

VOLUME 6

SECTION 6

AGRICULTURE

**The Responsibility of the
Ministry of Agriculture**

**Hope Gardens
Hope Road
Kingston 6**

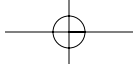
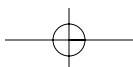
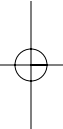
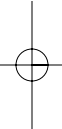


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CHAPTER I

AGRICULTURAL SERVICES OFFERED BY THE MINISTRY OF AGRICULTURE

I.0 BACKGROUND

The Ministry of Agriculture recognises that the agricultural sector is central to Jamaica's economy and the lives of its people. The sector accounted for 5.5 % of total real GDP in 2004 and directly employed approximately 19% of the total employed labour force in that year and accounts for over one tenth of all merchandise exported.

The challenge facing the sector is how to increase efficiency, productivity and competitiveness in order that planned contribution to GDP will be realised. The main drawbacks to the sector are the level of reliance on imports, use of inappropriate technologies, high cost of capital and inadequate research and development. The Ministry of Agriculture is seeking to address these and other problems through a programme geared towards the transformation of the sector. This transformation includes the provision of institutional and other support framework for the development of a viable agricultural sector, improvements in the production and marketing of agricultural produce, the adoption of appropriate technologies and promotion of agro-industrial development.

I.1 MISSION STATEMENT

The mission of the Ministry of Agriculture is to advance the development of a technologically modern, efficient and competitive agricultural sector which promotes national food security, export expansion and the growth of agro industries.

I.2 OBJECTIVES

The objectives of the Ministry of Agriculture are as follows:

- i to increase and sustain the contribution of agriculture to the general economic growth and development of the country;
- ii to increase efficiency, productivity and competitiveness in order to:
 - make a substantial contribution to meeting the food and national requirements of the population;

- reduce reliance on food imports through greater domestic food production;
 - expand exports of agricultural commodities in order to maximise foreign exchange earnings;
 - encourage and promote agro-industrial development.
- iii to improve the quality of rural life by increasing farm incomes and by expanding rural infrastructure and services;
- iv to reduce unemployment, underemployment and reduce rural urban migration by creating increased employment opportunities in agriculture and related activities;
- v to foster the development of appropriate technology through research and development and ensure the transfer of this technology to farmers;
- vi to stem environmental degradation in general and in critical watershed areas in particular.

I.3 SERVICES PROVIDED BY THE MINISTRY OF AGRICULTURE

The Ministry provides agricultural services to its stakeholders through the following Divisions:

- i Planning, Policy and Development Division which encompasses
 - Economic Planning Division
 - Data Bank and Evaluation Division
 - Rural Physical Planning Division
- ii Marketing and Credit Division
- iii Research and Development Division
- iv Veterinary Services Division
- v Fisheries Division
- vi Forestry Department
- vii Rural Agricultural Development Authority

CHAPTER 2

PLANNING, POLICY AND DEVELOPMENT

2.0 PLANNING, POLICY AND DEVELOPMENT DIVISION

The major purpose of the Planning Policy and Development Division is to provide information on a continuing basis to assist the Ministry in formulating agricultural policy within the ambit of overall national development policy and to play a leading role in all aspects of agricultural development planning. The Division has responsibility for directing and supervising the work of the Economic Planning, Data Bank & Evaluation and Rural Physical Planning Divisions and International Trade Unit.

2.1 ECONOMIC PLANNING DIVISION

The Economic Planning Division is responsible for the performance of the agricultural sector through the formulation of policies, economic plans, programmes and projects within the national plan.

2.1.1 Services Offered

The Economic Planning Division provides the following services:

- Cost of production data – which is updated annually for the non - traditional domestic crops. This data is available to farmers and the public free of charge.
- Production of farm models for different agricultural enterprises. These models use financial analyses to indicate profitability and viability of farm enterprises.
- Technical advice on government policies and plans for the agricultural sector.

Selected information provided by the Division can be accessed from the Ministry 's website, Ministry of Agriculture Library and all RADA parish Offices.

For further information about this division please contact:

Contact Person: Director – Economic Planning Division
Address: Ministry of Agriculture, Hope Gardens, Kingston 6
Telephone/ Fax: (876)-927- 2095
Email: planning@moa.gov.jm
Website: www.moa.gov.jm

2.2 DATA BANK AND EVALUATION DIVISION

The Data Bank and Evaluation Division is responsible for providing the Ministry of Agriculture, agricultural commodity associations, other agricultural and allied bodies, farmers and international agencies with a statistical service by the timely collection, storage, evaluation, retrieval and dissemination of agricultural data and information.

2.2.1 Services Offered by the Data Bank Division

The Division provides the public with access to all aspects of statistical data on the Jamaican agriculture sector. These data are available in various publications, which are available at a nominal fee. Specialised searches and reports from the Division's computerised databases are made on request. The data is made available free of charge with the exception of publications mentioned above and computerised database searches. *The public can make requests directly to the Division for specific data. Selected reports on farm gate prices, acreage in production etc. are posted on the Ministry's website.*

For further information on this division please contact::

Contact Person: Director – Data Bank & Evaluation Division
Address: Ministry of Agriculture, Hope Gardens
Telephone: (876)-9271731 – 9 Fax: (876)-977-1875
Email: dbed@moa.gov.jm
Website: www.moa.gov.jm

2.3 RURAL PHYSICAL PLANNING

The Rural Physical Planning Division (RPPD) of the Ministry of Agriculture is responsible for undertaking and maintaining a comprehensive inventory and evaluation of the country's soils and land use resources. They are used in the agricultural and related sectors to foster agricultural and rural development in

accordance with the Government's policy on land use development.

The activities carried out by the Division are as follows:

- i Planning and execution of local, regional and national soils and land use surveys.
- ii Collection and analysis of data for land evaluation.
- iii Giving advice on land use proposals and recommending lands for agricultural and non-agricultural purposes.
- iv Providing advice on soil fertility management.
- v Giving advice on and making recommendations for land use and cropping practices.
- vi Preparation of Rural Development Plans

The RPPD currently consists of two Regional Rural Physical Planning Units and one Soil Survey and Land Classification Unit

2.3.1 Regional Rural Physical Planning Unit

Much of the work of the planning units involves physical resource inventory surveys, studies of specific agricultural land utilisation and soil fertility management.

2.3.2 Soil Survey and Land Classification Unit

This unit, which includes a Cartographic section, offers a modern soil survey service to the public that provides comprehensive information on soil resources and their potential for crop production from soil and land use surveys. The unit also develops crop suitability classifications, conducts land evaluation research and provides advisory service to farmers. The Cartographic section prepares maps and charts from data gathered through aerial photographs and satellite imagery interpretation and fieldwork.

An integral part of the Soil Survey Unit is the Soil, Water and Plant Tissue Laboratory where analyses are carried out on soil, water, plant tissue and other samples.

2.3.3 Services offered by the Division

The Rural Physical Planning Division (RPPD) offers the following services/products which are vital to proper rural/agricultural development, decision-making, planning and implementation:

Soil Analyses

Soil Analyses are carried out for the following:

- Nitrogen, Potassium, Phosphorus, Calcium and Magnesium.
- Electrical Conductivity (E.C)
- Cation Exchange Capacity (C.E.C.)
- Trace Elements (Mn, Fe, Zn, and Cu)
- Exchangeable Bases (Ca, Mg, K, and Na)
- Bulk Density, Hydraulic Conductivity
- Lime requirements (CaCO₃)
- Organic Matter (OM), Moisture (%)
- Particle Density
- Anion - Cl⁻, SO₄⁻², NO₃⁻ etc.
- Particles size distribution
- Exchangeable Aluminium
- Exchangeable Acidity
- pH and pF

Plant Analyses

Plant analyses are carried out for the following:

- Nitrogen, Potassium, Phosphorus, Calcium, and Magnesium.
- Trace Elements (Mn, Fe, Zn, and Cu)

Water Analyses

Water analysis is carried out for the following:

- Sodium, Chlorine, Total Solids, Electrical Conductivity (EC) and pH

Advisory Services

The RPPU also offers advisory services in the following areas:

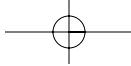
- Soil Fertility Assessment, crop and fertilizer recommendations
- Land Capability Classifications
- Land Evaluation of Properties for agricultural and other development
- Land Development plan for Agricultural ventures
- Guidelines for Sub-division of properties/farms for agricultural and other uses.
- Recommendations on land use for residential, agricultural and other purposes to the National Environment and Planning Agency (NEPA).

Information available at RPPD

The Division produces information in the form of maps (at various scales), tables and reports relating to specific locations or project areas as listed below:

- Infrastructure
- Hydrology
- Location
- Topography
- Soils
- Soil Erosion hazard
- Land Cover/Land Use
- Agro-climatic data
- Physiography

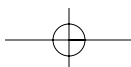
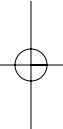
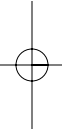
This service is available to farmers, researchers, planners, students and international agencies. A fee is charged for processing and reproduction of information requested. Information may be requested directly from RPPD in writing, via e-mail, telephone or by walk-in-clients. Requests for soil and land use maps, soil testing etc., can also be made through the Rural Agricultural Development Authority (RADA) Parish Offices, Extension Officers, Research and Development Division of the Ministry of Agriculture and the Jamaica Agricultural Society. A price list for the services offered by the RPPU is attached at Appendix I.



For further information please contact:

Contact Person: Director – Rural Physical Planning
Address: Rural Physical Planning Division
191 Old Hope Road
Kingston 6, Jamaica, WI

Telephone: (876) 927-0441, (876)-927-0439
Fax: (876) 977-0326
Email: rppd@moa.gov.jm



CHAPTER 3

MARKETING AND CREDIT

3.0 MARKETING AND CREDIT DIVISION

The role of the Marketing and Credit Division is to provide the relevant regulatory and support systems to facilitate the marketing of agricultural food products and consequently introduce improvement in the marketing system. The objectives of the Division are as follows:

- i to provide all relevant information and support to producers and organisations on the marketing of agricultural produce both locally and for export;
- ii to monitor Commodity Boards, agricultural co-operatives and generate information;
- iii review, formulate and implement policies effectively;
- iv to carry out agricultural Marketing related research studies, develop and review existing agricultural food standards; and
- v to provide Plant Quarantine and Produce Inspection Services for agricultural produce entering and leaving the island.

The Division's main units include:

- i Marketing, Research and Standards Development
- ii Plant Quarantine/Produce Inspection Unit (PQ/PI)
- iii Commodity Monitoring and Policy

3.1 MARKETING, RESEARCH AND STANDARDS DEVELOPMENT

This unit has responsibility for:

- i Carrying out relevant marketing research studies.
- ii Developing standards for agriculture produce.
- iii Processing applications for concessionary duty on raw materials

for approved farmer status or livestock and for some administrative aspects of Plant Quarantine/Produce Inspection.

