	114	173 175
BUERA	159	8.4 7.5	121	121	114	198
CHINA (EXC TAIWAN) CYPRUS	434 987	7.5 7.9	120 110	122 109	108 139	274 169
EAST TIMOS GAZA STRIP (PALESTINE)	723	15.4				
HONG KONG	2018	10.5 6.0	101	101	112	59 131
INDIA	114		101 108	108	9.5	92
INDONESIA IEAN	254	13.9	121 103	120 101	110 126	142 164
IBAQ	2704		110	108	116	320
ISBABL JAPAN	3794 3817	8.1 6.9 14.8	93 9 1	99 90	116 124	127 116
JOBDAN	261	14.8	107	106	105	190
KAMPUCHEA, DEMO CRATIC KOBLA DPE			98 111	96 111	81 130	105 99
KOBEA BEP KUWAII	806 2874	14.6 16.0	105	107	127	243
LAOS	2074	10.0	125	125	89	178 68
LEBANON MACAU	950	19, 5	124 127	121 177	120 107	149 145
HALAYSIA	950 932	15.5 12.9	113	107	119	156
HALDIVES HONGOLIA	138	7.4	91 88	9 1 88	85 115	216 149
NEPAL	114	7.2	91	91	92	125
OMAN PAKISTAN	219 190	7.2 13.5 14.3	105	105	99	276 142
PHILIPPINES	413	12.7	113	114	106	151
QATAE SAUDI ABABIA KINGDOM OF	309	24. 7 8. 3	34	35	124	223 490
SINGAPORE	309 3429 139 745	8• 3 1• 8	107	106	126	177
SEI LANKA SYRIA	139 745	1.8 22.0	127 129	114 124	93 126	98 182
THAILAND	213	10.4	112	113	103	16 1
TURKEY UNITED ARAE BAIRATES	372	6.9 24.4	104	102	122	88 236
VIET NAM YEHEN ABAB KEPUBLIC	189	13,3	111 80	112 80	93 106	35 365
YENEN DEMOCRATIC	71	5.4	84	82	97	214
ALBANIA			105	105	121	108
ANDCLEA AUSTEIA	11596 4716	15.3 8.1	111	111	133	121
BELGIUM-LUXEABCURG	9207	4.7	103	102	134	136
BULGAEIA CZECHOSIOVAKIA			117 110	111 110	148 146	111 98
DENKARK	6839	3.6	117	117	147	126
PAELOE ISLANDS FINLAND	69042 8118	10.8 9.9	101	101	122	105 119
FEANCE	6389	6.7	109	106	141	127
GEAMAN DENCCRATIC BEP. GERMANY, FED., SEP. OF	8963	£ . 4	108 113	10E 113	144 127	95 120
GIBEALTAR	11480	13.3				
GEBECE	1541	€ . 5	102	102	142	130

COUNT BY	\$ FEB CAPUT AGRIC. POPULATION 1982	GEOWTH RATE 1973-82 3	FAODUC. PER CAEU1 1974-76=100 1981-83	PBOLUC. FFE CAPUT 1974-76=100 1961-83	ENERGY SUFPLIES AS % CF EPQUIEEA. 1982	OF AGEIC. EXPOST: 1974-76=100 1981-83
NUNGARY CELAND RELAND IALY IECHTENSTEIN HALTA IECHTENSTEIN CONACO OCAND OCETUGAL IOMANIA IN MARINO			119	110	12/	
CELAND	20.816	13-4	102	10.2	11 9	100
RELAND	3317	8.7	97	96	161	123
TALY	4540	6.6	112	112	140	116
IECHTENSTEIN	124590	14.6	112		140	110
ALTA	2841	9.6	134	134	118	107
LIELHYENSTEIN IALTA IONALO ISTHEBLANDS IOLANY OLAND OCETUGAL IOMANIA IAN MARINO	121966	11.0				107
BTHEBLANDS	12135	7.9	112	112	132	129
OFFYX	10550	11.2	114	114	119	102
OLAND			91	90	· 125	10.5
ORTUGAL	1053	2.8	82	83	130	144
OBANIA			114	113	126	124
AN MARINO	14531	11.5				
PAIN	2739	8.3	10 1	101	135	116
WEDEN	7527	5.4	108	108	117	87
WIIZERLAND	21238	12.9	112	112	129	10 1
NITED KINGDOG	8359	S= 0	119	119	131	86
KOMANIA SAN MARINO SPAIN WADEN WIIZZELANE NIIZELANE NIITED KINGDOH UGOSLAVIA	983	9.0	108	108	143	106
MERICAN SAMOA USTRALIA HRISTMAS ISLAND (AUST.) OCCS (KREIING) ISLANDS OOK ISLANDS IJI BENCH POLYNESIA UAH GHNSTON ISLANE IFLBATI IDFAY ISLANDS AUGU EN CALEDONIA EN CALEDONIA EN CALEDONIA EN CALEDONIA EN CALEDONIA EN CALEDONIA CATPIC IS. (TRUST TR.) APUA NEN GUINEA ANOA CLOMON ISLANDS OKELAU ONGA UVALU ANDATU AND FUTUNA IS.	700	7 4				208
USPEALTA	9779	8.0	103	100	120	106
HATSTMAS TSIAND (MIST.)	1088	10.9	105	100	120	108
OCOS (KERTING) ISLANDS	906	6.2				
OOK TSLANDS	821	5.8				138
7.17	1311	12.5	119	119	115 108	138
BENCH POLYNES IN	769	17.2	85	85	10.9	137
UAH	9552	7-6		35	100	121
CHNSTON TSLANE	906	6.2				121
IRIBATI	796	6.9				121
IDLAY ISLANDS	544	5.3				121
AURU	829	5.8				76
EN CALEDONIA	438	7.8	102	97 111	101	
ES ZEALAND	10475	8-7	110	111	136	113 107
IUE	816	5.4			150	60
CEFOLK ISLAND	757	5.3				69500
ACIFIC IS. (TRUSP TR.)	801	8. 1				
APUA NEW GUINBA	351	12.7	95	96	79	131
AHOA	776	6-3	103	103	94	98
CLOBON ISLANDS	552	16-3	127	127	78	127
OKELAU	816	5, 3				117
ONGA	831	7.3	91	91	120	119
UVALU	932	9.2		51	120	(1)
ANUATU	736	8. 8	88	88	78	81
AKE ISLAND	453	6.2				
ALLIS AND FURUNA IS.	816	7.3				200
SSE			98	98	131	180

