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**An Assessment of Demand, Production,
and Market Potential for Fruit, Produce,
and Other Agricultural Crops in Africa**

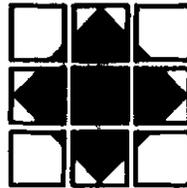
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PDC-1096-1-00-7169-00, D.O. #13*

Prepared by:

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and
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February 1991



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Established 1977

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Countries

Africa

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Panama
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Singapore

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Egypt
Jordan
Lebanon
Morocco
Tunisia
Yemen

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Reports, such as these which are produced under an I.Q.C., are rarely the ideas or work of a single individual. This is especially true for the ones here. To all who have contributed ideas and material, I am thankful and appreciative. Individuals listed below deserve special recognition and I want to acknowledge them singly:

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William Cook, CEO: for his receptivity to working with African agriculturalists and doing business in Africa.

I am particularly pleased to be working with The Pragma Corporation. Jacques Defay, President, has listened to my proposals and been open-minded, even to those which did not work out. Mohammed Fatoorechie, Chief, Agricultural Division, gave me a free hand and strong support, not to mention benefit of his creative thinking. Aaron Bornstein and Elizabeth Pancake were unfailingly helpful and understanding of my demands, providing all assistance possible. To them, and all the very supportive staff at Pragma, I say thanks.

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February 1991

Table of Contents

Acknowledgements

Project Description	1
General Comments	4
Assessments of Crops	5

Annexes

1. Scope of Work
2. Alphabetical Index of Crop Categories by Crop Name
3. Index of Crops by Crop Category
4. Country Tables
5. African Agricultural Commodity Database: Installation & Setup
(With Four Diskettes)

PROJECT DESCRIPTION

The overall purpose of this project was to access demand, production, and market potential for vegetable, fruit, specialty products, and other produce in selected African countries. The approach was to identify ways and means to assist private sector producers, processors, and other related businesses to link to improved marketing arrangements and improved technologies for production, processing, and marketing through joint venture arrangements, management, and technology contracts, etc. In most cases, the initial assessment was to be based on the domestic, regional, and international export demand composition and requirements. The project undertook to do this via a range of activities, from assessment for all countries, to an examination of specific products (passion fruit) in one country, to selected mission supported activities and export marketing arrangements in these countries, to an analysis of institutional and legal changes in the United States because of new legislation (Clean Air Act and Farm Bill), which might create new opportunities for production in Africa.

Background

Studies conducted by other Agency for International Development projects, specifically the Agricultural Policy Analysis Project II (APAP II) clearly indicate that current cash crops, as well as potential ones, can be competitive in world markets if sufficient attention is given to production and marketing costs. In addition, country specific strategies or crop specific production plans must examine national policies and institutional arrangements as well as international market prospects. APAP II's research indicated that the countries that have been most successful in staying competitive in world markets are those that paid the most attention to basic marketing principles. Another factor they identified is the degree of political power wielded by agricultural producers. A final important element is investment in improving productivity of the relevant product as well as improving the quality of the product.

There are other elements which must be kept in mind. Production in Africa is largely by smallholders so the critical question is how can they become involved in the agribusiness/agro-processing system? Swanberg (1990) has addressed this question and indicated that there are six elements: technology choice, environmental adaptation, comparative advantage, vertical integration, agribusiness development, and the learning curve. Two of these elements bear additional comment. In environmental terms, the factor endowments in Africa are far more restrictive than Asia or Latin America, such that a wholesale transfer of technology (the Green Revolution, for example) from other regions is fruitless. However, there are environments which, with adaptation of some imported technologies which are low input and low cost, combined with improved local production systems, hold potential. The arid and semi-arid lands

(ASAL) have commodities that have been little studied and for which we lack an in-depth understanding of markets, both regional and international, and what comparative advantages these commodities possess in these markets. The comparative advantage becomes clearer when the basic product is transformed into a semi-processed or manufactured good (i.e., agro-processed). When the processed-form markets are identified, the demand for the dryland commodities is extremely strong.

For the above reasons as well as others, this project began with the assumption that there are any number of agricultural commodities and agribusiness related processed products which are capable of being produced in selected African environments if a correct assessment is made of potential demand. Obviously, the initiation of expansion of production of such commodities can be beneficial for the developing African country in terms of increasing income and employment in agriculture. The problem is that there is very little data available to establish effective demand patterns upon which to base potential agribusiness development activities and for determining the potential for the production of these products in African countries.

In addition, some of these potential demand commodities need to be analyzed in terms of their possibilities for expansion or improvement without direct production assistance from the Agency for International Development. Instead, the Agency would provide assistance for market analyses, technical advice to existing production operations, and/or assistance to African intermediate financial institutions which are currently funding such products.

The Africa Bureau's Market Development and Investment (AFR/MDI) Office initiated this project to meet its need for data and to identify potential commodities for expansion and marketing and to select opportunities for investment that would appeal to United States investors. MDI is working to bring the private sector into the struggle to enhance rural living standards (especially with agribusiness developments such as contract farming) in developing African countries by attracting private sector resources to investments that will raise levels of rural employment and increase agricultural production. The private sector expects its capital and technical investment to be profitable. MDI, therefore, requires a means to identify potentially profitable investment opportunities to highlight to the private sector.

Project Activities

In furtherance of this objective and as part of other related activities underway in MDI, this project undertook a disparate set of activities. Using data from the United Nations (UN) Food and Agricultural Organization (FAO), it established a database and did a rapid assessment of crops which have agribusiness potential for each of

forty-three countries in Africa South of the Sahara. It conducted a study of passion fruit in Kenya to assess its potential for expansion and the market demand for passion fruit products in Europe. It assisted in a survey of products in Botswana and the development of a mission plan to improve the output of agribusiness activities; a similar effort was a reconnaissance of Ghana and Gambia with an agribusiness industry leader to develop joint venture marketing of selected products. Finally, it sponsored an analysis of new legislation in the United States which may create opportunities for production of products in Africa to meet new market demand; specifically, this is the Clean Air Act Amendment of 1990 (to accompany S. 2830) and the Conference Report of the Food, Agriculture, Conservation, and Trade Act of 1990 (to accompany S. 1630).

Output

The outputs of this project are four reports, each related to the activities above. This report focuses on assessment and the database. The substance of the report is Annex 4, Country Tables, and Annex 5, The Database, contained on four diskettes which are in a sleeve at the end. The database program used was Foxbase+ and the instructions for installation and setup of the program is also in Annex 5.

GENERAL COMMENTS

Analysis and Value of the Data

The data used for this project was FAO production and trade data from 1970 to 1988. The data was configured in DBASE language and was reconfigured and merged into Foxbase+ by the contractor.

In general, analysts consider FAO data to be of dubious value. However, in determining trends over the long term of production, import, and export potential, it is usable as a first cut at an analysis. The contractor used the data in conjunction with other available information about production and production potential in the countries analyzed.

Data Problems

In some cases, FAO does not have particular country production information, such as beer, which has a good agribusiness potential in many of the more affluent countries. With regard to animal skins, FAO uses a proxy percentage of animals slaughtered and, therefore, skin export or local industry use potential is impossible to analyze in any detail.

With regard to fruits and vegetable production in the countries analyzed, it is clear that data is only available where such products:

- a. enter the formal marketing system, or
- b. are important domestic crops, and/or
- c. are major import or export crops.

ASSESSMENTS OF CROPS

General Qualifications:

The following assessments (see Annex 4 Country Tables) should be viewed in terms of the other limiting or mitigating factors which may have more to say about potential than the actual production capabilities in the country such as:

- cost of production,
- quality of production,
- government prices, duties, and tariffs,
- marketing constraints within the country, and/or
- transportation and logistics constraints for production and exports.

All of these are factors, which can determine a country's comparative advantage as well as its competitive advantage, must be determined in detail within each country before proceeding to develop or initiate a program to encourage agribusiness development for any of the selected commodities.

Commodities Which Suggest Potential for Growth

The following commodities have world demand levels which suggest that any production which has a competitive price would be profitable to export to general or selected (targeted) markets in the European Economic Community (EEC) and/or North America.

animal hides and skins; tanned; partially preserved; or finished leather; or finished leather products.

wool, mohair and cotton; or finished threads; partially produced and/or finished textiles.

fresh fruits and vegetables for export to EEC, North America, and the Middle East; in particular products which can be competitively priced and delivered in off-season periods with steady supply. This does not apply to all such products, but generally would apply to exotics and products which are not now competitively priced; e.g., avocados, bananas, tangerines, grapefruit, specialty oranges, table grapes, mangoes, passion fruit, papayas, and pineapples.

livestock (cattle, sheep, goats) for export to the Middle East for slaughter in-country.

sesame seed.

sisal and jute.

Commodities With Potential but Requiring Industrial Production Capacity

Such products should not be produced domestically if there is no comparative advantage over the long term:

milk products: butter, dry milk, condensed and evaporated milk.

ANNEX 1

Scope of Work

SCOPE OF WORK

ATTACHMENT 1

IMPROVED PRODUCE, CASH CROP AND SPECIALTY PRODUCTS AND OTHER COMMODITY MARKETING IN AFRICA

PURPOSE

This activity falls under the AFR/MDI Sub Project for "Improved Produce, Cash Crop, Specialty Products and Other Commodity Marketing in Africa"

The overall purpose of this sub-project is to assess demand, production and market potential for vegetable, fruit, specialty products and other produce in selected African countries. The approach is to identify ways and means to assist private sector producers, processors and other related product businesses to link to improved marketing arrangements and improved technologies for production, processing and marketing through joint venture arrangements, management and technology contracts, etc. In most cases the initial assessment will be based on the domestic, regional and international export demand composition and requirements.