3.2 PLANT QUARANTINE/PRODUCE INSPECTION UNIT (PQ/PI)

The Plant Quarantine/Produce Inspection Unit (PQ/PI) has the following mandate:

- i To ensure that plants, plant parts, fruits and vegetables entering and leaving the island are free from pests and diseases.
- ii To ensure that exotic plant pests and diseases do not enter and become established in the island.
- iii To ensure that the quality standards approved by the Ministry for produce to be exported are maintained.

Main Requirements for Importation

The following are the main requirements to import agricultural produce:

- i Importers must obtain permits for the importation of agricultural produce.
- ii All shipments of agricultural produce entering the country must be inspected by PQ/PI
- iii Incoming passenger baggage with agricultural matter must be submitted for inspection for the presence of prohibited material.

Export Requirements

The following are the requirements for exporters of agricultural material:

- i Exporters must have a certified packing house.
- ii Exporters must be registered by JAMPRO.
- iii All exports must be inspected and certified by the PQ/PI.
- iv Exports must be properly prepared and packaged.

Agricultural Exports - General Information

The following are general guidelines for exporters:

- i Produce must be packed in properly labeled, clean, unused boxes or bags.
- ii Each package (box or bag) must be clearly labelled with the following information:
 - Name and address of exporter
 - Name of produce
 - Weight
 - Boxes must be standard for the produce packed therein. There are standard boxes for produce such as peppers, thyme, yam, dasheen, callaloo, papaya, and oranges.
 - For oranges, the packing house must have equipment for washing, sizing and grading.
 - All produce for export must be inspected and certified by inspectors of the Plant Quarantine/ Produce Inspection Unit of the Ministry of Agriculture.
 - Appointments for inspection must be made at least **24 hours** prior to the time of inspection.
 - All air shipments must be inspected at the Export Complexes located at the Norman Manley International Airport in Kingston (**Telephone No.: 924-8906**) or at the Sangster International Airport in Montego Bay (**Telephone No.: 940-4146**).
 - All produce should be packed at a registered Packing House.

Application to register a packing house should be made in writing to the Plant Quarantine/Produce Inspection Unit, Hope Road

One Stop Agricultural Services at the Norman Manley and Sangster International Airports

The Plant Quarantine/Produce Inspection Unit operates one-stop agricultural Export Facilities at the Norman Manley and Sangster International Airports. The services offered at these facilities are as follows:

- issuing of permits for the importation of agricultural produce;
- export and Import inspection and certification of agricultural produce;
- inspection and certification of packaging houses for the preparation of shipments for export;
- storage facilities at the Export Complex in Kingston;
- fumigation of yams, thyme and peppers for export; and
- USDA Pre-clearance Inspection

Of the services listed above, the issuing of import permits, the inspection of imports and the inspection and certification of packing houses are provided free of charge at the present time. All other services are provided at a cost. Apply directly to the Plant Quarantine/ Plant Inspection Unit of the Ministry of Agriculture for import permits and the Export Complexes in Montego Bay and Norman Manley International Airport for fumigation, inspection, pre-clearance and storage services. The cost of these services is at Appendix 4.

3.3 SERVICES OFFERED BY THE MARKETING AND CREDIT DIVISION

Farmers and other individuals involved in Agro-Business are offered incentives which may be accessed through the Marketing and Credit Division. These incentives are as follows:

3.3.1 Raw Material Duty Concession

Agro-industries are granted an exemption from payment of the Common External Tariff (CET) and also the additional stamp duty on their raw material imports. The raw material schedule is listed in the General Consumption Act 1997 (Act 110). The clause governing this incentive is listed in Section 39 sub-section (A) and (B). Since late 1997 there has been an increase in the cost of imported refined sugar due to an imposition of additional stamp duty and the Common External Tariff (CET). As a result certain manufacturers are beneficiaries of stamp duty waivers under the raw material schedule. Manufacturers who use traders to import sugar on their behalf, are also eligible for the waiver of additional stamp duty.

3.3.2 Procedure to Obtain Waiver of Duty on Raw Material

Agro-industries must apply in writing to the Ministry of Agriculture, Marketing and Credit Division, Hope Gardens, Kingston 6 stating the following:

- The name of the company making the request.
- A clear definition of the item to be imported.
- The quantity in exact weight either in kilograms or metric tonnes.
- That the item is to be used as a raw material and also that the raw material duty rate is being requested.

3.3.3 Remission of Duties on Agricultural Vehicles

The Government of Jamaica offers twenty percent (20%) concessionary duty rates to farmers/farming enterprises that can prove to the Ministry of Agriculture that they are importing a vehicle which is complementary to their farming activities. The beneficiaries of the concession pay only twenty percent (20%) duty to import the vehicle.

Vehicles regarded as farm vehicles and eligible for the concessionary duty rate are:

- Panel vans and pick-ups not exceeding two (2) tons
- Trucks exceeding two (2) tons
- Tractor heads and tractors

3.3.4 Procedure to Obtain a Twenty Percent (20%) Duty Concession on Farm Vehicles

- i Applicants must complete an application form. This form can be obtained from the Rural Agricultural Development Authority (RADA) parish office, in the parish where the farm/farming enterprise is located. (Sample form is at Appendix 2)
- ii Supporting documents such as land title, land property tax receipt, proof of sale of land, rent or lease papers should be attached to the application form. If the land is leased, the lessor should show proof of ownership.

- iii The application form should be submitted to the RADA Parish office in the respective parish for verification. Subsequently, the Parish Manager sends it through the prescribed channel to the RADA Head Office for further checking before it is forwarded to the Marketing and Credit Division of the Ministry of Agriculture.
- iv The Ministry of Agriculture does the final processing of these applications in conjunction with the Ministry of Finance and Planning. The Ministry of Agriculture will inform the applicant/RADA office of the final decision.
- v Applicants who receive the twenty percent (20%) duty concession to purchase farm vehicles will be required to pay the full duty if these vehicles are sold within three (3) years of the date of importation of the vehicles. This privilege cannot be used for non-farming activities.
- vi If the concession is not utilised within one (1) year, that is, before the expired date, the applicant is required to re-apply.
- vii The pro forma invoice for the vehicle which the applicant wishes to purchase should be attached to the application form.

3.3.5 INCOME TAX RELIEF FOR APPROVED FARMERS

Section 36(d) of the Income Tax Act 21 of 1982 was enacted for the purpose of encouraging agricultural production by granting income tax relief to any person engaging or proposing to engage in a prescribed agricultural activity. A “prescribed” agricultural activity is an activity which the Minister of Finance prescribes by Order in the Jamaica Gazette. The following agricultural activities have been prescribed:

- i The growing of food crops
- ii Seed growing
- iii The growing of trees for the purpose of producing timber
- iv The growing of tobacco
- v Horticulture
- vi Fishing and fish farming
- vii The breeding of beef cattle, dairy cattle, sheep, goats and pigs
- viii The production of fertile eggs for hatching
- ix The production of table eggs
- x Apiculture

xi The breeding of horses

Cattle farmers and horse breeders must assure the Revenue Board of their intent to increase their herd by at least ten percent (10%) over a five (5) year period before the relief can be granted.

3.3.6 Procedure for Obtaining Income Tax Relief/Approved Farmer Status

- i An application form should be obtained from the Rural Agricultural Development Authority (RADA) parish office which services the parish in which the farming activity is located.
- ii The application should be completed in duplicate and submitted to the nearest RADA office where it is processed. The accuracy of the information is verified by the Parish Manager and the Chairman. (Sample form is at Appendix 3)
- iii The form is subsequently sent to the Director, Marketing and Credit Division of the Ministry of Agriculture, Hope Gardens, Kingston 6 where further processing, verification and concurrence take place.
- iv The Ministry of Agriculture recommends to the Ministry of Finance and Planning through the Revenue Board those applications which qualify for income tax relief from profits derived from the prescribed agricultural activity in which these enterprises are engaged.
- v The Minister of Finance designates a person to be an “Approved Farmer” subject to such terms and conditions as the Minister sees fit.
- vi The name of the farming enterprise or farmer is then gazetted in the Jamaica Gazette and after which the farmer officially becomes an “approved farmer” to be relieved from income tax for a period of ten (10) years, effective from the year of assessment stipulated in the Jamaica Gazette. (Sample form is at Appendix 4)

3.3.7 Remission of Duties on Agricultural Equipment, Machinery and Products

Farmers/farming enterprises are exempt from paying General Consumption Tax (GCT) on certain items which are listed as exempted or zero rated

under the General Consumption Tax Act. There is also an exemption or significant reduction of import duties on certain items that are listed under the Provisional Collection of Tax Act. This is applicable mainly to the livestock, poultry and dairy industries respectively. (Sample form at Appendix 4)

3.3.8 Procedure to Obtain Waiver of Duties on Machinery, Equipment and Other Farm Inputs

- i The applicant should visit the Rural Agricultural Development Authority (RADA) office or contact the Area Extension Officer and make a request in writing.
- ii The Parish Manager should submit a letter of recommendation to the Ministry of Agriculture after carrying out investigations and is satisfied that the items will be used for farming.
- iii If the item is exempted under the General Consumption Tax Act (GCT) and the Provisional Collection of Tax Act, a letter will be prepared at the Ministry in the Marketing and Credit Division based on the recommendation of the Parish Manager. The letter is addressed to the Commissioner of Customs verifying that the item/items being imported will be used for agricultural purposes.
- iv If the item is not exempted under the Act, a letter is prepared and sent to the Ministry of Finance and Planning recommending approval of the waiver of duties.

Contact Information for the Marketing and Credit Division is as follows:

Contact Person: Director, Marketing and Credit Division
Address: Ministry of Agriculture, Hope Gardens
Telephone: (876) 927-1731-50, Ext. 2204, 2205

Contact information for the Plant Quarantine/Plant Inspection Unit is as follows:

Contact Person: Chief Plant Quarantine Officer
Address: Plant Quarantine Head Office, Hope Road
Telephone: (876)-977-0637
Email: ppq@moa.gov.jm

Complex Manager - Norman Manley International Airport
Telephone: (876) 924-8736
Fax: (876) 924-8742

Complex Manager – Sangster International Airport
Tel: (876) 940-4146
Fax: (876) 940-5661

CHAPTER 4

RESEARCH AND DEVELOPMENT

4.0 RESEARCH AND DEVELOPMENT DIVISION

The objective of the Research and Development Division is to generate cost-effective technology for improvement of agricultural production. The Division operates four sub-programmes, namely: Livestock Research and Improvement; Crop Research and Development; Plant Protection and Post Entry Quarantine, with a view to applying modern technology to increase production and productivity. A new thrust in Research and Development (R&D) has led to collaboration with international and regional entities involved in agricultural research. This is to effect greater efficiency and global competitiveness. In carrying out its Research activities the Division collaborates with other agencies such as CARDI, RADA and the Jamaica Livestock Association (JLA).

