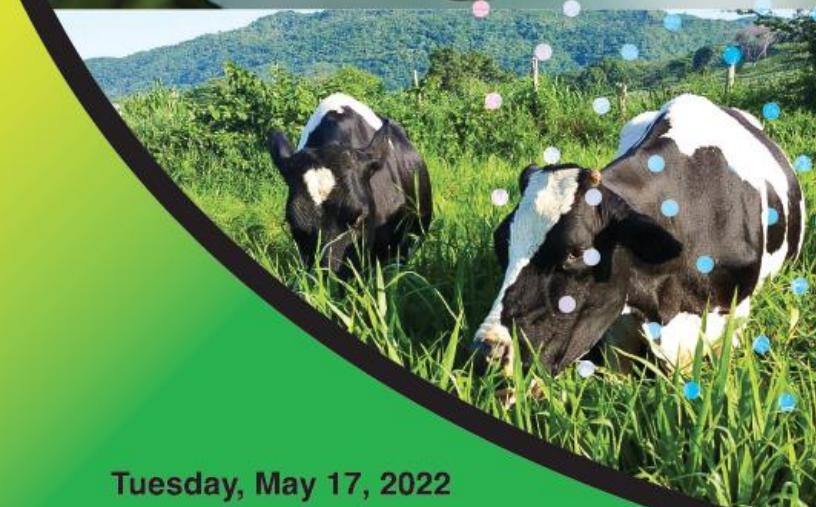




## Ministry of Agriculture & Fisheries

**F**OOD SECURITY ENSURED  
**A**GRIBUSINESS DEVELOPED  
**C**LIMATE-SMART TECHNOLOGIES INTEGRATED  
**E**XPORT EXPANSION ACHIEVED

### Annual Performance Report 2021 - 2022



## Ministry Paper /2022

### Ministry of Agriculture & Fisheries Performance Report 2021 – 2022

#### 1.0 Purpose

The matter for tabling is the Performance Report for the period April 2021 to March 2022 on the priority initiatives undertaken by the Ministry of Agriculture and Fisheries for the development of the Agriculture and Fisheries Sector in Jamaica.

#### 2.0 Background

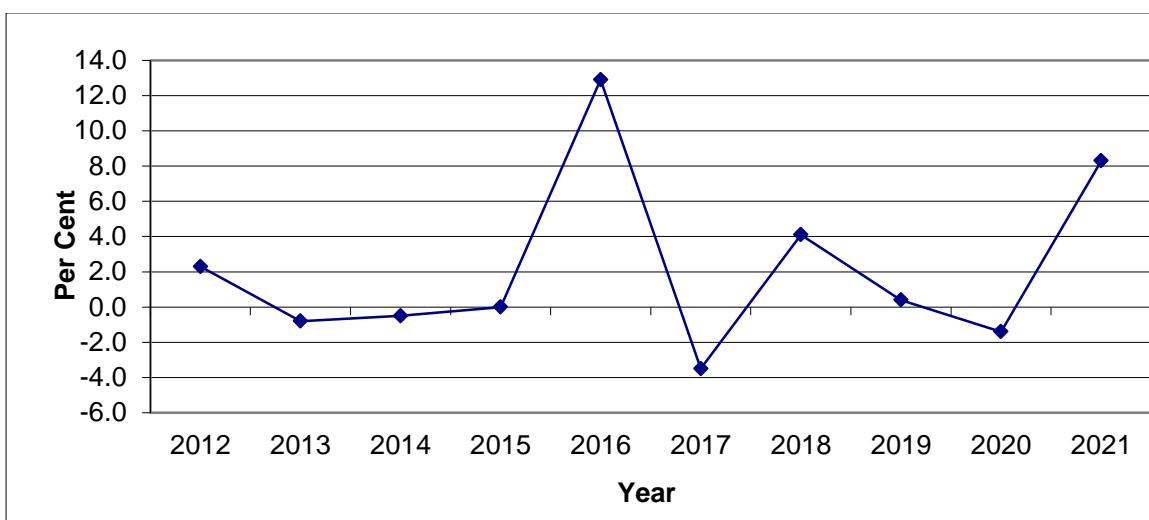
In FY2021/22, the Ministry of Agriculture and Fisheries held a very unique and critical position in promoting the development of the agriculture and fisheries sector and served as an all-important conduit to drive economic growth. In this era of the COVID-19 pandemic, the Ministry's programme of action focused on the urgent need for economic recovery along a trajectory that is rapid and sustained. The Ministry developed a medium-term plan with its first year focusing on a **#newFACEoffood** through the implementation of **forty-three (43) main initiatives** that respond to (1) Food Security, (2) Agribusiness Development, (3) Climate-Smart Technologies and (4) Export Expansion (FACE).

The Ministry oversees a portfolio of twenty-four (24) divisions, ten (10) portfolio bodies that are partially/fully funded through the consolidated fund, five (5) statutory bodies, which provide important services to the agriculture sector as well as the organizations that work to promote growth within the sector. These services are implemented through two (2) budget programmes, ten (10) sub-programmes, six (6) public sector investment projects and three (3) recurrent project under six (6) medium term strategic priorities (SPs).

Thus, the Ministry of Agriculture and Fisheries (MOAF) had to review its medium- term trajectory in order to continue to be the driver of the production of primary agricultural produce, livestock and fisheries; strengthened supply chains; and value chain development.

### 3.0 Overview of 2021 Performance of the Agriculture and Fisheries Sector

Growth of 8.3 per cent was recorded for the Agriculture, Forestry and Fishing industry. The higher Real Value Added (RVA) was supported by the ease in Corona Virus 2019 (COVID-19) measures and favourable weather conditions. The year's out-turn corroborated with the increase in gross output recorded by the Planning Institute of Jamaica's (PIOJ) Agriculture Production Index (API) which reflected 141.2 points. With the exception of Fishing (down 15.3 per cent), increases were recorded for all sub-indices—Traditional Export Crops (7.1 per cent), Other Agricultural Crops (9.3 per cent), Animal Farming (2.1 per cent) and Post-Harvest Activities (30.4 per cent).



**FIGURE 1: REAL VALUE-ADDED GROWTH RATE FOR THE AGRICULTURE INDUSTRY, 2012-2021**

The improved out-turn was associated with the following:

- the continuation of measures implemented by government to improve output
- increased demand associated with the gradual relaxation of measures implemented to curb the spread of COVID-19
- the opening of the hotel industry for the full calendar year
- increase in hectares reaped
- favourable weather conditions.

Growth of the industry was also facilitated by the continuation of the government's Production Incentive Programme (PIP) and expansion of on-going initiatives aimed at boosting agricultural production, improving efficiency and assisting in the speedy recovery of the agricultural sector. Services offered to farmers included support in the areas of extension service, irrigation and marketing.

Earnings from Agriculture Exports<sup>1</sup> totalled US\$80.4 million compared with US\$74.4 million in 2020. The largest increases were recorded in exports of Animal & Fish (223.7 per cent to US\$1.3 million), Other Agricultural Export (34.6 per cent to US\$3.0 million) and Other Fruits & Beverages (34.3 per cent to US\$5.9 million) Declines were recorded in the earnings for Other Root Crops and Papayas, by 8.3 per cent and 87.6 per cent to US\$6.0 million and US\$91 000, respectively.

Real Value Added for the Agriculture, Forestry & Fishing industry is expected to expand in 2022, consequent on the removal of measures linked to the COVID-19 pandemic. This will positively impact global and local demands—to be manifested mainly in the Manufacture and Tourism industries. Favourable weather conditions, implementation of resilience strategies and increase in hectares reaped should facilitate the anticipated out-turn. Additionally, the Ministry will continue to implement its medium-term priorities through its public sector investment projects, such as the Modernization of the Agriculture Sector Project (MASP), the Essex Valley Agricultural Development Project (EVADP), and the South Plains Agricultural Development Project. Also supporting the increase in production is the Ministry's other priority initiatives such as the Production Incentive Production (PIP) and the Small Ruminants Industry Development Plan ensuring adequate food supply for variety of markets. Notwithstanding, growth in the sector may be thwarted by the some down-side risks, to include escalation in COVID-19 cases, resulting in a return to related, supply chain disruptions and other demand shocks.

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<sup>1</sup> The data as represented in Table 10.2 reflects current data being provided by the Statistical Institute of Jamaica.

## EMPLOYMENT

The average employment<sup>2</sup> for the Agriculture, Hunting, Forestry & Fishing was 191,133 persons compared with 187,233 in 2020. The industry's share of total employed labour force was 15.5 per cent relative to 16.1 per cent in 2020. The average number of males and females employed in the industry expanded by 0.7 per cent to 139,933 and 5.9 per cent to 51,200, respectively. The share of employment within the industry for males was 73.2 per cent and 26.8 per cent for females. This compared with 74.2 per cent and 25.8 per cent, in 2020, respectively.

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<sup>2</sup> Average Employment utilizes data for July 2020, October 2020 and January 2021 for the year 2020 and July 2021, October 2021 and January 2022 for the year 2021. This reflects the implementation of a change in Jamaica's Industrial Classification from 2005 to 2016, which has implications for industry composition.

#### **4.0 MOAF's Summary Financial Report**

For FY 2021/2022, the Ministry of Agriculture and Fisheries approved Original Estimates were **\$9.653** billion and **\$1.286** billion to carry out its Recurrent and Capital functions respectively.

On the passing of the First Supplementary Estimates in October 2021, the Estimates were revised to **\$9.977** billion for Recurrent, an increase of **\$324** million or 3%. The Capital Estimates was increased by **\$155.5** million to **\$1.442** billion or net increase of 12%.

For the quarter ending March 31, the Estimates were further revised by way of the Second Supplementary Estimates in January 2022, attributed mainly to the 4% increase salaries. The Recurrent Estimates increased by 2.5% (\$250 million) to \$10.227 billion. The Capital Estimates increased by 4.3% (62M) to \$1.504 billion.

The overall revision to the original estimates is reflected in table below

<b>Head of Estimates</b> \$'000	<b>Original Estimates</b> \$'000	<b>Revised Estimates</b> (2nd Supp) \$'000	<b>Variance</b> \$'000	<b>% Change</b>
<b>Recurrent - Warrant</b>	8,356,456	8,906,943	550,487	7%
<b>Recurrent -AIA</b>	1,294,456	1,319,847	25,391	2%
<b>Recurrent Total</b>	<b>9,650,912</b>	<b>10,226,790</b>	<b>575,878</b>	6%
<b>Capital</b>	1,286,052	1,503,542	217,490	17%
<b>Total MOAF</b>	<b>10,936,964</b>	<b>11,730,332</b>	<b>793,368</b>	7%

#### **Provisional Expenditure and Utilisation**

##### **Recurrent**

For the year ended March 31, total expenditure (provisional) inclusive of Appropriation in Aid was \$10.054 billion or; utilization of 98.3% of the revised estimates (\$10.227B)

Of the \$10.054 billion expended, Appropriations-In-Aid (AIA) accounted for \$1.157 billion or 11.5% whilst Warrant funds accounted for \$8.897 billion or 88.5%.

Reported AIA income for the period ended March 31 2022 is \$1.242 billion or 94% of overall revised budget (\$1.320 billion). The total expenditure reported to date is approximately \$1.157 billion or 93% of reported income. AIA year to date expenditure (\$1.157B) is 87.6% of revised AIA estimates.

<b>Head of Estimates</b> \$'000	<b>Revised Estimates (2nd Supp)</b> \$'000	<b>YTD Expenditure</b>	<b>Variance</b> \$'000	<b>% Utilisation</b>
<b>Recurrent - Warrant</b>	8,906,943	8,897,386	9,557	99.9%
<b>Recurrent -AIA</b>	1,319,847	1,156,668	163,179	87.6%
<b>Recurrent Total</b>	<b>10,226,790</b>	<b>10,054,054</b>	<b>172,736</b>	<b>98.3%</b>

The expense classification - Compensation of Employees, the largest expenditure item, accounts for approx. 38% of the total recurrent revised estimates. Actual salary expenditure for the year is \$3.859 **billion or 99% of the approved provision (\$3.890 billion)**.

Awards and Social Assistance reflects expenditure of \$40.3 million or 708% above approved estimates was attributed mainly to court award paid. Fixed assets also expended beyond its approved budget mainly due to the acquisition of motor vehicles for the ministry's fleet.

<b>Object Classification</b>	<b>Approve /Revised Estimate</b>	<b>YTD Expenditure</b>	<b>Budget Utilisation Rate - %</b>
Compensation Of Employees	3,890,435	3,859,229	<b>99%</b>
Travel Expenses & Subsistence	1,242,384	1,158,640	<b>93%</b>
Rental Of Property &Machinery	50,728	48,725	<b>96%</b>
Utilities And Communication Services	1,088,115	1,072,599	<b>99%</b>
Use Of Goods and Services	1,709,485	1,638,174	<b>96%</b>
Grants Contribution & Subsidies	1,376,288	1,243,775	<b>90%</b>
Awards & Social Assistance	5,694	40,322	<b>708%</b>
Fixed Assets (Capital Goods)	848,970	979,455	<b>115%</b>
Inventories (Animals, Spare Parts Etc.)	14,691	13,136	<b>89%</b>
	<b>10,226,790</b>	<b>10,054,055</b>	<b>98%</b>

### **Capital – Public Investment Projects**

Six (6) public investment projects accounted for the revised provision of \$1.504 billion.

For the year ended March 31, reported expenditure for the six projects accounted for \$1.010 billion or 67.2% of revised estimates.

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<b>Project Code</b>	<b>Project Name</b>	<b>Revised Estimates \$'000</b>	<b>YTD Expenditure (reported) \$'000</b>	<b>Balance on Vote \$'000</b>	<b>Utilisation Rate - %</b>
22066	ACP Bridging Project	215,429	208,179	7250	96.6%
29560	South St Catherine - South Clarendon Irrigation Feasibility Study	65,713	53,996	11,717	82.2%
29570	Soil Fertility Mapping Project	28,000	8,931	19,069	31.9%
20172	Rehab. of Research Centres (Bodles Redevelopment Project)	150,000	149,152	848	99.4%
29510	Essex Valley Agricultural Development Project	723,097	454,259	268,838	62.8%
29480	Promoting Community Based Climate Resilience in the Fisheries Sector	77,322	50,902	26,420	65.8%
29562	South Plains Agricultural Development Project	243,981	84,367	159,614	34.6%
	<b>TOTAL CAPITAL</b>	<b>1,503,542</b>	<b>1,009,786</b>	<b>493,756</b>	<b>67.2%</b>

## **5.0 Policy and Legislative Development Framework**

The Ministry seeks to formulate and review policies and legislations in accordance with the objectives and goals of Vision 2030. These policies and legislation support the Ministry's strategic priorities to facilitate an enabling planning, legislative and policy framework. This is to ensure food security, sustainable use of agricultural lands and fisheries resources and facilitate an enabling local business environment. In addition, the legislative framework enhances the development of sound policy for key sub-sectors using a participatory approach.

### **Aims and Objectives**

To provide an enabling planning, legislative and policy framework to ensure food security, sustainable use of agricultural lands and fisheries resources and to facilitate an enabling local agribusiness environment.

### **Policy Development Planned Targets for 2021/2022**

The Planned policy for 2021/2022 was to develop and submit to Cabinet for approval:

- National Organic Agriculture Policy and Implementation Plan
  - Cabinet approval for policy and implementation plan as Green Paper.
- Agriculture Land Use Policy
  - Cabinet approval for the Policy and Implementation Plan as white paper
  - Establish Policy Steering Committee
- National Youth in Agriculture Policy
  - Cabinet approval as Green Paper
  - Updating/revision of Policy Document

### **Policy Development Key Achievements**

- National Organic Agriculture Policy and Implementation Plan
  - Internal review of policy document
- Agriculture Land Use Policy
  - Internal Review of Policy
- National Youth in Agriculture Policy
  - Sought funding for the engagement of consultancy

### **Other Achievements**

15 Cabinet Submissions were finalized and approved by Cabinet

17 Cabinet Notes were finalized and submitted to Cabinet

## **Principal Focus – 2022/2023**

<b>Relevant Priority Policy (/ies)</b>	MOAF	Strengthen the capacity of Ministry and its portfolio entities to efficiently and effectively implement policies, programmes and projects
<b>Programme:</b>		001 Executive Direction and Administration
<b>Sub-Programme:</b>		02 Policy, Planning, and Development
<b>Budget for FY2022/23:</b>		\$40,600,000
<b>Priority Initiative(s):</b>		Policy and Planning Stakeholder Engagement and Partnerships
<b>Key Activities and Targets for FY2022/23:</b>		
<ul style="list-style-type: none"> <li>• National Organic Agriculture Policy and Implementation Plan developed           <ul style="list-style-type: none"> <li>◦ Development of a comprehensive Policy document</li> </ul> </li> <li>• National Youth in Agriculture Policy and Implementation Plan developed           <ul style="list-style-type: none"> <li>◦ Development of a comprehensive Policy document (use of updated data e. census and/or survey to inform strategies of the Policy)</li> </ul> </li> <li>• National Food and Nutrition Security Policy implemented           <ul style="list-style-type: none"> <li>◦ Policy implemented; establishment of Inter-Ministerial Committee</li> </ul> </li> <li>• Plant Health Policy and Action Plan evaluated and updated           <ul style="list-style-type: none"> <li>◦ Development of an updated Policy document</li> </ul> </li> <li>• Agricultural Land Use Policy revised           <ul style="list-style-type: none"> <li>◦ Development of an updated Policy document</li> </ul> </li> </ul>		

## **Legislation Development Planned Targets for 2021/2022**

Mission: To direct the progression of the Ministry's Legislation Programme and ensure that it is completed efficiently and in accordance with the Ministry's Policies and Strategic Priorities.

## **Key Achievements for FY2021/22**

### **Repeal of the Plants (Quarantine) Act & Enact Plant Health Act**

The Ministry obtained the relevant Decision from Cabinet in October 2021. Therefore, drafting instructions was issued to Chief Parliamentary Council (CPC) for preparation of draft Bill. The Draft bill was reviewed and further instructions were issued to CPC.

### **Amendment to Agricultural Produce Act**

The Ministry obtained relevant Decision (45/21) from Cabinet dated November 15, 2021 approving amendment to the Act. Draft Bill was issued by CPC on March 30, 2022.

### **Proposed amendments to the Praedial Larceny (Prevention) Act**

Completed the draft Cabinet Submission and submitted to external stakeholders for comments/recommendation. Comments and recommendations from the external stakeholders and review and consideration of same with a view to revise the draft Cabinet Submission incorporating relevant recommendations for resubmission to the AGC.