Scope of Work

This activity will be focussed initially in Gambia, Kenya, Uganda Senegal and Ghana. However, other countries may be visited as becomes necessary.

The contractor will provide specialists/experts in Produce Production and Processing, Marketing, Agri-business and International Business/ Export Marketing.

The contractor will provide assessments of the vegetable, fruit, specialty products and other produce, production, processing and export marketing industry in each of the selected countries. Each assessment will be highly focussed on the potential for profitable business operations in the private sector. It will include the operational and financial structure of the industry(s), current technologies, cost factors, management capacity and marketing management. It will seek to identify the

elements which need strengthening e.g. technology, marketing, financial management, and recommend alternative means/solutions to improve business management and profitability.

A key approach which will be used in developing recommendations is the use of joint venture arrangements/contracting to bring foreign companies in the same industry which can provide the missing capabilities and/or skills to assure a viable business. Another important element will be the use of outgrower and copntract farming schemes. Opportunities will be sought to penetrate favorable export markets and specialty niche markets in EEC and the Middle East as well as regional markets. Potential joint venture links to specific U.S and European industries will be identified. To the extent possible, potential "down stream" and value added industries will also be evaluated e.g., processing, canning, drying/preservation and other byproduct businesses.

Special attention will be given to policy, institutional, infrastructural, financial system and business climate constraints which limit business viability.

Where appropriate, the contractor will recommend and conduct additional studies, assessments and evaluations needed to attract joint venture partners and/or provide the means for potential partners to conduct exploratory meetings.

Contractor will utilize existing studies and surveys to the extent available to design each assessment.

In coordination with the MDI technical officer and the S&T Project Manager, contractor will recommend an initial country assessment schedule which will be coordinated with the appropriate USAID.

Relationships and Support Arrangements

Contractor will operate under the general guidance of the MDI technical officer and the S&T Project Manager. All assessments will be carefully coordinated with the country AID mission. Contractor will assure close coordination with the designated USAID officer and appropriate government officials. However, it is expected that the contractor will work most closely with private sector firms.

Although the country USAID mission may provide voluntary support to the contractor, the contractor should be capable to carry out each assignment with no logistical, transport, administrative or other support in-country from the US mission.

Travel

Contractor is authorized to travel to target African countries, regional and international markets and to meet with potential joint venture partners, as well as to execute international travel arrangements for all potential partners.

ANNEX 2

Alphabetical Index of Crop Categories by Crop Name

<u>CROP</u>	<u>CATEGORY</u>
ALMONDS	T01
ANIMAL OIL+FAT+GRS	LS03
APPLES	F01
APRICOTS	F02
AROMATIC COMPOUNDS	A12
ARTICHOKES	V05
AVOCADOS	F03
BACON AND HAM	LPA02
BANANAS	F04
BARLEY	GE
BEANS, DRY	K05
BEANS, GREEN	K04
BEEF AND VEAL	LBA02
BEER	B01
BROAD BEANS, DRY	K06
BUFFALOES	L
BUTTER	LAA06
CABBAGES	V01
CANNED MEAT NES	LS01
CANTALOUPE+OTH MELONS	F21
CARROTS	V11
CASHEW NUTS	T03
CASSAVA	R02
CASTOR BEANS	001
CASTOR OIL	0001
CATTLE	LBA01
CATTLE&BUFFALO HIDES,FR.	LQ01
CAULIFLOWER	V11
CEREALS	G
CEREALS NES	B01
CHEESE	LAA01
CHICK-PEAS	K02
CHICKENS	LC01
CHILLIES+PEPPERS, GREEN	V03
CITRUS FRUIT NES	F06.1
CITRUS FRUIT, TOTAL	F06
COCOA BEANS	A01
COCOA BUTTER	A01.1
COCOA PASTE	A01.3
COCOA POWDER AND CAKE	A01.2
COCONUT OIL	0002
COCONUTS	A11
COCONUTS DESICC	A11.1
COFFEE	A02
COPRA	0F01
COPRA CAKE	0F01
COTTON LINT	H03.1
COTTONSEED	003
COTTONSEED CAKE	0F02
COTTONSEED OIL	0003

<u>COW MILK, WHOLE, FRESH CROP</u>	<u>LAA02 CATEGORY</u>
CUCUMBERS AND GHERKINS	V02
DATES	F07
DUCKS	LC
EGGPLANTS	V04
EGGS	LCA01
EGGS DRIED	LCA02
EGGS EXCL HEN	LCA04
EGGS LIQUID	LCA01
EGGS PRIMARY	LCA01
FIBRE CROPS NES	H11
FIBRE CROPS PRIMARY	H12
FLAX FIB+TOW+W	H09
FRUIT EXCL MELONS, TOTAL	F
GARLIC	P03
GOAT MEAT	LMA01
GOAT MILK	LMA02
GOATS	LM01
GOATSKINS, FRESH	LD03
GRAPEFRUIT AND POMELO	F06.7
GRAPES	F09
GROUNDNUT CAKE	OF03
GROUNDNUT OIL	0004
GROUNDNUTS IN SHELL	004
GROUNDNUTS TOT SHD	004.1
HAZELNUTS (FILBERTS)	T04
HONEY	A10
HOPS	V12
JUTE+BAST FIBRES	H05
JUTE+JUTE-LIKE FIBRES	H05
LARD+FAT, PIG+POULT	LS03
LEMONS AND LIMES	F06.4
LENTILS	V10
LINSEED	005
LINSEED CAKE	OF04
LINSEED OIL	0005
MAIZE	GA
MALT	GE01
MANGOES	F11
MARGARINE ETC	00A01
MEAT BOVINE FRESH	LBA02
MEAT DRIED SALTED	LBA03
MEAT EXTRACTS	LS09
MEAT FRESH+CH+FROZEN	LBA05
MEAT MEAL	LBA04
MEAT OF SWINE	LPA01
MEAT OFFALS FR NES	LS04
MEAT PREPARED PRES	LS02
MEAT SHEEP FRESH	LL02
MEAT, DRIED, NES	LS05
MILK CONDENSED+EVAPORATED	LAA04
MILK DRY	LAA03

<u>MILK FRESH</u> <u>CROP</u>	<u>LAA02</u> <u>CATEGORY</u>
MILLET	GC
MUTTON AND LAMB	LLA01
NATURAL RUBBER	A04
OATS	GG
OFFALS EDIBLE	LS04
OIL OF MAIZE	0006
OILCAKES TOTAL	0F11
OILSEED CAKE NES	0F13
OLIVE OIL, TOTAL	0013
OLIVES	F22
ONIONS	V06
ORANGES	F06.5
ORANGES+TANG+CLEM	F06.6
OTH CITRUS FRT	F06.2
PALM KERNEL CAKE	0F06
PALM KERNEL OIL	0007
PALM NUTS KERNELS	011
PALM OIL	0007
PAPAYAS	F13
PEACHES	F14
PEARS	F15
PEAS, DRY	K03
PEAS, GREEN	K03
PEPPER	P08
PIGMEAT	LPA01
PIGS	LP01
PIMENTO	P09
PINEAPPLE CANNED	F16.2
PINEAPPLE FRESH	F16
PISTACHIOS	T07
PLANTAINS	F17
PLUMS	F18
POTATOES	V07
POULTRY INDIGENOUS, TOTAL	LC02
POULTRY MEAT	LC03
PULSES	K07
PUMPKINS, SQUASH, GOURDS	V08
PYRETHRUM	A05
RAISINS	F09.1
RAPE+MUSTARD OILS	0008
RAPESEED	006
RAPESEED CAKE	0F10
RICE	GF
ROOTS AND TUBERS, TOTAL	R
RYE	GH
SAFFLOWER SEED	012
SAUSAGES	LS08
SEED COTTON	H03
SESAME SEED	007
SHEEP	LL01
SHEEP MILK	LLA02

<u>SHEEPSKINS, FRESH</u> <u>CROP</u>	<u>LQ02</u> <u>CATEGORY</u>
SILK	H06
SILK, RAW AND WASTE	H06.1
SISAL	H07
SKIM MILK+BUTTERMILK, DRY	LAA07
SORGHUM	GB
SOYBEAN CAKE	DF08
SOYBEAN OIL	DD10
SOYBEANS	DD8
SUGAR (NONCENTRIFUGAL)	A07
SUGAR (RAW EQUIV.)	A07
SUGAR BEETS	A06
SUGAR CANE	A07
SUGAR RAW	A07
SUNFLOWER CAKE	DF09
SUNFLOWER OIL	DD11
SUNFLOWER SEED	DD9
SWEET POTATOES	V09
TANG. MAND. CLEMENT. SATSMA	F06.3
TEA	A08
TOBACCO	A09
TOMATOES	V10
TREENUTS, TOTAL	T
TUNG OIL	DD14
VANILLA	P10
WATERMELONS	F21
WHEAT	GD
WHEAT FLOUR	GD01
WINE	B02
WOOL GREASY	H08.1
WOOL SCOURED	H08.2
YAMS	R01