4.1 SERVICES PROVIDED

4.1.1 Crop Research

The services provided by this unit are:

- Provision of agronomic and technical information on various crops by seminars and publications, field day trainings and individual farm visits.
- Provision of planting materials to farmers and related organisations involved in crop production.
- Provision of in-service training to students eg. (University of the West Indies (UWI), College of Agriculture (CASE) and high schools).
- Provision of technical information to extension officers.

4.1.2 Plant Protection

The services provided by this unit are:

- Pest identification
- Diagnosis of plant health problems
- Advice on plant protection matters
- Provision of technical information by way of seminars, publications, field days and individual farm visits
- Provision of technical information to extension officers; and
- Provision of in-service training to students eg. (UWI, CASE, high schools).

4.1.3 Apiculture

The apiculture unit provides the following services:

- i Regulatory
 - Apiary Inspection
 - Apiary Registration
 - Exotic Bee Pest Control
 - Diagnostics for diseased spores
- ii Extension
 - Provision of technical information through seminars, publications, field days and individual farm visits.
- iii Provision of in-service training to students (UWI, CASE, high schools)

4.1.4 Post Entry Quarantine

Services provided include:

- Diagnosis of virus/virus-like infections in plants (citrus)
- Maintenance of disease free citrus germplasm

- Production of certified budwood for citrus (a fee is charged, which varies depending on the particular test.)
- Provision of in-service training to students eg. (University of the West Indies (UWI), College of Agriculture (CASE), high schools)

4.1.5 Livestock Research

Provision of technical and advisory service in the following areas as indicated below:

- i Development and production of brochures and manuals to inform and educate farmers and the public on livestock care and management.
- ii Dissemination of beneficial research findings through field days, seminars, livestock appraisals and workshops.
- iii Technical input into planning and staging of parish and national livestock shows

4.1.6 Animal Breeding and Genetics

Services provided include:

- i Validation of the genetic merit of bulls through the provision of sire proofs.
- ii Provision of improved breeding stock.
- iii Provision of sire services for the dissemination of improved genetics.
- iv Provision of breeding advisory services.
- v Provision of bred does under Goat Commercialisation Project.
- vi Development and maintenance of Cattle and Goat Breeders Societies Herd Books to establish and manipulate the genealogy of these breeds aimed at their further genetic improvement to satisfy national requirements for meat and milk.

4.1.7 Animal Nutrition and Feed Evaluation

Services provided include:

- i Feeds evaluation and ration formulation
- ii Pasture agronomy and forage evaluation.
- iii Optimal use of supplementary feeds based on an ever-increasing component of indigenous ingredients.

4.1.8 Animal Production Systems Research

Services provided include:

- i Development and adoption of weaning systems for pigs, goats and dairy cattle.
- ii Development of fodder management systems to optimally exploit the productive potential of livestock species.
- iii Development and adoption of appropriate husbandry systems for pigs, goat and cattle aimed at manipulating the environment for optimal production.
- iv Development of animal breeding models to improve and expand the genetic potential of pigs, goat, dairy and beef cattle.

The Services provided can be accessed via farm visit by officers, telephone calls and office visits from farmers to the Division.

Contact: Director – Research and Development Division
Address : Bodles Research Station, Old Harbour St. Catherine
Telephone: (867) 983-2842-3
Fax: (876) 983-2822
Email: Bodlesresearch@moa.gov.jm

CHAPTER 5

VETERINARY SERVICES

5.0 THE VETERINARY SERVICES DIVISION

The Veterinary Services Division oversees national health, animal status and welfare through its various services offered island wide. The Division operates a Diagnostic Laboratory service for the protection of the livestock industry. It certifies the health of animals and is involved in the import/export inspection of live animals, meats and meat products. The division also offers artificial insemination services for cattle, pigs and goats. The Ministry has revamped the Artificial Insemination Service (AIS) with the acquisition of a Liquid Nitrogen Plant for the safe storage of semen.

5.1 SERVICES OFFERED BY THE VETERINARY DIVISION

The division offers the following services:

- i Diagnostic Laboratory Services in:
 - Microbiology
 - Parasitology
 - Virology
 - Leptospirosis testing
 - Serology
 - Pathology
 - Meat Residues (Antibiotics, Pesticides)

These activities are aimed at the improvement of both animal and public health.

- ii Health Certification of:
 - Live animals
 - Meat, Fish and products of fish
 - Meat Processing and Dairy Plants

This activity is aimed at increasing food safety and enhancing international trade through compliance with acceptable

international standards.

iii Embryo Transfer and Artificial Insemination for:

- Bovine
- Pigs
- Goats

These activities are aimed at enhancing increased production and productivity of the local livestock population so as to increase food security and enhance trade in animals and products of animal origin.

iv Inspection of Live Animals, Meat and Meat Products at Ports of Entry:

- Airports
- Seaports

These inspections are aimed at enhancing food safety and the protection of the local and animal population from devastating exotic animal diseases.

For further information please contact:

Contact Person: Director, Veterinary Services Division
Address: 193 Old Hope Road, Kingston 6
Telephone: 927-0924, 977-2492, 977-2489
Fax: (876) 977-7950

CHAPTER 6

FISHERIES MANAGEMENT AND DEVELOPMENT

6.0 FISHERIES DIVISION

The Fisheries Division operates under the Fishing Industry and is responsible for the conservation and sustainable utilisation of the Jamaican Fisheries resources in a manner that ensures optimum social and economic benefits to Jamaica. This is achieved through proper fisheries management involving research, monitoring of environmental quality, education and training, enforcement, licensing and registration, data collection and community outreach.

6.1 MARINE BRANCH

The services / assistance offered by the Marine Branch include the following:

6.1.1 Licensing and Registration of Fishermen and Fishing Vessels

Under the **Fishing Industry Act** all vessels and persons wishing to fish in Jamaican waters must be registered and licensed by the Fisheries Division. The Act provides for the general administration of the Fishing Industry through regulations on registration and licensing, transfer of ownership of boats and vessels, reporting on the loss or destruction of vessels, and the cancellation and suspension of licences. The Act makes provision for fishery protection in the form of Close Seasons and the Establishment of Fish Sanctuaries.

6.1.2 Granting of licences to fish for finfish and all other fish except conch

The Fisheries Division grants licences to fishers and boats to undertake fishing for finfish for a specific time under conditions and restrictions stipulated by the Division. In order to be licensed and registered, a prospective fisher should apply to the Director of Fisheries on the prescribed form accompanied by a valid identification (e.g. passport or driver's licence). The Director of Fisheries will assess applicants who are not Jamaicans. Applicants should attend the Licensing and Registration Section of the Fisheries Division where they will be interviewed and assisted to complete their applications.

6.1.3 Granting of licences to fish for conch.

The Applicant should note that in order to be considered for a licence to fish for conch, there are several conditions that must be met. In addition, the Applicant is required to provide supporting information that will guide the Licensing Authority in determining the appropriate quantity of conch the Applicant may be permitted to fish (that is the Individual Conch Quota to be allocated).

6.1.4 Documents Required

The Fisher must provide the following documents when applying:

- i A valid licence to fish under the Fishing Industry Act.
- ii Certified Copy of Licence(s) under the Aquaculture, Inland and Marine Products and By-Products (Inspection, Licensing and Export) Act, 1999.
- iii Documentary evidence verifying that all the vessels that the applicant proposes to use has satisfied all the relevant requirements under: (i) the Fishing Industry Act, (ii) the Aquaculture, Inland and Marine Product and By-Product (Inspection, Licensing and Export) Act, (iii) the Shipping Act, and any other relevant Act and/or Regulation.
- iv Documentary evidence of all fishers that the applicant proposes to use. All fishers must have valid licences to fish under the Fishing Industry Act. Please note that the Aquaculture, Inland and Marine Products and By-Products (Inspection, Licensing and Export) Act, requires as a minimum that each conch fisher must have a valid Food Handler's Permit (This is obtained from the Ministry of Health.).

6.1.5 Supporting Documents Required

The supporting documents required are:

- i Documentary evidence of historical involvement in the conch industry. That is, the total number of years that the Applicant has been involved in the conch industry.
- ii Documentary evidence verifying the quantity of Individual Conch Quota allocated to the Applicant from 1995 to present.

- iii Documentary evidence of historical landings (i.e., total quantity of 50% clean conch meat landed or caused to be landed by the Applicant) of conch from 1995 to present.
- iv Documentary evidence verifying the total quantity of 50% clean conch meat procured from artisanal conch fishers from 1995 to present.
- v Documentary evidence (e.g., bill of lading/airway bill, CITES Permit, receipts) verifying the total quantity of 50% cleaned conch meat exported and/or sold locally from 1995 to present. For every shipment, a copy of the airway bill or bill of lading and a commercial invoice with the official stamp of the Customs Department affixed to it must be submitted as proof of exportation.
- vi Valuation or indication of value (prepared by a competent, licensed valuator) of all relevant investment in respect of the harvesting and processing of conch.
- vii Documentary evidence from the Veterinary Services Division, Ministry of Agriculture verifying:
 - Raw material holding (freezer/chill room) area capacity.
 - Ice making capacity.
 - Blast freezer capacity.
 - Finished product holding area capacity.
 - Method and quantity of shipment as defined by the approved HACCP (Hazard Analysis and Critical Control Point) plan.

6.1.6 Licensing and Registration to Undertake Specific Fishery Activities

The Fisheries Division grants licences for fishers to undertake specific fisheries activities for a given time under conditions and restrictions stipulated by the Division. In order to be licensed and registered, any of the following documents below must be provided:

- i Valid passport
- ii Valid driver's license
- iii Valid national identification card

- iv Letter of recommendation from a recognised/approved local fisher organisation
- v Letter of character written by a Justice of the Peace, Police Officer, School Teacher, Pastor along with a stamped photograph by a Justice of the Peace in his or her area.
- vi Birth certificate along with stamped photograph by a Justice of the Peace in his or her area.
- vii Fishers must also produce their I.D. and their Blue Licence Book (if they are not registering for the first time).

6.1.7 Temporary Licenses to Recreational fishers (tourists etc.)

These licences are granted for two weeks at a time and tourists are not required to complete the registration form but are required to have a licence to fish.

6.1.8 Registration and Licensing of Sport Fishing Boats

In order to register and license a sport fishing boat, the owner must be a registered and licensed sport fisher. The general requirement for the registration depends on the category of vessels. There are two categories of vessels decked and undecked.