				Cr	op year	ending	, in		
	DATE	1978	1979	1980	1981	1982	1983	1984 <u>a</u> /	/ 1985 <u>b</u> /
		•••••	••••	• • • • • • •	millic	on tons	••••	• • • • • • •	
CEREALS									
Developed countries Canada United States Australia EEC Japan USSR		147.6 20.6 74.2 1.6 13.6 8.8 10.0	178.1 23.2 72.6 5.8 17.6 9.9 30.0	157.6 15.4 78.1 5.0 15.7 10.7 16.0	135.9 14.0 62.2 2.7 15.8 8.8 14.0	178.7 16.3 101.8 5.4 13.7 7.1 14.0	217.3 18.7 141.0 2.6 18.4 5.1 14.0	145.1 13.5 71.2 9.0 12.9 4.5 19.0	169.6 12.6 87.8 8.4 26.1 5.1 14.0
Developing countries Far East Bangladesh China India Pakistan Near East Turkey Africa Latin America Argentina Brazil		95.1 73.8 0.6 40.6 14.7 0.6 8.8 3.5 4.7 7.7 1.7 1.8	99.6 81.8 0.2 47.7 14.9 0.7 6.7 1.4 3.8 7.4 2.3 0.7	101.6 82.3 0.8 54.6 10.9 1.0 8.8 0.8 2.7 7.7 1.5 2.0	101.2 76.5 1.3 47.9 7.1 1.5 9.8 0.5 3.5 11.4 1.0 2.8	105.7 77.8 0.7 45.6 7.7 2.4 12.3 1.1 4.4 11.2 1.6 2.0	105.1 79.0 0.5 50.6 7.6 2.7 11.4 0.9 4.4 10.3 2.3 2.4	120.8 95.8 0.8 57.0 12.8 2.5 13.4 0.3 3.1 8.5 1.3 1.7	128.5102.00.860.415.61.313.90.33.29.41.52.0
World total of which: Wheat Rice (milled basis) Coarse grains		242.8 98.3 40.8 103.8	277.7 118.0 45.0 114.7	259.2 104.7 44.3 110.2	237.1 97.7 43.1 96.3	284.5 106.0 44.9 133.6		265.9 130.8 45.3 89.9	298.0 143.3 50.5 104.2
SUGAR (raw value)									
World total	l Sept.	30.5	31.5	25.4	24.8	33.0	38.7	39.5	39.3
COFFEE									
Exporting countries	<u>c</u> /	1.92	2.08	1.99	1.86	5 2.60	3.0	5 3.35	5 3.40
DRIED SKIM MILK		•••••	• • • • • • •	•••••	thousar	nd tons	• • • • • •	••••	
United States EEC Total of above	31 Dec. 31 Dec.	265 840 1105	220 316 536	266 303 569	404 387 791	582 670 1252		590 800 1391	468 550 1018

ANNEX TABLE 14. CARRY-OVER STOCKS OF SELECTED AGRICULTURAL PRODUCTS

a/ Estimate. b/ Forecast.

 $\vec{\underline{c}}/$ Gross opening stocks at the commencing of the coffee years.

Source: FAO, Commodities and Trade Division.

		- A11	items		Food					
Region and country	1970 to 1975	1975 to 1980	1981 to 1982	1982 to 1983	1970 to 1975	1975 to 1980	1981 to 1982	1982 to 1983		
	••••	••••	••••		. %/yr	• • • • • • •	• • • • • • • •	•••••		
DEVELOPED COUNTRIES										
WESTERN EUROPE										
Austria Belgium Denmark Finland France Germany, Fed. Rep. of Greece Iceland Italy Netherlands Norway Portugal Spain Sweden Switzerland United Kingdom Yugoslavia	7.4 8.3 9.5 2.0 8.8 6.2 13.1 24.8 13.0 11.4 8.6 8.3 15.3 12.0 7.8 7.9 12.3 19.3	$\begin{array}{c} 3.8\\ 6.4\\ 10.4\\ 10.6\\ 10.4\\ 4.0\\ 16.3\\ 42.0\\ 84.9\\ 3.0\\ 6.1\\ 8.4\\\\ 18.6\\ 10.5\\ 2.4\\ 14.4\\ 18.2 \end{array}$	5.4 8.7 8.6 9.3 11.8 5.2 21.0 51.1 17.1 16.4 6.0 11.4 22.4 14.4 8.6 5.6 8.6 32.4	3.3 7.7 6.9 8.5 9.6 3.3 20.5 8.4 10.5 14.6 2.7 8.4 25.5 12.1 8.9 2.9 4.6 41.2	$\begin{array}{c} 6.7\\ 7.5\\ 10.7\\ 12.4\\ 9.6\\ 5.6\\ 14.7\\ 28.3\\ 14.3\\ 11.6\\ 6.9\\ 8.3\\ 16.3\\ 12.1\\ 7.9\\ 7.3\\ 15.1\\ 19.1 \end{array}$	4.4 4.6 10.8 10.0 3.3 17.6 41.0 13.7 15.6 7.4 21.0 16.0 10.7 2.9 13.9 19.4	$\begin{array}{c} 4.5\\ 9.6\\ 10.7\\ 12.1\\ 12.6\\ 6.2\\ 21.1\\ 45.6\\ 13.2\\ 16.4\\ 5.7\\ 13.7\\ 24.1\\ 15.0\\ 12.4\\ 6.8\\ 7.8\\ 39.0 \end{array}$	2.5 8.4 4.8 7.2 9.3 2.7 18.1 93.6 8.0 12.3 8.3 25.1 10.7 11.6 2.1 3.2 45.0		
NORTH AMERICA										
Canada United States	7.4 6.7	8.4 8.9	10.8 6.1	5.8 3.2	11.1 9.5	9.9 7.6	7.2 4.1	3.7 2.3		
OCEANIA										
Australia New Zealand OTHER DEVELOPED	10.2 9.8	10.6 14.8	11.1 16.1	10.1 7.4	9.8 9.4	12.0 16.8	7.7 12.3	10.1 4.1		
COUNTRIES										
Israel Japan South Africa	23.9 12.0 9.3	60.0 6.5 12.0	120.3 2.7 14.7	145.7 1.8 12.3	25.1 13.0 11.7	65.0 5.5 13.0	116.0 1.8 11.2	157.0 2.1 11.7		

ANNEX TABLE 15. ANNUAL CHANGES IN CONSUMER PRICES: ALL ITEMS AND FOOD

(continued)