### **Bill Entitled The Irrigation (Validation and Indemnity) Act, 2022**

The relevant Cabinet Decision No. 01/22 was received by the Ministry on January 10, 2022 to enact the legislation and for the issue drafting instructions to the CPC. Further drafting instruction was issued to the CPC on March 17, 2022.

### **Proposed amendment to the Jamaica Dairy Development Board Act (JDDB Act)**

The Ministry completed preparation of the draft Cabinet Submission and dispatched same to key external stakeholders. Comments/ recommendations were received from said stakeholders and reviewed.

### **The Animals (Disease and Importation) Act**

The draft Cabinet Submission and submitted to external stakeholders for comments/recommendations.

### **Principal Focus – 2022/2023**

<b>Relevant MOAF Priority 1. Policy (/ies)</b>	Strengthen the capacity of Ministry and its portfolio entities to efficiently and effectively implement policies, programmes and projects
<b>Programme:</b>	001 Executive Direction and Administration
<b>Sub-Programme:</b>	02 Policy, Planning, and Development
<b>Priority Initiative(/s):</b>	Executive Oversight and Support
<b>Key Activities and Targets for FY2022/23:</b>	
Continued work on legislation: <ul style="list-style-type: none"><li>• Praedial Larceny Prevention Act</li><li>• Repeal of the Plants (Quarantine) Act &amp; Enact Plant Health Act</li><li>• The Animal (Diseases and Importation) Act</li><li>• The Irrigation (Validation and Indemnity) Act 2022</li><li>• Agriculture Produce Act</li></ul>	

## **5.0 MOAF's FY2021/2022 Performance**

The Ministry and its portfolio Agencies implemented their initiatives within the framework of GOJ's strategic priorities, the National Vision 2030 MTF 2018 – 2021, the Economic Growth Agenda "5 in 4" Plan, the GOJ's COVID-19 Recovery Plan and the current state of the agriculture and fisheries sector:

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## MINISTRY SPECIFIC INITIATIVES

### **Praedial Larceny Prevention Coordination**

**Mission:** To develop an effective framework for addressing praedial larceny and protecting the farmers of Jamaica through initiatives aimed at partnering with stakeholders, sharing information, effective enforcement and coordinating activities using innovation and technological advancements.

#### **Planned Targets for 2021/2022:**

For the financial year 2021/2022, the areas of focus were to execute the following activities:

##### **1. Coordination of Farm theft (Enforcement & Compliance)**

- On-going police operations
- Increase patrols of farming districts
- Vehicular stop and search activities
- Farm Visits /Security Assessments
- Investigation of reported cases

##### **2. Direction & Administration**

- Ongoing stakeholder consultations with industry players to identify feasible measures to cauterize the problem of praedial larceny
- Capacity Building sessions for members of the judiciary/constabulary Create greater awareness and to strengthen the enforcement initiatives of the JCF in praedial larceny investigation, prevention and risk reduction
- Review of key legislations that guides the work of PLPCU - primarily the Agricultural Produce Act and the Praedial Larceny Prevention Act
- Maintenance of an ongoing public education Hosting of sensitization sessions for farmers
- maintenance of an ongoing public education Creation of Public Service Announcements (PSAs)
- Biennial Praedial Larceny Prevention Essay/Jingle Competition

### **Key Achievements – 2021/2022**

#### **Enforcement and Compliance**

As at March 31, 2022, there were:

- 44,861 farm visits and 13 security assessments conducted
- 491 reports were made to the police
- 46 farm watch groups were established
- 105 special operation was conducted
- 140 arrests have been made and over 80 animals recovered and/or returned to owners.

### **Institutional Arrangement /Inter-Agency Support:**

Six (6) capacity building sessions were conducted with police officers across St. James, St. Ann, Trelawny, Portland, Manchester and Hanover. A total of 101 police officers were trained on how to effectively investigate praedial larceny cases and prepare case files. The Praedial Larceny Prevention Enforcement Guide was reviewed to incorporate new and amended legislations and is to be disseminated to local police stations.

The Unit has re-engaged judiciary support through the Judiciary Educational Institute of Jamaica (JEIJ) to facilitate the sensitization of Clerks of the Court and Resident Magistrates to the deleterious impact of praedial larceny on the agricultural sector and farming communities. A seminar is to be planned during the 1st quarter of the 2022/2023 financial year.

Ongoing stakeholder consultations with industry players to identify feasible measures to cauterize the problem of praedial larceny, to include among other things the establishment of farm watch groups and conduction security assessments.

The Unit has collaborated with the JCF Safety and Security Branch, RADA, JAS, and NFA to discuss formalizing the Farm Watch/Beach Watch programme to build farmer and fisherfolks capacity to reduce vulnerabilities to theft.

Continue to partner with RADA and JAS to promote the sale and usage of the Agricultural Produce Receipt Books

Consultation is on-going with the JCF regarding the expansion of the dataset field being recorded in the JCF database – to capture both detected and reported offenses, and the tracking of court cases.

### **Legislative Review**

The proposed amendments to the Agricultural Produce Act were approved by Cabinet on November 15, 2021. Revisions have been proposed to include an increase in the types of crops and livestock covered under the Act; adjustment to the receipts to be used by farmers and dealers and the expansion of the definitions in the legislation.

A similar submission was drafted by the Legal Services Unit in January 2022 for The Praedial Larceny (Prevention) Act and was submitted to ministry partners for general feedback and no objections. The proposed amendments are to strengthen enforcement measures and penalties.

### **Public Education**

The Unit utilizes a number of mediums to continually sensitize the general populace, ranging from interviews on TVJ, RJR, Power 106's Farm Talk/Nationwide FM; the production and placement of radio Public Service Announcements (PSAs), and sensitization sessions.

The Unit has participated in 23 public sensitization activities to include community meetings, farm visits - sensitization in Coronation Market in collaboration with the Community Safety & Security Branch, and 3 praedial larceny sensitizations held in St. Andrew, approximately 350 farmers sensitized, three (3) virtual sensitizations targeting purveyors, retailers and wholesalers, and two (2) butcher's clinic sensitizations. These meetings included the participation of

stakeholder organizations such as the Jamaica Agricultural Society (JAS), Rural Agricultural Development Authority (RADA), Jamaica Constabulary Force (JCF) and the Veterinary Services Division (VSD), Jamaica Fire Brigade, Public Health Department, and Crime Stop and provided an opportunity for residents of farming communities to get the correct information from key stakeholders about how they can participate in the process of risk reduction and farm theft prevention (provide guidance regarding the reporting of cases, effectively treating with trespassing, registration and the use of the agricultural receipt books) as well as, for the Unit to assess the impact of farm theft in the parish from the farmers' perspective.

The Unit arranged the first in a series of Farm Security Webinar in February 2022 under the theme: 'Strengthening Food Security through Technology, Innovation and Policies (TIPs)'. This series represent one of the primary ways in which the Unit is foregrounding farm security as an important facet of its praedial larceny prevention methodologies – anticipating and addressing issues farmers faced, and covered farm security basics, prevention mechanisms and security solutions. A total of 150 persons joined virtually.

Since August 2020, **Know the Facts** content regarding praedial larceny related legislations and farm safety tips have been developed in partnership with the Communications and Public Relations Unit for upload on the Ministry's social media pages; this is ongoing.

Development and placement of a PSA on the radio providing farm safety tips to farmers, printed collateral materials such as brochures which encouraged the purchase of the receipt books, provided farm safety tips and contact for division JCF officers to report incidences of farm theft.

Seven radio interviews were conducted – including Agro buzz features discussing the Farm Security Webinar takeaways and safety tips for farmers, and providing updates on the activities of the Unit. And 2 televisions interviews

### **Principal Focus – 2022/2023**

<b>Relevant Priority Policy (/ies)</b>	MOAF Strengthen the capacity of Ministry and its portfolio entities to efficiently and effectively implement policies, programmes and projects
<b>Programme:</b>	001 Executive Direction and Administration
<b>Sub-Programme:</b>	02 Policy, Planning, and Development
<b>Budget for FY2022/23:</b>	<b>\$12,218,000.00</b>
<b>Priority Initiative(/s):</b>	Stakeholder Engagements and Partnerships
<b>Key Activities and Targets for FY2022/23:</b>	
<ul style="list-style-type: none"> <li>• 100 farm visits</li> <li>• 12 farm security assessments</li> <li>• 10 joint praedial larceny-focused operations</li> <li>• Establishment of additional Praedial larceny units</li> <li>• Execution of Name and Shame Campaign</li> <li>• Establishment of 20 farm watch groups</li> <li>• 8 specialized trainings conducted with members of the judiciary/constabulary</li> <li>• 10 public sensitizations conducted – parish seminars, webinars, town halls, etc.</li> <li>• Allocation of Enforcement Guide to local police stations to assist with investigating praedial</li> </ul>	

larceny and farm theft related cases.

**For the 2022/2023 financial year, the Unit is giving immediate focus to the following:**

- Maintenance of a National Praedial Larceny database which is able to highlight and map Praedial Larceny Hotspots, Larceny types and frequency in collaboration with JCF's Geo Statistics Unit.
- Create a training curriculum for the proposed Agricultural Wardens Programme to strengthen the fight against praedial larceny and to assist the police in carrying out enforcement activities
- Continued capacity building sessions with members of the Jamaica Constabulary Force, and members of the judiciary
- The execution of a Regional Praedial Larceny Prevention Conference
- Establishment additional divisional units (short to medium term)
- The execution of public education initiatives such as seminars/town halls in hotspot areas
- The continued investigation of reported praedial larceny cases, to include police operations, farm visits and security assessments
- Continued legislative review
- Facilitate drone technology training for members of established Praedial Larceny Unit to patrol farming communities.
- Encourage greater use of technology to assist with the securing of farms
- To facilitate the establishment of Farm Watch/ Beach Watch groups to build farmer/fisher capacity to reduce vulnerability.
- To establish a Name and Shame Campaign which quarterly publishes within the print and electronic media the names and photos of convicted praedial larcenists.

## Public Gardens Division

**Mission:** To maximize the conservation of biodiversity in the public gardens and scenic avenues for research, education and recreation

### Alignment to Vision 2030 MTF 2018 – 2021

#### Planned Targets for 2021/2022

##### Initiative 38: Conservation and maintenance of biodiversity in Public Gardens and Scenic Avenues

- 10,000 persons using public gardens for recreation and/or research
- 3,500 of plant sales, 4 rentals agreements and 2 plant maintenance services acquired to generate income for AIA.
- 5% (44) increase on the plant species conserved and maintained
- 16,500 plants generated for sale/rental
- Identification of two areas for green spaces

##### Initiative 39: Public Gardens Expansion and Rehabilitation Projects

- Secure funding for rehabilitation works at Bath Botanical Gardens in St. Thomas
- Completion of Environmental Impact Assessment (EIA) for rehabilitation works at Castleton Botanical Gardens, St. Mary through EU and GOJ (£6M) year1
- Holland Bamboo Replanting Project completed with 3km of the Scenic Avenue replanted.

#### Key Achievements – 2021/2022

- 28,064 persons utilized the gardens for recreation and or research. The Gardens was utilized by various clients, both locally and international.
- A total AIA of \$3,566,000.00 was achieved through 4,694 plant sales, 145 soils sales, 27 plant rental agreements, 4 plant maintenance services.
- 682 plants species were conserved/maintained. Surpassed target by 1%. Gardens and Scenic Avenues were well maintained, where new plants were consistently introduced in the Gardens and Scenic Avenues. Additionally, the Nursery continuous to propagating new plants from plant collection drives
- 30,525 plants generated for sale/rentals. Surpassed target by 2%
- Submitted Project proposal to REDII for approval of external funding. Collaborated with stakeholders (TPDCo and St. Thomas Municipal Council) in developing a mitigation plan. Market plan finalized and liaised with two key stakeholders to the fund Project.
- The Rapid Ecological Assessment of the Wagwater, Rio Nuevo and Rio Bueno/White River WMUs is 60% complete. New completion target is July 2022. Inception Report was submitted by consultant and reviewed by steering Committee.

- 100% completion Holland Bamboo replanting project.
- Site visit with the Montpellier Research Station was conduct

**Principal Focus – 2022/2023**

<b>Relevant Priority Policy (/ies)</b>	MOAF Promote Market-Driven Production
<b>Programme:</b>	181 Agricultural Production, Productivity and Food Security
<b>Sub-Programme:</b>	25 Management of Public Gardens & Zoos
<b>Budget for FY2022/23:</b>	\$ 53,853,000.00
<b>Priority Initiative(/s):</b>	Conservation and Maintenance of Biodiversity in Public Gardens and Scenic Avenues Public Gardens Expansion and Rehabilitation Projects
<b>Key Activities and Targets for FY2022/23:</b>	
<ul style="list-style-type: none"> <li>• <b><u>Rehabilitation and Modernization of the Public Gardens</u></b> <ul style="list-style-type: none"> <li>○ Renovate Fern Gully Bathroom and Office</li> <li>○ Liaise with TPDCo &amp; REDI 11 to fund the development of Bath Botanical Gardens Rehabilitation Project</li> <li>○ Establish at least one rainwater harvesting system in Castleton and Cinchona Botanical Gardens</li> </ul> </li> <li>• <b><u>Conservation of local biodiversity</u></b> <ul style="list-style-type: none"> <li>○ Seek funding to repair/ construct an improved Shade House at the Head Office- to assist with increasing the germplasm in the gardens</li> <li>○ Increasing the access to local and endemic plants by the maintenance of the four Public Gardens and two Scenic Avenues</li> <li>○ Develop Fruit tree Nursery in Cinchona</li> <li>○ Increase products and services offered / Product diversification</li> <li>○ Training Staff in Conservation practices</li> </ul> </li> <li>• <b><u>Facilitate Research</u></b> <ul style="list-style-type: none"> <li>▪ Collaborate with R&amp;D for the Ministry's Fruit tree initiative.</li> <li>▪ Facilitate at least Two (2) research activities with UWI/CASE or other stakeholders.</li> <li>▪ Liaise with Heart NSTA for training &amp; Other Development Programmes</li> </ul> </li> <li>• <b><u>Increase in the awareness of the public gardens role in preserving biodiversity</u></b> <ul style="list-style-type: none"> <li>○ Develop marketing plan for the Gardens</li> <li>○ Collaborate with Stakeholders (TPDCo &amp; UDC) to implement a Marketing Campaign</li> <li>○ Collaborate with stakeholders to fund booklet on iconic trees in the Garden.</li> <li>○ Conduct Horticultural Seminar at Bath Botanical Gardens</li> <li>○ Conduct Castleton Botanical Garden Exposition</li> <li>○ Participate in government exposition as requested</li> </ul> </li> </ul>	

## Transformation and Modernization

### Corporate Services

**Mission:** To achieve an efficient, modern, productive and customer-centric Corporate Services Directorate that is empowered to facilitate the achievement of the strategic priorities of the Ministry and its entities.

### Planned Targets for 2021/2022

- 80% of internal clients satisfied with service
- 60% of external customers satisfied with service
- 12 outreach activities conducted to obtain customer feedback
- ICT Policy Developed
- 50% of planned training conducted
- 6 Modernization Activities conducted
- 60% completion of major infrastructural works
- 1 ICT upgrade conducted
- 70% of procurement request were completed with standards

### Key Achievements – 2021/2022

- 77% of internal clients satisfied with service
- 79% of external customers satisfied with service
- 7 Outreach activities conducted over the period
- 90% of planned trainings conducted with 816 officers trained
- 5 modernization activities carried out which included submission of PQPI and R&DD's organisational structure, engagement of consultants for the rationalization of JAS and Jamaica 4-H Clubs, winding up activities for ASSFPL and sensitization of Banana Board/JACRA on Merger.
- 83% procurement requests were completed within standard. A total of 348 of 383 requests were processed.
- The modernization of PQD remains a critical undertaking that is necessary to solidify effectiveness and efficiency in the execution of our safeguarding mandate and improves response to pest outbreak. The effort to modernize the Branch began in 2017 with a Consultancy looking at organizational review of the PQD structure. Consultancy was completed and awareness training began with staff. Since, 2017 the organization review went through several rounds of redrafting and repositioning to aligned the Branch's mandate the Ministry's strategic mandate.

### Other Achievements

- 1.46% or 60 Staff members were promoted
- 92% of 1815 requests/reported issues successfully addressed within agreed standard for ICT related matters

- Continued update and maintenance of Ministry's Records and Information Systems. Additionally, RIM procedure manual was developed and Records and Information Management Committee established.

**Principal Focus – 2022/2023**

<b>Relevant Priority Policy (/ies)</b>	MOAF Strengthen the capacity of Ministry and its portfolio entities to efficiently and effectively implement policies, programmes and projects
<b>Programme:</b>	001 Executive Direction and Administration
<b>Sub-Programme:</b>	01 Central Administration
<b>Budget for FY2022/23:</b>	\$50,355,000
<b>Priority Initiative(s):</b>	Human Resources management Administration and Asset Management Information technology and Communication Document & Records Management
<b>Key Activities and Targets for FY2022/23:</b>	
<ul style="list-style-type: none"> <li>80% Satisfaction rating (External)</li> <li>80% Satisfaction rating (Internal)</li> <li>Wind-up of the AASFPL company to conclude the amalgamation of the AIC</li> <li>Continued Modernization of PQ/PI, JAS and JACRA</li> </ul>	

### **i. Agricultural Competitiveness Programme Bridging Project (ACPBP)**

#### **Aim and Objectives**

The aim of the ACP Bridging Project was to continue the successes achieved under the former IDB/ACP project, addressing new challenges and constraints within the sector and providing an opportunity for safeguarding as well as the expansion of the domestic and international market for Jamaica's agricultural produce. The new ACP successor project is expected to benefit over 550 farmers, producers, investors, and processors.