ANNEX 3

Index of Crops by Crop Category

<u>CROP</u>	<u>CATEGORY</u>
COCOA BEANS	A01
COCOA BUTTER	A01.1
COCOA POWDER AND CAKE	A01.2
COCOA PASTE	A01.3
COFFEE	A02
NATURAL RUBBER	A04
PYRETHRUM	A05
SUGAR BEETS	A06
SUGAR (NONCENTRIFUGAL)	A07
SUGAR (RAW EQUIV.)	A07
SUGAR RAW	A07
SUGAR CANE	A07
TEA	A08
TOBACCO	A09
HONEY	A10
COCONUTS	A11
COCONUTS DESICC	A11.1
AROMATIC COMPOUNDS	A12
BEER	B01
WINE	B02
FRUIT EXCL MELONS, TOTAL	F
APPLES	F01
APRICOTS	F02
AVOCADOS	F03
BANANAS	F04
CITRUS FRUIT, TOTAL	F06
CITRUS FRUIT NES	F06.1
OTH CITRUS FRT	F06.2
TANG. MAND. CLEMENT. SATSMA	F06.3
LEMONS AND LIMES	F06.4
ORANGES	F06.5
ORANGES+TANG+CLEM	F06.6
GRAPEFRUIT AND POMELO	F06.7
DATES	F07
GRAPES	F09
RAISINS	F09.1
MANGOES	F11
PAPAYAS	F13
PEACHES	F14
PEARS	F15
PINEAPPLE FRESH	F16
PINEAPPLE CANNED	F16.2
PLANTAINS	F17
PLUMS	F18
WATERMELONS	F21
CANTALOUPE+OTH MELONS	F21
OLIVES	F22
CEREALS	G
CEREALS NES	G01
MAIZE	GA
SORGHUM	GB

<u>CROP</u>	<u>CATEGORY</u>
MILLET	GC
WHEAT	GD
WHEAT FLOUR	GD01
BARLEY	GE
MALT	GE01
RICE	GF
OATS	GG
RYE	GH
SEED COTTON	H03
COTTON LINT	H03.1
JUTE+BAST FIBRES	H05
JUTE+JUTE-LIKE FIBRES	H05
SILK	H06
SILK, RAW AND WASTE	H06.1
SISAL	H07
WOOL GREASY	H08.1
WOOL SCOURED	H08.2
FLAX FIB+TOW+W	H09
FIBRE CROPS NES	H11
FIBRE CROPS PRIMARY	H12
CHICK-PEAS	K02
PEAS, DRY	K03
PEAS, GREEN	K03
BEANS, GREEN	K04
BEANS, DRY	K05
BROAD BEANS, DRY	K06
PULSES	K07
BUFFALOES	L
CHEESE	LAA01
MILK FRESH	LAA02
COW MILK, WHOLE, FRESH	LAA02
MILK DRY	LAA03
MILK CONDENSED+EVAPORATED	LAA04
BUTTER	LAA06
SKIM MILK+BUTTERMILK, DRY	LAA07
CATTLE	LBA01
BEEF AND VEAL	LBA02
MEAT BOVINE FRESH	LBA02
MEAT DRIED SALTED	LBA03
MEAT MEAL	LBA04
MEAT FRESH+CH+FROZEN	LBA05
DUCKS	LC
CHICKENS	LC01
POULTRY INDIGENOUS, TOTAL	LC02
POULTRY MEAT	LC03
EGGS PRIMARY	LCA01
EGGS	LCA01
EGGS LIQUID	LCA01
EGGS DRIED	LCA02
EGGS EXCL HEN	LCA04
SHEEP	LL01
MEAT SHEEP FRESH	LL02

CROPCATEGORY

MUTTON AND LAMB	LLA01
SHEEP MILK	LLA02
GOATS	LM01
GOAT MEAT	LMA01
GOAT MILK	LMA02
FIGS	LP01
FIGMEAT	LPA01
MEAT OF SWINE	LPA01
BACON AND HAM	LPA02
CATTLE&BUFFALO HIDES,FR.	LQ01
SHEEPSKINS, FRESH	LQ02
GOATSKINS, FRESH	LQ03
CANNED MEAT NES	LS01
MEAT PREPARED PRES	LS02
ANIMAL OIL+FAT+GRS	LS03
LARD+FAT,PIG+POULT	LS03
MEAT OFFALS FR NES	LS04
OFFALS EDIBLE	LS04
MEAT, DRIED, NES	LS05
SAUSAGES	LS08
MEAT EXTRACTS	LS09
CASTOR BEANS	001
COTTONSEED	003
GROUNDNUTS IN SHELL	004
GROUNDNUTS TOT SHD	004.1
LINSEED	005
RAPESEED	006
SESAME SEED	007
SOYBEANS	008
SUNFLOWER SEED	009
PALM NUTS KERNELS	011
SAFFLOWER SEED	012
COPRA CAKE	0F01
COPRA	0F01
COTTONSEED CAKE	0F02
GROUNDNUT CAKE	0F03
LINSEED CAKE	0F04
PALM KERNEL CAKE	0F06
SOYBEAN CAKE	0F08
SUNFLOWER CAKE	0F09
RAPESEED CAKE	0F10
OILCAKES TOTAL	0F11
OILSEED CAKE NES	0F13
CASTOR OIL	0001
COCONUT OIL	0002
COTTONSEED OIL	0003
GROUNDNUT OIL	0004
LINSEED OIL	0005
OIL OF MAIZE	0006
PALM OIL	0007
PALM KERNEL OIL	0007
RAPE+MUSTARD OILS	0008

<u>CROP</u>	<u>CATEGORY</u>
SOYBEAN OIL	0010
SUNFLOWER OIL	0011
OLIVE OIL, TOTAL	0013
TUNG OIL	0014
MARGARINE ETC	00A01
GARLIC	P03
PEPPER	P08
PIMENTO	P09
VANILLA	P10
ROOTS AND TUBERS, TOTAL	R
YAMS	R01
CASSAVA	R02
TREENUTS, TOTAL	T
ALMONDS	T01
CASHEW NUTS	T03
HAZELNUTS (FILBERTS)	T04
PISTACHIOS	T07
CABBAGES	V01
CUCUMBERS AND GHERKINS	V02
CHILLIES+PEPPERS, GREEN	V03
EGGPLANTS	V04
ARTICHOKES	V05
ONIONS	V06
POTATOES	V07
PUMPKINS, SQUASH, GOURDS	V08
SWEET POTATOES	V09
TOMATOES	V10
LENTILS	V10
CARROTS	V11
CAULIFLOWER	V11
HOPS	V12

ANNEX 4

Country Tables

COUNTRY NAME: ANGOLA

CROP CATEGORY	CROP NAME	POTENTIAL FOR AGRI-BUSINESS DEVEL.				ADDITIONAL APPRAISAL IN-COUNTRY	EXPLANATORY NOTES:
		INDUST. / DOMEST. USE	IMPORT SUBSTITUTION	EXPORT			
				INTERNAT	REGIONAL		
A09	TOBACCO		X	X		X	REVIEW IMPORT/EXPORT HISTORY
A02	COFFEE			X		X	1976-1986 -- EXPORTS EXCEED PRODUCTION POTENTIAL PRODUCTION 200,000 M.T.
A07	SUGAR CANE/RAW SUGAR		X				POTENTIAL TO DOUBLE PRODUCTION OF CANE AND RAW SUGAR
H03	COTTON	X				X	POTENTIAL TO TRIPLE PRODUCTION. LOCAL DEMAND AND PRICE NEED REVIEW.
H07	SISAL	X		X			POTENTIAL OF 61,000 M.T.
K05	BEANS, DRY		X	X			DOUBLE BEAN PRODUCTION TO 80,000 M.T. AND FOR EXPORT
LAA	DAIRY PRODUCTS		X				
D09	SUNFLOWER SEED		X				COULD DOUBLE PRODUCTION
D07	SESAME SEED			X	X		
D010	SOYBEAN OIL		X				COULD CONSIDER OTHER OILSEED SUBSTITUTES
F04	BANANAS			X			EXPORTS OF UP TO 50,000 M.T. 1970-1978
F16	PINEAPPLE			X			FRESH AND CANNED EXPORT 1970-1975

COUNTRY NAME: BENIN

CROP CATEGORY	CROP NAME	POTENTIAL FOR AGRI-BUSINESS LEVEL.				ADDITIONAL APPRAISAL IN-COUNTRY	EXPLANATORY NOTES:
		INDUST./ DOMEST. USE	IMPORT SUBSTITUTION	EXPORT			
				INTERNAT'	REGIONAL		
A09	TOBACCO			X			
K05	BEANS - DRY			X			
LBA01	BEEF MEAT - FRESH		X				
Q07	SESAME SEED			X			
Q11	PALM OIL NUTS				X	X	
F16	PINEAPPLE			X		X	
FD6.5	ORANGES			X		X	
F11	MANGOES			X		X	
F07	DATES			X		X	
F04	BANANAS			X		X	
V03	PEPPERS - FRESH			X			

COUNTRY NAME: BOTSWANA

CROP CATEGORY	CROP NAME	POTENTIAL FOR AGRI-BUSINESS DEVEL.				ADDITIONAL APPRAISAL IN-COUNTRY	EXPLANATORY NOTES:
		INDUST./ DOMEST. USE	IMPORT SUBSTI TUTION	EXPORT			
				INTERNAT	REGIONAL		
GE01	BARLEY	X	X				FOR MALT PRODUCTION
H03	COTTON	X					POTENTIAL INCREASE IN PRODUCTION
K05	BEANS		X	X			POTENTIAL INCREASE IN PRODUCTION
LBA01	BEEF MEAT - FRESH			X	X		POTENTIAL INCREASE
O09	SUNFLOWER SEED	X	X				POTENTIAL INCREASE FOR OIL INDUSTRY AND FEED
F06	CITRUS		X				