		All	items			Fo	od	
	1970	1975	1981	1982	1970	1975	1981	1982
Region and country	to	to	to	to	to	to	to	to
5 -	1975	1980	1982	1983	1975	1980	1982	1983
	• • • • • • • • •	••••	• • • • • • • •	•••••	/yr	• • • • • •	•••••	
DEVELOPING COUNTRIES	3							
LATIN AMERICA								
Argentina	59.5	100.0	165.5	343.7	58.0	•••	178.2	338.5
Bahamas	9.5	6.9	6.1	4.1	11.8	7.7	6.8	1.4
Barbados	18.6	10.0	10.3	5.2	21.0	9.1	7,3	2.6
Bolivia	23.7	17.0	123.6	275.7	27.2	16.4	123.8	303.8
Brazil	23.5a/	46.0	89.6	135.5	25.9a/	49.0	84.4	168.8
Chile	225.4	70.0	9.9	27.3	245.5	70.0	3.6	25.8
Colombia	19.5	23.0	24.0	19.5	24.0	25.0	24.4	19.8
Costa Rica	13.7	8.1	90.1	32.7	3.7	9.6	113.6	32.2
Dominican Republic	11.1	8.3	7.6	4.1b/	13.3	3.4	7.9	3.8b/
Ecuador	13.7	11.7	16.3	48.4	18.4	11.2	17.1	78.0
El Salvador	8.4		11.7	13.2	8.8	• • •	10.7	13.4
Guatemala	2.9	10.7	0.2	• • •	3.3	9.4	-2.8	
Guyana	8.2	12.8	20.9	15.0	12.2	14.1	29.3	20.9
Haiti	13.7	8.0	7.2	10.2	15.5	9.3	0.9	11.0
Honduras	6.5	9.2	9.4	8.9	8.0	9.6	6.7	5.3
Jamaica	14.9	22.0	6.7	10.3b/	17.2	24.0	6.1	8.0 <u>c</u> /
Mexico	12.4	21.0	58.9	102.0	13.9	19.5	53.6	91.1
Panama	7.8	6.9	4.2	2.1	9.9	6.6	5.9	2.3
Paraguay	12.6	14.7	5.1	• • •	15.4	14.9	0.1	• • •
Peru	12.1	37.0	64.5	111.0	13.9	50.0	52.9	25.7
Puerto Rico	8.8	5.6	3.7	0.6	12.6	5.5	2.8	1.0
Suriname	8.2	11.5	7.3	4.4	9.5	12.2	3.2	4.5
Trinidad & Tobago	13.7	12.9	11.4	16.7	17.1	11.1	13.6	23.3
Uruguay	73.4	55.0	19.0	14.9	76.0	55.0	11.7	54.1
Venezuela	5.5	11.4	9.7	6.3	8.5	15.7	9.7	7.8
FAR EAST								
Bangladesh	39.0 <u>d</u> /	7.6	9.3	8.0	42.0 <u>d</u> /	5.0	9.8	6.9
Burma	17.8	3.8	5.2	5.5	21.0	2.6	4.7	11.2
India	13.2	1.3	7.7	6.9	14.2	0.8	4.6	12.0
Indonesia	21.3	•••	9.5	11.8	25.2	• • •	5.8	9.1
Korea, Rep. of	14.3	17.2	7.3	3.3	16.8	17.2	2.5	1.3
Malaysia	6.7	4.6	• • •	3.7	10.4	3.7	•••	0.9
Nepal	10.3	6.7	11.9	6.2	9.8	6.1	12.4	4.5
Pakistan	15.2	9.0	5.4	7.4	16.6	8.0	6.0	6.1
Philippines	18.7	12.0	• • •	10.0	20.1	11.0	•••	8.6
Sri Lanka	8.0	9.9	10.9	13.9	9.1	10.7	12.7	12.4
Thailand	9.8	10.4	5.4	3.4	11.9	10.6	3.5	5.2

ANNEX TABLE 15. ANNUAL CHANGES IN CONSUMER PRICES: ALL ITEMS AND FOOD (continued)

(continued)

		All	items			Fo	bd	
Region and country	1970 to 1975	1975 to 1980	1981 to 1982	1982 to 1983	1970 to 1975	1975 to 1980	1981 to 1982	1982 to 1983
		•••••		···· · · · · · · · · · · · · · · · · ·	/yr	••••		• • • • • • • • • •
AFRICA								
Algeria Botswana Camercon Ethiopia Gabon Gambia Ghana Ivory Coast Kenya Lesotho Liberia Madagascar Malawi Mauritius Morocco Niger Nigeria Senegal Sierra Leone Swaziland Tanzania Togo Tunisia Zaire Zambia Zimbabwe NEAR EAST	5.1 10.2 3.7 11.4 10.5 17.4 8.2 13.9d/ 14.7d/ 12.1 9.7 8.9 13.1 5.4 7.9 11.5 13.0 8.4 9.3 13.1 8.9 4.8 18.6 7.1 	12.4 12.4 10.7 15.7 12.9 10.2 70.0 16.7 9.8 15.1 8.8 9.2 9.2 16.9 9.7 14.6 14.4 6.8 13.8 13.2 14.5 8.1 15.2 9.8	-1.6 11.5 13.3 5.6 16.7 10.8 22.3 17.4 25.9 10.0 6.0 31.6 9.6 10.6 10.6 17.4 27.0 11.1 28.9 10.3 13.6 38.5c/ 12.5 10.7	4.5 22.4 16.4 10.0 10.4 10.8 172.5 5.9 15.2 17.4 2.7 41.6e/ 15.3 5.6 7.0 7.7 11.6 68.5 11.7 27.0 9.7 9.0 19.6 23.2	7.2 11.5 2.7 2.7 12.8 20.3 9.3 14.7 $d/$ 16.4 $d/$ 13.7 12.0 10.7 14.7 7.2 10.6 13.1 16.5 11.0 9.8 17.7 9.7 5.2 21.2 7.4 	15.7 13.8 11.8 19.2 9.7 45.0 19.3 10.2 18.6 8.1 9.0 9.5 16.3 9.3 14.8 20.0 6.4 12.9 14.0 13.4 9.9 13.7 8.4	-15.0 13.5 19.0 4.2 8.9 36.0 4.2 18.3 9.0 4.2 31.2 3.8 13.1 8.2 20.5 30.2 9.2 32.7 13.5 13.3 39.7c/ 14.0 10.5	2.7 12.0 12.4 4.3 13.7 44.5 4.3 10.7 19.2 2.7 27.4 15.1 7.3 23.2 11.3 65.6 12.0 27.2 11.3 8.1 20.7 28.6
Cyprus Egypt Iran Iraq Jordan Kuwait Saudi Arabia Sudan Syria Turkey	8.0 5.8 9.6 11.3 6.0 10.1 11.6 16.7 6.2	12.9 16.1 11.6 7.1 11.3 16.8 10.9 50.0	6.4 14.8 18.7 22.1 8.1 1.1 14.5 27.1	5.1 16.4e/ 19.8 4.4 0.8 6.0 28.1	10.2 8.6 10.0 18.1 9.2 15.4 12.0 18.2 7.7	14.4 18.9 9.8 6.1 9.5 14.2 47.0	8.1 14.5 16.9 27.1 3.5 7.0 1.3 14.6 29.0	4.3 18.9e/ 18.4 2.6 0.2 3.5 29.6

a/ 1972-75.

b/ January-October. c/ January-August. d/ 1973-75. e/ January-November.