The general objectives of this ACP Bridging Project are as follows:

- To strengthen the local agribusiness environment
- To increase productivity in agro-enterprises
- To promote greater market access
- To promote value added production towards greater export
- To improve access, management and efficient use of arable land

#### **Planned Targets for 2021/2022**

##### **Support to the Development of the Strawberry Industry:**

- Completion of variety trial at four (4) locations – Bodles, Orange River and Top Mountain Research Stations; and College of Agriculture, Science and Education (CASE)

##### **Support to the Development of the Mango Industry:**

- The clearance of sixty (60) acres of land (pilot project)
- The supply and installation of Main Irrigation System (for 60 acres)
- The supply and installation of On-farm Irrigation System (for 60 acres)
- The construction of a pump house (civil works)
- The supply and installation of pump and manifold
- The rehabilitation/construction of On-farm Access Ways and Water Channel Ways
- The propagation of seedlings for St. Julian and East Indian mango varieties
- Establishment of 60 acres of Mango Orchard
- Completion of Shade House Nurseries at the Bodles Research Station

### **Key Achievements – 2021/2022**

#### **Support to the Development of the Strawberry Industry:**

- Completed of variety trial at four (4) locations – Bodles, Orange River and Top Mountain Research Stations; and College of Agriculture, Science and Education (CASE)
- Procured of daughter plants to facilitate repeat variety trial

#### **Support to the Development of the Mango Industry:**

- Cleared sixty (60) acres of land to establish mango orchard (pilot project)
- Supplied and installed Main Irrigation System for the 60 acres
- Supplied and installed On-farm Irrigation System for the 60 acres
- Constructed a pump house (civil works)
- Supplied and installed pump and manifold
- Rehabilitated/constructed On-farm Access Ways and Water Channel Ways
- Propagation of seedlings for the St. Julian and East Indian mango varieties
- Completed Shade House Nurseries at the Bodles Research Station

### **Principal Focus – 2022/2023**

<b>Relevant Priority Policies</b>	<b>MOAF</b>	<ul style="list-style-type: none"> <li>• Promote Market-Driven Production</li> <li>• Implement the Agri-Business Sector Strategy</li> <li>• Implement the modernization of the agricultural sector</li> <li>• Strengthen the capacity of Ministry and its portfolio entities to efficiently and effectively implement policies, programmes and projects</li> </ul>
<b>Programme:</b>	<b>181 Agricultural Production, Productivity and Food Security</b>	
<b>Sub-Programme:</b>	<b>27 Agro-Industry Development</b>	
<b>Budget for FY2022/23:</b>	<b>J\$215,429,000.00</b>	
<b>Priority Initiative(s):</b>	<b>Agricultural Competitiveness Programme Bridging Project</b>	
<b>Key Activities and Targets for FY2022/23:</b>	<b>N/A.</b>	
<b>The Project closed on March 31, 2022.</b>		

## **ii. Rehabilitation of Research Centres (Bodles Redevelopment Project - BRP)**

The main objective of the BRP is to rehabilitate selected facilities at the Bodles Research Station which impact directly the level of support given to farmers. This will include

- Rehabilitation of offices, residences and sanitary facilities;
- Overhaul of security systems;
- Construction of dairy cattle barn;
- Design of a new piggery;
- Upgrade of irrigation system and solid waste disposal system;
- Renovation of Bio-Control Laboratory;
- Construction of aeroponics/hydroponics system;
- Rehabilitation of crop research and customer service offices;
- Capacity building and institutional strengthening.

### **Planned Targets and FY2021/22**

- Construction of perimeter Wall
- Renovation of Hardening Facility
- Renovation of Milking System (additional works at the dairy Parlour)
- Upgrade of Irrigation System
- Upgrade of Domestic Pipeline and Storage
- Commissioning of Domestic well
- Purchase of two Tractors
- Installation of Security access control in Animal Nutrition Lab.
- Payment of fees to Municipal Council for Livestock Complex drawings
- Payment to fees to Consultant to submit Drawings to duplicate and submit drawings to Council
- Procurement of Herd Management System
- Design of New Piggery
- Procurement for Small Ruminant House
- Design and construct U & RipRap Drain
- Procure and install Generator switch
- Re-construction of earthen Pond at Fruit Tree nursery
- Installation of Pond liner in earthen Pond

### **Key Achievements for FY2021/2022**

- Perimeter Wall Constructed
- Hardening Facility renovated
- Milking System installed & additional works at the Dairy Parlour completed

- Payment of fees to Municipal Council for Livestock Complex drawings completed
- Payment of fees to Consultant to duplicate and submit drawings to Council completed
- Domestic well Commissioned
- Security access control in Animal Nutrition Lab. Completed
- Design of New Piggery completed
- Design and BQ for Small Ruminant House completed
- U & RipRap Drain Designed and constructed
- Generator switch Procured and installed Earthen Pond at Fruit Tree nursery and re-constructed of Pond liner for earthen Pond procured;

### **Principal Focus – 2022/2023**

<b>Relevant Priority Policy (/ies)</b>	<b>MOAF 3.</b> Strengthen the capacity of Ministry and its portfolio entities to efficiently and effectively implement policies, programmes and projects
<b>Programme:</b>	181 Agricultural Production, Productivity and Food Security
<b>Sub-Programme:</b>	21 Agricultural Research & Development
<b>Budget for FY2022/23:</b>	\$105M
<b>Priority Initiative(s):</b>	Rehabilitation of Research Centres (Bodles Redevelopment Project)
<b>Key Activities and Targets for FY2022/23:</b>	
<ul style="list-style-type: none"> <li>• Construction of Small Ruminant House</li> <li>• Installation of fencing for Pond at Fruit Tree Nursery</li> <li>• Water storage tank procured and installed</li> <li>• Renovation of Milk Testing Laboratory</li> <li>• Procurement and Installation of Herd Management System</li> <li>• Payment to adjust Calf Pen Drawings</li> <li>• Payment to Municipal Council to review Piggery drawings</li> </ul>	

### **iii. Essex Valley Agricultural Development Project (EVADP)**

The Government of Jamaica (GOJ) in July 2017 received grant funding from the United Kingdom Caribbean Infrastructure Partnership Fund (UKCIF) administered through the Caribbean Development Bank (CDB) in an amount equivalent to £35,515,000, towards the cost of the Essex Valley Agriculture Development Project (EVADP) with an original implementation date of August 31, 2022 but now extended to June 2023.

Transformation of the Irrigation sector is essential to sustainable growth of agriculture in Jamaica. The effects of climate change is projected to result in more frequent and longer periods of drought and more unpredictable rainfall patterns with more intensity when it occurs. This has the effect of severely reducing the dependability of rainfall as the primary source of water for agriculture. The project will positively impact the livelihoods of over 700 farmers on 718 hectares of land in the Essex Valley community of St. Elizabeth, through the provision of irrigation water and improved access to local and global agricultural markets. It also promotes the use of agro-processing facilities to take off excess production.

The major components under EVADP are:

1. Improved Irrigation Systems
2. Enhanced Agricultural Production and Marketing Facilities and Systems (EAPMS)
3. Energy Efficiency Renewable Energy
4. Technical Assistance

The expected outcome of EVADP is “Enhanced production and productivity of farmers in a socially inclusive, gender equitable and climate sensitive manner.”

#### **Planned Targets for FY 2021/22**

- Completion of GIS survey and Climate Vulnerability Assessment
- Well drilling activities contracted and completed.
- Pipe Storage Yard Equipment Purchased and Insured
- Projected budget expenditure 723.097 million

#### **Key Achievements for FY 2021/22**

- Well drilling activities completed.
- Global G.A.P assessment phase 1 completed.
- Well Monitoring Information System completed and operational.
- Pipe Storage Yard Equipment purchased and insured.
- Contracting of – Pipe Supply & the Installation of pipelines, Rehabilitation of Roads and Drainage.
- Completion of drawings for Agriculture Buildings.

**Principal Focus for 2022/23**

<b>Relevant Priority Policy (/ies)</b>	MOAF Promote Market-Driven Production
<b>Programme:</b>	181 Agricultural Production, Productivity and Food Security
<b>Sub-Programme:</b>	22 Irrigation Services
<b>Budget for FY2022/23:</b>	\$2.67B
<b>Priority Initiative(s):</b>	Essex Valley Agriculture Development Project (EVADP)
<b>Key Activities and Targets for FY2022/23:</b>	
<ul style="list-style-type: none"> <li>• Building out of pipeline infrastructure – conveyance system</li> <li>• Commence the Installation of pipelines, Rehabilitation of Roads and Drainage Contracted</li> <li>• Contracting of – The supply of meters, hand held readers and software</li> <li>• Tendering of – Renewable Energy Systems</li> <li>• The engagement of JPS to supply power to the Pump Houses and Agri-Buildings</li> </ul>	

#### **iv. Promoting Community Based Climate Resilient Fisheries**

The Project focuses on climate change resilience of the local fisheries sector and more specifically on the access to improved livelihoods of local fishing and fish farming communities by assisting the development of fisheries policies and institutional capacity building among fishers and fish farmers. The objective of the Project is to enhance resilience to climate change among targeted fishing and aquaculture communities of Jamaica. The project will be implemented under the following components:

- Strengthening the Fisheries Policy and Regulatory Framework
- Diversification and Fisheries-based Alternative Livelihoods
- Capacity Building and Awareness Raising, and
- Project Management and Monitoring and Evaluation (M&E)

#### **Planned Target for 2021/2022**

- Develop a robust and climate-smart fisheries policy and regulatory framework
- Reduce vulnerability of the targeted fishing and fish farming communities to climate shocks
- Diversify and strengthen livelihood of targeted artisanal fishers and fish farmers

#### **Key Achievements for 2021/2022**

There were 12 Targeted Activities: 3 Completed, 7 in progress (2 near completion) and 2 has not started. Budget was \$77M. Expenditure is at \$70M as on March 2022. 90% of budget utilized.

<b>COMPONENT</b>	<b>ACTIVITY</b>	<b>PROGRESS</b>
One	Strategy and Action Plan to Strengthen the Fisheries Regulatory Policy and Framework	<b>In Progress</b>
	Strategy and Action Plan for Monitoring Control and Surveillance	<b>Completed</b>
Two	Management plan for Pelagic Fisheries (Stock Assessment)	<b>Completed</b>
	Purchase of Longline Vessel	<b>Procurement in Progress</b>
	Consultancy to Provide Assessment of Feed production for aquaculture sector	<b>90% completed</b>
	Procurement of Firm to complete drawing for Hatchery	<b>Procurement in Progress</b>
Three	Study Tour to Grenada	<b>Completed</b>
	Consultant to develop Campaign Strategy and Action Plan	<b>90% Completed</b>
	Special Advisory to Strengthen Fisheries Regulation and Policy	<b>60% Progress</b>
	Special Advisory Technical Supervisor for the Hatchery Upgrade	<b>In Progress</b>
	Consultancy to develop Agro Met Services	<b>In Progress</b>
	Consultancy to deliver Climate Projection	<b>Procurement in Progress</b>

## **Principal Focus for 2022/2023**

<b>Relevant MOAF Priority Policy(ies):</b>	Build resilient and sustainable fisheries sector
<b>Programme:</b>	<b>181</b> Agricultural Production, Productivity and Food Security
<b>Sub-Programme:</b>	<b>23</b> Fisheries Development
<b>Budget for FY2022/2023</b>	<b>J\$ 99.642M</b>
<b>Priority Initiative:</b>	Marine Fisheries Development Aquaculture Development
<b>Key Activities and Targets for FY2022/2023:</b>	
Continue work on:	
<ul style="list-style-type: none"><li>• Policy and regulatory framework for climate smart fisheries</li><li>• Procurement for one longline sea vessel</li><li>• Completed Design specifications for upgrade to fisheries Authority hatchery</li><li>• Prepare business plan for National Fisheries Authority hatchery</li><li>• Develop alternative feed production options and prepare business plan</li><li>• Conduct baseline assessment of gender and youth dynamics in the fisheries sector.</li></ul>	

## SUPPORTING PROGRAMMES

### Agricultural Land Management Division (ALMD)

**Mission:** To promote modern and sustainable land management practices in order to drive food security and enhance rural development in accordance with Government policy

#### Planned Targets for 2021/2022

- Cabinet approval for implementation of **Soil Fertility Mapping Project** – a joint initiative with National Institute of Agricultural Research (INRA), Morocco
- To increase by 20 % the number of laboratory reports completed
- To increase by 10% the number of samples (soil, plant tissue and water samples analysed by the Laboratory)
- To provide laboratory recommendations to stakeholders aimed at improving quality and quantity of crops
- To minimize the conversion of good agricultural lands to non-agricultural uses
- To review and update the Agricultural Land Use Policy (2016)
- To establish and maintain a database of land suitable for agriculture
- To increase the utilization of Geographic information system (GIS) in data collection and analysis of agricultural information
- To maintain regional and international linkages (FAO Global Soil Partnership)
- Increase public awareness on the importance of sustainable soil management
- Increased land use assessment and monitoring – to maximize the % of agricultural lands in crop production

#### Key Achievements – 2021/2022

- Cabinet approval was received to commence implementation of **the Soil Fertility Mapping Project in October 2021** (\$28 million in Supplementary Budget)
- Re-establishment of the Soil Health Committee to implement research and engage a public awareness programme on sustainable soil management
- **155 reports** submitted to NEPA based on requests as part of the Development Approval Process to provide recommendations to NEPA and Municipal Cooperation
- **24 Change of use** requests processed
- **49 reports** submitted to Mines and Geology Division based on requests for recommendations for approval of quarry licence.
- **13 staff** participated in training course **Soil Fertility Analysis, Laboratory Techniques and GIS Mapping** – a component under the Soil Fertility Mapping Project

#### Achievement of targets from SBP and OP

- **180 Laboratory reports** completed

- **891 Samples** collected (soil , plant tissue and water) )
- **\$1,654,030** Total revenue collected
- Reviewed the 2016 Agricultural Land Use Policy and recommendations for update provided
- Technical Forum held in Essex Valley St Elizabeth under the theme “**Halt Soil Salinization , Protect Soil Biodiversity**” to celebrate World Soil Day, December 5 2021

**Principal Focus – 2022/2023**

<b>Relevant MOAF Priority Policy (/ies)</b>	Modernization of the Agricultural Sector then the capacity of Ministry and its portfolio entities to efficiently and effectively implement policies, programmes and projects
<b>Programme:</b>	181 Agricultural Production, Productivity and Food Security
<b>Sub-Programme:</b>	20 Agricultural Health and Food Safety
<b>Budget for FY2022/23:</b>	\$ 102,056,000
<b>Priority Initiative(s):</b>	Soil Fertility Mapping Project Land Management Services
<b>Key Activities and Targets for FY2022/23:</b>	
<ul style="list-style-type: none"> <li>• To establish and monitor at least 3 crop trial sites (Soil Fertility Mapping Project</li> <li>• To conduct soil sampling and mapping of soil type in Essex Valley</li> <li>• To provide technical advice on soil health – # laboratory analysis reports based on requests for services</li> <li>• To minimize the rate of conversion of lands suitable for agriculture to other uses</li> <li>• To review and update the Agricultural Land Use Policy</li> <li>• To increase revenue by 15% through public education and sensitization of farmers</li> </ul>	

## **Agricultural Marketing Information Division (AMID)**

**Mission:** Provide internal and external clients with a first-rate marketing information and statistical service through the timely collection, storage and dissemination of accurate data and analyses on the agricultural sector to facilitate the formulation of policies and programmes to guide its orderly growth and development.

### **Planned Targets for 2021/2022**

- 4 Quarterly farmgate/ market report
- Generate and distribute weekly reports on prices of agricultural commodities
- 4 Quarterly domestic crop production reports
- 14 crop yield and area measurement field exercises in key production zones
- Monthly Market analysis for importation of meats, vegetables, onion and Irish potato.
- Periodic market analysis for domestic production for eggs and poultry meat

### **Key Achievements – 2021/2022**

- 4 Quarterly farm gate/ market reports completed
- Weekly reports on prices of agricultural commodities generated and distributed
- 4 Quarterly domestic crop production reports completed
- 14 crop yield and area measurement field exercises in key production zones conducted
- Conducted monthly market analysis for importation of meats, vegetables, onion and Irish potato.
- Periodic market analysis for domestic production for eggs and poultry meat completed

### Other Achievements

Provide support information and analyses to the Ministry's Production and Productivity programme.

**Principal Focus – 2022/2023**

<b>Relevant Priority Policy (/ies)</b>	<b>MOAF</b>	<ul style="list-style-type: none"> <li>• Promote Market-Driven Production</li> <li>• Strengthen the capacity of Ministry and its portfolio entities to efficiently and effectively implement policies, programmes and projects</li> </ul>
<b>Programme:</b>	001 Executive Direction and Administration	
<b>Sub-Programme:</b>	02 Policy, Planning, and Development	
<b>Budget for FY2022/23:</b>	\$122.9 M	
<b>Priority Initiative(/s):</b>	Stakeholder Engagement and Partnerships	
<b>Key Activities and Targets for FY2022/23:</b>		
<ul style="list-style-type: none"> <li>• Collection, storage, dissemination of data and reports in support of government and private sector planning, and National Income statutory reporting.</li> <li>• 5 databases maintained and updated</li> <li>• 72 statistical analyses/reports/market analyses produced and disseminated</li> <li>• 8 stakeholder consultation meetings</li> <li>• 85% local consumption satisfied by local production</li> </ul>		

## **Agricultural Research and Development**

### **Division Name: Research and Development Division (R&DD)**

**Mission:** To generate, promote and transfer technology for the sustainable development of a modern, efficient and competitive agriculture sector and agroindustry through partnerships, the development of human capital and innovation.