- i Registration for Undecked Crafts: The requirements for registration include the following:
 - Proof of ownership of craft
 - Knowledge of dimensions of the vessel
 - Basic requirements for a seagoing vessel such as life jackets, distress flares etc.
 - Two full length colour photographs with vessel name clearly visible.
- ii Registration of Decked Crafts: A decked vessel requires the above and more detailed information, such as:
 - Marine communications equipment licence from the

SPECTRUM Management Authority, 26 Belmont Road, Kingston 5 and an assigned radio call sign.

- Valid seagoing certificate issued by the Maritime Authority of Jamaica, 40 Knutsford Boulevard, Kingston 10.

On completion of the registration form, the Director of the Fisheries Division will issue each vessel with a certificate of registration and a boat registration number, in accordance with the requirements of the Fishing Industry Act.

6.1.9 Registration of Industrial Fishers

Registration of Industrial Fishers – (Conch and Lobster Motor Fishing Vessels) Details on guidelines and conditions for registration and licensing of motor fishing vessels and crew members are outlined under Requirements for Licensing of Industrial Fishing Vessels.

i Registration requirements for Fishermen:

- Valid passport/Seamen Passport from the country of origin
- Valid visa to enter Jamaica
Valid Seamen identification card (if available in country of origin)
- Work permit for non – nationals (obtainable at the Ministry of Labour and Social Security 1 F North Street, Kingston)

ii Registration requirements for Industrial Motor Fishing Vessels:

- Proof of ownership
- Company affiliation
- Seagoing certificate issued by the Maritime Authority of Jamaica
- Name of Captain of Vessel
- List of crew members
- Type of equipment on board vessel
- Licensed radio on board vessel
- Ministry of Health certificate
- Valid licence to fish in country of origin
- Two (2) passport photographs of all crew members
- Two (2) recent full length colour photographs of the vessels

iii Requirements for Carrier Vessels

- Foreign and local carrier vessels require the same

information as Industrial vessels (Section 6.1). Packer boats require the same as Commercial fisheries and boat/owners (Section 6.1).

6.1.10 Licensing and Registration of Fishing Vessels

Under the Fishing Industry Act all vessels and persons wishing to fish in Jamaican waters must be registered and licensed by the Fisheries Division. The Act provides for the general administration of the Fishing Industry through regulations on registration and licensing, transfer of ownership of boats and vessel, reporting on the loss or destruction of vessels, and the cancellation and suspension of licences.

6.1.11 Relevant Safety at Sea Issues

- i The Fishing Industry Act requires that any person engaged in fishing requires a licence from the Licensing Authority of the Fisheries Division. All boats are also required to be registered and licensed. Section 11 of the Fishing Industry Regulations stipulates that all fishing vessels should have:
 - At least one pair of oars
 - At least one life jacket for each crew member
 - At least one cell battery operated flashlight
 - At least two daylight distress flares and two night distress flares at all times when the vessel is in operation.
- ii Before fishing boats are registered, they are inspected for the above listed items. In addition to being registered by the Fisheries Division, fishing boats are also required to register with the Maritime Authority (under the Shipping Act, 1998) in order to obtain a Seaworthy Certificate. This procedure has impacted positively on the level of safety of fishing crafts. The Fisheries Division and the Maritime Authority are always in discussion in finding ways to increase the safety of small scale fishers. Fishers are also encouraged to take a marine compass on each fishing trip, especially those going offshore.

6.1.12 Fishery Management Services to the Sector

Natural living resources are renewable and can therefore sustain fruitful exploitation for long periods and, hopefully forever if

properly managed. If however they are misused, natural production can be severely crippled.

Traditionally, the Jamaican Fishery is an open access one with exception of the Queen Conch. This means that no limitation is placed on the number of fishermen or boats operating in the Jamaican fishery.

6.2 CLOSE SEASONS

Close Season for Lobster - April 1 - June 30

Close Season for Conch - October 1 - January 30

6.2.1 Close Season for Lobster (April 1 - June 30)

- i The Fishing Industry (Declaration of Close Season) (Lobsters) Order, 1987 decrees that:

In respect of each year the period commencing on the 1st day of April and ending on the 30th day of June is hereby declared to be a close season for lobsters.

- ii The Fishing Industry Act, 1975 Section 23 establishes that:

“Any person who knowingly lands, sells, buys or has in his possession any fish taken, killed or injured in contravention of the provisions of this Act or of any regulations under this Act shall be guilty of an offence and liable, on summary conviction before a Resident Magistrate, to a fine not exceeding one thousand dollars and, in default of payment thereof, to imprisonment for a term not exceeding twelve months.”

- iii The Fishing Industry Regulations, 1976 Section 14(1) states that:

No person shall...

- (a) catch and bring ashore, or destroy, any berried lobster;**
- (b) catch and bring ashore, or destroy, any spiny lobster (*Panulirus argus*) of carapace length of less than 7.62 centimetres (3 inches);**

Within a period of seven (7) days before the commencement of the annual Close Season for lobster, every person, company or individual licensed to

fish lobster, fish processing establishment, hotel and restaurant, shall declare in writing to the Director of Fisheries the quantity of lobsters or parts thereof, in their possession.

6.2.2 Close Season for Conch - October 1 - January 30.

- i Within a period of seven (7) days before the commencement of the annual Close Season for Conch, every person, company or individual licensed to fish conch, fish processing establishment, hotel and restaurant, shall declare in writing to the Director of Fisheries the quantity of conch or derivatives thereof, in their possession. Such Declaration of conch or derivatives thereof, in possession shall specify the quantity (kilogram) of conch by the following categories:
 - “Dirty Conch”- 50% processed
 - 65% processed
 - 85% processed
 - Fillet- 100% processed
 - Ground Conch
 - Any other category as specified by the Director of Fisheries.
- ii Any Commercial cold storage facility having conch in their possession or storing conch on behalf of any person, company, fish processing establishment, hotel or restaurant during the Close Season for Conch shall within a period of seven (7) days after the commencement of the Close Season for Conch, declare in writing to the Director of Fisheries the quantity of conch or derivatives thereof, in their possession or being stored on behalf of any person, company, fish processing establishment, hotel or restaurant. Such Declaration of conch or derivatives thereof, in storage shall specify for every person, company, fish processing establishment, hotel or restaurant, the quantity (kilogram) of conch by the following categories:
 - “Dirty Conch”- 50% processed
 - 65% processed
 - 85% processed
 - Fillet- 100% processed
 - Ground Conch
 - Any other category as specified by the Director of Fisheries.
- iii The local sale of conch shall be prohibited during the Close Season for Conch except that during the first twenty one (21) days of that

period where conch in storage caught before the commencement of the Close Season for Conch can be sold by hotels, restaurants, conch processing plants and exporters.

6.2.3 Prohibition of the Processing of Conch

- i The processing of conch meat shall be prohibited during the Close Season for Conch except that during the first twenty one (21) days of that period where conch in storage caught before the commencement of the Close Season for Conch can be processed by Licensed fish processing establishment.

6.2.4 Prohibition of the Importation of Conch

- i The importation of any species of conch is prohibited during the Close Season for Conch.
 - **Size Restriction**
The taking of juvenile fish is prohibited
The catch of undersized lobster and conch is prohibited
 - **Taking of reproductive fish**
Taking of 'berried' or egg lobsters is prohibited.
- ii The Wildlife Protection Act protects the fishery through:
 - The restrictive use of destructive fishing methods. The use of destructive fishing methods such as dynamiting, use of chemicals and poisons are therefore prohibited
 - Discouragement of the capture of immature fish and protected species like turtles. Persons who witness these activities should report the breach to the Director of Fisheries immediately.

All of the Acts mentioned in this chapter can be purchased from the Jamaica Printing Services 771/2 Duke Street Kingston.

6.3 FISHING BEACH MANAGEMENT AND DEVELOPMENT

There are one hundred and eighty four (184)-fishing beaches distributed around the island's coastline, two on the Pedro Cays and one on the Morant Cay.

The larger and more productive fishing beaches are found on the south coast, due

to a wider island shelf than that on the north coast.

6.3.1 Prescriptive Rights

Fishermen occupying a fishing beach over a long period of time have some rights to the property in the form of Prescriptive Rights. The Beach Control Act explains this in Section 3(a) and 3(b).

6.3.2 Permission to Modify or Develop a Fishing Beach

Permission must be sought from the Director of Fisheries to modify or develop any beach deemed to be a fishing beach. In order to access this service a detailed description of the type and nature of the development should be forwarded to the Director of Fisheries. The description of the development should include possible benefits and the loss to the fishers utilising the premises. It must be noted that the development should in some way relate to the development of the fishing industry.

Any development project slated for a fishing beach should adequately satisfy the Director of Fisheries of the following that:

- The traditional rights of fishers to access the foreshore and sea, and that the customary use of the beach will not be interrupted.
- Adequate and efficient waste disposal facilities will be put in place.
- There should be negligible environmental impact including beach erosion.
- All buildings and other relevant infrastructure to be constructed will meet the specification of the Local Parish Council.
- All health and safety requirements in respect of bars, shops and processing and food establishments (such as restaurants) will be met under the laws and regulations set out by the Ministry of Health.
- Proper and efficient management measures will be put in place to adequately manage the development
- There will be minimal social and economic dislocation of

fishers during the construction phase and the normal fishing activities of the fishers would not be adversely affected.

6.3.3 Fishing Complex

Large scale development of a fishing beach such as a fishing Complex should include basic amenities such as electricity and sanitary conveniences.

6.3.4 Facilitating Fisheries Research

All proposals for research related to the fisheries of Jamaica should be directed to the Director of Fisheries who will assist with information and advice on Jamaican fisheries.

6.3.5 The Provision of Support Services.

The Fisheries Division is responsible for the provision of proper facilities and services to support primary production in the Fisheries Subsector. At the very basic, such facilities include inter alia, proper berthing, gear storage, facilities for safe handling of the product, ice and fish storage and sanitary conveniences. Not all fishing beaches meet these basic requirements, however negotiations are currently underway with the Japanese Government to replicate the development of the Whitehouse Complex at other strategic fishing beach locations. Some priority areas in need of urgent attention include the Morant and Pedro Cays and the old Harbour Fishing Beach.

6.3.6 Distribution of Motor Fuels for Fishers

An extremely important support service provided by the Fisheries Division is the distribution of outboard motor fuel to fishers.