Source: ILO, Bulletin of Labour Statistics, 1984-5.

.

ANNEX TABLE 15. ANNUAL CHANGES IN CONSUMER PRICES: ALL ITEMS AND FOOD (concluded)

COUNTEY	1970-72	1973-75	1977-79 JIEBBENIS	1980-82	E EQUIEEMENTS KILOCAL/CAPUT /DAY	
APGHANISTAN ANGLADESH BEUREI UURMA HINA YPEJUS HONG KONG NDIA INDONESIA ISAN ISAN ISAN ISAN ISAN ISAN ISAN I						
FGHANISTAN	69	89	85	84	2440	
ANGLADESH	87	83	82	83	2210	
BEUNEI	105	109	114	114	2240	
UANA	95	96	100	109	2160	
HINA	90	94	39	106	2350	
YPEUS	127	125	132	138	2480	
IONG KONG	121	115	118	110	2290	
NDI A	51	85	94	100	2210	
NDONESIA	C C C C C C C C C C C C C C C C C C C	94	101	120	2410	
BAN TAO	54	10.1	100	116	2410	
	119	120	119	116	2570	
ADAN	119	120	121	122	2340	
02010	95	88	g c	105	2460	
ANDICHES, DEAG CRATTC	101	88	79	89	2220	
OPPA DER	108	116	127	131	2340	
OFRA BED	105	109	120	125	2350	
Ans	93	85	84	85	2 2 2 0	
EBANON	102	105	114	120	2480	
ACAU	90	92	99	106	2290	
ALAYSIA	109	111	115	118	2240	
ALDIVES	78	81	88	91	2210	
ONGOLIA	100	104	113	113	2430	
BPAL	90	91	90	91	2 20 0	
AKISTAN	88	88	92	97	2310	
HILIFPINES	90	92	102	106	2260	
AUDI AFABIA KINGDOM OF	79	82	108	123	2420	
INGAPORE	118	122	126	128	2300	
RI LANKA	101	93	102	98	2220	
YHIA	9 9	10 1	110	125	2480	
HAILAND	97	99	103	104	2220	
URKEY	114	116	120	121	2520	
IET NAM	\$9	95	94	93	2160	
EMEN ASAS REPUBLIC	83	91	9.8	104	2420	
BMEN DEMOCHATIC	85	80	82	94	2410	
ALBANIA	106	110	122	121	2410	
OSTEIA	151	130	130	133	2630	
ELGIUM-LU XEAD OURG	136	139	141	140	2640	
ULGARIA	140	139	142	147	2500	
ZBCHOSLOVAKIA	140	140	140	142	2470	
BNMARK	127	125	128	139	2690	
INLAND	116	117	113	117	2710	
BANCE	135	136	138	141	2520	
BRMAN DENOCHAIIC REP.	129	133	138	142	2620	
ERMANY, FEC. REP. OF	121	120	124	126	2670	
BBECE	129	140	140	143	2500	
UNGAEY	127	130	132	133	2630	
CBLAND	113	114	113	117	2660	
BELAND	144	146	152	158	2510	
IALY	138	140	140	141	2520	
ALTA	125	121	121	118	2480	
ETHE HLANDS	129	130	132	134	2690	
DRWAY	117	115	121	124	2680	
DLYND	128	131	133	128	2620	
DRTUGAL	126	124	125	127	2450	
ALAD	117	122	128	126	2650	
ALN	119	131	132	134	2460	
IEDEN	113	115	116	119	2090	
ALLZISHLAND	129	125	127	129	2030	
LTED KINGDOM	133	130	129	129	2520	
LEANIA ISTEIA ISTEIA ISTEIA ISGIUH-LUXEdbOUEG ISGAEIA ECHOSIOVAKIA SMMAEK INLAND IMLAND INLACE INGAEY ISEC2 INGAEY ISLAND ISLAN	131	136	139	143	2540	
USTRALIA	122	118	118	117	2660 2660 2660 2660 2640 2640 2660 2660	
IJI	9.3	99	110	115	2660	
BENCH POLYNESIA	107	10 2	106	108	2660	
BH CALEDONIA	113	105	105	105	2660	
EN ZEALAND	134	136	135	136	2640	
		77	17	79	2660	
APUA NEW GUINEA	78	,,				
APUA NEL GUINEA Amoa	78	80	94	95	2660	
APUA NEW GUINEA AMCA OLOMON ISIANDS	78 79 78	80 75	94 79	95 77	2660 2660	
USTRALIA IJI ENCH POLYNESIA EN CALEDONIA EN ZEALAND APUA NEN GUINEA AGOA OLOHON ISIANDS OSGA ANUATU	78 79 78 99 90	118 99 102 135 136 77 80 75 112 89	118 110 106 135 77 94 79 120 79	95 77 120	2660 2660 2660 2660 2660	

__~~~

USSE

130

131

131

132

2560

ANNEX TABLE 10. PER CAPUT CIETABY ENERGY SUPELIES IN ARLATION TO NUTRITIONAL REQUIREMENTS IN SELECTEL DEVELOPED AND DEVELOPING COUNTRIES

ANN2X TABLE 15. PJH CAPUT DIFFARY ENERGY SUPPLIES IN BELATION TO NUTRITIONAL REQUIFEMENTS IN SELECTED DEVELOFED AND DEVELOFING COUNTFIES