#### **Planned Targets for 2021/2022**

##### **Recurrent**

###### **Activity 20 - Livestock Research and Improvement:**

- Conservation and utilization of livestock genetic resources with climate resilient traits for increased livestock production and productivity
- Conservation and utilization of local fodder resources in drought mitigation

###### **Activity 21 - Crop Research & Development**

- On- Station/Farm crop production systems that facilitate access by farmers to plant genetic resources with desirable traits
- 30% increase in volume of certified quality planting material produced and made available to stakeholders

###### **Activity 12080 -Protection of Jamaica's Plant Genetic Resources for Food & Nutrition Security**

- Conservation and sustainable use of plant genetic resources – Systems implemented to support expansion of local seed value chain

###### **Activity 22 - Plant Protection and Apiculture**

- Plant Protection Technologies compatible with integrated pest management systems to advance food security and safety
- Pest surveillance and monitoring to reduce risk of impact of select economically important target pests of crops on crop production systems
- Pest surveillance and monitoring to reduce risk of impact of select economically important target pests of bees on the beekeeping industry

###### **Activity 24 Post Entry Quarantine**

- Standardized and accredited systems of detection, for the identification and elimination of harmful disease-causing agents in imported germplasm and commercial planting material
- Safe introduction and multiplication of clean foundation stock for plant breeding studies and mass propagation of clean planting material

## Public Investment Projects

### Rehabilitation of Research Centres 20172

- Rehabilitation of selected facilities at the Bodles Research Station which impact directly the level of support given to farmers
- Strengthen agriculture research institutions and programme

### Key Achievements – 2021/2022

- >10% Increase in highly trained and competent staff
- 10 % Increase in collaborative research services(support to Bernard lodge, JACRA, Red Stripe)
- 11 R&DD Webinars held with 356 stakeholders.
  - 23 Webinars conducted targeting Jamaican Bee farmers in Jamaica and the region, with approx. 50 farmers attending each session exposed to existing and new technologies in the sector
- Pest & Disease Mgmt. Training:
  - 154 farmers trained
  - 30 - Identification and management of onion pests and diseases
  - 30 - Ginger rhizome rot
  - 20 - Identification and management of bacterial soft rot of scallion
  - 44 - Beet Armyworm identification and Management.
  - 30 - Identification of ginger pests
- Adapted technologies that improve production and productivity
  - 1 ac - ecoSolv water enhancer trial; eco Agra bio-stimulant evaluation
  - 0.6ac trial to assess the efficacy of Powerful Plant Grower (PPG) on growth and yield.
  - Evaluation of Stoller products and protocols on the growth and yield of 3 ginger varieties grown in shade house
- Support the National Fruit Tree Programme;
  - 56,140 sweet potato slips to 14 stakeholders
  - 13,634 Ginger rhizomes using Single Bud Technology (SBT)
  - >150,800 Turmeric seedlings
  - 4500 Cacao plants grafted of 35000 seedlings
  - 209,409 Scotch Bonnet seedlings valuing \$2,512,908 to 76 stakeholders
  - 33lbs of hot pepper seeds valuing \$1,450,000 to 114 stakeholders
- Crop species evaluated for climate/pest disease resilient traits
  - SB Cycle screened for tolerance to TEV, PVY, Bacterial Spot
- Roots & Tubers - 3 Sweet potato varieties; 3 Ginger varieties; 1 Turmeric variety using Single Bud Technology (SBT)

- Increase in access by stakeholders to plant genetic resources with known desirable traits
  - 2 varieties of corn ; 2 varieties of pigeon peas from U.W.I St. Augustine
  - Root and tubers - 7 Cassava varieties; 1 Turmeric variety; 18 sweet potato varieties
  - Horticulture and Field Crops -7 Sorrel varieties; 5 hot pepper varieties
  - Fruit trees – species
- Continued utilization of artificial insemination and measurement of breeding and reproductive performance parameters for swine, small ruminants, dairy and beef cattle
- Research proposal submitted and pre-trials commenced into the viability of hydroponic fodder systems for use during times of water and forage scarcity
- Surveys Conducted
  - 7 Crop protection products evaluated for companies seeking registration with PCA
  - of 500 Cacao clones assessed at Orange River Station for Frosty Pod Rot disease showed resistance
- 12 reports generated and disseminated thru RADA to farmers re beet armyworm pest forecasting for 5 parishes benefitting over 3000 onion ad scallion farmers
- No clinical symptoms of AFB detected. Incidence of pest and disease was <5%
- Increased access to technologies that support the use of integrated pest management to mitigate losses and advance food security and safety
  - 154 farmers trained
  - 30 - Identification and management of onion pests and diseases
  - 30 - Ginger rhizome rot
  - 20 - Identification and management of bacterial soft rot of scallion
  - 44 - Beet Armyworm identification and Management.
  - 30 - Identification of ginger pests
  - 1 brochure on bacterial soft rot of scallion disseminated
- Priority crops and apiaries monitored and assessed for pest prevalence and pesticide resistance development
  - 6 crops - Onion, Escallion, Ginger, Turmeric, Cacao, Citrus - surveyed and reports submitted
  - 16,801 of 21,882 hives inspected in 1220 apiary visits
- crops supported by accredited screening and testing methodologies
  - 70 citrus, 4 ginger, 5 sweet potato, 4 yam
  - tissue culture and aeroponics
- 5 crops with protocols for Clean Seed Programme

## **Other Achievements**

### **Crop & Plant Protection Research**

- Implement the National Clean Seed Programme
  - Produced clean planting material upon request of sweet potato varieties Yellow Belly, Uplifter, Clarendon for farmers: 56,140 slips to 14 stakeholders

- Support the Citrus Certification Programme
- Production of 13,634 Ginger rhizomes using Single Bud Technology (SBT) to infuse clean planting material into local production systems for six ginger nurseries in five parishes as a mitigation strategy to manage the ginger rhizome rot disease complex. In collaboration with JACRA/FAO
- Over 150,800 Turmeric seedlings were produced using single Bud Technology at the Montpelier Research Station, St. James to supply farmers under the National Tumeric Pilot programme targeting 20 acres for commercial production of turmeric. collaboration with JACRA/FAO
- On-going production Cacao plants grafted with the scions of the tolerant ICS 95 variety in support of mitigating the effects of the Frosty Pod Rot Disease: 4500 plants grafted of 35000 seedlings
- Produced 209,409 Scotch Bonnet seedlings valuing \$2,512,908 for 76 stakeholders with support from the Production Incentive Programme (PIP)
- Produced 33lbs of hot pepper seeds valuing \$1,450,000 for 114 stakeholders with support from the PIP
- Assessment of imported varieties
  - Evaluation of the Florida Brilliance strawberry variety to determine yield and adaptability for recommendation to and uptake by the local strawberry industry: 1000 plants received and evaluated across four (4) research locations that captured different agro-ecological zones.
- New and Upgraded Facilities
  - New - Biocontrol Facility: - Produce biocontrol organisms for pest and disease management
  - Upgraded - Post harvest Laboratory:- conduct simple post harvest tests such as dry matter, brix levels, starch levels as a means of biochemical characterization as well as determine the influence on shelf life
  - Upgraded - Medium & High Technology greenhouses: - mass production of vegetative propagules in support of the Clean Seed Programme
  - Upgraded - Fruit Tree Nursery Shade houses with support from the PIP and ACPBP to facilitate:
    - the production of 20, 000 mango plants for the National Mango project
    - the production of fruit trees for the 1 Million Fruit Tree project

### **COVID - Support - Sugar Subsidy project**

The Apiculture Unit purchased 1,090 bags of 50kg sugar from Worthy Park Limited from Covid Recovery Funds amounting to \$4,985,000.00. The sugar was distributed to 423 or approximately 12% of the beekeepers island wide.

- ACP bridging project
  - Establishment of >1000 bare root plants of imported strawberry plants of new variety Florida Brilliance to determine yield and adaptability
- National Fruit tree planting initiative
  - 25, 466 fruit tree plants produced exceeded target of 10,000 plants

- Webinar Series held to share current cutting edge technologies with stakeholders: 11 sessions held with 356 stakeholders.
- 23 Webinars conducted targeting Jamaican Bee farmers in Jamaica and the region, with approx. 50 farmers attending each session exposed to existing and new technologies in the sector
- Bee farmer training: 6,616 farmers participated in training exercises

### **Livestock Improvement**

- Conducted refresher training sessions in research methodology for Livestock staff
- Web of Science Proposal for the access of researchers to online search and discovery platform negotiated.
- Advanced process of international accreditation of plant health and animal nutrition laboratories for ISO standard 17025 for improved testing capacity and reduced turnaround time of results (75% complete)
- Completed renovations at the Animal Nutrition and Forage Research Laboratory: sample testing commenced (67 samples received; tested and report written); price listing for existing and new services being updated
- Completed renovations and technological upgrade of the dairy cattle milking parlour- twice-a-day milking recommenced; continued use of the recently built Climate-Smart Barn by the dairy unit to reduce stressors affecting production performance

### **Principal Focus – 2022/2023**

<b>Relevant MOAF Priority Policy (/ies)</b>	<ul style="list-style-type: none"> <li>• Promote Market-Driven Production</li> <li>• Establish a National Livestock Framework</li> </ul>
<b>Programme:</b>	181 Agricultural Production, Productivity and Food Security
<b>Sub-Programme:</b>	21 Agricultural Research & Development
<b>Budget for FY2022/23:</b>	\$552,430.0 M
<b>Priority Initiative(s):</b>	<ul style="list-style-type: none"> <li>• Collaborative Research Support Services</li> <li>• Crop and Plant protection Research</li> <li>• Animal Breeding and Husbandry/Livestock Research</li> <li>• Epidemiology and Surveillance</li> </ul>
<b>Key Activities and Targets for FY2022/23:</b>	
Rehabilitation of Research Centres	
<ul style="list-style-type: none"> <li>• Construction of small ruminant house</li> <li>• Completion of upgrade of domestic water supply and irrigation system</li> <li>• Ongoing Rehabilitation of quality and quantity on-station pasture and fodder resources</li> <li>• Development of a framework for strengthening livestock breeding programme</li> <li>• Completion, submission and approval of PIMC proposal for RRCP2</li> </ul>	
Collaborative initiatives	
<ul style="list-style-type: none"> <li>• Implementation of seed policy action plan</li> <li>• Ginger and Tumeric Certification Programme</li> <li>• Development of Directory of Agriculture Support services</li> </ul>	

Production Incentives Programme

- National Fruit tree planting initiative
- Strawberry initiative
- Strengthen Agriculture health and food safety – MASP
- Clean Seed Programme
- Small ruminant expansion programme

## **Economic Planning Division**

### **Aims and Objectives**

To enhance the performance of all the sectors that fall under the purview of the Ministry through the formulation of policies, economic plans, programmes and projects within the National Plan.

### **Planned Targets for 2021/2022**

- Cost of production (COP) on 19 crops and livestock
- Develop 2 financial farm model
- Develop and submit project proposals
- Develop Climate adaptation project proposals;
- Provide technical support to policies, programmes, plans, projects as requested

### **Key Achievements for 2021/2022**

- Cost of production was done on 19 crops.
- 2 project concepts met the preliminary PIMSEC requirements and submitted to the TRC for assessment.
- A digital fabrication laboratory concept note in collaboration with IICA was developed and submitted to EU for acceptance and funding.
- 10 Cabinet Submission and 4 Cabinet Notes finalized and submitted to Cabinet
- 9 briefs and 2 Statements prepared and delivered

### **Principal Focus for 2022/2023**

#### **Relevant MOAF**

#### **Priority Policy (/ies):**

- Promote Market-Driven Production
- Strengthen the capacity of Ministry and its portfolio entities to efficiently and effectively implement policies, programmes and projects

<b>Programme:</b>	<b>001</b> Executive Direction and Administration
<b>Sub-Programme:</b>	<b>02</b> Policy, Planning and Development
<b>Budget for FY 2022/23:</b>	<b>\$36,679,000</b>
<b>Priority initiative:</b>	<ul style="list-style-type: none"> <li>• Strategic engagement and partnership</li> <li>• Executive oversight and Support</li> </ul>

#### **Key Activities and Targets for FY2022/2023:**

- 10 Year Agricultural Development Plan: Terms of Reference to submit to Caribbean Development Bank(CDB) for funding
- Cost of Production conducted on 20 Crops and 3 animals
- 2 farm models developed
- 4 proposals to be appraised and at least 2 submitted to PIMSEC
- Preparation of at least 4 Cabinet Notes/Submissions

## Plant Quarantine and Produce Inspection Branch (PQ/PI)

**Mission:** Our primary mandate is to safeguard Jamaica agricultural sector and plants from the introduction of pests of economic significance and to ensure the highest quality, pest free food safety approved fresh produce and other plant material are exported.

### Planned Targets for 2021/2022

- Increase the volume of mangoes exported
- Implementation of canine unit
- 2,400 inspections and certification of imports
- 8,000 imports permit for fresh produce
- 10 Pest risk assessments conducted
- 4 market access proposals and 8 Field ID guides and 2 technical manuals created
- 3,000 inspections and certification of exports
- 624 fumigation services provided
- Target staff for training canine unit
- 2,400 phytosanitary certificates issued
- Implementation of E-phyto system
- 1200 acres of disease management strategies employed in cocoa fields in Clarendon

### Key Achievements – 2021/2022

- 2,091 inspections and certification of imports
- 3,080 imports permit for fresh produce
- 17 Pest risk assessments conducted
- 7 market access proposals and 2 Field ID guides created
- 5,590 inspections and certification of exports
- 1,058 fumigation services provided
- 2,400 phytosanitary certificates issued
- 1,620.4 acres of disease management strategies employed, benefiting 825 farmers

### Achievement of targets from SBP and OP

#### **International Year of Plant Health 2020- Jamaica led on the World Stage for the IYPH despite impact of Covid-19**

Jamaica continued the celebration of the United Nations General Assembly declaration of 2020 as the International Year of Plant Health (IYPH) was extended into financial year 2021/2022. In this context, many events were organised to continue raising awareness on how protecting plant health can help end hunger, reduce poverty, protect the environment, and boost economic development. Whilst Covid-19 impacted on the physical activities planned; Jamaica did participate in an international video competition to increase the visibility of plant health research activities and raise awareness to the non-scientific community. The country submitted two videos on research in Frosty Pod Rot and Beet Army work and has copped the first and third

place. This accomplishment was announced by the International Plant Protection Convention and promoted internationally throughout 2021.

### **Advanced the Ministry's Canine Programme to have our Agriculture Canine Handlers trained by Mexico**

The Branch took the necessary steps to continue finalizing the PQ/JCF Memorandum of Understanding and make preparation to procure a new transportation for the canine handlers and canine.

### **Mango Export to the USA Project (under the Irradiation Project)**

- **71% increase in mango exports for the mango season 2021.**
- Increase the number of farmers/farms participating in mango exports to USA from 6 in 2020 to **18 in 2021.**
- Maintain the extended varieties of mango exported to USA; Trini Graham, East Indian and St. Julian
- Continue to expand and increase the distribution of monitoring traps in mango producing areas.
- In preparation for the 2022 mango seasons the Branch has conducted one (1) farmer, one (1) exporter sensitization and one (1) inspector training session.

### **Implementation of Alternate Phytosanitary treatment Facility**

- Obtained approval and funding of J\$40 million dollars to procure three Consultancies to establish feasibility of the project.

### Other Achievements

### **Trade Facilitation Efforts by the Branch**

- The Branch's effort to re-pivot the business processes to accommodate **Expansion of the use of electronic phytosanitary certification (ePhyto) in 2020** continued into the financial year 2021. This further allowed for ease of doing business (trade facilitation) and Ministry's response to the outbreak of the Covid-19.
- The Ministry in response to the Covid-19, actively embarked on increasing the use of ePhyto in trade from **2360 in 2020** (January to December) to **2829 in the 2021**.
- Jamaica has also further expanded the number of countries trading electronic phytosanitary certificate from 30 countries (Including EU 27 countries) to 32 (new members include Mexico, and Uganda).
- **Outstation** – in order to further facilitate certification of non-commercial and small ecommerce shipments of plant products, the Branch established and implemented outstations in Portland, Manchester and St Elizabeth in the final quarter of the year

2021. This initiative is now providing ease of doing business for exporters that are located in far eastern and central areas of Jamaica.

- Plant Quarantine Import System continues to issue Plant Import Permit on the Jamaica Single Window for Trade (JSWIFT). The first phase started on March 1, 2021 with traders (importers/exporters) being able to conduct business with the Branch remotely: Since April 1, 2021 the Branch issued 3080 permits on the JSWIFT platform. Further, the **Branch also implemented the Pest Risk Analysis Application process on the Single Window system in 2021**. Applicants are now able to make an application to import an item from a country Jamaica has never traded with or trading a new product for the first time.

#### **Accreditation of our import PQD inspection processes/ inspectorate**

- The PQD has started the process to obtain accreditation for the Branch in ISO 17020 for its business processes in relation to import of plants and plant products to insight confidence in our operations as an inspection body. Branch has already conducted training for managers and general staff in knowledge and understanding of the **ISO 17020 standards and document control**.

#### **Resumption of Exports of Mangoes and other Soft Fruits to the United Kingdom**

- Jamaica has started export of mangoes and other soft fruits obtaining clearance to resume the export of mangoes and other soft fruits to the United Kingdom (Scotland, England and Wales) in accordance with the United Kingdom Plant Health (Phytosanitary Conditions) (Amendments) (EU Exit) Regulations 2020. This clearance came as a result of Jamaica submitted the requisite country declaration required by the UK in compliance with the new regulation and received official clearance to commence export of commodities (mangoes, pineapple, coconut, citrus, cotton, banana, palms and guava) that were previously self-banned in 2014 by Jamaica due to pest interceptions.

**For the 2021 mango season Jamaica exported 209,960 kilograms of mango to the UK representing 30.5% of the total export of mangoes. The Branch expects this current trend will continue for the 2022 mango season.**

#### **Mango export under Hot water Treatment Programme to the USA**

- Jamaica obtained approval from the United States of America Department of Agriculture for a facility to be constructed for hot water treatment of mangoes (and soft fruits) as an alternative to irradiation in 2021. We await the action of the investor to indicate readiness to commence development of the facility.

#### **Safeguarding of our Borders Initiatives:**

In recognizing the continued need to implement enhance systems that are geared towards protecting Jamaica's agriculture and in particular the production yield of 10 of our 12

agricultural priority crops affected by plant pests, the Ministry through its Plant Quarantine Division continues to:

- **Refine and maintain Public Service Announcement in the 2 international airports** with a message that seeks voluntary compliance from the travelling public in declaring agricultural produce and other plants being imported that may be infested with pests.
- **Revised and implemented the Agricultural Amnesty Bins at 2 international airports** to further encourage voluntary compliance.
- Continue to collaborate with Jamaica Customs Agency and trained **Customs Officers in safeguarding borders from plant pests**.
- Conduct training Safeguarding session with Currier service agents to include the **Postal Service, DHL and Fedex**.
- Conduct several in-house training sessions for **Plant Quarantine Inspectors throughout the year**.

### **Clean Seed Certification Programme**

- The Branch has been collaborating with Research and Development Division and the Jamaica Agriculture Commodities Regulatory Authority to execute monitoring and certification activities for G1 and G2 Ginger seedlings and nurseries.
- The Branch continues to work in the background to establish a clean seed regulation as a product of the new Plants Quarantine Act.

### **Surveillance for Tuta absoluta (Tomato Leaf miner) pest of solanaceous fruits**

Tomato Leaf miner is a quarantine pest for Jamaica and affects economic crops such as tomato and potatoes. The pest has been identified in Haiti and therefore presents an imminent threat for Jamaica. Since the execution of a detection survey in December 2020 and subsequent training of farmers and other key stakeholders the Branch achieved the following:

- Continue monitoring traps in high production areas for solanaceous crops i.e. 39 monitoring traps for tomato leaf miner in 8 parishes.
- Conducted one table top simulation exercise in an effort to enhance emergency response preparedness activities.