Fuel Stations are located at the following sites and are opened between the hours of 8:30am - 5:00pm

SUB-OFFICE	DAYS OPENED	TELEPHONE
Alligator Pond	Mon - Fri	965-4313
Annotto Bay	Tue - Thurs	996-9008
Black River	Mon - Fri	965-2276
Farquhar	Tue	847-2929
Great Bay	Mon - Fri	965-3411
Lances Bay	Mon, Wed, Fri	956-6272
Manchioneal	Mon, Wed, Fri	993-6432; 993-6352

SUB-OFFICE	DAYS OPENED	TELEPHONE
Montego Bay	Mon, Wed, Fri	971-6752; 775-9737
Negril	Tue, Thurs	778-4257
Old Harbour Bay	Mon - Fri	708-4465; 375-1241
Port Antonio	Tue, Thurs	993-4468; 993-7579
Port Maria	Mon, Wed, Fri	830-7487
Port Morant	Mon, Wed, Fri	982-8127
Port Royal	Mon, Wed, Fri	967-8426
Rocky Point	Mon, Wed, Thurs, Fri	382-4189
St. Ann's Bay	Mon, Thurs	972-7568
Whitehouse	Mon - Fri	963-5123; 963-3076
Yallahs	Tue, Thurs	706-3907

6.3.7 Fisheries Enforcement

The Fisheries Division facilitates joint monitoring and enforcement action to reduce incidences of illegal and destructive activities. Such activities include poaching by foreigners especially in offshore areas, dynamiting and the use of toxic substances, harvesting during the Close Season for Conch and Lobster, the taking of undersized lobsters and conch and Lobsters bearing eggs.

The strategies of the Division include the pooling of resources among stakeholders which entail increased communication and cooperation with environmental NGOs (Honorary Game Wardens) and relevant Government Agencies such as the JDF Coast Guard, Marine Police, NEPA (Game Wardens) and the Island Special Constabulary Force.

Any organisation wishing to partake in enforcement activities should contact the Director of Fisheries.

Below is a summary of the relevant Agencies responsible for marine safety and the relevant enabling laws.

Agencies Responsible for Marine Safety

Agency	Role/Responsibility	Enabling Legislation
Ministry of Agriculture/ Fisheries Division	Ensure that vessels are licensed and registered and comply with basic safety regulations	Fishing Industry Act, 1975 Fishing Industry Regulations, 1976
Maritime Authority of Jamaica	Ensure that vessels meet minimal safety regulations	Shipping Act

Agencies Responsible for Marine Safety

Agency	Role/Responsibility	Enabling Legislation
Port Authority of Jamaica	Maintenance of shipping ports and harbours including navigational aids (e.g. beacons)	Harbours Act
Jamaica Defense Force Coast Guard	Assist other agencies in enforcement in offshore waters and conduct search and rescue operations	All relevant laws relating to safety of vessels
Jamaica Constabulary Force, Marine Police	Execute enforcement operations	All relevant laws relating to safety of vessels
Caribbean Maritime Institute	Regional institution offering training in maritime operations including safety	

6.3.8 Concession to Commercial Fishers

The Division is responsible for the certification of applications from commercial fishers to the Commissioner of Customs for duty concessions on the following articles:

- Fishing nets and gears
- Fishing lines of all types
- Fish hooks
- Seine twine and synthetic netting twine
- Fish wire
- Net preservative (other than linseed oil) admitted as such by the Commissioner of Customs and Excise
- Deck equipment, designed solely for use in the fishing industry
- Life saving equipment
- Swivels
- Aluminium containers

The Division also certifies for the Commissioner of Customs that the following articles or goods which are imported by or on behalf of or taken out of bond by the commercial fishermen which are solely for use by them in the capture of fish for sale.

- Boat equipment
- Navigational equipment
- Sail canvas
- Frozen squid
- Boats
- Marine engines

To access this facility, the prescribed entry form from the Commissioner of Customs must be presented to the Director of Fisheries and the importer, who should be a licensed commercial fisher, is required to present particulars of valid licences. Importers who are not licensed fishers must present documentation that the materials are being imported on behalf of a licensed commercial fisherman.

6.4 THE AQUACULTURE BRANCH

The Branch is mandated to develop and implement programmes that ensure the sustainable growth and diversification of the Aquaculture Industry in Jamaica. This is achieved through adaptive research, training and extension activities for both aquatic flora and fauna. Additionally, the Branch is involved in the sharing of technical expertise with neighbouring Caribbean states through numerous Technical Co-operations.

The areas of food fish production and ornamental fish production are the responsibility of the Aquaculture Branch.

6.4.1 The Food Fish Production Sector

The food fish sector is currently dominated by the production of tilapia. Shrimp is also produced but in lesser quantities.

Tilapia presently comprises 95% of Jamaica's aquaculture production. Most of the island's tilapia farms are located in the south-central plains of the parishes of St. Catherine, Clarendon and St. Elizabeth. The production method utilises 93-97% males in earthen ponds of approximately 0.4 hectares in size. Stocking densities vary according to water levels and aeration.

6.4.2 The Ornamental Fish Sector

The Ornamental fish sector in Jamaica is in its infancy. The Jamaica Ornamental Fish Farmers Association (JOFFA) was formed in 1996 and was formally incorporated in October 2001.

Ornamental fish production involves the rearing of fish that are kept in captivity, chiefly in aquarium, in homes and offices. These fish are reared for adornment purposes and are valued for their aesthetic appearance. The world trade in ornamental fish includes fish caught in the wild and those bred in captivity. The chief classifications in the trade include Freshwater Fish varieties, Marine fish Varieties and Aquatic Plants. In Jamaica the trade is concentrated around tropical freshwater varieties.

Interest in ornamental fish has heightened, therefore the Branch has redoubled its efforts to aid in its development by arranging training in ornamental fish care and its management. Interested persons should contact the Aquaculture Branch for advice, information and training.

6.4.3 Developing Fish/Shrimp Ponds

Permission should be sought from the Director of Fisheries or the Director of the Aquaculture Branch of the Fisheries Division to develop any area for the purpose of constructing fish/shrimp ponds or aquaculture facilities. In order to access this service a detailed description of the type and nature of the development should be forwarded to the Director of Fisheries. The description should include the expected benefits and drawbacks of the development and the intended fish species to be produced.

The following are some of the services offered by the Division to operators of aquaculture facilities in Jamaica:

- The granting of permits to operate an aquaculture facility.
- Technical assistance from experts at the Aquaculture Branch who will carry out site evaluation and advise applicants on the suitability of the proposed area for an aquaculture as well as its financial feasibility. Applicants will be advised on the necessary infrastructure and support services needed for the success of their projects.
- Persons wishing to operate an aquaculture facility greater than 5 hectares are required to fill out and submit a Project Information Form provided by NEPA who will advise

whether an Environmental Impact Assessment (EIA) is required.

6.4.4 Extension Activities

The Extension Program at Inland Fisheries was officially started in September 1979 and offers extension services to the public in the areas of Food Fish production and Ornamental Fish Production.

The following services are available to farmers and the public from the Extension Unit:

- Site evaluation of lands to be used for aquaculture production.
- Assistance in the construction of ponds and preparation of site for aquaculture production
- Water quality assessment
- Education to fish farmers and the general public through presentations and exhibitions.
- Technical assistance with regard to fish disease and parasite problems, diet formulation and fish breeding.
- Evaluating production methods
- Assistance with mechanising processes or intensifying production techniques,
- Pond/tank management,
- Broodstock selection,
- Fish processing and preparation
- Fish transportation.

To access any of these services, make a request in writing to The Director, Aquaculture Branch of the Fisheries Division.

6.4.5 Fingerling and Fry Production and Sale

The Aquaculture Branch produces and sells to farmers approximately four (4) million fry and fingerlings per year.

Fry of the following species are sold at the Branch:

- Sex reversed tilapia (all males for food fish production)
- Tilapia (both sexes)
- Grass carp
- Collosoma
- Koi
- Certain species of fresh water ornamental fishes

Quantities of fry or fingerlings less than 200 can be purchased at the Aquaculture Branch Mondays to Fridays preferably between the hours of 9 am to 12 noon. For quantities greater than 200, a waiting period may be required.

6.4.6 Training of Students

The Branch trains students on a work and learn basis with emphasis on work experience programs, or apprenticeship programs. Students at all levels can tour the facilities and be introduced to aquacultural concepts.

To access any of these services, persons should make a request in writing to The Director, Aquaculture Branch.

6.4.7 Other Types of Training Offered

The Branch carries out training of farmers and other interested parties in the following areas:

- pond/tank management,
- broodstock selection,
- fish breeding,
- fish disease and parasites control and prevention,
- fish nutrition,
- feed formulation,
- induced spawning and
- fish transport.

To access any of these services, make a request in writing to The Director, Aquaculture Branch.

6.4.8 Issuing permits for the importation of fish

The Fisheries Division can issue permits pursuant to paragraph 2 of the import Prohibition (Live Fish) Proclamation 1950. The importer should provide to the Director of Fisheries in his application, the common names, the scientific names, and quantities of fish to be imported. The importer should also satisfy the Director of Fisheries that the fish to be imported are confined to aquaria and will be confined to aquaria in Jamaica and will not be deposited in any water other than water in aquaria so controlled that the said species of fish or any of them will not escape into any water outside the aquaria in Jamaica.

Permits can be obtained from the Aquaculture or Marine Branch of the Fisheries Division.

6.4.9 Concession to Commercial Fish Farmers

Duty concessions are allowed on certain agricultural equipment. The Division is responsible to certify for the Commissioner of Customs that certain imported articles or goods are for use in commercial fishing.

To access this facility, the prescribed entry form from the Commissioner of Customs must be presented to the Director of Fisheries and the importer is required to present proof of being a commercial fisher. Importers who are not fishers must present documentation that the materials are being imported on behalf of a commercial fish farmer.

6.3.10 Rental of Fishing Gears & Farming Equipment

The Aquaculture Branch offers for rental limited supplies of nets for use in pond harvesting as well as certain fish farm farming equipment.

To obtain access to any of these services, fishers should make their requests in writing to The Director, Aquaculture Branch, Fisheries Division.

6.3.11 Information to the public

The Fisheries Division provides information to the public (schools, libraries, research students etc.) on Jamaican fisheries for public use. Education campaigns are also carried out to inform, sensitise and educate the public on fisheries matters.

6.4 CONTACT INFORMATION

For further information please contact:

Contact Person: Director of the Fisheries Division
Address: Fisheries Division, Marcus Garvey Drive, P.O Box 470
Telephone: (867) 923 – 8811-3
Fax : (876) 923 – 7572 or 758 – 1239
E-mail: fisheries@cwjamaica.com or
dof_jamaica@yahoo.com

CHAPTER 7

FORESTRY DEPARTMENT

7.0 BACKGROUND

The mission of the Forestry Department is to provide efficient technical and professional leadership in the conservation, protection, management and development of the forest resources of Jamaica.

The Forestry Department of the Ministry of Agriculture is the lead agency responsible for the management and conservation of Jamaica's forest estate. Its functions are mandated by the Forest Act of 1996 and are aimed at managing forests on a sustainable basis to maintain and increase the environmental services and economic benefits they provide.