COUNTEY	1970-72	1973-75	1977-79	1980-82	R EQUI FEMENT S KILOC AL/C AP Ur /D AY	
		% OF REQ	UIFEMEN1S		/DAY	
IGERIA	78	e7	101	110	2400	
IGGLA	88	87	<u>9</u>	99	2350	
ININ NORTH AND A STREET	93	89	95	94	2300	
120 H 4 H 8 1 90	94	89	93	106	2320	
JEUNDI	95	97	99	102	2370	
MELCON	94	99	101	93	2320	
IPE VERDE	88	93	110	116	2350	
NILAL AFFICAN ASPUBLIC	98	101	95	95	2260	
140	95	13	11	75	2380	
INGO	100	102	106	111	2340	
YE T	102	108	117	130	2510	
HIOPIA	66	80	85	95	2330	
BON	\$3	96	117	119	2340	
	57	91	93	93	2360	
ITNEA	87	89	84	81	2300	
IN & A-EISSAU	ŝi	92	96	57	2310	
ORY CCASI	107	102	108	115	2310	
INYA	98	95	90	88	2320	
ISO4 HO	66	89	104	103	2260	
.DED.2.8	10.5	93	100	98	2310	
DAGASCAN	105	109	108	100	2300	
LANI	100	98	96	96	2320	
LI	8.3	79	81	74	2350	
ULITANIA	81	.17	82	95	2310	
JEITIUS Socco	105	109	119	124	2270	
ZANEIQUE	103	106	110	105	2420	
AIBIA	101	101	5 I 9 A	9U 8U	2260	
GLE	87	34	9 ě	105	2350	
GEEIA	95	93	100	104	2360	
UNION	111	117	121	119	2270	
ANDA O SOME AND JICHATOR	84	81	87	91	2320	
NEGAL	92	93	97	100	2350	
ELLA LALNE	29	85	85	99	2380	
MALIA	94	89	84	90	2310	
UTH AFRICA	114	118	116	117	2450	
DAN	<u>91</u>	89	95	95	2350	
AGILAND Ny Shita	97	104	106	109	2320	
60	63	92	29	105	2320	
NISIA	100	110	108	115	2360	
ANDA	97	90	84	76	2330	
Iā£	101	103	97	9 E	2220	
GGEATA GGLA SNIN SNIN DTSWANA DESKINA FASO JAUNDI MEDECON APE VERDE NYTALA AFFICAN ASPUBLIC IAD MEDECON APE VERDE NYTA HICOPIA BON MELTA INCA-EISSAU YORY CCAST HYA SCOINO JUBALA SCOINO JUBALA SCOINO JUBALA JIN A-EISSAU YORY CCAST HYA JIN A-EISSAU JIN A-EIS	95 89	97 92	97 81	90 91	2310 2390	
TIGUA AND BEEBUDA	90	86	81	82	2420	
HAHAS	103	95	83	89	2420	
ADADOS	123	121	122	127	2420	
LIZE	118	119	119			
NADA	128	129	100	119	2200	
NADA STA RICA	128	128 113	128 118	119 129 118	2260 2660 2240	
NADA STA RICA BA	128 109 114	128 113 115	12£ 118 118	119 129 118 126	2260 2660 2240 2310	
NADA STA RICA 34 LINICA	128 109 114 92	128 113 115 90	12£ 116 118 88	119 129 118 126 89	2280 2680 2240 2310 2420	
NADA STA RICA SA HINICA LINICAN FEPUBLIC SALVANCE	128 109 114 92 88	128 113 115 90 93	128 118 119 88 95	119 129 118 126 89 95	2260 2660 2240 2310 2420 2260	
HADA TYA RICA 34 INICA INICAN FLPUBLIC SALIVADOE NATA	128 109 114 92 88 81 97	128 113 115 90 93 87	12£ 116 116 88 95 92	119 129 118 126 89 95 92	2260 2620 2240 2310 2420 2260 2250	
HADA FACA BA LINICA LINICA LINICAN FEPUBLIC SALVADOE INALA JELOUPE	128 105 114 52 88 81 97 57	128 113 90 93 87 87	128 116 118 88 95 92 87 101	119 129 118 126 89 95 92 89	2 420 2 420 2 420 2 2 6 2 2 6 2 2 4 0 2 3 1 0 2 4 2 0 2 2 6 0 2 2 5 0 2 4 2 0 2 4 2 0 2 4 2 0	
NADA STA RICA 3A HINICA MINICAN FEPUBLIC SALVADOE SNALA LOELOUPE HICHALA	128 105 114 52 88 61 97 57 54	86 95 121 119 128 113 115 90 93 87 87 100 95	128 118 118 88 95 92 87 101 96	119 129 118 126 89 55 92 89 104 96	2420	
TI	85	128 113 115 90 87 87 100 95 85	128 118 118 88 95 92 67 101 96 84	119 129 118 126 69 55 92 89 104 96 84		
TI IDUEAS	85 54	93	96	104 96	2420 2190	
TI DUBAS MICA	85 94 115	115	114	113	2420 2190 2260 2260 2240	
TI DURAS MICA TINIQUE	85 94 115 98	93 115 102	114 108	113 110	2420 2190 2260 2260 2240 2420	
TI ALCA AICA TINIQUE ICO	85 94 115 98 113	93 115 102 116	114 108 120	113 110 126	2420 2190 2260 2260 2240 2440 2420 2330	
TI DUBAS ISICA TINIQUE ICCO UZELANDS ANTILEES ARAGUA	85 94 115 98	93 115 102	114 108	113 110 126 113	2420 2190 2260 2260 2260 2240 2420 2330 2420	
TI KDUBAS ISICA TINTQUE TICO WLEBLANDS ANTILLES IARAGUA IANA	85 94 115 98 113 102 112 101	93 115 102 116 103 110 104	114 108 120 112 195 99	113 110 126 113 100 103	2420 2190 2260 2260 2420 2420 2330 2420 2420 2420 2420 242	
TI DUBAS HAICA TINIQUE NCO W2SLANDS ANTILLES ARAGUA HAMA N° LUCIA	85 54 115 56 113 102 112 101 68	93 115 102 116 103 110 104 88	114 108 120 112 195 99 93	113 110 126 113 100 103 101	2420 2190 2260 2240 2420 2350 2420 2350 2420 2310 2420 2310	
TI DUBAS LLCA TINIQUE LLCO ULSELANDS ANTILLES LARGUA LARGUA NT LUCIA VINCENI GEU NADINES	85 54 115 58 113 102 112 101 88 94	93 115 102 116 103 110 104 88 91	114 108 120 112 105 99 93 91	113 110 126 113 100 103 101 57	2420 2190 2260 2260 2240 2420 2350 2420 2420 2310 2420 2420 2420	
TTI NDUBAS MAICA ATINIQUE MICO VULELANDS ANTILLES CARAGUA NAMA INT LUCIA VINCENI GAL NADINES NILAD ANI ICSAGO	85 54 115 56 113 102 112 101 68	93 115 102 116 103 110 104 88	114 108 120 112 195 99 93	113 110 126 113 100 103 101	2420 2190 2260 2240 2420 2350 2420 2350 2420 2310 2420 2310	
TIGUA AND BEEBUJA HAMAS BDADOS LIZE NADA STA RICA BA HINICA MINIC	65 54 115 58 113 102 112 101 68 94 59 133 125	93 115 102 116 103 110 104 80 91 101 132	114 100 120 112 195 93 91 109 136	113 110 126 113 100 103 101 57 121	2420 2190 2260 2260 240 2420 2330 2420 2250 2310 2420 2420 2420 2420	
ITI NDUBAS MAICA ATINIQUE ATINIQUE MICO FUERLANDS ANTILLES CAEAGUA NAMA INT LUCIA VINCENT GRUNADINES INILAD ANI PCSAGO ITEL STATES GENTINI GENTINI	85 94 115 98 113 102 112 101 88 94 95 133 125 83	93 115 102 116 103 110 104 88 91 101 132 125 83	114 108 120 112 195 93 93 91 109 136 126 86	113 110 126 113 100 103 101 57 121 138 127 89	2420 2190 2260 2260 240 2420 2350 2420 2250 2310 2420 2420 2420 2420 2420 2420 2640	
TTI NOUBAS MAICA ATINIQUE MICO VULELANDS ANTILLES CARAGUA NAMA INT LUCIA VINCENT GAL NADINES NILAD ANL ICSAGO TTED STATES JENTINA LIVIA ALL	85 94 115 98 102 112 101 88 94 99 133 125 83 125 83	93 115 102 116 103 110 104 80 91 101 132 125 83 104	114 108 120 112 95 93 91 109 136 126 86 107	113 110 126 113 100 103 101 57 121 138 127 89 105	2420 2190 2260 2260 2420 2420 2420 2420 2420 242	
TTI NDUBAS MAICA ATINIQUE XICO VULALANDS ANTILLES CARAGUA NAMA INT LUCIA VINCENT GRUNADINES INILAD AMI ICSAGO ITEL STATES SENTINA LIVIA ALIL	85 54 115 56 113 102 112 112 101 68 94 95 133 125 63 104 112	93 115 102 116 103 110 104 88 91 101 132 125 83 104 108	114 108 120 112 195 99 93 91 109 136 126 86 107	113 110 126 113 100 103 101 57 121 136 127 89 105 111	2420 2190 2260 2260 2420 2420 2420 2420 2420 242	
TTI NDUBAS MAICA ATINIQUE ATINIQUE ATINIQUE ATICO FULELANDS ANTILLES CALAGUA NAMA INT LUCIA VINCENT GEUNADINES NILAD ANI ICSAGO ITED STATES SENTINE LAIL LUCHALA	85 94 115 96 113 102 112 101 88 94 95 133 125 63 104 112 94	93 115 102 116 103 110 104 88 91 101 132 125 83 104 108 96	114 108 120 112 195 93 91 109 136 126 86 107 107	113 110 126 113 100 103 101 57 121 138 127 89 108 111 105	2420 2190 2260 2260 2420 2420 2420 2420 2420 2420 2420 2420 2420 2420 2420 2420 2420 2420 259 259 2390 2390	
TTI NOUBAS MAICA ATINIQUE MICO VULELANDS ANTILLES CARAGUA NAMA INT LUCIA VINCENT GAL NADINES NILAD ANL ICSAGO TTED STATES JENTINA LIVIA ALL	65 54 115 58 113 102 112 101 68 94 59 133 125 63 104 112 94 67	93 115 102 116 103 110 04 88 91 101 132 125 83 104 108 98 98 99	114 100 120 112 195 99 93 91 109 136 126 86 107 107 107 104 91	113 110 126 113 100 103 101 57 121 138 127 89 108 111 105 91	2420 2190 2260 2260 2420 2330 2420 2420 2420 2420 2420 242	
TTI NDUEAS MAICA ATINIQUE MICO VUEBLANDS ANTILLES JARAGUA MAMA NT LUCIA VINCENT GRUMADINES NUIDAD ANL ACAAGO TTED STATES SENTINE LIVIA LULL LLL LUL LUL LUL LANA MAGUAN	85 94 115 96 113 102 112 101 88 94 95 133 125 63 104 112 94	93 115 102 116 103 110 104 88 91 101 132 125 83 104 108 96	114 108 120 112 195 93 91 109 136 126 86 107 107	113 110 126 113 100 103 101 57 121 138 127 89 108 111 105	2420 2190 2260 2260 2420 2350 2420 2350 2420	
TTI NDUBAS HALCA ATINIQUE ATINIQUE ATINIQUE ATINIQUE ATINIQUE CARAGUA AMA ANT LUCIA VINCENT GEN MADINES NILDA AMI ACSAGO TTEL STATES SENTINA LIVIA LIVIA LILI LELI LOMDIA NAJOR KANA HAGUAY SU	85 54 115 58 113 102 112 112 101 88 94 59 133 104 125 83 104 112 94 87 101 119 96	93 115 102 116 103 110 88 91 101 132 125 83 104 108 96 89 102 118 95	114 108 120 112 195 99 93 91 109 136 126 86 107 107 107 107 107 104 91 105 121 92	113 110 126 113 100 103 101 57 121 136 127 89 106 106 111 105 91 103 123 51	2420 2190 2260 2260 2420 2330 2420 2420 2420 2420 2420 242	
TTI NDUEAS MAICA ATINIQUE MICO VUEBLANDS ANTILLES JARAGUA MAMA NT LUCIA VINCENT GRUMADINES NUIDAD ANL ACAAGO TTED STATES SENTINE LIVIA LULL LLL LUL LUL LUL LANA MAGUAN	85 94 115 98 102 112 101 80 94 99 133 125 83 104 112 94 87 81 104 112 94 87 101	93 115 102 116 103 110 104 80 91 101 132 125 83 104 108 98 89 102 118	114 100 120 112 195 99 93 91 109 136 126 86 86 107 107 107 104 91 105 121	113 110 126 113 100 103 101 57 121 138 127 89 108 111 108 111 105 91 103 123	2420 2190 2260 2260 2240 2420 2330 2420 2410 2420 2410 2420 2350	