### **Infrastructure Works**

- Replacement of the Fire Protection system at the Montego Bay Export Complex.
- Architectural and Structural Drawings for a new PQD head office were 80% and 100% completed respectively.
- Roof and Fencing for the Kingston Export Complex is 40% completed as the Facilities and Property Management Division has had major challenges with the contractor completing the work.
- Completed the Installation of the External Fuel Tank for the generator in Montego Bay

- Installation of the Fire Hose Reel at the Montego bay Export complex
- New Incinerator at the Kingston Airport was operationalized in 2021

**Principal Focus – 2022/2023**

<b>Relevant MOAF Priority Policy (/ies)</b>	<ul style="list-style-type: none"> <li>• Promote Market-Driven Production</li> <li>• Implement the Agri-Business Sector Strategy</li> <li>• Modernization of the Agricultural Sector</li> <li>• Strengthen the capacity of Ministry and its portfolio entities to efficiently and effectively implement policies, programmes and projects</li> </ul>
<b>Programme:</b>	181 Agricultural Production, Productivity and Food Security
<b>Sub-Programme:</b>	20 Agricultural Health and Food Safety
<b>Budget for FY2022/23:</b>	\$ 362,199,00 (inclusive of 98,000,791 for FPR)
<b>Priority Initiative(s):</b>	<ul style="list-style-type: none"> <li>• Canine Detection Initiative</li> <li>• Pest and Disease Surveillance Management</li> <li>• Export Facilitation</li> <li>• Frosty Pod Rot Management Project</li> <li>• Implementation of the National Seed Policy</li> </ul>
<b>Key Activities and Targets for FY2022/2023:</b>	
<ul style="list-style-type: none"> <li>• Inspection and Certification of Imported plants and Regulated products – 2500 Inspections</li> <li>• Processing of Import Permits for Plants and regulated products – 2400 permit</li> <li>• Conduct Preliminary Pest Risk Assessment –six (6) Pest Risk Analysis</li> <li>• Conduct Full Pest Risk Assessments- (3) Full Pest Risk Analysis</li> <li>• Prepare Field ID sheets – Three (3) Field Guides</li> <li>• Prepare Market access proposal - 2 Market Access</li> <li>• Inspection and Certification of New packing House Facilities - Conduct monitoring and Inspection audits of Packing Facilities</li> <li>• Audit and Recertify existing packing Houses - Recertify packing house facilities in accordance with export requirements.</li> <li>• Inspection and Certification of Export – 2000 inspections (Inspection &amp; certification of exports done in a timely manner)</li> <li>• Conduct Fumigation of exports- 80 offsite fumigations and 600 On-site fumigation</li> <li>• Preparation of phytosanitary certificates/ ephytos – 2400 phytosanitary certificates and the E-Phyto system to be maintained for efficiency</li> <li>• Conduct compliance inspection of Cargo Vessels, Aircraft, Supermarkets, Markets, Heat Treatment facility and fields where crops are grown.</li> <li>• Support Trade Facilitation activities and continue to monitor the operation of the One Stop Shop.</li> <li>• Formalization of Third Party Agreement for Phytosanitary Treatment: Woodcats Heat Treatment facility for solid wood packaging material intended for trade.</li> </ul>	

## Project Management & Coordination Division

### Planned Targets for 2021/2022

- Liaise with 4 external Agencies for the benefit of the Agricultural sector
- Conduct 20 project and site visits
- Check accounting and administrative records of the division and projects
- Review Project budgets & Operational Plans & assess implementation plans and cash flows
- Review and Monitor project implementation and expenditure against performance indicator/output
- Manage human resource activities of the division

### Key Achievements – 2021/2022

- Liaised with 5 external Agencies for the benefit of the Agricultural sector
- 25 project and site visits conducted
- Reviewed 84 Project budgets & Operational Plans & assess implementation plans and cash flows
- Reviewed 72 project expenditure against performance
- Conducted 36 human resource activities of the Division

### Principal Focus – 2022/2023

<b>Relevant Priority Policy</b>	<b>MOAF</b> Strengthen the capacity of Ministry and its portfolio entities to efficiently and effectively implement policies, programmes and projects
<b>Programme:</b>	001 Executive Direction and Administration
<b>Sub-Programme:</b>	01 Central Administration
<b>Budget for FY2022/23:</b>	\$35,396,000
<b>Priority Initiative(s):</b>	Strategic Direction & Performance Monitoring
<b>Key Activities and Targets for FY2022/23:</b>	
<ul style="list-style-type: none"> <li>• Monitor &amp; coordinate the implementation of 6 Capital and 4 Recurrent Projects falling under the Ministry of Agriculture and Fisheries</li> <li>• Manage the human resource activities of the Division to achieve its strategic objectives</li> </ul>	

## Veterinary Services

### **Mission:**

The advancement of animal health and veterinary public health, animal welfare and the safety and security of foods of animal origin through the maintenance of a healthy and productive animal population.

### **Planned Targets for 2021/2022**

- Registration of cattle farms and tagging of cattle. **8,000** heads of cattle to be identified in FY 20/21. At least **2000** heads of cattle per quarter identified with NAITS ear tags and passports issued.
- Issue cattle passports. Monitor cattle movements.
- Conduct Risk Assessments and investigate reported disease occurrences.
- Artificial insemination stud animals kept healthy and tested for diseases. Semen collected, and stored using liquid nitrogen.
- Maintenance of an average of **3, 000** straws of bull semen of the four national breeds for artificial insemination of cattle.
- Active and Passive surveillance conducted for animal diseases.
- Permit applications accepted and reviewed. Import permit applications approved. Approval and issuance of **15,000** veterinary import permits.
- At least **450** Flights monitored.
- At least **6000** samples collected, received and analysed at the Veterinary Laboratory.
- Ships and aircrafts inspected. Cargo aboard vessels inspected. Disposal of international garbage supervised.

### **Key Achievements – 2021/2022**

- National Animal Identification and Traceability System (NAITS) implemented/operational across the island. More than **9786** heads of cattle were tagged in the financial year.
- Approximately **58,000** heads of cattle identified and **2478** holdings/establishments registered since the implementation of the NAITS.
- Maintenance of an average of **2934** straws of bovine semen of the four national breeds for artificial insemination of cattle.
- Maintenance of **701** straws of goat semen for artificial insemination of goats.
- Staff training and development of operational manuals to meet international certification requirements by Veterinary Services continued.

- Further Laboratory Accreditation **ISO/IEC 17025** acquired for the Veterinary Diagnostic Laboratory and the Residue and Biochemical Analytic Laboratory.
- Approximately **6593** samples for laboratory analysis were received and analysed at the Veterinary Laboratory.
- Continued access for export of animal products to several Regional and international markets, including the People's Republic of China and Europe. These included live and frozen lobsters and other fishery products; meat patties; dairy products; animal feeds; poultry and poultry products.
- **1971** Veterinary Export Health certificates issued.
- Approval and issuance of **17829** Veterinary import permits.
- Continued registration of privately owned establishment with subsequent identification & registration of the cattle population kept thereon. At least **478** establishments/holdings were registered.
- Continued sensitization of various stakeholder groups, to bring awareness and achieve buy-in of the National Animal Identification and Traceability System (**NAITS**) towards the goal of compliance.
- Animal health surveillance for notifiable diseases continued across Jamaica. In excess of **3451** surveillance farm visits were done for the year.
- Continued Monitoring of fishery harvesting and processing facilities for export.
- Continued facilitation of export of animal products, including animal feed, meat patties, dairy products, poultry, pork and beef products.
- Continuation of the design and implementation of Antimicrobial Resistance Plan and related activities, including the development of a National Action Plan.
- Maintenance of protocols at ports of entry to minimize risk of disease entry.
- Revenue collection for the Veterinary Services Division amounted to **\$262,601,398** surpassing targeted revenue by **22.14%**.

### **Principal Focus – 2022/2023**

<b>Relevant MOAF Priority Policy</b>	Establish a National Livestock Framework
<b>Programme:</b>	<b>181 Agricultural Production, Productivity and Food Security</b>
<b>Sub-Programme:</b>	<b>20 Agricultural Health and Food Safety</b>
<b>Budget for FY2022/23:</b>	<b>\$526,952,000</b>
<b>Priority Initiative</b>	<ul style="list-style-type: none"> <li>• Expansion of Insemination &amp; Embryo Transfer Services</li> <li>• National Animal Identification &amp; Traceability System</li> <li>• Pest &amp; Disease Surveillance and Management</li> <li>• Export Facilitation</li> </ul>
<b>Key Activities and Targets for FY2022/23:</b>	
<ul style="list-style-type: none"> <li>▪ National Animal Identification and Traceability System (NAITS); at least 8000 cattle tagged.</li> <li>▪ Delivery of Animal reproductive technology; at least 500 animals inseminated.</li> <li>▪ Disease Surveillance and emergency disease preparedness; 100% of exotic diseases detected in early warning system.</li> <li>▪ Epidemiology and Risk Analysis; at least 12 risk assessments conducted.</li> </ul>	

- Maintenance of Compliance with Int'l Standards; laboratory maintains accreditation to ISO IEC 17025.
- Sample collection and Analysis; 6000 laboratory tests conducted.
- Port surveillance and Import/Export Inspection
- Live Animal Quarantine; 12 animals quarantined.
- Inspection and Monitoring of Terrestrial and Aquatic Animals
- Registration and certification of farms/animal holdings; 60 holdings registered.

## DEPARTMENTS, AGENCIES AND BOARD SUMMARY REPORTS

### AGRO-INVEST CORPORATION (AIC)

#### Establishment of the Agency

Agro-Investment was established by an Act of Parliament in April 2009. The Agro-Investment Corporation is the agribusiness investment arm of the Ministry of Agriculture and Fisheries. For FY2021/22, the Corporation placed great emphasis on the development of the Agro Parks and Production Zones, Management of Government Assets including Warehouse Space, Working with External and Funding Agencies to drive investment in the Agricultural Sector and Developing Market Linkages.

#### Aim and Objective

- Agricultural sector modernization
- Management of state-owned assets
- Investments & project development
- Investment promotion
- Project management facilitation
- Resource mobilization

#### Planned targets for 2021/2022

- 20% (372.31ha) of arable land available to vulnerable groups including youth and women
- 8 agro-parks established and operational
- 7 production zones established and operational
- 1,402.5ha of arable land lands utilized
- 4,077,295kg harvested
- 210km of infrastructure works completed (drains and access ways)
- 1 food safety certification achieved
- 4 training held for farmers/investors

#### Key Achievements for 2020/21

- 17.94% (825.35 acres or 334ha) of arable land available to vulnerable groups including youth and women. [85 youths occupying 317.85acres and 128 women occupying 507.5]
- 8 agro-parks operational – Plantain Garden River, Amity Hall, Ebony Park, Spring Plain, Holland Estates, Mango Agro Park, Yallahs and New Forest/Duff House.
- 9 Production zones established and operational: Low Leyton/Lennox, Spring Garden, Rhymesbury, Wallens, New River, Enfield, Non-Such, Fort George and New Pen.
- 1294.03ha of exiting arable lands made available through irrigation. Additionally, approval was received from JSIF to fund an irrigation project which will provide 60ha(148.2acres) of irrigation in Plantain Garden River and Ebony Park.

- 3,289.45 acres or 1,331.19ha of land have been utilized out of 4,767 acres or 1,929.13ha. The rate of utilization for the financial year was 69.1%.
- 210km of drains and access ways upgraded.
- 10,152,178.6kg of produce were harvested on Agro-parks and AEZ
- 13 trainings held for farmers and investors

### **Other Achievements**

1. **The Development of The Mango Agro Park:** The establishment of the 1,000 acre investment for the Agro-Park is over J\$270M with work in progress. The establishment of the Mango Agro Park will help to facilitate the increase in exports of mangoes to the Diaspora markets.
2. **Agricultural Economic Production Zones:** In advancing primary production, we further established two (2) Production Zones amounting to over 580 acres growing a mixture of crops but also vast amount of Irish Potato to support import-substitution. The two Production Zones has accommodated 136 investors/farmers with an expected employment of over 400 persons from neighboring communities.
3. **Implementation of Youth In Agriculture Programme:** Agro-Invest sees the inclusion of youth in the agribusiness sector as paramount for sustainability and food security. As part of our mandate, we have ensured that 317.85 acres of land have been made available to vulnerable groups including youth and women. We have added thirty-nine (39) youths to the Agro Parks and Production Zones for the financial year 2021/22, from a planned target of 45 youths representing a placement of 86%.
4. **Partnerships with Funding Agencies:** Agro-Invest partnered with Development Bank of Jamaica (DBJ) to help farmers/investors through the “Voucher for Technical Assistance” Programme and loans through the Rio Tinto Alcan Legacy Fund. These loans will be monitored and evaluated by the staff of Agro-Invest who will report back to DBJ. The Fund investors will come from thee (3) traditional bauxite mining parishes which comprises of St. Ann, St. Catherine, and Manchester. Farmers in these parishes have been longing for loan support to advance their agricultural enterprises. Through DBJ and Agro Invest, loan opportunities have now arrived for farmers/investors. Agro-Invest is also discussing other financial opportunities with other financial providers such as EXIM Bank.
5. **The Development of the Agro-Processing Sector:** Agro-Investment Corporation through a series of discussions has secured over J\$100M in investments to build out an

Agro-processing plant on the Holland Property. It is expected that completion will be in early April 2022.

### **Plans for Financial Year 2022/23**

1. **Expansion of irrigation infrastructure plans:** Approximately J\$198M worth of investments will be pumped into the Agro Parks (Mango Agro Park, Ebony Park Agro Park and Plantain Garden River Agro Parks) covering 384 acres. The funding has been approved from both the Government of Jamaica and JSIF.
2. **Agri-business investment forum:** The organization will move to strengthen Public-Private Partnership and we will be hosting an Agri-Business Investment Forum on April 21, 2022 to attract and garner investments in the Agricultural Sector.
3. **Placement of additional youths on the agro parks:** The Corporation has targeted 50 youths for entry into the agribusiness sector. We will be handing over leases to the first set of 40 youth investors for the 2022/23 financial year on April 27, 2022.
4. **Additional lands to be placed in agriculture:** An additional 700 acres of land to be brought into production using Production Zones and private properties. The Holland and Minard properties, will have land being utilized for pasture development of new variety of plant, expanding herd size and establishment of fodder bank while exploring the eco-tourism option.
5. **Agro-market Store at 188 Spanish Town Road, Kgn.11:** The Agro Invest will establish an Agri-Market Store with protocols established by Agro-Invest but managed by a third-party investor. The Agri-Market store would be used to facilitate glut on the Agro-parks and Production Zones as well as farmers island wide.

### **Principal Focus for 2022/23**

<b>Relevant MOAF Priority Policy (/ies)</b>	<ul style="list-style-type: none"> <li>• Promote Market Driven</li> <li>• Implement the Agri-business Sector Strategy</li> </ul>
<b>Programme:</b>	2.0 Agricultural Production, Productivity & Food Security
<b>Sub-Programme:</b>	2.8 Agro-Industry Development
<b>Budget for FY2022/23:</b>	\$122.9 M
<b>Priority Initiative(s):</b>	Agro-Parks and Agro- Zones Development
<b>Key Activities and Targets for FY2022/23:</b>	
<ul style="list-style-type: none"> <li>• To increase production and productivity within the Agro Parks and AEZ contribute to the nutritional security</li> <li>• To create employment opportunities and increase revenue for investors and target groups.</li> <li>• To implement Food Safety standards in Agro Parks and AEZs</li> </ul>	

## THE BANANA BOARD

### Establishment of Agency

The Banana Board is a statutory body established October 1, 1953 under the *Banana Board Act*, which is aligned with the *Banana Insurance Act* of 1946. The Board's affairs are governed by a Board of Directors, which comprises eight (8) members, who are appointed by the Minister of Agriculture and Fisheries (MoAF).

### Aims and Objectives

1. To increase agricultural production by at least 5% to meet domestic, export and manufacturing input demand by 2023.
2. To increase the interest and efficiency of the banana and plantain industry and to lead, design and implement its development and business plans.

### **The Specific Objective or Purpose**

- To increase production and productivity on farms and by-products manufacturing of the Jamaica Banana and Plantain Industry (JBPI).
- To facilitate the implementation of an industry-wide cess to support the development of the JBPI.
- To facilitate implementation of the ORISA action plan to prevent entry of TR4 disease or detect it early to eradicate or manage it successfully after.
- To implement the strategic business plan of the Banana Board for sustained growth in the JBPI.

### Planned Targets for 2020/21

- Domestic value-added and export business/product
  - 9 chip factories 30 ripening facilities and 1 vacuum packing facility
  - 7,000,000kg fruits transformed
  - 600 tonnes of bananas exported
- 10% (60,000T) increase in production of bananas
- 5% (40,342T) increase of plantains produced
- 12T/Ha increase of production of Banana
- 4T/Ha increase in production of plantains
- Conduct Risk analysis/risk assessments and pest/disease investigation

### Key Achievements – 2021/22

- 48,827.3 Tonnes<sup>3</sup> of bananas produced

<sup>3</sup> Figures represent April 2021 to December 2021 as at the time of reporting, figures for fourth quarter was not finalized

- 553.74tonnes<sup>4</sup> of bananas exported
- 39,485 tonnes<sup>5</sup> of plantains produced
- Increased exportation is being facilitated by maintaining access to export markets with the Global GAP Certification. 34 Global GAP farms monitored and 1 Global GAP training in safe handling and use of pesticides was conducted for at JP Tropical Foods.
- Tropical Race 4 (TR4) excluded from Jamaica, Black Sigatoka Disease maintained at commercial levels and Moko Disease continued to be contained.
  - Implementation of TR4 Preparedness Programme according to full National Plan is revised<sup>6</sup>
  - 17 farms were monitored for Moko disease with 0% of new mats infected and 6 training sessions were conducted for 104 farmers in St James.
  - 15 samples of Black sigatoka Disease were collected in Portland and St Mary and St James.

### **Principal Focus for FY2022/2023**

<b>Relevant MOAF Priority Policy (/ies)</b>	<ul style="list-style-type: none"> <li>• Promote Market-Driven Production</li> <li>• Build a Road Map for Youth in Agriculture and Agribusiness</li> <li>• Implement the Agri-Business Sector Strategy</li> <li>• Strengthen the capacity of Ministry and its portfolio entities to efficiently and effectively implement policies, programmes and projects.</li> </ul>
<b>Programme:</b>	001 Executive Direction and Administration 181 Agricultural Production, Productivity and Food Security
<b>Sub-Programme:</b>	27 Agro-Industry Development
<b>Budget for FY2021/22:</b>	\$
<b>Priority Initiative(/s):</b>	<ul style="list-style-type: none"> <li>• Production and Productivity - traditional export crops</li> </ul>
<b>Key Activities and Targets for FY2021/22:</b>	
<ul style="list-style-type: none"> <li>• Administration, regulation, oversight of research, technology transfer, extension, industry development and production activities.</li> <li>• Surveillance/monitoring and mitigation of banana and plantain pest and diseases and certification by National and GLOBAL GAP standards</li> </ul>	

<sup>4</sup> Figures represent April 2021 to December 2021 as at the time of reporting, figures for fourth quarter was not finalized

<sup>5</sup> Figures represent April 2021 to December 2021 as at the time of reporting, figures for fourth quarter was not finalized

<sup>6</sup> Due to unavailability of funds and the Covid-19 pandemic as procurement, international travel, national and regional simulation was postponed

## COCONUT INDUSTRY BOARD

**Establishment of the Agency:** Coconut Industry Control Act, 1945

**Mission:**

To promote the interest of the Jamaican coconut industry and its stakeholders, by encouraging and facilitating the efficient production of coconuts, providing ongoing research support, developing marketing opportunities, locally and globally, and administering regulations for the purchase, sale, exportation and importation of coconut products and substitutes, in order to develop a profitable and sustainable industry.