COUNTRY NAME: BURKINA FASO

CROP CATEGORY	CROP NAME	POTENTIAL FOR AGRIC-BUSINESS DEVEL.				ADDITIONAL APPRAISAL IN-COUNTRY	EXPLANATORY NOTES:
		INDUST./ DOMEST. USE	IMPORT SUBSTI TUTION	EXPORT			
				INTERNAT'	REGIONAL		
A09	TOBACCO		X			X	SHOULD REVIEW IMPORTS
K05	PULSES			X			POTENTIAL EXPANSION
LBA01	FRESH MEAT				X		POTENTIAL EXPANSION EXPORTS TO IVORY COAST
LL/LM01	SHEEP AND GOATS (HEADS)			X	X		POTENTIAL EXPANSION EXPORTS TO IVORY COAST
LAA	MILK AND DAIRY PRODUCTS		X			X	EXPAND DAIRY HERDS - NOW 500,000
LP01	PIGS				X		EXPORTS TO CAMEROON
007	SESAME SEED			X			
002	COCONUTS		X			X	REVIEW USE OF IMPORTED COCONUTS
0F10	GILSEED CAKE EXPORTS, ESP				X		EXPORTS TO IVORY COAST
009	SUNFLOWER	X	X				OFFSET IMPORTS OF PALM AND SOYBEAN OIL IF PRODUCTION COSTS COMPETITIVE
H07	SISAL			X			EXPANSION POTENTIAL - WORLD DEMAND
F07	DATES		X	X			GOOD POTENTIAL FOR PRODUCTION/WORLD DEMAND
F11	MANGOES			X			FRESH PRODUCTION FOR EXPORT
T04	HAZELNUTS			X			UNMET DEMAND WORLDWIDE
V06	ONIONS		X			X	PRICE COMPETITIVENESS REVIEW

COUNTRY NAME: BURUNDI

CROP CATEGORY	CROP NAME	POTENTIAL FOR AGRI-BUSINESS DEVEL.				ADDITIONAL APPRAISAL IN-COUNTRY	EXPLANATORY NOTES:
		INDUST./ DOMEST. USE	IMPORT SUBSTITUTION	EXPORT			
				INTERNAT'	REGIONAL		
A05	PYRETHRUM			X		X	INCREASED WORLD DEMAND/SAME PRODUCTION IN 1970
H03	COTTON				X		EXPORTS TO KENYA
OF02	COTTON SEED CAKE				X		EXPORTS TO KENYA
GE01	BARLEY FOR MALT	X	X			X	COST OF PRODUCTION MAY BE A PROBLEM
LS3	ANIMAL OILS		X			X	LOCATION OF ANIMAL SLAUGHTER NEEDS REVIEW

COUNTRY NAME: CAMEROON

CROP CATEGORY	CROP NAME	POTENTIAL FOR AGRI-BUSINESS DEVEL.				ADDITIONAL APPRAISAL IN-COUNTRY	EXPLANATORY NOTES:
		INDUST./ DOMEST. USE	IMPORT SUBSTI TUTION	EXPORT			
				INTERNAT'	REGIONAL		
A04	RUBBER - NATURAL			X			WORLD DEMAND INCREASING
A01	COCOA BEANS			X		Y	POTENTIAL EXPANSION - INCREASED WORLD DEMAND
A09	TOBACCO		X	X		X	REVIEW IMPORT/EXPORT PATTERNS
GE01	BARLEY FOR MALT	X	X			Y	CHECK FOR BARLEY PRODUCTION AND COST PRODUCTION PROBLEMS
K05	BEANS			X			WORLD DEMAND
LBA01	MEAT - BEEF - FRESH - FRO		X			X	6,000 M.T. IMPORTS - CHECK SOURCES AND PRICES
LCA03	MEAT - POULTRY - FRESH		X			X	6,000 M.T. IMPORTS - CHECK SOURCES AND PRICES
LPA01	MEAT - PIG		X			X	3,000 M.T. IMPORTS - CHECK SOURCES AND PRICES
F16	PINEAPPLE			X			INCREASE EXPORTS - ASSESS CANNING
F04	BANANAS			X		X	ASSESS REDUCED EXPORTS SINCE 1978
F03	AVACADOS			X		X	POTENTIAL FRESH EXPORTS

COUNTRY NAME: CAPE VERDE

CROP CATEGORY	CROP NAME	POTENTIAL FOR AGRI-BUSINESS DEVEL.				ADDITIONAL APPRAISAL IN-COUNTRY	EXPLANATORY NOTES:
		INDUST./ DOMEST. USE	IMPORT SUBSTITUTION	EXPORT			
				INTERNAT'	REGIONAL		
A02	COFFEE		X	X		X	PRODUCTION REDUCED SINCE 1980
F04	BANANAS			X		Y	PRODUCTION REDUCED SINCE 1980
V06	ONIONS		X				DOMESTIC PRODUCTION POTENTIAL TO OFFSET IMPORTS
F07	DATES			X		Y	DATE PRODUCTION INCREASES POSSIBLE. NO EXPORTS INDICATED

COUNTRY NAME: CENTRAL AFRICAN REPUBLIC

CROP CATEGORY	CROP NAME	POTENTIAL FOR AGRI-BUSINESS DEVEL.				ADDITIONAL APPRAISAL IN-COUNTRY	EXPLANATORY NOTES:
		INDUST./ DOMEST. USE	IMPORT SUBSTI TUTION	EXPORT			
				INTERNAT'	REGIONAL		
A09	TOBACCO			X		X	PRODUCTION DOWN BY 75% SINCE 1980
A04	RUBBER			X			POTENTIAL EXPANSION - INCREASED DEMAND
A07	SUGAR		X			X	POTENTIAL PRODUCTION - COST OF PRODUCTION MAY BE A PROBLEM
H03	COTTON			X			POTENTIAL EXPANSION OF EXPORTS
H07	SISAL			X			WORLD DEMAND INCREASING
LS04	OFFALS (ALL)				X	X	6,000 M.T. EXPORTS UNTIL 1978
LBA01	MEAT BEAF - FRESH				X		POTENTIAL EXPORTS TO CAMEROON
LAA03/04	MILK - CONDENSED/DRY		X				EXPANSION OF MILK PRODUCTION TO OFFSET IMPORTS
LPA01	PIG MEAT				X		POTENTIAL EXPORTS TO CAMEROON
O07	SESAME SEED			X			POTENTIAL FOR EXPORTS

COUNTRY NAME: CHAD

CROP CATEGORY	CROP NAME	POTENTIAL FOR AGRI-BUSINESS DEVEL.				ADDITIONAL APPRAISAL IN-COUNTRY	EXPLANATORY NOTES:
		INDUST./ DOMEST. USE	IMPORT SUBSTITUTION	EXPORT			
				INTERNAT'	REGIONAL		
H03	COTTON	X		X			EXPANSION POTENTIAL
LBA	BEEF PRODUCTS	X			X		PREVIOUS EXPORTS 1970-77
D07	SESAME SEED			X			POTENTIAL EXPORTS
F07	DATES			X			POTENTIAL EXPANSION FOR EXPORT

COUNTRY NAME: COMOROS

CROP CATEGORY	CROP NAME	POTENTIAL FOR AGRI-BUSINESS DEVEL.				ADDITIONAL APPRAISAL IN-COUNTRY	EXPLANATORY NOTES:
		INDUST./ DOMEST. USE	IMPORT SUBSTI TUTION	EXPORT			
				INTERNAT'	REGIONAL		
A01	COCOA BEANS			X			WORLDWIDE DEMAND
D02	COCONUTS	X		X			POTENTIAL INCREASE IN PRODUCTION
P10	VANILLA			X			POTENTIAL INCREASE IN PRODUCTION

ofc

COUNTRY NAME: CONGO

CROP CATEGORY	CROP NAME	POTENTIAL FOR AGRI-BUSINESS DEVEL.				ADDITIONAL APPRAISAL IN-COUNTRY	EXPLANATORY NOTES:
		INDUST./ DOMEST. USE	IMPORT SUBSTI TUTION	EXPORT			
				INTERNAT'	REGIONAL		
A01	COCOA BEANS			X			PRODUCTION COULD BE INCREASED
A09	TOBACCO		X	X		X	PRODUCTION 1/2 OF 1974-75
A04	RUBBER			X			WORLD DEMAND
LBA	MEAT - FRESH, CHILLED, FR		Y				10,000 M.T. IMPORTS 1988
LAA	MILK AND MILK PRODUCTS	X	X			X	5,000 M.T. IMPORTS
D07	SESAME SEED			X			EXPORTS
S16	PINEAPPLE	X		X		X	FRESH EXPORTS DEPENDING ON TRANSPORT COSTS/ALSO CANNING
V06	ONION		X			X	2,400 M.T. IMPORTS

COUNTRY NAME: COTE D'IVOIRE

CROP CATEGORY	CROP NAME	POTENTIAL FOR AGRI-BUSINESS DEVEL.				ADDITIONAL APPRAISAL IN-COUNTRY	EXPLANATORY NOTES:
		INDUST./ DOMEST. USE	IMPORT SUBSTITUTION	EXPORT			
				INTERNAT'	REGIONAL		
A05	PYRETHRUM			X		X	PRODUCTION POTENTIAL
A09	TOBACCO		X			X	IMPORTS HIGH - CHECK
L	MEAT - FRESH, CHILLED, FROZ		X				44,000 M.T. IMPORTS - 1988
LAA	DAIRY PRODUCTS - MILK		X				OVER 50,000 M.T. OF CONDENSED AND DRY MILK IMPORTS - 1988
D07	SESAME SEED			X			WORLD DEMAND - POTENTIAL INCREASED PRODUCTION
F	TREENUTS					X	INCREASE IN PRODUCTION - EXPORTS NEED LOOK
V07	POTATOES		X			X	12,000 M.T. IMPORTS - CHECK PRODUCTION POTENTIAL
V06	ONIONS		X			X	22,000 M.T. IMPORTS

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COUNTRY NAME: EQUATORIAL GUINEA

CROP CATEGORY	CROP NAME	POTENTIAL FOR AGRI-BUSINESS DEVEL.				ADDITIONAL APPRAISAL IN-COUNTRY	EXPLANATORY NOTES:
		INDUST./ DOMEST. USE	IMPORT SUBSTI TUTION	EXPORT			
				INTERNAT'	REGIONAL		
A01	COCOA BEAN			X			PRODUCTION WAS 35,000 M.T. IN 1970 NOW 7,000 M.T.