	1976	1977	1978	1979	19 80	1981	1982 <u>a</u> /	1983 <u>a</u> /
	••••	• • • • • •	• • • • • •	• • • • • •	• 0/0 • •	•••••	• • • • • • • •	• • • • • • •
CONCESSIONAL AND NON-CONCESSIONAL COMMITMENTS								
Multilateral agencies $\underline{b}/$	32	36	39	36	38	36	35	34
World Bank <u>c</u> / Regional Development Banks <u>c</u> / OPEC Multilateral <u>c</u> /	31 36 25	39 35 13	41 31 30	37 33 7	33 45 16	33 44 16	31 43 16	36 27 20
Bilateral sources	7	10	9	• •	• •	••	••	• •
DAC/EEC OPEC Bilateral	8 5	11 6	11 3	12 ••	11 ••	11 ••	11 ••	11 ••
All sources (multilateral + bilateral)	14	17	17	c •	••	••	••	••
CONCESSIONAL COMMITMENTS ONLY (ODA)								
Multilateral agencies <u>b</u> /	46	44	49	49	49	53	46	47
World Bank <u>c/</u> Regional Development Banks <u>c/</u> OPEC Multilateral <u>c</u> /	44 54 29	54 50 11	52 48 29	52 53 7	45 62 15	58 65 14	43 58 17	51 39 23
Bilateral sources	9	14	13	16	13	14	16	13
DAC/EEC OPEC Bilateral	11 5	16 7	17 3	18 7	16 1	18 4	17 12	14 5
All sources (multilateral + bilateral)	15	18	19	21	19	21	21	19

ANNEX TABLE 17. ANNUAL AGRICULTURAL SHARES OF TOTAL OFFICIAL COMMITMENTS TO ALL SECTORS (BROAD DEFINITION), BY MULTILATERAL AND BILATERAL SOURCES, 1976-83

Preliminary.

a/b/ b/c/ Including also UNDP, CGIAR, FAO/TF, FAO/TCP (from 1977) and IFAD (from 1978). Excluding commitments to CGIAR.