The long-term impact of the work of the Forestry Department is the maintenance of soil and water resources, biological diversity and benefits to society, as measured by reduced rates of deforestation and environmental degradation, and contribution to national income. This is being achieved through a variety of activities, including:

- i biophysical inventories of Jamaica's forest resources
- ii development of local forest management plans,
- iii creation of Local Forest Management Committees,
- iv promotion of agro-forestry practices
- v reforestation programmes on public and private lands,
- vi tree nursery development,
- vii public education,
- viii training and extension activities

7.0.1 5-year National Forest Management and Conservation Plan

This plan was adopted by the government in July 2001, sets out the direction and goals of the forestry section and proposes strategies, programmes and activities for sustainable forest management. This Plan can be viewed at www.forestry.gov.jm or be obtained from the offices of the Forestry Department.

7.0.2 The Forest Regulations 2001

These regulations set out the conditions for use of the national forest

estate and include examples of the required forms (applications and permits) for development activities. Copies of the Forest Regulations, 2001 as well as the Forest Act, 1996 are available from any of the Forestry Department's Administrative offices. The regulations can also be viewed at www.forestry.gov.jm.

7.1 THE FUNCTIONS OF THE FORESTRY DEPARTMENT

The Forest Act, 1996 defines the functions of the Forestry Department as follows:

- i sustainable management of forests in Crown lands or in forest reserves and the effective conservation of those forests.
- ii directing and controlling the exploitation, in a rational manner, of forest resources by the introduction of adequate systems for renewal of those resources
- iii preparing and implementing a national forest management and conservation plan
- iv promoting the development of forests on private lands
- v promoting, establishing and maintaining a forest research programme with a view to-
 - enhancing forest management and development;
 - identifying and obtaining silvicultural data to be used in improving financial yields of species important to the national economy
 - ensuring reforestation of suitable lands
- vi establishing and promoting public education programmes to improve understanding of the contribution of forests to national well-being and national development
- vii establishing and maintaining recreational facilities in such forest conservation areas and forest management areas as may be designated for that purpose
- viii promoting agroforestry and social forestry programmes for the benefit of farmers, schools and any other interested persons, or group of persons

- ix determining with the approval of the Minister, fees for licences or permits granted under the Forest Act or any services rendered by the Department
- x preparation of forest inventories and the demarcation and maintenance of forest boundaries
- xi control and supervision of the cutting, harvesting, milling and sale of timber and other forest produce
- xii granting of licences and permit under the Forest Act
- xiii compiling information and statistics concerning the use of timber and other forest management
- xiv protection and preservation of watersheds in forest reserves, protected areas and forest management areas
- xv developing programmes for proper soil conservation
- xvi taking steps to enforce compliance under the provisions of the Forest Act; and for this purpose the Conservator and other forest officers shall have the powers of a Constable under the Constabulary Force Act.

7.2 SERVICES OFFERED BY THE FORESTRY DEPARTMENT

The following services are offered by the Department:

- i Technical advice on the establishment and maintenance of forests
- ii Assessment of forest products such as timber
- iii Free seedlings to private land owners under a Private Tree Planting Programme
- iv Vegetation mapping using Geographic Information System (GIS)
- v Environmental education programme and material to schools and community groups
- vi Issuing of licences to harvest available mature forest plantations
- vii Rental of recreational facilities at Gourie Forest Estate in north Manchester.

7.2.1 Incentives

The following incentives are offered by the Forestry Department to encourage investment in forestry development and conservation:

- free timber seedlings (from nursery site), and subsidised cost of other species
- recommendation to the Ministry of Finance for the remission of property tax on lands declared as forest management areas or forest reserves
- recommendation to the Ministry of Finance for income tax exemption, duty concession on motor vehicle purchase, and waiver of GCT on capital goods, activities and supplies prescribed under a forest management agreement and approved forest management plan

These services are available through any of the Department's administrative offices.

7.3 POTENTIAL LAND USE FOR FORESTRY

The guidelines presented below for determining potential land use are oriented specifically for forestry uses, including agroforestry. The development of the guidelines was based on existing Land Capability Classification (LCC) systems used in Jamaica. The following classifications were developed and used to assess the potential land use for agriculture in general as well as for specific crop groups and for soil conservation purposes:

- i General Land Capability for Agriculture: Rural Physical Planning Unit (RPPU), 1971, 1989
- ii Land Classification for Crop Potential Groups: Comprehensive Resource Inventory and Evaluation System (CRIES) Project, 1982
- iii Treatment-oriented Land Capability for Soil Conservation: Sheng, T., 1971, 1975

7.3.1 Land Classification

The classification of lands for forestry use is based on two characteristics: slope gradient and soil depth. The five forestry uses permitted according to this classification are:

FI(P)	Intensive production from forest plantation
FI	Intensive production from natural forest
FS	Selective production forest
FP	Protection forest
AF	Agroforestry
PA	Pastures
C	Cultivable land

7.3.2 Potential Land Uses

FIP:	Forest for industrial production, including intensive site preparation and plantation establishment; possible mechanisation
FI:	Forest for industrial production (eg, selective cutting, enrichment planting, seeding and coppicing); possible mechanisation, but normally excluding intensive site preparation and plantation establishment
FS:	Selection forest for environmental protection and limited wood extraction: selective logging only, no clear-cutting, no road construction, no mechanised site preparation, no mechanised ground skidding.
FP:	Protection forest for watershed management, ecosystem protection, and/or recreation: no road construction, no timber extraction.
AF:	Agroforestry: trees or shrubs grown in association with herbaceous plants under an approved system involving soil conservation measures
PA:	Pastures.
C:	Cultivable land
Note:	
In forest reserves, forest management areas, parks or protected areas:	
(1)	Where the existing forest cover is Closed Broadleaf Forest, Mesic and Dry Limestone Forest or Mangrove Forest, use will be restricted to FP.
(2)	Where the existing forest cover is Modified Forest (Closed Broadleaf, Mesic and Dry Limestone or Mangrove), land will be retained as forest, ie, FP, FS, FI or FI(P).
(3)	Where land is already under cultivation, pasture or agroforestry use, such uses may be permitted as specified in the table if warranted by local social, economic and environmental circumstances.

7.4 ANNUAL DEMAND FOR WOOD

The table below shows the estimated annual demand for wood in Jamaica in cubic metres.

Other than the round wood, "Energy Wood", very little of the total estimated annual demand for the round wood, "Lumber", is presently being met locally.

Estimated Annual Demand for Wood in Jamaica (m³)

Product Category	Estimated Lumber Demand m³/yr	Assumed Conversion Roundwood to Lumber %	Estimated Roundwood Demand m³/yr
Locally produced lumber:	3,140	40	7,850
- softwood	61,700	40	154,250
- hardwood			
Imported lumber:	12,565	40	314,120
- softwood	10,300	40	25,750
- hardwood			
Energy Wood:			1,500
- fuelwood			535,700
- charcoal			
Yamsticks			150,000
Total	200,790		1,189,170

Source: National Forest Management and Conservation Plan

7.5 INCENTIVES FOR INVESTMENT

The National Forest Management and conservation plan (NFMCP) states that the following additional incentives are provided to encourage investment in forestry development and conservation:

- i free timber seedlings (from nursery site), and subsidised cost on other species;
- ii remission of property tax on lands declared as forest management areas or forest reserves;
- iii income tax exemption, duty concession on motor vehicle purchase, and waiver of GCT on capital goods, activities and supplies prescribed under a forest management agreement and approved forest management plan; and

- iv long - term conditional leasing at competitive rates of public land for reforestation, agroforestry and other purposes prescribed in an approved Local Forest Management Plan, including investiture of full ownership of planted trees on the lessee.

7.6 JAMAICA FOREST MANAGEMENT AND CONSERVATION FUND

In addition, the following incentives will be provided, subject to the availability of capital in the Jamaica Forest Management and Conservation Fund, and priorities established by the Fund's Board of Directors:

- i grants for plantation establishment on lands qualifying for reforestation under the Forest Plan;
- ii direct acquisition or leasing of lands for maintenance as protection forest;
- iii annual grants to landowners, of up to 50 percent of the land rental value, for maintaining protection forests;
- iv grants and/or long-term low-interest loans for community forestry and recreational ventures;
- v maintenance of boundaries, trails and fire breaks; and
- vi surveying of suitable Crown lands for leasing to forestry or agroforestry uses.

All incentives will be subject to activities being prescribed in an approved Local Forest Management Plan and performance verification by the Forestry Department.

7.7 GENERAL INFORMATION

The administrative structure of the Forestry Department consists of the Head Office and three Regional Offices whose activities are co-ordinated by the Head Office which is located in Kingston.

The Western Region encompasses the parishes of Hanover, St. James, St. Elizabeth, Manchester and Trelawny.

The Central Region consists of St. Ann, Clarendon, a portion of St. Catherine and

the western-most part of St. Mary.

The Eastern Region consists of Portland, St. Thomas, St. Andrew, a part of St. Catherine and the greater part of St. Mary.

7.8 CONTACT INFORMATION

HEAD OFFICE:

Contact Person: Conservator of Forests
Address: 173 Constant Spring Road, Kingston 8
Telephone: (876) 924 2667/8 Fax: (876) 924 2626
Email: forestrydepartment@forestry.gov.jm

CENTRAL REGION:

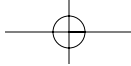
Contact Person: Regional Officer –
Address: Moneague, St. Ann
Telephone: (876) 973 0190
Fax: (876) 977-2095
Email: central@forestry.gov.jm

EASTERN REGION:

Contact Person: Regional Officer
Address: 173 Constant Spring Road, Kingston 8
Telephone: (876) 924-2667/8
E-mail: eastern@forestry.gov.jm

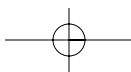
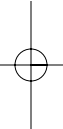
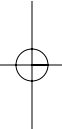
EASTERN REGION IN PORT ANTONIO:

Contact person: Forest Supervisor -
Address: 20 Folly Road Port Antonio, Portland
Telephone: (876) 993 3848
E-mail: eastern@forestry.gov.jm



WESTERN REGION:

Contact Person: Regional Officer -
Address: Catherine Hall, St. James
Telephone: (876) 952 0848,
Fax: (876) 979 3318
E-mail: western@forestry.gov.jm



CHAPTER 8

RURAL AGRICULTURAL DEVELOPMENT AUTHORITY (RADA) (AGRICULTURAL EXTENSION)

8.0 BACKGROUND

The Rural Agricultural Development Authority (RADA) was established in August 1990 under the RADA ACT, as the extension arm of the Ministry of Agriculture. The Authority is charged with responsibility for the development of agriculture in rural areas.