COUNTRY NAME: ETHIOPIA

CROP CATEGORY	CROP NAME	POTENTIAL FOR AGRI-BUSINESS DEVEL.				ADDITIONAL APPRAISAL IN-COUNTRY	EXPLANATORY NOTES:
		INDUST./ DOMEST. USE	IMPORT SUBSTI TUTION	EXPORT			
				INTERNAT	REGIONAL		
GE01	BARLEY MALT	X		X			GOOD BARLEY PRODUCTION: COULD PRODUCE MALT FOR EXPORT
H03	COTTON	X		X			GOOD DOMESTIC & INTERNTL DEMAND. PREVIOUS PRODUCTION OF 90,000 M.T.
K05	PULSES/BEANS			X	X		EXPORTS OF 100,000 M.T. 1970-75 NOW AT 1,000 M.T.
H6.1&2	GREASY AND SCOURED WOOL	X		X			GOOD POTENTIAL
D07	SESAME SEED			X			57,000 M.T. EXPORTS IN 1975 - 5,000 M.T. IN 1988
D05	LINSEED			X			PRODUCTION CAN BE DOUBLED
T	TREENUTS					X	62,000 M.T. 1988 - CHECK FOR EXPORT POTENTIAL

COUNTRY NAME: GABON

CROP CATEGORY	CROP NAME	POTENTIAL FOR AGRI-BUSINESS DEVEL.				ADDITIONAL APPRAISAL IN-COUNTRY	EXPLANATORY NOTES:
		INDUST./ DOMEST. USE	IMPORT SUBSTITUTION	EXPORT			
				INTERNAT'	REGIONAL		
A01	COCOA BEANS			X			PRODUCTION CAN BE TRIPLED
LBA	BEEF PRODUCTS		X			X	10,000 M.T. FRESH BEEF AND 8,000 POULTRY MEAT AND 5,000 OFFALS IMPORTED
F04	BANANAS			X		X	INCREASED EXPORTS POSSIBLE
V	ONION, TOMATO, AND POTATO		X			X	4,000 M.T. IMPORTS - CHECK COST OF PRODUCTION

COUNTRY NAME: GAMBIA

CROP CATEGORY	CROP NAME	POTENTIAL FOR AGRI-BUSINESS DEVEL.				ADDITIONAL APPRAISAL IN-COUNTRY	EXPLANATORY NOTES:
		INDUST./ DOMEST. USE	IMPORT SUBSTITUTION	EXPORT			
				INTERNAT'	REGIONAL		
							53,000 M.T. GROUNDNUTS 1975 REDUCED TO 16,000 M.T.; 30,000 M.T. CAKE
OF03	GROUNDNUTS AND CAKE			X			EXPORTS IN 1975 REDUCED TO 12,000 M.T.
K	LEGUMES			X	X		POTENTIAL PULSES INCREASES

COUNTRY NAME: GHANA

CROP CATEGORY	CROP NAME	POTENTIAL FOR AGRI-BUSINESS DEVEL.				ADDITIONAL APPRAISAL IN-COUNTRY	EXPLANATORY NOTES:
		INDUST./ DOMEST. USE	IMPORT SUBSTITUTION	EXPORT			
				INTERNAT'	REGIONAL		
A04	RUBBER - NATURAL			X			PRODUCTION CAN BE DOUBLED
A02	COFFEE			X			EXPORTS OF 5700 M.T. 1975 - NOW 630 M.T.
A01	COCOA BEAN			X		X	PRODUCTION DOWN 1/3
H03	COTTON SEED	X	X				PRODUCTION COULD DOUBLE
LB03	ANIMAL OILS		X				4,000 M.T. IMPORTS
D02	COCONUTS			X			PRODUCTION COULD TRIPLE
F16	PINEAPPLE - FRESH	X					EXPANDED EXPTS AND CANNING POSSIBLE - 1975 PROD.-25,300 M.T.;1988-5,000
F06	CITRUS			X			PRODUCTION COULD DOUBLE

COUNTRY NAME: GUINEA - BISSAU

CROP CATEGORY	CROP NAME	POTENTIAL FOR AGRI-BUSINESS DEVEL.				ADDITIONAL APPRAISAL IN-COUNTRY	EXPLANATORY NOTES:
		INDUST./ DOMEST. USE	IMPORT SUBSTI TUTION	EXPORT			
				INTERNAT'	REGIONAL		
A04	RUBBER			X			PRODUCTION THROUGH 1981, NOW 0
004	GROUNDNUTS			X			PRODUCTION INCREASE POTENTIAL
00	PALM NUT AND OIL	X	X	X		X	POSSIBLE INCREASE

COUNTRY NAME: KENYA

CROP CATEGORY	CROP NAME	POTENTIAL FOR AGRI-BUSINESS DEVEL.				ADDITIONAL APPRAISAL IN-COUNTRY	EXPLANATORY NOTES:
		INDUST./ DOMEST. USE	IMPORT SUBSTI TUTION	EXPORT			
				INTERNAT'	REGIONAL		
D09	SUNFLOWER	X	X	X			PRODUCTION CAN BE INCREASED/OFFSET PALM OIL IMPORTS
H03	COTTON	X	X				PRODUCTION 1/3 OF 1980
A11	COCONUTS			X			EXPANSION POTENTIAL
D07	SESAME			X			INCREASED WORLD DEMAND - 2500 M.T. EXPORTS IN 1983
GE	BARLEY	X		X			1979 - 75,000 M.T. NOW 20,000 COULD PRODUCE MALT FOR EXPORT
H07	SISAL			X			EXPANSION POTENTIAL - WORLD DEMAND
A05	PYRETHENE			X			PRODUCTION EXPANSION
D02	COCONUT OIL		X	X			EXPANSION POTENTIAL
LAA06	BUTTER						POTENTIAL OF 2,000 M.T.
LBA01	BEEF - FRESH			X	X		1973 - 4,000 M.T. EXPORTS
LBA04	MEAT - CANNED	X		X	X		6,000 M.T. EXPORTS 1976
F16	PINEAPPLE -FRESH			X			POTENTIAL INCREASE IN PRODUCTION FOR EXPORT
F11	MANGOES			X		X	FRESH EXPORTS
F06	ORANGES AND GRAPEFRUIT			X	X		INCREASE FOR FRESH AND JUICE
T03	CASHEW NUTS			X			CAN TRIPLE PRODUCTION
V10	TOMATOES			X			PRODUCTION 1/3 OF 1982 LEVEL

COUNTRY NAME: LESOTHO

CROP CATEGORY	CROP NAME	POTENTIAL FOR AGRI-BUSINESS DEVEL.				ADDITIONAL APPRAISAL IN-COUNTRY	EXPLANATORY NOTES:
		INDUST./ DOMEST. USE	IMPORT SUBSTITUTION	EXPORT			
				INTERNAT'	REGIONAL		
HS.1	WOOL, GREASY			X			WORLD DEMAND; POTENTIAL INCREASE
K01	PULSES			X			27,00 M.T. PRODUCTION 1976 - 8,000 EXPORTS

COUNTRY NAME: LIBERIA

MITIGATING CONDITIONS - CIVIL WAR / POLITICAL INSTABILITY.

CROP CATEGORY	CROP	POTENTIAL FOR AGRI-BUSINESS DEVEL.				ADDITIONAL APPRAISAL IN-COUNTRY	EXPLANATORY NOTES:
		INDUST./ DOMEST. USE	IMPORT SUBSTITUTION	EXPORT			
				INTERNAT'	REGIONAL		
A01	COCOA BEANS			X		X	CHECK POTENTIAL EXPANSION FOR EXPORT.
FD6.5	ORANGES, FRESH			X		X	SAME.
F16	PINEAPPLE, FRESH			X		X	SAME.
K07	PULSES			X		X	SAME. CHECK VARIETIES AND QUANTITIES.
LBA02	MEAT, BOVINE, FRESH		X				IMPORTS OF 1,100 MT. IN 1988.
LC03	POULTRY MEAT		X				IMPORTS OF 2,200 MT IN 1988.
D11	PALM NUTS			X			PRODUCTION OF 14,000 MT. IN 1975; 8,000 MT IN 1988
T	TREE NUTS			X		X	CHECK DATA FOR VARIETIES AND QUANTITIES.
VD6	ONIONS		X				IMPORTS OF 3,000 MT. IN 1988

COUNTRY NAME: MADAGASCAR

CROP CATEGORY	CROP NAME	POTENTIAL FOR AGRI-BUSINESS DEVEL.				ADDITIONAL APPRAISAL IN-COUNTRY	EXPLANATORY NOTES:
		INDUST./ DOMEST. USE	IMPORT SUBSTI TUTION	EXPORT			
				INTERNAT'	REGIONAL		
A01	COCOA BEANS			X			WORLD DEMAND
A05	PYRETHENE			X		X	PRODUCTION 1979-81
F11	MANGOES			X			INCREASE POTENTIAL
F16	PINEAPPLE			A			INCREASE POTENTIAL
F	ALL OTHER FRUIT INCLUDING			X			INCREASE POTENTIAL
H03	SEED COTTON	X		X			POTENTIAL INCREASE
H07	SISAL			X			31,000 M.T. PRODUCTION IN 1975
K05	BEANS			X			POTENTIAL FOR EXPORT
O03	COTTON SEED OIL	X	X				EXPORTING COTTON SEED AND IMPORTING OIL
P03	GARLIC			X			POTENTIAL EXPORTS
T03	CASHEW NUTS			X		X	EXPANSION POTENTIAL