### Planned Targets for 2021/2022

- To set 400,000 seed nuts in order to produce 200,000 seedlings.
- To distribute 100,000 coconut seedlings to registered coconut growers
- To Purchase and process 900,000 jelly coconuts

### Key Achievements – 2021/2022

- 204,470 seed nuts were set
- 48,097 seedlings were distributed to registered coconut growers.
- 1,044,748 coconuts were handled by the Board

### Principal Focus for FY2022/2023

<b>Relevant MOAF Priority Policy (/ies)</b>	Promote Market-Driven Production
<b>Programme:</b>	001 Executive Direction and Administration 181 Agricultural Production, Productivity and Food Security
<b>Sub-Programme:</b>	21 Agricultural Research & Development 27 Agro-Industry Development
<b>Budget for FY2022/23</b>	\$361.2M
<b>Priority Initiative(/s):</b>	Production and Productivity- Traditional Export Crops
<b>Key Activities and Targets for FY2022/2023:</b>	
<ul style="list-style-type: none"> <li>• Setting 400,000 seed nuts per annum in CIB's nurseries.</li> <li>• To distribute 100,000 coconut seedlings per year to qualified coconut growers free of cost with fertilizer per annum.</li> <li>• To purchase and process 900,000 jelly coconuts</li> </ul>	

## **JAMAICA DAIRY DEVELOPMENT BOARD**

### **Establishment of the Agency**

The Jamaica Dairy Development Board (JDDB) began operation in 1999 consequent to Cabinet Resolution No. 13/99 of April 19, 1999. The enabling legislation was enacted with effect from February 13, 2009 and received the accent of the Governor General on March 10, 2009. Following its enactment, the Board began its operation as a Statutory Body, with effect from September 09, 2009, with the appointment of a Board of Directors by the Honourable Minister of Agriculture and Fisheries. The Board comprises ten members of diverse backgrounds.

### **Aim and Objectives**

Promoting efficiency in the production of milk and other dairy products and mobilizing resources for and behalf of the dairy sector.

### **Planned Targets for 2021/2022**

- Measurable expansion of dairy cattle population by 5%;
- Measurable improvement in animal productivity to 8L/cow/day;
- Heifer Re-deployment Programme – procure and disseminate 250 heifers;
- Concessionary Loans – process 6 applications;
- Productivity Enhancement
  - Establish 80 ha. pasture
  - Conserve 8 tonnes of silage
  - Acquire 80 kg improved grass seeds
  - Procurement of Forage equipment – 4
- Assistance to Agricultural Education Institutions – 4
- Training/Capacity Building – Conduct 8 training sessions training 450 farmers

### **Key Achievements – 2021/2022**

- Dairy cattle population expansion through the procurement of animals;
- Development of draft legislation intended to enhance resource mobilization;
- Productivity enhancement through the acquisition of seeds of improved fodder cultivars and production of conserved fodder to enable consistent supply of available fodder;
- Capacity building endeavours undertaken by way of training of stakeholders through the conduct of workshops and seminars.

**Principal Focus for FY2022/23**

<b>Relevant MOAF Priority Policy (/ies</b>	Promote Market-Driven Production Establish a National Livestock Framework
<b>Programme:</b>	181 Agricultural Production, Productivity and Food Security
<b>Sub-Programme:</b>	27 Agro-Industry Development
<b>Budget for FY2022/23:</b>	\$202.409M
<b>Priority Initiative(s):</b>	Production and Productivity- Traditional Export Crops
<b>Key Activities and Targets for FY2022/23:</b>	
<i>Key Activities</i>	
<ul style="list-style-type: none"> <li>• Revitalization of the dairy cattle sub-sector <ul style="list-style-type: none"> <li>◦ To rationalize the dairy sub-sector to enhance food security, livelihood protection and rural development</li> </ul> </li> <li>• Heifer Re-deployment Programme <ul style="list-style-type: none"> <li>◦ To reduce the loss of potential dairy animals to the meat trade thereby expanding the population of dairy animals</li> </ul> </li> <li>• Concessionary Loan Programme <ul style="list-style-type: none"> <li>◦ Extending loan availability to dairy farmers on terms substantially more generous than market loans</li> </ul> </li> <li>• Productivity Enhancement <ul style="list-style-type: none"> <li>◦ Promote the consistent availability and efficient utilization of forages of improved nutritional quality</li> </ul> </li> <li>• Enhancement of Educational Institutions <ul style="list-style-type: none"> <li>◦ Revamp and upgrade dairy cattle management systems in select agricultural education institution as centres of best practices for dairy cattle management</li> </ul> </li> </ul>	

## **JAMAICA 4-H CLUBS**

### **Establishment of the Agency**

The Jamaica 4-H Clubs is a statutory body incorporated under the Jamaica 4-H Clubs Act of 1966 and operates as an Agency within the Ministry of Agriculture and Fisheries. Its main objective is to implement the Ministry's Youth in Agriculture and Entrepreneurship Development Sub-Programme. This mandate forms part of the Ministry of Agriculture and Fisheries' main programme, "Agriculture Production and Productivity and Food Security."

The Organization's mandate is to stimulate and empower youth to become engaged in the agricultural sector. Its main offerings include the training and certification of youth in agriculture and related areas. Another key focus area is the establishment of youth owned agricultural enterprises through the provision of training and venture inputs to aspiring farmers.

### **Mission and Vision Statements**

**Vision Statement** "To become the youth hub for agricultural excellence".

**Mission Statement** "To empower youth in agriculture and related areas using adaptive technologies to create wealth while contributing to national development".

### **Aim and Objectives**

Over the next four years, the organization aims to contribute to increased agricultural production and productivity, by increasing the number of youth participating in the sector. It will aid in the transformation of the agricultural sector by increasing the educational levels of youth farmers and the utilization of adaptive agricultural technologies through its training and development programmes.

### **Strategic Objectives (2023-2026)**

1. To provide agricultural and entrepreneurial training and venture inputs to **5,000** aspiring youth farmers over the next four years
2. To increase the percentage of new youth entrants in the agricultural sector by **15%** over the next four years.
3. To provide **500,000** stimulator, mastery and developmental training opportunities to persons under the age of thirty five over the next four years.
4. To develop and maintain **700** public school gardens through the National School Garden Programme
5. To increase by **5%**, youth participation in the Fisheries Sector by 2025
6. To increase youth farmers' access and deployment of agricultural technologies by 20% by 2025
7. To update the Youth in Agriculture Policy for approval by 2021

8. To implement **20%** allocation of Government agricultural land to youth farmers over the next three years.

### **Planned Targets for 2021/2022**

- **85,000** membership renewed
- **170,000** training opportunities provided
- **2,500** youth certified
- **550** gardens maintained
- **700** home gardens established
- **150** livestock enterprise established
- **350** enterprises established
- **500** enterprises established
- **350** scholarships/bursaries awarded
- **700** farmers assessed
- Develop and implement framework for allocation of 20% of government land to youth
- **5,000** youth trained
- **9,000** youth impacted

### **Key Achievements – 2021/2022**

- **76,131** membership renewed
- **330,655** training opportunities provided
- **2,929** youth certified
- **447** gardens maintained
- **903** home gardens established
- **183** livestock enterprise established
- **363** enterprises established
- **442** enterprises established
- **342** scholarships/bursaries awarded
- **757** farmers assessed
- Framework developed and implemented
  - 20 Youth Farmers approved to receive lands
- **6,792** youth trained
- **12,333** youth impacted

**Principal Focus for FY2022/2023**

<b>Relevant MOAF Priority Policy (/ies)</b>	<ul style="list-style-type: none"> <li>• Build a Road Map for Youth in Agriculture and Agribusiness</li> <li>• Implement the Agri-Business Sector Strategy</li> <li>• Build a Resilient and Sustainable Fisheries</li> <li>• Strengthen the capacity of Ministry and its portfolio entities to efficiently and effectively implement policies, programmes and projects</li> </ul>
<b>Programme:</b>	001 Executive Direction and Administration 181 Agricultural Production, Productivity and Food Security
<b>Sub-Programme:</b>	26 Youth Agriculture and Entrepreneurship
<b>Budget for FY2022/23:</b>	\$289,732,000.00
<b>Priority Initiative(/s):</b>	Agribusiness Training/Scholarship for Youth
<p><b>Key Activities for FY2022/23</b></p> <p>Membership Registration and Mobilization</p> <ul style="list-style-type: none"> <li>○ 90,000 members registered</li> </ul> <p>Agricultural Education, Training and Certification</p> <ul style="list-style-type: none"> <li>○ 180,000 training exposures provided</li> <li>○ 2,500 youth farmers certified</li> </ul> <p>Jamaica 4-H Scholarship and Bursaries</p> <ul style="list-style-type: none"> <li>○ 300 scholarship and bursaries awarded</li> </ul> <p>National School Garden Programme</p> <ul style="list-style-type: none"> <li>○ 600 school gardens maintained</li> </ul> <p>Youth Agriculture and Agri-Business Development Programme</p> <ul style="list-style-type: none"> <li>○ 850 new enterprises established</li> </ul> <p>Jamaica 4-H Clubs Home and Family Garden Initiative</p> <ul style="list-style-type: none"> <li>○ 1,000 home and family gardens established</li> </ul> <p>Youth in Agriculture Promotion and Awareness Programme</p> <ul style="list-style-type: none"> <li>○ 30 youth farmers highlighted</li> </ul> <p>Farm Land Accessibility Programme</p> <ul style="list-style-type: none"> <li>○ 20% of government agricultural lands awarded to youth</li> </ul> <p>Youth Agricultural Technology Integration and Innovation Programme</p> <ul style="list-style-type: none"> <li>○ 10,000 awareness created</li> <li>○ 6000 training exposures provided</li> </ul>	

## **JAMAICA AGRICULTURAL COMMODITIES REGULATORY AUTHORITY (JACRA)**

### **Establishment of Agency**

The JACRA is the regulator of the Jamaica Agricultural Commodities Industry. This agency was established on March 14, 2017 under the Jamaica Agricultural Commodities Act, 2017 by the Government of Jamaica and came into operation on January 1, 2018. The principal function of the Authority is to offer regulatory, licensing, certification, logistics and quality assurance services to the named agricultural commodities via coffee, cocoa, coconut and the spices.

Our diverse programmes and services to the industries will include technological research and transfer, quality assurance and laboratory services, licensing of dealers and processors, trade mark registration and monitoring, brand protection, the issuance of permits and customs releases for the importation of the specified regulated commodities following a successful review and approval process, marketing, Farm and farmer registration and trade protection of the named commodities in the national, regional and global arena.

### **Aims and Objectives**

#### **Strategic Goals for 2021 - 2025**

1. To facilitate the Development & Diversification of a Global Marketing Plan for Jamaica.
2. To ensure that the named commodity industries operate in an environmentally friendly manner consistent with Health, Safety, Environmental Standards and Regulations.
3. To facilitate the sustainability and viability of the named industries, through among other things, the viability of the appropriate genetic materials.
4. The facilitation and improvement of Production and Quality features of the named Jamaican agricultural commodities.

#### **Strategic Objectives for 2021 - 2025**

1. To promote the interest, growth and efficiency in the development of the regulated agricultural commodities industry in Jamaica.
2. To ensure that all regulated agricultural commodities processed for the Local and International markets are in compliance with Food Safety Laws and Regulations and adhere to Environmental Standards and Regulations.
3. To promote the equitable treatment of all stakeholders.
4. To strengthen the value chain by encouraging and facilitating the Development of Value Added Coffee Products (VACP).

5. To ensure that all the named commodity dealers trading in all branded commodities are Licensed and operate within the terms and conditions of their Licenses.
6. To ensure that all of the named regulated commodities tested are in compliance with the applicable standards and taste profile and to establish standards where none existed.

#### **Planned Targets for April 2021 – March 2022**

- To issue 7 New Licenses and sign 1 Joint Project Agreement/MOU.
- To conduct Approximately 16 Field Assessments and provide training in the use of chemicals, Soil & Leaf Sampling Techniques and conduct Research Activities.
- The Registration of 200 Blue Mountain & High Mountain Farmers with verification of 800 farms/Photo I.D and Registration of 100 Farmers from other regulated crops and the Maintenance of FRATS Database.
- To conduct 6 Commodity Farmers Meeting & 9 Educational Tour per Region.
- To conduct 4 Commodity Dealers Meeting & 43 Surveys for Coffee, 20 Surveys for Cocoa and 20 Surveys for Spices.
- The provision of training for 25 JACRA Staff or 40% of JACRA Staff trained for the year.
- To (arrange/host/participate) in 20 Trade shows for the year on Value Added Coffee Products and with the provision of training.
- To ensure that approximately 50% of all brand infringements identified are being addressed with an aim to bring these matters to full termination.
- To conduct quality test on exports as 80% of the Coffee Commodity Dealers are required to achieve the Pass Rate of 80%. Approx. 52 Inspections, 120 Visits at Roasters, 1 Q Grader Certification and 25 training sessions to be held with Coffee Processors by members of the JACRA Coffee Division Quality Assurance Team.
- To conduct quality test on exports as 90% of the Cocoa Commodity Dealers are required to achieve the Pass Rate of 90% of good fermentation. 4 In-house training sessions to be done for both JACRA Staff & Cocoa Stakeholders which should result in defects level of less than 3%.

#### **Key Achievements for April 2021 – March 2022**

- A total of 21 New Licenses were issued and no Joint Agreement/MOU signed compared to the budgeted total of 7 New Licenses issued and 1 Joint Project Agreement/MOU signed. This represents an achievement of 200% in excess of the budgeted target of 7 New Licenses.

- 4 Field Assessments was done compared to the budgeted total of 16 Field Assessments. This represents an achievement of 25% of the budgeted target of 16 Field Assessments.
- 393 BM & HM Farmers were registered compared to the budgeted total of 200 BM & HM Farmers registered. This represents an achievement of 96.5% in excess of the budgeted target of 200 BM & HM Farmers registered.
- 32 Commodity Farmers Meeting were held compared to the budgeted total of 6 Commodity Farmers Meeting. This represents an achievement of 433.33% in excess of the budgeted target of 6 Commodity Farmers Meeting. Several of the meetings were held via the Zoom Meeting platform. (20 acres of turmeric established and now in harvest)
- 17 Commodity Dealers Meeting were held compared to the budgeted total of 4 Commodity Dealers Meeting. This represents an achievement of 325% in excess of the budgeted target of 4 Commodity Dealers Meeting. A total of 21 Surveys were conducted for Coffee, 6 Surveys for Cocoa and 10 Surveys conducted for Spices compared to the budgeted total of 43 Surveys for Coffee, 20 Surveys for Cocoa and 20 Surveys for Spices. This represents an achievement of 48.83% for Coffee, 30% for Cocoa and 50% for Spices.
- A total of 63 Staff was trained compared to the budgeted total of 25 Staff trained. This represents an achievement of 152% in excess of the budgeted target of 25 Staff trained.
- No Trade shows were held for the year on Value Added Coffee Products and with the provision of training due to Covid-19.
- Approximately 100% of all brand infringements identified were addressed with an aim to bring these matters to full termination compared to the budgeted total of 50%. This represents an achievement of 100% in excess of the budgeted target of 50%.
- The total quality test conducted on coffee exports for the year showed that 83% of the Coffee Commodity Dealers achieved the Pass Rate of 80%. This amounts to an achievement of 3.75% in excess of the budgeted target of 80% compliance. A total of 105 Inspections, 160 visits at Roasters and 5 Training sessions were done compared to the budgeted total of 52 Inspections, 120 visits at Roasters and 25 Training sessions. This represents an achievement of 101.92% in excess of the target for Inspections, 33.33% in excess of the target for visits at Roasters and an achievement of 20% of the target for Training sessions with Processors. No Q Grader Certification was held due to Covid-19.
- The total quality test conducted on cocoa exports for the year showed that 100% of the Cocoa Commodity Dealers achieved the Pass Rate of 90% of good fermentation with defects level of less than 3%. This amounts to an achievement of a compliance rate of 11.11% in excess of the budgeted target of 90%.

**Programmes and plans for the new F/Y 2022-2023**

<b>Relevant MOAF Priority Policy (/ies)</b>	<ul style="list-style-type: none"> <li>• Promote Market-Driven Production</li> <li>• Build a Road Map for Youth in Agriculture and Agribusiness</li> <li>• Implement the Agri-Business Sector Strategy</li> <li>• Strengthen the capacity of Ministry and its portfolio entities to efficiently and effectively implement policies, programmes and projects.</li> </ul>
<b>Programme:</b>	181 Agricultural Production, Productivity and Food Security
<b>Sub-Programme:</b>	Agro-Industry Development
<b>Budget for FY2022/23:</b>	J\$827.41M.
<b>Priority Initiative:</b>	Production and Productivity – traditional export crops
<b>Key Priorities/Initiatives for FY 2022-2023</b>	
<ul style="list-style-type: none"> <li>• The main focus for 2022/23 would be on the execution of the activities within the plan while navigating the strictures of the budget.</li> <li>• Facilitating smooth trading by collaborating with customs in the continuous improvement and maintenance of the single window for trade platform.</li> <li>• Facilitating and enhancing customer experience and satisfaction through training, the improvement of the online trade platform and the reduction in turn-around time.</li> <li>• Completion of the Value Chain Assessment (VCA) leading to the Industry Business Models (IBM's) for Coffee (80% completed), Cocoa (30% completed), and Pimento (70% completed). IBM's for Ginger and Turmeric were already completed and are being implemented.</li> <li>• Completion of the Carbon Footprint Mapping (CFM) exercise in order to develop a climate resilient and carbon neutral coffee production system.</li> <li>• Expansion of turmeric production through the use of clean certified planting materials (single bud technology) up from 20 acres last year to approximately 50 acres for the 2022/2023 period.</li> <li>• Expansion of ginger nurseries along with the introduction of ginger cultivation through the use of clean certified planting materials (single bud technology).</li> <li>• Completion of phase 2 of the re-habilitation of the Coffee Export warehouse.</li> <li>• Facilitating the registration of all the commodity farmers, including the protection of Jamaica's coffee origin in the form of traceability and accountability through the completion of a Farm Registration and Tracking System (FRATS) online platform. This would allow for an online database of registered commodity farmers and licensed dealers which are accessible to potential business interests throughout the entire value chain of the respective industries. The registration and verification</li> </ul>	

process is ongoing.