	1976	1977	1978	1979	1980	1981	1982 <u>a</u> /	1983 <u>a</u> /
	• • • • •	•••••	• • • • • •	• • • • • •	• • • • •	• • • • • •	• • • • • • • •	•••••
CONCESSIONAL AND NON-CONCESSIONAL COMMITMENTS								
Multilateral Agencies	57	57	58	52	59	58	57	64
World Bank <u>b</u> / Regional Development Banks <u>b</u> / OPEC Multilateral <u>b</u> / Others <u>c</u> /	37 14 2 4	38 14 2 3	43 10 2 3	34 12 - 6	35 15 1 8	34 17 1 6	34 14 2 7	45 11 2 6
Bilateral Sources	43	43	42	48	41	42	43	36
DAC/EEC OPEC Bilateral	36 7	38 5	40 2	44 4	40 1	40 2	37 6	34 2
All sources (multilateral + bilateral)	100	100	100	100	100	100	100	100
CONCESSIONAL COMMITMENTS ONLY (ODA)								
Multilateral agencies	47	36	41	37	45	43	40	44
World Bank <u>b</u> / Regional Development Banks <u>c</u> / OPEC Multilateral <u>b</u> / Others <u>c</u> /	23 15 3 6	19 11 2 4	26 8 2 5	18 11 - 8	21 12 1 11	21 12 1 9	20 7 2 11	20 12 2 10
Bilateral sources	53	64	59	63	55	57	60	56
DAC/EEC OPEC Bilateral	47 6	56 8	56 3	59 4	53 2	54 3	51 9	52 4
All sources (multilateral + bilateral)	100	100	100	100	100	100	100	100

ANNEX TABLE 18. PERCENTAGE DISTRIBUTION OF OFFICIAL COMMITMENTS TO AGRICULTURE (BROAD DEFINITION) BY MULTILATERAL AND BILATERAL SOURCES, 1976-83

a/ b/ c/ Preliminary.

Excluding commitments to CGIAR. Including UNDP, CGIAR, FAO/TF, FAO/TCP (from 1977) and IFAD (from 1978).

	1976	1977	1978	1979	1980	1981	1982 <u>a</u> /	1983 <u>a</u> /
	• • • • •	••••	• • • • • •	• • • • • •	• % ••	•••••	• • • • • • • •	• • • • • • •
Land and water development <u>b</u> /	19	25	26	18	25	17	22	20
Agricultural services	7	12	12	10	13	7	12	15
Supply of inputs	7	4	5	3	6	5	4	6
Crop production	10	5	8	7	7	6	8	7
Livestock	5	3	4	3	2	2	1	2
Fisheries <u>c</u> /	2	3	3	3	3	3	2	2
Research, extension, training <u>d</u> /	3	4	4	3	5	5	5	6-
Agriculture, unallocated	13	11	12	17	9	14	11	10
TOTAL NARROW DEFINITION	66	67	74	64	70	5 9	65	65
Rural development/infrastructure	16	16	15	16	19	22	23	21
Manufacturing of inputs <u>e</u> /	7	5	4	11	2	10	4	1
Agro-industries	10	9	5	6	7	5	4	7
Forestry	1	2	2	3	2	2	3	2
Regional development	-	1	_	-	_	2	1	3
TOTAL BROAD DEFINITION	100	100	100	100	100	100	100	100

ANNEX TABLE 19. PERCENTAGE DISTRIBUTION OF OFFICIAL COMMITMENTS TO AGRICULTURE (EXCLUDING TECHNICAL ASSISTANCE GRANTS), BY PURPOSE, 1976-83

Preliminary.

Including river development. Including inputs such as fishing trawlers, fishing gera. Including commitments to CGIAR.

Mostly fertilizers.

		Bilatera	1 ODA to	all secto	rs			tion c gricul	of ODA Lture	to
	1979	1980	1980	1982	1983	1979	1980	1981	1982	1983
	••••	••••	million \$		• • • • • • •	••••		. 8 .	•••••	• • • • •
Australia	453	522	590	545	549	14	8	14	11	5
Austria	70	140	265	291	183	20	47	10	1	2
Belgium	462	512	432	320	346	4	4	4	3	3
Canada	676	512	1 011	807	1 139	21	31	39	15	22
Denmark	288	260	225	282	260	32	37	44	50	17
Finland	85	112	111	123	96	8	15	19	20	24
France	3 746	4 766	4 431	4 358	4 380	7	6	8	8	11
Germany	3 972	4 617	3 467	2 713	2 271	21	16	13	18	11
Italy	63	138	481	641	677	15	24	6	16	26
Japan	2 528	3 369	3 437	3 622	3 483	25	16	24	18	10
Netherlands	1 327	1 592	1 066	934	901	35	24	27	22	19
New Zealand	53	54	52	47	40	18	24	33	30	10
Norway	234	247	262	309	283	25	28	26′	25	17
Sweden	782	611	518	579	526	31	34	39	32	12
Switzerland	174	139	253	207	239	13	33	46	20	26
UK	1 964	1 459	1 000	1 112	927	11	7	8	8	10
USA	5 186	5 378	5 135	6 112	6 989	15	20	16	14	17
Total DAC countries	22 062	24 426	22 736	23 002	23 289	18	16	17	15	14

ANNEX TABLE 20. DAC COUNTRIES: BILATERAL ODA COMMITMENIS FROM INDIVIDUAL COUNTRIES AND PROPORTION TO AGRICULTURE (BROAD DEFINITION)

Note: DAC countries comprise members of the Development Assistance Committee of the OECD.

4

Source: OECD.

	1976	1977	1978	1979	1980	1981	1982 <u>a</u> /	1983 <u>a</u> /
			••••	••••	• % ••	• • • • • •	• • • • • • • •	• • • • • • •
ONCESSIONAL AND NON-CONCESSIONAL COMMITMENTS								
Far East and Pacific	36	39	49	46	46	42	49	42
Africa	23	29	22	24	22	28	28	26
Latin America	28	24	21	22	24	23	18	24
Near East	13	7	8	8	8	7	5	8
Total 4 developing regions: of which:	100	100	100	100	100	100	100	100
Least developed countries b/	19	18	14	18	19	19	19	21
Low-income food-deficit countries	52	57	60	59	65	59	62	56
IDA-assisted countries <u>d</u> /	56	63	64	65	70	64	66	64
CONCESSIONAL COMMITMENTS								
Far East and Pacific	36	43	53	55	50	48	46	48
Africa	28	33	26	23	26	32	39	31
Latin America	23	14	14	13	14	12	9	12
Near East	13	10	7	9	10	8	6	9
Total 4 developing regions of which:	100	100	100	100	100	100	100	100
Least developed countries <u>b</u> /	29	28	21	24	27	28	30	36
Low-income food-deficit countries	69	74	73	73	79	75	75	77
IDA-assisted countries d/	73	79	77	79	83	80	81	81

ANNEX TABLE 21. DISTRIBUTION OF OFFICIAL COMMITMENTS (EXCLUDING TECHNICAL ASSISTANCE GRANTS) TO AGRICULTURE (BROAD DEFINITION) FROM ALL SOURCES, BY REGION AND ECONOMIC GROUPS, 1976-83

Data on bilateral (DAC and OPEC) commitments are incomplete. Note:

Preliminary. 36 countries.