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COUNTRY NAME: MALAWI

CROP CATEGORY	CROP NAME	POTENTIAL FOR AGRI-BUSINESS DEVEL.				ADDITIONAL APPRAISAL IN-COUNTRY	EXPLANATORY NOTES:
		INDUST./ DOMEST. USE	IMPORT SUBSTI TUTION	EXPORT			
				INTERNAT	REGIONAL		
F06	CITRUS			X		X	POTENTIAL FRESH OR JUICE EXPORTS
G13	SORGHUM	X					
H03	SEED COTTON			X	X	X	
H07	SISAL			X		X	
K01	PULSES			X	X	X	
LS03	ANIMAL OILS	X	X				
P08	PEPPER					X	

COUNTRY NAME: MALI

CROP CATEGORY	CROP NAME	POTENTIAL FOR AGRICULTURE-BUSINESS DEVELOPMENT				ADDITIONAL APPRAISAL IN-COUNTRY	EXPLANATORY NOTES:
		INDUST./ DOMEST. USE	IMPORT SUBSTITUTION	EXPORT			
				INTERNATIONAL	REGIONAL		
F07	DATES		X	X		X	POTENTIAL PRODUCTION
H05	JUTE			X		X	EXPLORE POTENTIAL FOR INCREASES
H8.1	WOOL - GREASY			X			SOME EXPORTS; SHOULD BE POTENTIAL FOR INCREASE
K01	PULSES			X			INCREASE EXPORTS
D07	SESAME SEED			X			
D	OIL CAKES AND OIL		X			X	OILCAKES EXPORTED BEING EXPORTED AND PALM OIL IMPORTED
V06	ONIONS			X	X	X	ONION EXPORTS

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COUNTRY NAME: MAURITANIA

CROP CATEGORY	CROP NAME	POTENTIAL FOR AGRI-BUSINESS DEVEL.				ADDITIONAL APPRAISAL IN-COUNTRY	EXPLANATORY NOTES:
		INDUST./ DOMEST. USE	IMPORT SUBSTITUTION	EXPORT			
				INTERNAT'	REGIONAL		
F07	DATES			X	X		EXPORTS 1970-78
LS03	ANIMAL OILS		X			X	IMPORTS SINCE 1985; 1988 = 2500 M.T.
D04	GROUNDNUTS			X			PRODUCTION DOWN 1/3 SINCE 1978
0010	SOYBEAN OIL	X	X			X	IDENTIFY ALTERNATIVE OILSEED PRODUCTION (NOW IMPORTING 6000 M.T.)
0009	RAPE AND MUSTARD OIL		X			X	CHECK IMPORTS FOR USE
V10	TOMATOES		X				100-200 M.T. IMPORTS
V06	ONIONS		X				1500 M.T. IMPORTS

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COUNTRY NAME: MAURITIUS

CROP CATEGORY	CROP NAME	POTENTIAL FOR AGRI-BUSINESS DEVEL.				ADDITIONAL APPRAISAL IN-COUNTRY	EXPLANATORY NOTES:
		INDUST./ DOMEST. USE	IMPORT SUBSTITUTION	EXPORT			
				INTERNAT'	REGIONAL		
A11	COCONUTS		X	X		X	1970 PRODUCTION - 8,000 M.T.; 1988 - 3,000 AND IMPORTING
F16	PINEAPPLE	X		X			INCREASED PRODUCTION AND EXPORTS
H8.2	WOOL - SCOURED		X			X	IMPORTS AS HIGH AS 3,000 M.T.
K01	PULSES		X			X	7 - 10,000 M.T. IMPORTS
LAA06	BUTTER		X			X	1200 M.T. IMPORTS
LBA01	MEAT - SHEEP		X			X	DECREASED PRODUCTION AND INCREASED IMPORTS
LL02	MEAT - BOVINE - FRESH		X			X	DECREASED PRODUCTION AND INCREASED IMPORTS
V06	ONIONS		X			X	2,000 M.T. IMPORTS

COUNTRY NAME: MOZAMBIQUE

THE FOLLOWING ARE COMMODITIES WHICH WERE EXPORTED AND ARE NOW REDUCED

CROP CATEGORY	CROP NAME	POTENTIAL FOR AGRIC-BUSINESS DEVEL.				ADDITIONAL APPRAISAL IN-COUNTRY	EXPLANATORY NOTES:
		INDUST./ DOMEST. USE	IMPORT SUBSTI TUTION	EXPORT			
				INTERNAT'	REGIONAL		
A08	TEA			X			1980 - 30,000 M.T.; 1988 - 400 M.T.
F04	BANANAS			X			POTENTIAL INCREASES IN EXPORTS. DOMESTIC PRODUCTION IS DOUBLED
F06.6	ORANGES			X			EXPORTS 15,000 M.T. IN 1981; 10,000 IN 1988
F03	SEED COTTON	X		X			138,141 M.T. 1970; 94,000 M.T. 1988
H03	COTTON LINT	X		X			EXPORTS 44,000 M.T. 1970; 3,000 M.T. 1988
H07	SISAL			X			EXPORTS 22,000 M.T. 1970; 500 M.T. 1988
THE FOLLOWING ARE DOMESTIC COMMODITIES PRODUCED AT HIGHER LEVELS PRIOR TO 1975							
A07	SUGAR CANE	X					2,730,000 M.T. 1970; 570,000 M.T. 1988
B6	RICE	X					100,000 M.T. 1970; 55,000 M.T. 1988
	OTHER SUNFLOWER		X			X	REDUCE PALM OIL IMPORTS
K07	PULSES			X			EXPORTS 11,000 M.T. IN 1975; 1500 M.T. 1988
001	CASTOR BEANS			X			EXPORTS 1400 M.T. IN 1976; 0 IN 1988
004.1	GROUNDNUTS			X			EXPORTS 5,000 M.T. IN 1976; 450 IN 1988
007	SESAME SEED			X		X	EXPORTS 1300 M.T. IN 1970; 1988 - NOT AVAILABLE
0F01	COPRA			X			EXPORTS 45,000 M.T. IN 1970; 10,000 M.T. IN 1988
0002	COCONUT OIL			X			EXPORTS 8,000 M.T. IN 1976; 500 M.T. IN 1986
T03	CASHEWS			X			190,000 M.T. PRODUCTION IN 1975; 30,000 1988 NO EXPORTS

COUNTRY NAME: NAMIBIA

CROP CATEGORY	CROP NAME	POTENTIAL FOR AGRI-BUSINESS DEVEL.				ADDITIONAL APPRAISAL IN-COUNTRY	EXPLANATORY NOTES:
		INDUST./ DOMEST. USE	IMPORT SUBSTI TUTION	EXPORT			
				INTERNAT'	REGIONAL		
H08.1	WOOL - GREASY	X		X			PROD. 5,000 M.T. 1978; 2,200 M.T. 1988 YET TOTAL SHEEP INCREASED 4.0
K07	PULSES		X				MILLION TO 6.4 MILLION

COUNTRY NAME: NIGERIA

CROP CATEGORY	CROP NAME	POTENTIAL FOR AGRI-BUSINESS DEVEL.				ADDITIONAL APPRAISAL IN-COUNTRY	EXPLANATORY NOTES:
		INDUST. / DOMEST. USE	IMPORT SUBSTITUTION	EXPORT			
				INTERNAT'	REGIONAL		
A01	COCOA BEANS			X			PRODUCTION 300,000 M.T. 1970; 140,000 M.T. 1988
A09	TOBACCO			X			PRODUCTION REDUCED BY 50%
H03	SEED COTTON	X		X			1977 - 245,000 M.T.; 1988 - 160,000 M.T.
004	GROUNDNUTS			X			1.6 MILLION TONS IN 1970; 720,000 M.T. IN 1988
007	SESAME SEED			X			12,000 M.T. EXPORTS 1970; 1,500 M.T. IN 1988
T03	CASHEWS			X		X	SUBSTANTIAL PRODUCTION BUT NO EXPORTS

COUNTRY NAME: NIGERIA

CROP CATEGORY	CROP NAME	POTENTIAL FOR AGRI-BUSINESS DEVEL.				ADDITIONAL APPRAISAL IN-COUNTRY	EXPLANATORY NOTES:
		INDUST./ DOMEST. USE	IMPORT SUBSTI TUTION	EXPORT			
				INTERNAT'	REGIONAL		
A01	COCOA BEANS			X			PRODUCTION 300,000 M.T. 1970; 140,000 M.T. 1988
A09	TOBACCO			X			PRODUCTION REDUCED BY 50%
H03	SEED COTTON	X		X			1977 - 245,000 M.T.; 1988 - 160,000 M.T.
D04	GROUNDNUTS			X			1.6 MILLION TONS IN 1970; 720,000 M.T. IN 1988
D07	SESAME SEED			X			12,000 M.T. EXPORTS 1970; 1,500 M.T. IN 1988
T03	CASHEWS			X		X	SUBSTANTIAL PRODUCTION BUT NO EXPORTS

COUNTRY NAME: RWANDA

CROP CATEGORY	CROP NAME	POTENTIAL FOR AGRI-BUSINESS DEVEL.				ADDITIONAL APPRAISAL IN-COUNTRY	EXPLANATORY NOTES:
		INDUST./ DOMEST. USE	IMPORT SUBSTITUTION	EXPORT			
				INTERNAT'	REGIONAL		
K03	PEAS			X			POTENTIAL EXPANSION FOR EXPORTS
K05	BEANS			X			POTENTIAL EXPANSION FOR EXPORTS
LP01	PIGS			Y		X	POTENTIAL EXPORTS (1970 - 1976)
008	SOYBEANS	X	X				COULD EXPAND TO OFFSET PALM OIL IMPORTS