- Facilitating the protection of Jamaica's coffee origins by ensuring the registration of the JAMAICA BLUE MOUNTAIN® and JAMAICA HIGH MOUNTAIN® trademarks in the respective designations and collaborating with local and external legal support to police the wrong use of the trademarks by unscrupulous persons.
- Facilitating the maintenance of Jamaica's "Fine and Flavour" cocoa status by addressing the necessary Administrative and Financial Obligations.
- Facilitating the sustainable development of the cocoa industry by collaborating with suitable nurseries to produce cocoa seedlings that are resistant to Frosty Pod Rot disease but which will not compromise our "Fine and Flavour" status.
- Continue to carry out activities to achieve strategic outcomes.

## **JAMAICA AGRICULTURAL SOCIETY (JAS)**

### **Establishment of the Agency**

The JAS was incorporated under the Jamaica Agricultural Society Act 1941. The organization serves as an umbrella organization consisting of varied affiliated commodity boards and associations to include: Jamaica Citrus Growers Association, Pimento Growers Association, Cocoa Industry Board, All Island Cane Farmers Association, Coconut Industry Board, All Island Banana Growers Association, Coffee Industry Board, Jamaica Livestock Association, Ministry of Agriculture Export Division, Sugar Industry Authority, Jamaica Goat & Sheep Farmers Association and the Jamaica Fishermen Cooperative Society.

The Jamaica Agricultural Society also has established parish offices island-wide. Each Parish has within its structural framework an Association of Branch Society (ABS) that consists of branches within the farming communities. Each ABS is governed by the President and the Executive Body elected by the farmers for representation in the decision making process of the Society.

### **Aim and Objectives**

To ensure the protection and promotion of farmers' interests through a vigorous, independent and financially viable organization providing services to farmers and assisting them to gain access to resources provided by government and other agencies; and to enhance global policy initiatives in order to achieve social and economic development of the rural sector.

### **Planned Targets for 2021/2022**

27,000 fruit trees distributed under the 5M trees in 5 years national programme

### **Key Achievements – 2021/2022**

The Organisation distributed 23,311 fruit trees or 86.3% FY 2021/22 target

### **Principal Focus for FY2022/2023**

<b>Relevant MOAF Priority Policy (/ies)</b>	Promote Market-Driven Production
<b>Programme:</b>	181 Agricultural Production, Productivity and Food Security
<b>Sub-Programme:</b>	24 Agricultural Extension Services
<b>Budget for FY2022/23:</b>	\$
<b>Priority Initiative(/s):</b>	Production Incentive Programme
<b>Key Activities and Targets for FY2022/23:</b>	Fruit trees distributed under the 5M trees in 5 years national programme

## **NATIONAL IRRIGATION COMMISSION (NIC)**

### **Establishment of the Agency**

The National Irrigation Commission Limited was established under the Companies Act of Jamaica in 1986 and incorporated in May 1987, operating as the Authority under the Irrigation Act of 1949.

### **Aim and Objectives**

- To manage, operate and maintain and expand existing and future irrigation schemes and systems established by the Government of Jamaica.
- Improve the accuracy of water measurement with the installation, calibration and maintenance of state of the art measuring devices;
- Develop and implement projects to increase pumping and conveyance efficiencies;
- Increase the number of wells in production.

### **Planned Targets for 2021/2022**

#### **RECURRENT – IRRIGATION INFRASTRUCTURE DEVELOPMENT**

- 10,120 ha being serviced with irrigation
- ≤ 30% water loss reduced
- 90% of scheduled preventative maintenance activities completed on time
- 14 % energy cost avoided
- 3 % energy use from renewable source (solar)
- \$ 175.97 for infrastructure rehabilitation
- Budget - J\$2,127.34M
- Volume of irrigation water produced – 61.72 Mm<sup>3</sup>
- 2844 active customers being served with irrigation water
- J\$M609.24 revenue from water sales
- Installation of photovoltaic panels at Little Park F3 Solar Pump.
- Solar Retrofit of Beacon E Pump Station
- Installation of Pumping Station for Mango Project

#### **Essex Valley Agriculture Development Project (EVADP)**

- Completion of GIS survey and Climate Vulnerability Assessment
- Well drilling activities contracted and completed.
- Pipe Storage Yard Equipment Purchased and Insured

- Projected budget expenditure 723.097 million

### **Southern Plains Agricultural Development Project (SPAD)**

- Completion of Three (3) wells drilled and yield tested in Parnassus
- Award of contracts for supply and installation of pipelines, meters and accessories/ construction of roads and drains
- Award of contract for construction of pump houses and reservoir
- Projected budget expenditure 300 million
- Award contract for supply of pumps and equipment

### **Pedro Plains Agricultural Development Project**

- Cabinet approval of the Memorandum of Understanding (MOU)
- Commencement of the Environmental Impact Assessment (EIA)
- Commencement of the Preliminary Engineering Design Update Contract

### **Key Achievements – 2021/2022**

#### **RECURRENT – IRRIGATION INFRASTRUCTURE DEVELOPMENT**

- 8048 ha of farm land irrigated
- 29% of water loss reduced
- 100% of scheduled preventative maintenance activities completed on time
- 13.22% of energy costs avoided
- 2.96% energy use from renewable source (solar)
- J\$M101.2 Cost for infrastructure rehabilitation as of March 31, 2022.
- J\$2,062.38M/97% of the budget expended
- 67.8 Mm<sup>3</sup> of Water Produced
- 2818 active customers being served with irrigation water
- J\$M572 total revenue collected from water sales
- Solar upgrade and installation of six hundred (600) photovoltaic panels at the Little Park F3 Solar Pump Station
- Solar Retrofit of Beacon E pump station completed
- Mango Project Pumping Station installed

### **Essex Valley Agriculture Development Project (EVADP)**

- Well drilling activities completed.

- Global G.A.P assessment phase 1 completed.
- Well Monitoring Information System completed and operational.
- Pipe Storage Yard Equipment purchased and insured.
- Contracting of – Pipe Supply & the Installation of pipelines, Rehabilitation of Roads and Drainage.
- Completion of drawings for Agriculture Buildings.

### **Southern Plains Agricultural Development Project (SPAD)**

- Three (3) wells completed and yield tested in Parnassus.
- Hartland's Canal Rehabilitation final designs submitted and approved.
- Bids received for the supply and Installation of Pipelines, meters, accessories and Construction of Roads and Drains for Amity Hall and Parnassus.
- Land surveying completed for project areas.
- Global GAP facilities final design has been accepted by PEU team.
- JPSCo proposal and quotation received re Power Supply-Amity.

### **Pedro Plains Agricultural Development Project**

- Commencement of the Environmental Impact Assessment (EIA) contract signed and implementation in progress.
- Cabinet Submission prepared and circulated to MOAF for Cabinet approval of the Memorandum of Understanding (MOU)
- Alignment survey completed for 26km of trunk main to include proposed easement drawings for the impacted parcels.

**Principal Focus for FY2022/2023**

<b>Relevant MOAF Priority Policy (/ies</b>	Promote Market-Driven Production
<b>Programme:</b>	181 Agricultural Production, Productivity and Food Security
<b>Sub-Programme:</b>	22 Irrigation Services
<b>Priority Initiative(/s):</b>	RECURRENT – IRRIGATION INFRASTRUCTURE DEVELOPMENT
<b>Budget for FY2022/23:</b>	<b>\$ 2,272.78</b>
<b>Key Activities and Targets for FY2022/23:</b>	
10,611 ha of hectares irrigated ≤ 300f water loss reduced 90% of scheduled preventative maintenance activities completed on time 15%energy cost avoided 10% energy use from renewables - energy use from renewable sources (solar) 368.38 Mm volume of irrigation water produced 3870active customers being served irrigation water J\$637.2M Total revenue Port Henderson Relift Upgrade Solar Retrofit of Beacon Little Park (F2) Spring Village Pipeline Replacement Cow Park Turbine Replacement Braco Pump Unit replacement CCTV installation at Ebony Park Procurement of Utility Vehicle Variable Frequency Drives (Heartsease, Vernamfield)	
<b>Priority Initiative(/s):</b>	<b>ESSEX VALLEY AGRICULTURE DEVELOPMENT PROJECT (EVADP)</b>
<b>Budget for FY2022/23:</b>	<b>\$ 2.67B</b>
<b>Key Activities and Targets for FY2022/23:</b>	
The Supply of Pipes Fittings and Appurtenances Commence the Installation of pipelines, Rehabilitation of Roads and Drainage Contracted Contracting of – The supply of meters, hand held readers and software Tendering of – Renewable Energy Systems The engagement of JPS to supply power to the Pump Houses and Agri-Buildings	
<b>Priority Initiative(/s):</b>	<b>SOUTHERN PLAINS AGRICULTURAL DEVELOPMENT PROJECT (SPAD)</b>
<b>Budget for FY2022/23:</b>	<b>\$ 1.37B</b>
<b>Key Activities and Targets for FY2022/23:</b>	
Commence Contract: Supply Pumps Equipment Contract Mobilization: Construction of Pump Houses and Reservoir Contract Mobilization: Supply Install Pipelines/ Construct Roads Contract Rehabilitation of Hartland's Canal	
<b>Sub-Programme:</b>	<b>22 Irrigation Services</b>

Priority Initiative(/s):	<b>Pedro Plains Agricultural Development Project</b>
Budget for FY2022/23:	<b>\$ 304M</b>
<b>Key Activities and Targets for FY2022/23:</b>	
Ownership Mapping Completed. Cadastral Mapping Report Accepted. EIA report accepted. Parcel Acquisition Report completed.	

## **NATIONAL FISHERIES AUTHORITY (NFA)**

### **Aim and Objectives**

#### **Alignment for Vision 2030 MTF 2018 – 2021**

- Advance maritime delimitation negotiations on Jamaica's Exclusive Economic Zones (EEZ)
- Establish new fish sanctuaries and maintain existing fish sanctuaries to achieve increased fishing stock
- Implement a management system and governance for the Pedro Cay fisheries area
- Increase the adoption of climate resilient practices among targeted fishing and fish farming communities
- Capacity building and awareness raising
- Strengthening the fisheries policy and regulatory framework

#### **Planned Targets for 2021/2022**

- 20% compliance with licensing requirements among fishers and fish farmers (12,000 active fishers)
- 30% optimization of fisheries along the value chain (7 fishery management plans implemented)
- 3.4% of coastal fishery waters protected as fish sanctuaries
- 1,122 MT of tilapia produced
- 10% increase in seed stock produced (baseline: 1.5M)
- 2 new or underutilized fisheries developed
- 5% increase in acreage in tilapia production (baseline: 550 acres)
- 23 acres of fish ponds renovated/constructed
- Implement Promoting Community Based Climate Resilience in the Fisheries Sector Project
- Implement IDB Fisheries Licensing and Registration System Project

#### **Key Achievements – 2021/2022**

- 5,856 fishers licensed of 48.8% in compliance.
- 693.50 MT tilapia produced
- 1,391,454 seed stock produced
- 696.43 acres of tilapia in production

**Principal Focus for FY2022/2023**

<b>Relevant MOAF Priority Policy (/ies)</b>	Build a Resilient and Sustainable Fisheries
<b>Programme:</b>	181 Agricultural Production, Productivity and Food Security
<b>Sub-Programme:</b>	23 Fisheries Development
<b>Budget for FY2022/23:</b>	\$507,830,000.00
<b>Priority Initiative(s):</b>	<ul style="list-style-type: none"> <li>• Promoting Community-Based Climate Resilience in the Fisheries Sector Project</li> <li>• Marine Fisheries Development</li> <li>• Aquaculture Development – New and underutilized Fisheries</li> <li>• Registration and Licensing of Fisher</li> </ul>
<b>Key Activities and Targets for FY2022/23:</b>	
<ul style="list-style-type: none"> <li>• 35% increase in compliance with licensing requirements among fishers and fish farmers</li> <li>• 30% increase in the optimization of fisheries along the value chain (7 fishery management plans implemented)</li> <li>• 15% increase in seed stock produced</li> <li>• 2 new or underutilized fisheries developed</li> <li>• 5% increase in acreage in tilapia production</li> <li>• 25% increase in acres of fish ponds renovated/constructed</li> <li>• Implement Promoting Community Based Climate Resilience in the Fisheries Sector Project</li> <li>• Implement IDB Fisheries Licensing and Registration System Project</li> </ul>	

## RURAL AGRICULTURAL DEVELOPMENT AUTHORITY (RADA)

### RADA's Role and Function in Extension Service

The Rural Agricultural Development Authority (RADA) is a statutory body under the Ministry of Agriculture & Fisheries. RADA was established under the Rural Agricultural Development Authority Act of 1990, replacing the Land Authorities Act and began its operation on August 1, 1990. It is Jamaica's chief Agricultural Extension and Rural Development Agency. RADA is committed to promoting the development of agriculture in Jamaica, as the main engine of economic growth in rural communities, through an efficient, modern and sustainable extension service which will enhance the national economy and improve the quality of life of rural farm families.

### Aims and Objectives

#### RADA's Mandate:

- To enhance the development of farming through an effective, efficient and sustainable Extension Service.
- To supplement information to rural development agencies, thereby assisting to advance improvements in rural infrastructure.
- To provide the supplemental social services required for the improvement of the quality of life of farm families.
- To provide technical advice to farmers of any size. To provide a reliable agricultural marketing information service.
- To assist in the implementation of specified rural development projects.

### Planned Targets for 2021/2022

- A total of 18, 600 farmers to be trained/exposed in areas related to crop/livestock production
- A total of 2,353 farmer training sessions to be held
- A total of 16,000 pest surveillance visits to be conducted
- 150 Agro- Processing groups to be strengthened
- 150 Demonstration Plots to be established
- 40 hectares of fruit trees to be established
- 200 hectares of land to be ploughed
- 780 market linkages to be facilitated
- 52 farmers markets to be held

### Key Achievements – 2021/2022

- A total of 12, 842 farmers trained/exposed in areas related to crop/livestock production
- A total of 2,191 farmer training sessions held
- A total of 33,733 pest surveillance visits conducted
- 658 Agro- Processing groups strengthened

- 206 Demonstration Plots established
- 44.6 hectares of fruit trees established
- 146 hectares of land ploughed
- 624 market linkages facilitated
- 102 farmers markets facilitated

#### **Farm Road Rehabilitation Programme- Targets**

- 68 farm roads to be rehabilitated

#### **Farm Road Rehabilitation Programme – Achievement**

- 34 farm roads rehabilitated

#### **Production Incentive Programme-Targets**

- Establish 105 ha of cassava
- Establish 9.8 ha. of coco
- Establish 23 ha of dasheen
- Establish 68 ha. of ginger
- Establish 140 ha. of hot pepper
- Establish 13.2 ha of lime
- Establish 8.4 ha. of MD2 Pineapple
- Establish 7.5 hectares of strawberry through greenhouse production.
- Establish 64 ha. of yam
- Establish 3,600 hectares of Irish Potato over the period
- Establish 1,200 hectares of onion over the period
- Establish 8 ha. fodder bank
- To procure twelve (12) Drones.
- To procure six Rubber Wheel Tractors and fifteen (15) implements to include disc ploughs, rototillers, ridge bedder and mulch layer.
- To distribute 2,000 Water Storage Tanks and 2,000 Drip Irrigation Kits were procured during the 2020/2021 Financial Year.
- To construct and rehabilitate 15 water harvesting ponds

#### **Production Incentive Programme-Achievements**

- 13.10 ha. of cassava established to date by 28 farmers.
- 24.07 ha. of coco established to date.
- 24.9 ha. of dasheen established to date.
- 75 ha. open field treated against ginger rhizome rot.
- 66.34 ha. hot pepper has been established to date.

- 9.5 ha. Of lime and lemon established (1,490 limes and 410 lemons).
- 140,000 MD2 seedlings were received and will be distributed.
  - hectares of MD2 pineapples established including suckers generated from fields established since 2019.
- 12,600 strawberry seedlings established
- 6,800 tissue culture sweet yam setts established
- 19,500 yam heads procured and planted.
- 871 ha. of irish potato planted involving 2,989 farmers
- 218.6 ha. of onion planted involving 475 farmers
  - ha. fodder bank established
- 21 does procured and distributed
- 520 mineral blocks procured and distributed
- Seven (7) chaffing machines procured and distributed
- 40 ear tagging applicators and tags procured and distributed.
- Procurement of ten (10) agricultural drones. Technical specifications have been completed and tender process has commenced. A total of \$12 M has been allocated to acquire drones and software.
- RADA is currently awaiting the delivery of the Six (6) Rubber Wheel Tractors.
- A total of fifteen (15) implements have been procured and delivered to RADA.
- 1,836 irrigation kits distributed to date.
- 1,185 irrigations kits installed to date.
- 1,844 tanks distributed to date.
- Bidding process has commenced and technical evaluators awaiting the closing of bids for water harvesting ponds.
- **Flood Damage Recovery**
- 10,000 broiler chickens, 14 calves, 74 weaner pigs and feed procured.
- 6,992 Units of seeds and 4,439 units pesticides procured distributed to the 13 parishes.
- 106 ewes serviced using artificial insemination.