8.1 FUNCTIONS OF RADA

The main functions of the Authority are to:

- i Provide a technical advisory service primarily to rural farmers in the areas of Agronomy, Soil and Water Conservation, Livestock Rearing and Crop Production (crop suitability based on soil type, planting techniques and technology application).
- ii Provide advice to farmers on the marketing of crops for local consumption and for export.
- iii Advocate for rural physical infrastructure such as roads, electricity and water supplies and liaise with the relevant agencies to encourage efficiency in the provision of these services.
- iv Identify, plan and implement local and internationally funded projects.
- v Liaise with Agricultural Lending Agencies to promote Agricultural Credit to small and medium sized farmers.
- vi Promote the development of social amenities such as water, electricity and solid waste collection, which will enhance the quality of life of farm families.
- vii Develop an integrated approach to rural development involving co-ordination and collaboration with other community based organisations and non-government organisations for the improvement of young people in farming communities.

- viii Encourage the use of indigenous raw material generated from farms through the development of cottage industries.
- ix Train farmers in farming techniques, which will promote efficiency and economy in methods applied.
- x Deliver information on farming, agricultural production and markets to boost the capacity, competitiveness and awareness of the sector through the Agricultural Business Information System (ABIS).

8.2 SPECIALISED STAFF

The Authority is staffed with specialists in the areas of:

- i Marketing
- ii Soil and Water Management
- iii Agronomy
- iv Livestock
- v Plant Protection
- vi Home Economics/Social Service

These Specialists have the required expertise to assist the Authority's extension officers in the delivery of the Extension Programme. These Specialists, in collaboration with Extension Officers, develop and implement the extension programmes by:

- i Adapting research findings to the needs of farmers in order to upgrade farming methods and techniques
- ii Providing technical advice to farmers in areas of animal husbandry, crop production, land use, irrigation and crop protection
- iii Informing farmers about available loan financing
- iv Assisting farmers to develop loan profiles/plans
- v Receiving complaints from farmers and communicating concerns to managers for appropriate action
- vi Conducting market intelligence, surveys, identifying market outlets and plan and implement marketing strategy for all agricultural produce.

8.3 PROGRAMMES AND PROJECTS

The following are the main programmes and projects which are implemented by RADA:

- i Farmer Training Schools
- ii Schools Agricultural Programme
- iii Marketing Extension
- iv Land Husbandry
- v Crop Care
- vi On Farm Water Management
- vii Social Services/Home Economics

8.4 DEVELOPMENTAL ACTIVITIES

The following are the procedures to undertake an agricultural development:

- i Establish proof of ownership or lease agreement for the lands to be developed.
- ii Visit the local RADA office to inform the Extension Officers of the proposed development and to seek their technical advice and expertise.
- iii Contact the Rural Physical Planning Division of the Ministry of Agriculture to determine if the area to be developed is earmarked for any other activity. This Division will recommend the most suitable crop (s) to be grown and also indicate if there are any limiting factors to production and how they can be overcome.
- iv Prepare development plan indicating what crops are to be planted and where on the land they should be grown. RADA will recommend and highlight land clearing and preparation practices to encourage preservation and enhancement of the environment.
- v Carry out soil testing by the Rural Physical Planning Unit or other established soil laboratories in order to optimize returns from the proposed investment.
- vi Request RADA or other qualified agency to prepare a guide to best practices for the selected enterprise(s).
- vii Based on the type of development selected, make preparations for

adequate water supply to sustain production activities.

- viii Once a determination is made of the crop(s) (plant or animal) to be grown, firm marketing arrangements for timely disposal of the product (s) should be put in place.

8.5 COMMUNITY BOARDS

The developer should also note that there are several Commodity Boards, which have responsibility for specific traditional export crops such as sugar, bananas, cocoa, coffee and coconut. If any of these crops are to be grown, the relevant Commodity Board should also be contacted for additional information and advice. At all stages of development contact should be maintained with the RADA personnel or other competent professionals to ensure compliance with the required and/or recommended agronomic practices for economic development of the enterprise.

8.6 CONTACT INFORMATION

For further information, please contact the following RADA Offices.

Head Office,

Contact Person: Executive Director
Address: Hope Gardens, Kingston 6
Tel: (876) 977-1158-62
Fax: (876) 970-4660
Email: rada@cwjamaica.com

Eastern Zonal Director

Address: 197 Old Hope Road, Kingston 6
Tel: (876) 927-0199

Western Zonal Director

Address: Catherine Hall, St. James
Tel: (876) 952-4803/0743 • 952-5737/5734

Appendix I

MINISTRY OF AGRICULTURE
RURAL PHYSICAL PLANNING DIVISION
PRICE LIST AS OF MARCH 2005

SOIL ANALYSIS	RATE (J\$)	WATER ANALYSIS	RATE (J\$)
pH(H ₂ O, 1:1)	150.00	Calcium	150.00
Total Nitro gen (N)	250.00	Magnesium	150.00
Cation Exchange Capacity (CEC)	250.00	Potassium	150.00
Organic Matter/Carbon	200.00	Sodium	150.00
Chloride (Cl ⁻)	150.00	pH	150.00
Exchangeable Acidity	150.00	Electrical Conductivity (EC)	150.00
Exchangeable Cations:		Chloride (Cl ⁻)	150.00
(Ca, Mg, Na, K)	200.00 ea.	Sulfate (SO ₄ ²⁻)	150.00
Hydraulic Conductivity	300.00	Carbonate (CO ₃ ²⁻)	150.00
Trace Elements (Mn, Zn, Cu, Fe)	250.00 ea.	Bicarbonate HCO ₃ ⁻)	150.00
Exchangeable Aluminium	150.00	Carbon Dioxide (CO ₂)	150.00
Available Phosphorus (P ₂ O ₅)	200.00	Hydroxyl (OH ⁻)	150.00
Available Potassium (K ₂ O)	200.00	Total Solids	250.00
Electrical Conductivity (EC)	150.00		
Calcium Carbonate (CaCO ₃)	150.00	PLANT ANALYSIS	RATE (J\$)
Sulfate (SO ₄ ²⁻)	200.00	Calcium	200.00
Moisture Percent	100.00	Total Nitro gen (N)	250.00
pF curves (5 points)	300.00	Trace Elements (Mn, Zn, Cu, Fe)	300.00 ea.
Bulk Density	200.00	Phosphorus (P ₂ O ₅)	200.00
Particle Size Analysis		Potash (K ₂ O)	200.00
(Hydrorometer & Sieve Method)	300.00	Magnesium	200.00
Sodium Absorption Ratio (SAR)	300.00	Sodium	200.00
FERTILIZER ANALYSIS		Photocopy of the soil and land use maps of Bunjira by the	
N	250.00	Imperial College of Tropical Agriculture "Green Book" and	
P	250.00	maps 30.00/page	
K	250.00		
MAPS	RATE (J\$)	Scale 1:12500	
Scale 1:250000		Combination of Soil/Slope/Capability	2000.00
Color Soil Map (Blue print)	2000.00	All maps below this scale 1:12500	2000.00
Color Soil Map With Publication	3000.00	Map preparation	2000.00/ha
Agro-Climatic Zones	2000.00		
Land Use (Digital Format)	3000.00	GIS SERVICE	RATE (J\$)
Land Capability (Digital Format)	20.00/ha	Agro-climatic data per station	400.00
Physio-graphic soil map (Blue Print)	4500.00	300 per set	
Scale 1:50000		(PE T, DGP, rainfall statistics)	
Land Use (Blue print)	2500.00	Rural Land Evaluation Assessment	1500/ha
Land Use (Digital format)	3000.00	Data Capture and Processing	800/ha
Soils (Digital Format)	3000.00	(Land use, Land Capability and Soils)	
Soils/Land Capability/Slope/Patch (Blue Print)	5500.00	Aerial Photo interpretation/Satellite	1500/ha
Soils and Slope/Patch (Blue print)	3000.00	Imagery Interpretation	
Soils and Land Capability (Blue print)	3000.00	Technical Guide Sheet	2500.00
Soils (Blue Print)	2000.00		
Salinity-Clerendon (Blue Print)	1500.00		
Salinity-Clerendon with Publication	3000.00		

Note: Prices are subject to change

Appendix 2

MINISTRY OF AGRICULTURE

HOPE GARDENS

KINGSTON 6

APPLICATION FORM TO BE USED BY FARMERS AND OTHER APPLICANTS REQUESTING PERMISSION TO IMPORT TRUCKS, PICK UPS, TRACTORS AND OTHER AGRICULTURAL EQUIPMENT AT CONCESSIONARY DUTY RATE AND WHICH WILL BE USED SOLELY IN CONNECTION WITH AN APPROVED AGRICULTURAL ACTIVITY.

APPLICANT: NAME _____
 (LAST) (MIDDLE) (FIRST)

AGB: _____

APPLICANT'S ADDRESS: _____

LOCATION OF FARM (S) (be specific): _____

LAND TENURE:

- (a) Registered Owner _____ Hectare _____
 (b) Lease _____ Hectare _____

PROOF OF LAND TENURE MUST BE DEMONSTRATED

PRESENT LAND USE:

- (a) Crops _____ Hectare _____
 (b) Pasture _____ Hectare _____
 (c) Ruinats _____ Hectare _____
 (d) Other _____ Hectare _____

PRESENT ENTERPRISES

A. LIVESTOCK

Types: Dairy, Beef, Pigs, Goats, Fish, Etc.	No. of animals by category	Average Annual Production	MARKET Local %	MARKET Foreign %	Value of Sales (Annual)

Appendix 2

FISH:

Types: Marine, Fish, Farming, etc.	No. of Bunk/Ponds (Acreage) (Hectares)	Average Annual Production	MARKET Local %	MARKET Foreign %	Value of Sales (Annual)

PRESENT CROP ENTERPRISE (S)

Types	Hectare/Acre (Pure stand equivalent)	Average Annual Production	MARKET Local %	MARKET Foreign %	Value of Sales (Annual)

**PRESENT VEHICLES OWNED BY FARMERS (Include Trucks, Tractors, Jeeps and Vans).
Was Concession Granted on any of these Vehicles and When?**

Vehicle Type	Year & Model	Date of Purchase	Condition	Value

**PLEASE STATE SPECIFIC USE TO BE MADE OF TRUCK (S), TRACTOR OR OTHER
EQUIPMENT**

Appendix 2

I hereby apply for Duty Concession for the importation of _____ Truck (s)
and testify that all information given herein is true and accurate.

Specify tonnage of truck(s) required _____

SIGNATURE OF APPLICANT

Comments of Investigating Officer:

Comments of Parish Agricultural Manager:

.....
SIGNATURE

.....
SIGNATURE OF PARISH AGRICULTURAL MANAGER

.....
SIGNATURE OF CHAIRMAN

.....
DATE

IMPORTANT

Person (s) who knowingly affixes his/her signature to false, misleading or inaccurate information, is guilty of an offense.