66 countries.

69 countries.

WHERE TO PURCHASE FAO PUBLICATIONS LOCALLY

Superior of the second Algeria Argentina Australia Austria Bahrain Bangladesh Belgium Bolivia Botswana Brazil Brunei Canada China Congo Costa Rica Cuba Cyprus Czechoslovakia Denmark Dominican Rep. Ecuador El Salvador Finland France Germany, F.R. Ghana Greece Guatemala Guinea-Bissau Guyana Haiti Hong Kong Hungary Iceland India Indonesia Iraq Ireland Italy Japan Kenya Korea, Rep. of Kuwait Luxembourg Malaysia Mauritius Mexico Morocco Netherlands New Zealand Nicaragua Nigeria Norway Pakistan Panama Paraguay Libreria Distribuidora «Santa Rosa», Jirón Apurimac 375, Casilla 4937, Lima 1. The Modern Book Company Inc., PO Box 632, Manila. Peru Philippines Ars Polona, Krakowskie Przedmiescie 7, 00-068 Warsaw Poland Livraria Bertrand, S.A.R.L., Rua João de Deus, Venda Nova, Apartado 37, 2701 Amadora Codex; Livraria Portugal, Dias y Andrade Ltda., Rua do Carmo 70-74, Apartado 2681, 1117 Lisbonne Codex. Portugal Ilexim, Str. 13 Dicembrie No. 3-5, Bucharest Sector 1. Romania The Modern Commercial University Bookshop, PO Box 394, Riyadh. MPH Distributors (S) Pte. Ltd, 71/77 Stamford Road, Singapore 6; Select Books Pte. Ltd, 215 Tanglin Shopping Centre, 19 Tanglin Road, Singapore 1024; SST Trading Sdn. Bhd., Bangunan Tekno No. 385, Jln 5/59, PO Box 227, Petaling Jaya, Selangor. Saudi Arabia Singapore "Samater's", PO Box 936, Mogadishu. Somalia Mundi-Prensa Libros S.A., Castellò 37, Madrid 1; Libreria Agricola, Fernando VI 2, Madrid 4. M.D. Gunasena & Co. Ltd, 217 Olcott Mawatha, PO Box 246, Colombo 11. Spain Srl Lanka University Bookshop, University of Khartoum, PO Box 321, Khartoum. Sudan VACO n.v. in Suriname, Domineestraat 26, PO Box 1841, Paramaribo. Books and documents: C.E. Fritzes Kungl. Hovbokhandel, Regeringsgatan 12, PO Box 16356, 103 27 Stockholm. Subscriptions: Vennergren-Williams Suriname Sweden AB, PO Box 30004, 104 25 Stockholm. Librairie Payot S.A., Lausanne and Geneva; Buchhandlung und Antiquariat Heinimann & Co., Kirchgasse 17, 8001 Zurich. Switzerland Dar-es-Salaam Bookshop, PO Box 9030, Dar-es-Salaam; Bookshop, University of Dar-es-Salaam, PO Box 893, Morogoro. Tanzania Suksapan Panit, Mansion 9, Rajadamnern Avenue, Bangkok. Librairie du Bon Pasteur, B.P. 1164, Lomé. Thailand Togo Libraine du Bon Pasteur, B.P. 1164, Löme.
 Société tunisienne de diffusion, 5, avenue de Carthage, Tunis.
 Kultur Yayinlari Is-Turk Ltd Sti., Ataturk Bulvari No. 191, Kat. 21, Ankara. Bookshops in Istanbul and Izmir.
 Her Majesty's Stationery Office, 49 High Holborn, London WC1V 6HB (callers only); HMSO Publications Centre, Agency Section, 51 Nine Elms Lane, London SW8 5DR (trade and London area mail orders); 13a Castle Street, Edinburgh EH2 3AR; 80 Chichester Street, Belfast BT1 4JY; Brazennose Street, Manchester M60 8AS; 258 Broad Street, Birmingham B1 2HE; Southey House, Wine Street, Bristol BS1 2BQ. Tunisia Turkey United Kingdom UNIPUB, PO Box 1222, Ann Arbor, MI 48106. United States of America Libreria Agropecuaria S.R.L., Alzaibar 1328, c.c. 1755, Montevideo. Uruguay Yugoslavia Jugoslovenska Knjiga, Trg. Republike 5/8, PO Box 36, 11001 Belgrade; Cankarjeva Zalozba, PO Box 201-IV, 61001 Ljubljana. Kingstons (Zambia) Ltd, Kingstons Building, President Avenue, PO Box 139, Ndola. Requests from countries where sales agents have not yet been appointed may be sent to: Distribution and Sales Section, FAO, Via delle Terme di Caracalla, Zambia Other countries 00100 Rome, Italy

Tipo-lito Sagraf - Napoli

FAO PUBLICATIONS

FAO publishes a number of annuals, periodicals and other publications covering a wide range of topics. A selected list of these is given below.

Annuals

FAO Production Yearbook FAO Trade Yearbook FAO Fertilizer Yearbook FAO Yearbook of Fishery Statistics: Catches and Landings FAO Yearbook of Fishery Statistics: Fishery Commodities FAO Yearbook of Forest Products FAO/WHO/OIE Animal Health Yearbook Commodity Review and Outlook

Periodicals

World Animal Review Monthly Bulletin of Statistics Food and Nutrition Unasylva

Others

Agricultural Commodity Projections 1975-1985 Forestry Paper No. 18: Forest Product Prices 1960-78 Fourth World Food Survey "There is ... general agreement that the ultimate aim of world food security is to ensure that all people, at all times, have both physical and economic access to the basic food they need. Unfortunately, the practical achievement of this goal appears as remote as ever."

"A major policy reorientation in Africa toward strengthening domestic food production is clearly called for, and indeed to some extent is already under way. But such an undertaking cannot be regarded solely as an exercise in planning the food sector, or even agriculture as a whole. It is the entire development model that must be changed."

"We therefore need to consider, not merely the growth of total food requirements, but also the increase in urban food needs ... the basic issue being how to expand marketed supplies, as distinct from subsistence production."

> EDOUARD SAOUMA Director-General Food and Agriculture Organization of the United Nations

> > P-00 ISBN 92-5-102227-5 ISSN 0081-4539