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COUNTRY NAME: SAO TOME & PRINCIPE

CROP CATEGORY	CROP NAME	POTENTIAL FOR AGRI-BUSINESS DEVEL.				ADDITIONAL APPRAISAL IN-COUNTRY	EXPLANATORY NOTES:
		INDUST./ DOMEST. USE	IMPORT SUBSTI TUTION	EXPORT			
				INTERNAT'	REGIONAL		
A01	COCOA BEANS			X			1970-10,000 M.T. EXPORTS; 1988 4,000 M.T.
K07	PULSES		X			X	1,000 M.T. IMPORTS - SHOULD BE ABLE TO PRODUCE IN COUNTRY
LP01	PIGS	X				X	PIG PRODUCTION DROPPED FROM 6,800 IN 1976 TO 3,000 IN 1988
O11	PALM NUT KERNELS			X			EXPORTS OF 2,000 M.T. IN 1970; 122 M.T. IN 1988

COUNTRY NAME: SENEGAL

CROP CATEGORY	CROP NAME	POTENTIAL FOR AGRI-BUSINESS DEVEL.				ADDITIONAL APPRAISAL IN-COUNTRY	EXPLANATORY NOTES:
		INDUST./ DOMEST. USE	IMPORT SUBSTI TUTION	EXPORT			
				INTERNAT'	REGIONAL		
F11	MANGOES			X		X	33,000 M.T. OF PRODUCTION - CHECK FOR FRESH EXPORTS
H07	SISAL		X			X	CHECK FOR POTENTIAL PRODUCTION
LAA03	MILK - DRY		Y			Y	SUBSTANTIAL IMPORTS (20,000 M.T.)
LAA06	BUTTER		X			X	SUBSTANTIAL IMPORTS (4,400 M.T.)
LPA01	MEAT OF SWINE			X			EXPORTS COULD BE EXPANDED
LS03	ANIMAL OILS		X			X	10-14,000 M.T. OF IMPORTS
D04.1	GROUNDNUTS		X	X		X	EXPORTS OF 110,000 M.T IN 1976; 1,000 M.T. 1988 COULD ALSO EXPAND PROD. TO OFFSET PALM OIL IMPORTS OF 10,000 M.T. AND SOY BEAN OIL
POB&PO9	PEPPER AND PIMENTO		X			X	600 M.T. OF IMPORTS
V06	ONIONS		X			X	15-19,000 M.T. OF IMPORTS
V07	POTATOES		X				15-18,000 M.T. OF IMPORTS
V10	TOMATOES			X			COULD EXPAND EXPORT PRODUCTION

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COUNTRY NAME: SEHELLES

CROP CATEGORY	CROP NAME	POTENTIAL FOR AGRI-BUSINESS DEVEL.				ADDITIONAL APPRAISAL IN-COUNTRY	EXPLANATORY NOTES:
		INDUST./ DOMEST. USE	IMPORT SUBSTITUTION	EXPORT			
				INTERNAT'	REGIONAL		
A11	COCONUTS			X			EXPAND PRODUCTION
F06	CITRUS	X		X		X	CHECK FOR EXPANSION
F11	MANGOES	X		X		X	CHECK FOR EXPANSION
F16	PINEAPPLE - FRESH	X		X			CHECK FOR EXPANSION
K07	PULSES		X			X	SHOULD BE ABLE TO PRODUCE IN COUNTRY

COUNTRY NAME: SIERRA LEONE

CROP CATEGORY	CROP NAME	POTENTIAL FOR AGRICULTURE-BUSINESS DEVELOPMENT				ADDITIONAL APPRAISAL IN-COUNTRY	EXPLANATORY NOTES:
		INDUST./ DOMEST. USE	IMPORT SUBSTITUTION	EXPORT			
				INTERNATIONAL	REGIONAL		
H11	FIBRE CROPS			X		X	CHECK ON PRODUCTION FOR EXPORT POTENTIAL
K07	PULSES			X			POTENTIAL EXPORTS
V04	GROUNDNUTS			Y		X	CHECK EXPANSION POTENTIAL
D11	PALM NUTS	X	X	X		X	PROD. 1970-67, 000M.T.; 1988-30, 000M.T. COULD OFFSET IMPORTS OF SOYBN OIL
V06	ONIONS		X			X	5,000 M.T. OF IMPORTS

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COUNTRY NAME: SOMALIA
 MITIGATING CONDITIONS - CIVIL WAR

CROP CATEGORY	CROP NAME	POTENTIAL FOR AGRI-BUSINESS DEVEL.				ADDITIONAL APPRAISAL IN-COUNTRY	EXPLANATORY NOTES:
		INDUST./ DOMEST. USE	IMPORT SUBSTI TUTION	EXPORT			
				INTERNAT'	REGIONAL		
A11	COCONUTS			X		X	CHECK EXPANSION POTENTIAL
F04-6	BANANAS AND CITRUS			X		X	POTENTIAL EXPANSION
F07	DATES		X				6,000 M.T. IMPORTS
H03	SEED COTTON			X		X	POSSIBLE INCREASES IN PRODUCTION
K07	PULSES		X			X	9,000 M.T. IMPORTS; CHECK TYPES VARIETIES.
LBA02	MEAT, BOVINE, FRESH			X			POTENTIAL EXPORT EXPANSION.
004	GROUNDNUTS			X		X	PRODUCTION 9,000 MT IN 1970 - 3,000 MT IN 1982
007	SESAME SEED			X		X	NO EXPORTS INDICATED. POTENTIAL FOR EXPORTS VERY GOOD.
000	OILSEEDS		X			X	SUBSTANTIAL IMPORTS OF COCONUT OIL, PALM OIL, RAPE AND SOYBEAN OIL.

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COUNTRY NAME: SUDAN
 MITIGATING CONDITIONS - CIVIL WAR

CROP CATEGORY	CROP NAME	POTENTIAL FOR AGRI-BUSINESS DEVEL.				ADDITIONAL APPRAISAL IN-COUNTRY	EXPLANATORY NOTES:
		INDUST./ DOMEST. USE	IMPORT SUBSTITUTION	EXPORT			
				INTERNAT'	REGIONAL		
FD6.5	ORANGES	X		X			PROD. 1970 - 34,000 MT; 1988 - 15,000 MT.
F07	DATES			X			PROD. 1980 - 150,000 MT ; 1988 - 120,000 MT.
F11	MANGOES			X		X	POTENTIAL FOR PRODUCTION INCREASES AND EXPORTS.
H03	SEED COTTON			X			INCREASES IN PRODUCTION POSSIBLE.
H08.2	WOOL SCOURED	X		X		X	POSSIBLE INCREASES FOR DOMESTIC INDUSTRY AND FOR EXPORTS.
K07	PULSES (ALL KINDS)		X	X		X	IMPORTS OF 25,000 MT IN 1988.
LS03	ANIMAL OILS	X	X				IMPORTS OF 12,000 MT IN 1988.
001	CASTOR BEANS			X			EXPORTS OF 14,000 MT IN 1970; 3,600 MT IN 1988.
004	GROUNDNUTS AND OIL		X	X			EXPORTS 300,000 MT IN 1976; 69,000 MT IN 1988. IMPORTS OF PALM OIL OF 34,000 MT IN 1988.
007	SESAME SEED			X			POTENTIAL INCREASE IN EXPORTS.
V07	POTATOES		X			X	PRODUCTION DOWN BY 80%; IMPORTS UP.

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COUNTRY NAME: SHAZILAND

CROP CATEGORY	CROP NAME	POTENTIAL FOR AGRIB-BUSINESS DEVEL.				ADDITIONAL APPRAISAL IN-COUNTRY	EXPLANATORY NOTES:
		INDUST./ DOMEST. USE	IMPORT SUBSTITUTION	EXPORT			
				INTERNAT	REGIONAL		
F06.5	ORANGES			X			POTENTIAL INCREASES IN PRODUCTION AND EXPORTS.
F16	PINEAPPLE, FRESH			X		X	INCREASE FRESH EXPORTS AND POSSIBLY CANNED.
GF	RICE			X		X	EXPORTS WERE HIGH IN 1970.
H03	SEED COTTON	X				X	CHECK ACTUAL PRODUCTION DATA FOR POTENTIAL INCREASES.
K07	PULSES			X			POTENTIAL EXPANSION FOR EXPORTS.
LBA02	MEAT, BOVINE, FRESH		X			X	SOME IMPORTS COULD BE OFFSET BY IMPROVED PRODUCTION.
LCA01	EGGS		X			X	400 MT OF IMPORTS.
LPA01	PIGS MEAT			X	X		EXPORT POTENTIAL TO SOUTH AFRICA.
V09	SWEET POTATOES	X				X	PRODUCTION DOWN BY 75%.