CONDITION:

- 1) In cases where an applicant knowingly gives misleading information and receives the concession, he shall become liable to pay the required duty with interest.
- 2) Vehicles purchased with Duty Concession cannot be sold within three (3) years of the date they received such concession and cannot be transferred to use in other types of activities outside of the Concession privilege. Abuses will solicit suspension of the Duty Concession and the purchaser will become liable to pay full duty.

SUMMARY OF PROCEDURE

- i) Complete an Application Form which is available at all Rural Agricultural Development Authority (RADA) Parish Offices.
- ii) Submit it to the RADA Parish Office in the parish in which the farm enterprise is located for verification and recommendation. Applications that **do not** meet the criteria **will be rejected at the Parish level.**
- iii) After the final processing is done in conjunction with the Ministries of Agriculture and Finance, the applicant will be informed of the decision taken.
- iv) This process takes a minimum of **THREE (3) MONTHS**. No query should be necessary before this period.

Appendix 3

Income Tax Ref. No.:.....

RELIEF UNDER THE INCOME TAX ACT

1. Name and address of applicant:.....
.....

2. Location of farm:.....
.....

3. Land Tenure:

	<u>REGISTERED OWNER</u>	<u>LEASE</u>	<u>RENT</u>	<u>TOTAL</u>
Number of hectares (acres)
Number of years

4. Physical characteristics of farm
- a). Size (number of hectares)
(acres)
 - b). Topography FLAT GENTLE SLOPE STEEP SLOPE
Number of hectares
(acres)
 - c). Soil type(s) (number of hectares/acres)
.....
.....
 - d). Water supply
Types (specify capacity/where applicable)
.....
.....
 - e). Building (indicate purpose and size)
.....
.....
 - f). Access roads (indicate length)
.....
.....
 - g). Electricity

Appendix 3

AGRICULTURAL ACTIVITY (LIVESTOCK)

LIVESTOCK REVENUE

Type of enterprise (beef, cattle, etc.)	Hectares (Acres)	Average annual production (past 3 years)	Sales in 200__	
			Local \$	Foreign \$
.....
.....
.....

CROPS

Type	Hectares (Acres)	Average annual production (past 3 years)	Sales in 200__	
			Local \$	Foreign \$
.....
.....
.....

MACHINERY IN USE

<u>DESCRIPTION</u>	<u>Date of Acquisition</u>	<u>Cost</u>	<u>Present Book Value (\$)</u>
.....
.....
.....

PERSONS EMPLOYED

<u>Number of Employees:</u>	<u>Total of annual wage bill</u>
.....
.....

I hereby apply for relief under the Income Tax Act and declare that to the best of my knowledge and belief this is a true and correct statement of the information and particulars given in this Application Form and attached document. This Declaration is made with the full knowledge and understanding that any false statement made herein or on my behalf will render me liable to penalties.

Signature of Applicant:..... Date:.....

This Form must be completed (in duplicate) and forwarded to the Chairman of the Land Authority for the Parish in which the farm is located.

The applicant will be notified by the Minister of Finance of the decision taken.

Appendix 3

FOR OFFICE USE ONLY

Comments: _____

I hereby certify:-

- a) that farm
is in operation and is a bona-fide agricultural enterprise engaged in the above-mentioned
prescribed agricultural activity; and
- b) that the information (supporting this application) contained herein has been examined by
me and found to be correct.

.....
Signature of Chairman, RADA Parish Office

Date:.....

.....
Signature of Executive Agricultural Officer

Date:.....

Appendix 4

APPLICATION FORM
APPROVED FARMER STATUS
FURTHER RELIEF PURSUANT TO SECTION 36D
OF THE INCOME TAX ACT
(to be completed in duplicate)

1. Name and address of applicant:.....
.....
2. Location of farm:.....
.....
3. Land Tenure:

	<u>REGISTERED OWNER</u>	<u>LEASE</u>	<u>RENT</u>
Number of hectares/acres
Number of years
4. **CONDITIONS FOR APPROVAL**
 - a). Hardships caused by natural causes/disasters
If applicable, please indicate nature and date and state if losses were covered by insurance
.....
.....
.....
 - b). Employment Potential
Present Number of employees:
 - i. Permanent
 - ii. Temporary
Potential number of employees:
 - Present wage bill
 - Potential wage bill
- c). Viability and Profitability of Enterprise
Kindly attach –
 - i. Profit and Loss Statements covering the period for which approved farmer status was granted
 - ii. Cash Flow Projections for the proposed five (5) year extension period
- d). Proposed Expansion
Please indicate the type and cost
.....
.....
.....

Appendix 4

e). Re-structure of Enterprise/New Technology

Please indicate the type, cost and benefits:

.....
.....
.....

f. Foreign Exchange

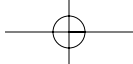
- (i) Present Savings and/or Earnings
- (ii) Potential Savings and/or Earnings

Please attach documentation in support thereof.

I hereby apply for relief under the Income Tax Act and declare that to the best of my knowledge and belief this is a true and correct statement of the information and particulars given in this Application Form and attached document. This Declaration is made with the full knowledge and understanding that any false statement made herein or on my behalf will render me liable to penalties.

Signature of Applicant:..... Date:.....

NOTE: This Form must be forwarded to the Manager of the Rural Agricultural Development Authority (RADA) Parish Office for the parish in which the farm is located.



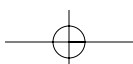
Appendix 4

FOR OFFICE USE ONLY

Comments: _____

.....
**Signature of Chairman of the RADA
Parish Office**

.....
Signature of Parish Manager of RADA



Appendix 5

APPLICATION FORM FOR CATTLE FARMERS

INCOME TAX REF. NO.....

RELIEF UNDER THE INCOME TAX ACT

1. Name and address of applicant.....
.....

2. Location of farm:.....
.....

3. Land Tenure:

	<u>REGISTERED OWNER</u>	<u>LEASE</u>	<u>RENT</u>
Number of hectares/acres
Number of years

4. Physical characteristics of farm

a). Size (number of hectares/acres)

b). Topography **FLAT** **GENTLE SLOPE** **STEEP SLOPE**
 Number of hectares/acres

c). Soil type (s) (number of hectares/acres)

d). Water supply
 Types (specify capacity/where applicable)

e). Building (indicate purpose and size)

f). Access roads (indicate length)

g). Electricity

Appendix 5

PRESENT USE OF LAND

	<u>CROPS</u>	<u>PASTURE</u>	<u>BUILDING</u>	<u>OTHER</u>
Number of Hectares/acres

PASTURE DEVELOPMENT PLAN

Table showing pasture development for increasing herd sizes

	Y E A R				
	I	II	III	IV	V
Hectares/Acres in pastures					
Hectares/Acres of land/other					
Total hectares/acres of land					

SUPPLEMENTARY FEEDING PLAN

Table showing additional feeding that will be used for feeding the additional animals if producer does not have access to land for developing additional pastures.

	I	II	III	IV	V
Supplemental Feeding Data					
Tons silage to be used					
Tons of concentrate to be used					
Tons of other green forages					
Total tons of supplemental feed					

Appendix 5

HERD DEVELOPMENT PLAN**AGRICULTURAL ACTIVITY (LIVESTOCK)**

LIVESTOCK DATA	YEAR				
	I	II	III	IV	V
No. animals in breeding/ Milking herd					
Cows					
Bulls					
No. of replacement Animals					
Heifers					
Bulls					
No. of other animals (calves, etc.)					
No. of animals to be marketed per year					
Culled cows					
Culled bulls					
Yearlings					
Weaners					
Calves					
Total number of animals on farm at end of year					

Appendix 5

FOR OFFICE USE ONLY

Comments: _____

I hereby certify:-

- a) that farm
is in operation and is a bona-fide agricultural enterprise engaged in the above-mentioned
prescribed agricultural activity; and
- b) that the information (supporting this application) contained herein has been examined by me and
found to be correct.

.....
Signature of Chairman, RADA Parish Office

Date:.....

.....
Signature of Executive Agricultural Officer

Date:.....

Appendix 6

COST OF SERVICES PROVIDED BY THE PLANT QUARANTINE/PRODUCE INSPECTION UNIT

Services	Prices
1 STORAGE	
(a) Ambient Storage	J\$ 0.40/lb/day
(b) Cold Storage	J\$ 0.80/lb/day
2 INSPECTION	
<i>General Inspection</i>	
(a) 001-100 bags/boxes of produce	J\$ 200.00
(b) 101-200 bags/boxes of produce	J\$ 250.00
(c) 201-300 bags/boxes of produce	J\$ 300.00
(d) 301-500 bags/boxes of produce	J\$ 500.00
(e) 501-999 bags/boxes of produce	J\$ 1,000.00
(f) Over 1000 bags/boxes of produce	J\$ 1,200.00
<i>Pre-clearance Inspection</i>	US\$ 0.25/box
3 FUMIGATION-KINGSTON	
(a) Yam (flat rate – 800 cases)	J\$ 16,800.00
Yam (consolidated)	J\$ 21.00/box
(b) Thyme (flat-rate – 800 cases)	J\$ 13,650.00
Thyme (consolidated)	J\$ 17.05/box
(c) Pepper	
1-50 boxes	J\$ 3,150.00
51-100 boxes	J\$ 4,200.00
101-150 boxes	J\$ 5,250.00
151-200 boxes	J\$ 6,300.00
201-250 boxes	J\$ 7,350.00
251-300 boxes	J\$ 8,400.00
301-350 boxes	J\$ 9,450.00
351-400 boxes	J\$ 10,500.00
FUMIGATION-MONTEGO BAY	
(a) Yam	J\$ 2,000
100 boxes and less	J\$ 20.00/box
101-200 boxes	J\$ 4,000.00 for the first 200 boxes + \$15.00
over 200 boxes	per additional box
(b) Thyme	J\$ 2,000
100 boxes and less	J\$ 20.00/box
101-150 boxes	J\$ 3,000.00 for the first 150 boxes + \$15.00
over 150 boxes	per additional box

Appendix 6**COST OF SERVICES PROVIDED BY THE PLANT
QUARANTINE/PRODUCE INSPECTION UNIT**

(c) Pepper 100 boxes and less 101-150 boxes over 150 boxes	J\$ 20.00/box J\$ 3,000.00 for the first 150 boxes + \$15.00 per additional box
Rate per forty foot container (800-1000 boxes)	J\$ 13,000.00

Prices are subject to change.

Note:

In Kingston - Fumigation is carried out in a fired chamber

In Montego Bay - Fumigation is carried out under a tarpaulin