COUNTRY NAME: TANZANIA

CROP CATEGORY	CROP NAME	POTENTIAL FOR AGRI-BUSINESS DEVEL.				ADDITIONAL APPRAISAL IN-COUNTRY	EXPLANATORY NOTES:
		INDUST./ DOMEST. USE	IMPORT SUBSTI TUTION	EXPORT			
				INTERNAT	REGIONAL		
F04	BANANAS			X		X	POTENTIAL EXPORTS.
F06	CITRUS			X		X	POTENTIAL EXPORTS.
F16	PINEAPPLE; FRESH/CANNED			X		X	CHECK FOR POTENTIAL INCREASES IN EXPORTS.
GE	BARLEY FOR MALT	X	X		X		POTENTIAL IMPORT SUBSTITUTION; ALSO FOR REGIONAL EXPORTS.
H03	SEED COTTON	X		X	X		POTENTIAL INCREASES IN PRODUCTION AND FOR REGIONAL EXPORTS.
H07	SISAL			X			217,000 MT. PRODUCTION IN 1970; 18,000 MT IN 1988
H08.1	WOOL; GREASY	X		X			POTENTIAL INCREASES FOR EXPORTS.
K07	PULSES			X	X		POSSIBLE INCREASES FOR EXPORTS.
LS03	ANIMAL OILS	X	X				IMPORTS OF 20,000 MT IN 1988.
001	CASTOR BEANS			X			1970 PRODUCTION - 13,000 MT; 1988 - 5,000 MT.
007	SESAME SEED			X		X	CHECK FOR EXPANDED EXPORTS.
009	SUNFLOWER SEED	X	X				POTENTIAL INCREASES TO OFFSET IMPORTS OF PALM AND SOYBEAN OIL.
T03	CASHEWS			X			PRODUCTION OF 100,000 MT IN 1970; 25,000 MT IN 1988.
V07	POTATOES				X	X	POTENTIAL INCREASES FOR REGIONAL EXPORTS.

COUNTRY NAME: TOGO

CROP CATEGORY	CROP NAME	POTENTIAL FOR AGRI-BUSINESS DEVEL.				ADDITIONAL APPRAISAL IN-COUNTRY	EXPLANATORY NOTES:
		INDUST./ DOMEST. USE	IMPORT SUBSTI TUTION	EXPORT			
				INTERNAT'	REGIONAL		
A01	COCOA BEANS			X			EXPORTS OF 30,000 MT. IN 1970; 8,600 MT. IN 1988.
A11	COCONUTS			X		X	POTENTIAL 25% INCREASE IN PRODUCTION; POSSIBLE EXPORTS.
K07	PULSES			X		X	POTENTIAL EXPANSION FOR EXPORTS.
LB05	MEAT, FRESH, CH., FROZEN		X				18,000 MT. OF IMPORTS IN 1988
LC03	POULTRY MEAT		X				13,000 MT. OF IMPORTS IN 1988.
004	GROUNDNUTS			X		X	CHECK ON POTENTIAL INCREASES.
007	SESAME SEED			X		X	CHECK ON EXPORT DATA.
0007	PALM OIL		X				POSSIBLE OFFSET OF GROUNDNUT AND SOYBEAN OIL IMPORTS.
V06	ONIONS		X			X	ONION IMPORTS; CHECK PRODUCTION POTENTIAL.

COUNTRY NAME: UGANDA
 MITIGATING CONDITIONS - RECENT END OF CIVIL WAR; INSTABILITY.

CROP CATEGORY	CROP NAME	POTENTIAL FOR AGRICULTURE-BUSINESS DEVEL.				ADDITIONAL APPRAISAL IN-COUNTRY	EXPLANATORY NOTES:
		INDUST./ DOMEST. USE	IMPORT SUBSTITUTION	EXPORT			
				INTERNAT'	REGIONAL		
A01	COCOA BEANS			X		X	POTENTIAL INCREASES SHOULD BE CHECKED
A07	SUGAR CANE		X				POTENTIAL OFFSET OF IMPORTS
A08	TEA			X			POTENTIAL INCREASE IN EXPORTS.
F04	BANANAS			X		X	CHECK POTENTIAL EXPORTS. TRANSPORT AND TRANSPORT COSTS MAY BE A PROBLE
H03	SEED COTTON			X			PRODUCTION IN 1970 - 280,000 MT.; 1988 - 18,000 MT.
H07	SISAL			X		X	CHECK POTENTIAL FOR PRODUCTION AND FOR EXPORTS.
LS03	ANIMAL OILS		X			X	IMPORTS IN 1988 - 9,000 MT.
004	GROUNDNUTS			X			COULD DOUBLE PRODUCTION.
007	SESAME SEED			X		X	CHECK FOR EXPORT POTENTIAL. SOME COMPETITION WITH KENYA PROBABLE.
000	VEGETABLE OILS					X	NO DATA AVAILABLE.
V07	POTATOES	X					PRODUCTION INCREASES POSSIBLE; EXPORTS TO SUDAN OVER THE SHORT TERM.

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COUNTRY NAME: ZAIRE

CROP CATEGORY	CROP	POTENTIAL FOR AGRI-BUSINESS DEVEL.				ADDITIONAL APPRAISAL IN-COUNTRY	EXPLANATORY NOTES:
		INDUST./ DOMEST. USE	IMPORT SUBSTITUTION	EXPORT			
				INTERNAT'	REGIONAL		
A01	COCOA BEANS			X			POTENTIAL PRODUCTION INCREASES FOR EXPORT.
A04	RUBBER			X			SAME AS ABOVE.
F03	AVACADOES			X		X	POTENTIAL FRESH EXPORTS TO EUROPE.
F11	MANGOES			X		X	POTENTIAL FRESH EXPORTS TO EUROPE.
F16	PINEAPPLE			X		X	POTENTIAL FRESH AND CANNED EXPORTS.
BE	BARLEY		X				BARLEY FOR MALT PRODUCTION; IMPORTS OF MALT 40,000 MT. IN 1988.
H03	SEED COTTON			X			POTENTIAL INCREASES AND EXPORTS.
H05	JUTE			X		X	CHECK ACTUAL PRODUCTION DATA.
H07	SISAL			X		X	CHECK ACTUAL PRODUCTION DATA.
K07	PULSES			X		X	POTENTIAL EXPORTS TO EEC AND N AMERICA; CHECK VARIETIES, QUANTITY, COST
LBA02	MEAT, BOVINE, FRESH,		X			X	IMPORTS OF 8 - 30,000 MT. LOW CATTLE POPULATION NEEDS TO BE CHECKED.
	MEAT, FRESH, CH., FROZEN						
	AND POULTRY MEAT.						
007	SESAME SEED			X			CHECK EXPORT DATA.
011	PALM NUTS			X	X		PRODUCTION OF 95,000 MT. IN 1970; 70,000 MT. IN 1988.
V06	ONIONS		X			X	IMPORTS OF 4 - 5,000 MT.

COUNTRY NAME: ZAMBIA

CROP CATEGORY	CROP	POTENTIAL FOR AGRI-BUSINESS DEVEL.				ADDITIONAL APPRAISAL IN-COUNTRY	EXPLANATORY NOTES:
		INDUST./ DOMEST. USE	IMPORT SUBSTI TUTION	EXPORT			
				INTERNAT'	REGIONAL		
A02	COFFEE			X	X	X	POTENTIAL EXPORTS TO SOUTH AFRICA.
A07	SUGAR				X		POTENTIAL EXPORTS TO ZAIRE.
F04	BANANAS		X		X		POTENTIAL PRODUCTION INCREASES AND REGIONAL EXPORTS.
F06	CITRUS				X	X	POTENTIAL REGIONAL EXPORTS.
BE	BARLEY	X	X			X	BARLEY FOR MALT PRODUCTION AND TO OFFSET MALT IMPORTS.
004	GROUNDNUTS			X		X	PRODUCT. OF 128,000 MT. 1976; 33,000 MT. -1988 (CHECK FOR BORDER LEAKAGE)
009	SUNFLOWER SEED		X				PRODUCTION INCREASES TO OFFSET SOYBEAN OIL IMPORTS.

COUNTRY NAME: ZIMBABWE

CROP CATEGORY	CROP	POTENTIAL FOR AGRIBUSINESS DEVEL.				ADDITIONAL APPRAISAL IN-COUNTRY	EXPLANATORY NOTES:
		INDUST./ DOMEST. USE	IMPORT SUBSTITUTION	EXPORT			
				INTERNAT	REGIONAL		
F01	APPLES				X	X	CHECK POSSIBLE EXPANSION OF PRODUCTION AND EXPORTS WITHIN REGION.
F06	CITRUS			X	X	X	POTENTIAL EXPORT INCREASES.
F09	GRAPES			X	X		POTENTIAL TABLE GRAPE EXPORTS IN REGION AND POSSIBLY TO EEC.
K07	PULSES			X	X		POTENTIAL EXPORTS TO EEC AND N. AMERICA. ALSO REGIONAL.
LBA02	MEAT, FRESH, BOVINE				X		EXPORTS 58,000 MT. 1977; 9,000 MT 1988; CHECK DISEASE/BORDER PROBLEMS
LPA02	BACON AND HAM			X	X		EXPORTS 500 MT IN 1970; 48 MT. IN 1988.
LS03	ANIMAL OILS	X	X				IMPORTS OF 19,000 MT. IN 1988.
VO7	POTATOES				X		POTENTIAL EXPORT INCREASES WITH IN THE REGION.

3

ANNEX 5

**African Agricultural Commodity Database:
Installation and Setup
(With four diskettes)**

AFRICAN AGRICULTURAL COMMODITY DATABASE

INSTALLATION AND SETUP

1. Copy files from all diskettes into a single subdirectory on a hard disk. This will require slightly more than 4.7 megabytes of disk space.
2. Ensure that the Foxbase+ main program files are located in a subdirectory that is listed in the systems path command.
3. Ensure that the CONFIG.FX file in the Foxbase+ main program file subdirectory contains the following statements:

```
MVARSIZE=30  
MVCOUNT=1024
```

It is acceptable if these values are greater. If the CONFIG.FX file does not exist in the Foxbase+ main program file subdirectory, copy the CONFIG.FX file provided in disk 1 of this package into the Foxbase+ main program file subdirectory.

4. Set the current directory to the subdirectory into which you copied the African Agricultural Commodity Database files.
5. Type "AFCOMMODO" and hit enter. The program will begin.
6. Repeat steps 4 and 5 to restart the program in the future.