**Principal Focus for FY2022/2023**

<b>Relevant MOAF Priority Policy</b>	Promote Market-Driven Production
<b>Programme:</b>	181 Agricultural Production, Productivity and Food Security
<b>Sub-Programme:</b>	24 Agricultural Extension Services
<b>Budget for FY2022/23:</b>	\$ 1. 73 Billion
<b>Priority Initiative(s):</b>	Production Incentive Programme Farm Road Rehabilitation Programme
<b>Key Activities for FY2022/23:</b>	
<p><b>1. Enhancing agricultural service delivery through a responsive and modern Agricultural Extension Service</b></p> <ul style="list-style-type: none"> <li>• Climate Smart Agriculture</li> <li>• Agricultural Value Chain and Agro-processing Development</li> <li>• Implementation and Certification of ISO 9001:2015 Quality Management System</li> <li>• Food Safety/Plant Health</li> <li>• Farmer Field School</li> <li>• Effective Public Relations and Communications Plan</li> <li>• Employee Development and Competence</li> <li>• Corporate Governance and Accountability</li> <li>• Gender Mainstreaming in Agriculture</li> <li>• Promotion of Social Entrepreneurship</li> <li>• Agricultural Disaster Risk Management</li> <li>• Facilitation of Market Linkages</li> </ul>	
<p><b>2. Improvement in Production and Productivity of Crops and Livestock</b></p> <ul style="list-style-type: none"> <li>• Transfer of Good Agricultural Practices</li> <li>• Strengthening the use of ICT</li> <li>• Facilitation and Enhancement of Infrastructural development</li> <li>• Institutional Strengthening</li> <li>• Mainstreaming of new services.</li> <li>• Efficient operation of RADA Services/Commercial Entities</li> </ul>	
<p><b>3. Targeting of new entrants to the Agricultural Sector</b></p> <ul style="list-style-type: none"> <li>• Creating an enabling environment</li> <li>• Gender sensitive and youth-focused programmes</li> <li>• Development and promotion of investment profiles for Crops and Livestock</li> </ul>	
<p><b>4. Strengthening of strategic alliances with local and international stakeholders</b></p> <ul style="list-style-type: none"> <li>• Capacity Building</li> <li>• Donor Support Mechanisms</li> <li>• Project Formulation and Support</li> <li>• Knowledge and technology transfer</li> </ul>	

- Research and Development
- Data and information sharing.

## 6. Programmes and plans for the new Financial Year

- Farmer Training /Farmer Field School Expansion
- ISO 9001:2015 Certification
- Plant Doctor Programme
- Production Incentive Programme
- Farm Road Rehabilitation Programme
- Plant Health and Food Safety
- Livestock Production
- Agro- Processing/Value Chain Development
- Water Management/On-Farm Irrigation
- Agricultural Disaster Risk Management Programme
- Agro- Processing /Value Added
- Protected Agriculture
- Buildings and Structures
- Construction of Hanover Parish Office
- Tractor Service Programme

## Upcoming plans/programmes for the sector 2022/2023

- Greater use of agricultural data to make informed decisions
- Continued support the Ministry's efforts in increasing food production through the continued implementation of the PIP.
- Greater use of RADA's online platform for capacity building of farmers and staff
- Attracting new entrants/investors to the agricultural sector
- Full integration of the Farming As A Business Model within the extension service delivery
- Continued implementation of the Agri-Linkages Exchange Project- Call Centre
- Greater partnership with private sector in support of value chain for operation of the Agro- Processing Incubators.
- Providing suitable ICT platforms to support production and market access through GIS technology.
- Mainstreaming of climate services for farmers in collaboration with Jamaica Meteorological Services (JMS): Use of met. Data for agricultural decision making.

## **SUGAR INDUSTRY AUTHORITY**

### **Establishment of the Agency**

The Sugar Industry Authority is a statutory organization created in 1970 through the amendment of the Sugar Industry Control Act of 1937 (The ACT). The SIA is vested with the responsibility to regulate and control the sugar industry and report to the Government of Jamaica through the Ministry of Agriculture and Fisheries on all aspects of the industry's operations.

### **Aim and Objectives**

The overarching mandate of the Sugar Industry Authority (SIA) is the facilitation, maintenance and administration of a regulatory and research framework to ensure the growth and sustainability of the Jamaica sugar industry.

#### **SIA's Mission is:**

“To provide and protect a regulatory framework within which a privatized industry can attain and maintain viability.”

#### **SIA's Main Goals:**

- Maintain a sound regulatory and research operation which will support a viable sugar cane sector.
- To lead the transformation of the industry to facilitate its enhanced profitability and sustained viability

#### **Planned Targets for 2020/2021**

A diversification of its revenue stream to reduce the reliance on Cess for budget financing

- Increased Operational Efficiency
- Increased Cost effectiveness
- Improved efficiency and currency of the regulatory framework
- Facilitate the improvement in efficiency and productivity of the industry
- Enhanced monitoring of the domestic sugar market

## **Key Achievements – 2021/2022**

- A 44% increase in non-Cess revenue
- A 6% reduction in operating expense
- 33% increase in capacity of Bio-control programme
- Intensified monitoring and surveillance of domestic sugar market
- Organizational review and commencement of the process to restructure the SIA
- Commenced consultation with stakeholders with respect to the review of the Sugar Industry Control Act
- Commenced planning for the automation of the processes at the Core Laboratories

## **Principal Focus for FY2022/2023**

<b>Relevant MOAF Priority Policy (/ies)</b>	Strengthen the capacity of Ministry and its portfolio entities to efficiently and effectively implement policies, programmes and projects
<b>Programme:</b>	001 Executive Direction and Administration 181 Agricultural Production, Productivity and Food Security
<b>Sub-Programme:</b>	02 Policy, Planning, and Development 20 Agricultural Health and Food Safety 21 Agricultural Research & Development 24 Agricultural Extension Services
<b>Budget for FY2022/23</b>	\$ 242,102,725.39
<b>Priority Initiative(/s):</b>	Agro-Industry Development
<b>Key Activities and Targets for FY2022/23:</b>	
<ul style="list-style-type: none"> <li>• Improve Operational Efficiency</li> <li>• Expand Revenue Stream</li> <li>• Enhance cost-efficiency</li> <li>• Improve Bio Control Programme</li> <li>• Enhance Regulatory and Research Framework</li> </ul>	

## **SCJ HOLDING LIMITED**

**Establishment of the Agency:** December 12, 2001

### **Mission Statement:**

*To provide efficient and effective land management services that will foster sustainable economic growth, job creation and entrepreneurial opportunities in Jamaica.*

### **Aims and Objectives:**

The Mandate of SCJH:

- (a) Generally to support GoJ medium-term strategic priorities aimed to promote “Inclusive Sustainable Economic Growth and Job Creation”.
- (b) Specifically,
  - (i) to manage and facilitate the former sugar lands in its control to transition to non-sugar productive activities to drive economic growth, entrepreneurship and job creation;
  - (ii) to ensure that lands are divested in areas and scope that supports the goals of its parent ministry, the Ministry of Agriculture and Fisheries; and
  - (iii) to promote and facilitate the implementation of the Greater Bernard Lodge Development Master Plan, including the agriculture zone.

### **Planned Targets for 2021/2022**

Over the four year planning period of 2021/22 to 2024/25. The strategic priorities of SCJH were:

- Make increasing amounts of former sugar land available to investors for productive activities. Specifically this should include lands to support:
  - Agro-processing
  - New industries – Cannabis, Bamboo, Castor Beans
  - Agro-Parks development and expansion by AIC.
  - Programmes such as Youth in Agriculture and Women in Agriculture.
  - Sugar Cane Cultivation – to support required throughput for any factory projected to continue operating (the leading example of which is Monymusk, Clarendon).

- Ensure that lands leased by SCJH are being utilized in operationally and financially viable economic activities that are sustainable and are contributing to economic growth and job creation.
- Provide appropriate support for the implementation of the Greater Bernard Lodge Development Master Plan. This will include:
  - Cabinet approved sales of lands in the GBLDMP area; and
  - Relocation and assistance in re-establishment of farmers and investors displaced by the Master Plan; and
  - The establishment and the operationalization of the GBLDMP agricultural area.
- Continue to work with other GoJ stakeholders to promote and facilitate housing provision and community regularization in sugar 'dependent' communities.
- Strengthen the financial and institutional viability of SCJH to adequately and appropriately discharge its function. This will include:
  - The leasing of lands and at appropriate pricing rates.
  - Rigorous collection of leases
  - Review of leases that have expired and are now performing to repossess the lands and to re-lease them.
  - Review the portfolio of leases of lands for aggregates (limestone and sand mining) to ensure that new leases are similarly treated.

### **Key Achievements for 2021/22**

- The Development Bank of Jamaica (DBJ) in its mandate by Cabinet to handle the divestment of the development blocks in the GBLDMP has during the 2021/22 fiscal year facilitated two phases of divestments. In the first phase, 5 residential blocks were advertised via open tender process in quarter 3 during the period August 31 - October 7, 2021 and successful bidders identified for all 5 lots. Sale agreements have been finalised.
- Phase 2 of the bidding process spans 20 blocks to include residential detached, residential townhouse and mixed use for the establishment of an urban town centre. The lots were advertised in quarter 4 during the period January 11 - March 13, 2022 and successful bidders identified for all lots except the urban town centre where only one bid was received which did not meet the technical requirements.

There will be a third phase in the divestment process which will encompass all remaining blocks.

- The GBLDMP area comprises 5,397 acres of land, of which 3,027 acres or 56% have been designated as the agricultural zone and disaggregated into blocks as follows:

Agricultural Blocks	Acres
AG1	165
AG2 ( <i>Also referred to as Clifton</i> )	324
AG3	61
AG4	155
AG5	64
AG6	78
AG7 ( <i>Also referred to as Grange Lane</i> )	488
AG8 ( <i>Also referred to as Mega Mart</i> )	397
AG9 ( <i>Also referred to as Salt Pond and Bernard Lodge South</i> )	1,295
<b>TOTAL</b>	<b>3,027</b>

- Progress was made during the 2021/22 Fiscal Year as follows:
  - SCJH has finalized the allocation of land to all 123 farmers who have been displaced by the Master Plan during this fiscal year. To this end, SCHJ has demarcated 150 of the approximately 182 lots that constitute the 3,027 acre Zone.
  - With regards to land preparation assistance, 800 acres were prepared (cleared, ploughed, harrowed and furrowed) this fiscal year
  - Hundreds of millions of dollars were also paid in compensation to displaced farmers/investors and infrastructural works have been on-going to assist in the re-establishment of the displaced farmers.
- Main achievements during the year also include:
  - Excavation of an additional 500m of drain to facilitate better drainage of the area in the event of heavy rains
  - Cleaning of an additional 1700m irrigation canal to improve water supply to farmers
  - Finishing (marling and compacting) an additional 2km of roadway to provide better and more resilient access ways through the Zone
  - Excavation of 4 million gallon capacity storage pond towards a gravity fed pressurized water system in Block 9 of the Zone
- To date during this Fiscal Year the SCJH Board approved 137 leases covering 5,544 acres
- Leases in Fiscal Year 2021/22 included lands for cash crops, animal rearing, orchard crops, quarrying, commercial use, solar energy and hemp/cannabis
- Land were leased in the parishes of Clarendon, St. Catherine, Westmoreland and St. Thomas

**Principal Focus 2022/2023**

<b>Relevant MOAF Priority Policy</b>	Promote Market-Driven Production
<b>Programme:</b>	181 Agricultural Production, Productivity and Food Security
<b>Sub-Programme:</b>	24 Agricultural Extension Services
<b>Budget for FY2022/23:</b>	\$ 1.73 Billion
<b>Priority Initiative(s):</b>	Youth in Agriculture and Entrepreneurship Agro-Industry Development
<b>Key Activities for FY2022/23:</b>	
Over the four year planning period of 2023/24 to 2026/27, SCJH will focus on a number of strategic priorities. <sup>7</sup>	
<ul style="list-style-type: none"> <li>• Make increasing amounts of former sugar land available to investors for productive activities. Specifically this should include lands to support: <ul style="list-style-type: none"> <li>○ Agro-processing</li> <li>○ New industries – Cannabis, Bamboo, Castor Beans</li> <li>○ Agro-Parks development and expansion by AIC.</li> <li>○ Programme such as Youth in Agriculture and Women in Agriculture.</li> <li>○ Sugar Cane Cultivation – to support required throughput for any factory projected to continue operating (the leading example of which is Monymusk, Clarendon), and release lands that may not be required.</li> </ul> </li> <li>• Ensure that lands leased by SCJH are being utilized in operationally and financially viable economic activities that are sustainable and are contributing to economic growth and job creation.</li> <li>• Provide appropriate support for the implementation of the Greater Bernard Lodge Development Master Plan. This will include: <ul style="list-style-type: none"> <li>○ Cabinet approved sales of lands in the GMLDMP area; and</li> <li>○ Complete the establishment of the GBLDMP agricultural zone.</li> </ul> </li> <li>• Advance the programme to directly support and to facilitate (through collaboration with its parent Ministry, other MDAs, NGOs, International Development Partners and the Private Sector) the development of agriculture on lands leased by SCJH. Elements will include: <ul style="list-style-type: none"> <li>○ The development of the proposed Agricultural Support Hub initially located in the GBLDMP agricultural zone; and</li> <li>○ Collaboration with the AIJCFA and possible absorption of some of its capabilities and functions.</li> </ul> </li> <li>• Continue to work with other GoJ stakeholders to promote and facilitate housing provision and community regularization in sugar ‘dependent’ communities.</li> <li>• Strengthen the financial and institutional viability of SCJH to adequately and appropriately discharge its function. This will include: <ul style="list-style-type: none"> <li>○ The leasing of lands and at appropriate pricing rates.</li> <li>○ Rigorous collection of lease payments</li> <li>○ Review of leases that have expired and are not performing to reposess</li> </ul> </li> </ul>	

<sup>7</sup> In order to realize many of the strategic priorities, SCJH plans to carry out an audit of all lands owned and controlled by the company.

the lands and to re-lease them.

- Review the portfolio of leases of lands for aggregates (limestone and sand mining) to ensure that new leases are appropriately priced and structured and ensure that royalties in particular are paid by lessees.
- Reduce expenses not fundamental to SCJH business such as payment for community electricity for both domestic use and to supply water.
- Review SCJH to ensure that the company has the requisite institutional structure and human resources to realize successfully the company's goals.

#### **Elements of the Audit<sup>8</sup>**

- Execute an audit of all lands owned by SCJH (on a parish by parish basis).
- The targets of this audit are:
  - The amounts of lands leased, squatted and idle.
  - Leased lands
    - Valid leases
    - Expired leases
    - Leases in violation of lease agreements such as non-payment of leases, varied or non-utilization of the lands.
  - Assessment/evaluation of the utilization of the leased lands.

#### **Elements of the Audit**

- More accurate knowledge of the land holdings of SCJH lands.
- Knowledge of amount of lands SCJH has available for lease and the location.
- Ability to recover some leases and to make them available for re-leasing.

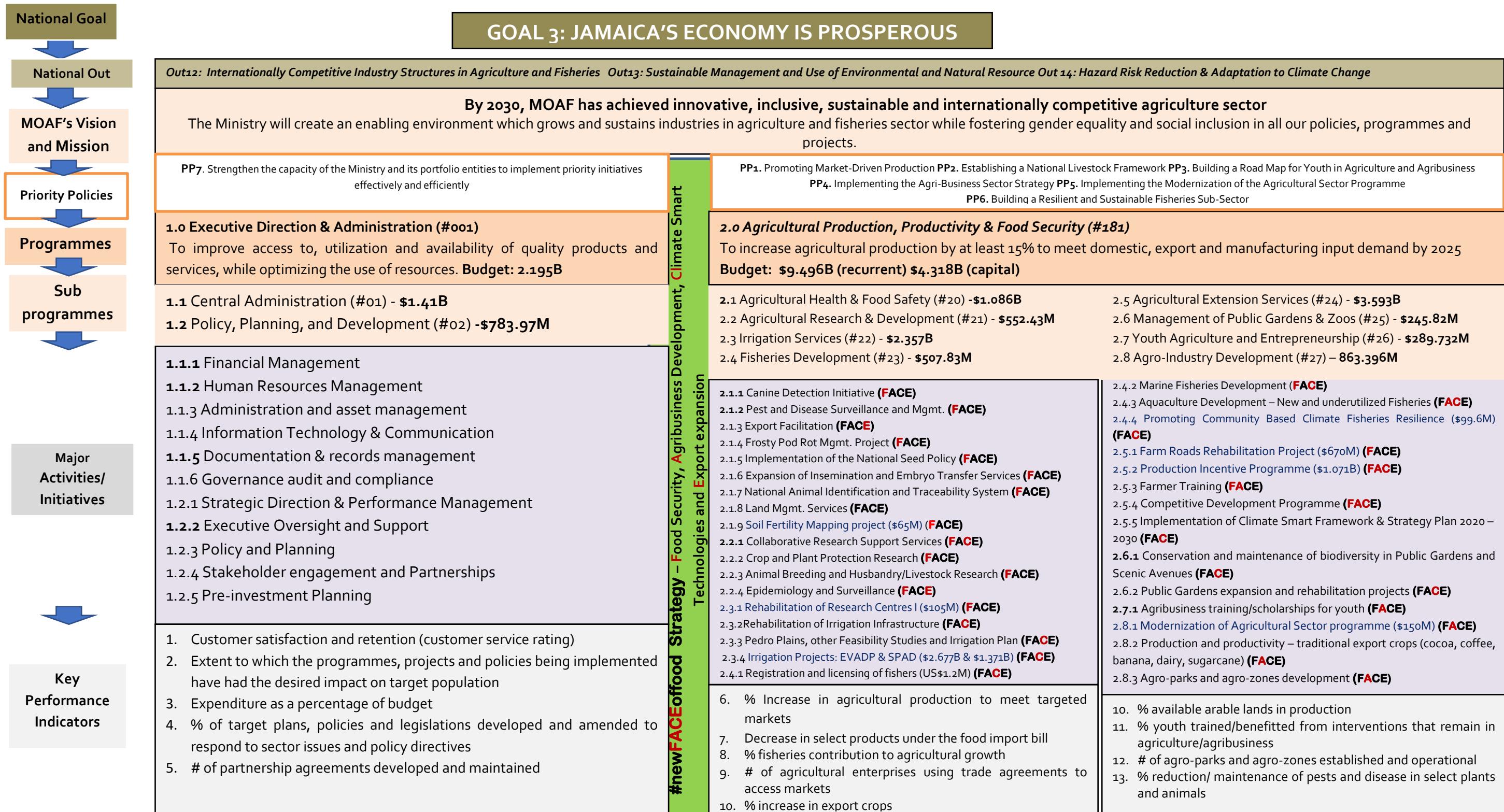
Assessment of the performance of the SCJH lands, in particular the leased lands

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<sup>8</sup> SCJH is working on the acquisition of an Electronic Lease Management System to enhance its land management capabilities. The audit which will be both desk and field based will be used to populate the electronic system.

## Way Forward – MOAF Programme Activity Architecture

Despite the multiple challenges in FY2022/23, the Ministry took the opportunity to review its initiatives' impact on the agriculture and fisheries sector and developed a strategic trajectory for the next four years for a more innovative, more resilient and more sustainable agriculture and fisheries sector that benefits all stakeholders regardless of size of farm; tier of production; age, gender and ability:



## 8 Conclusion

The Ministry will continue to implement priority initiatives geared towards the FY2022 – 2025/26 work programme of action – ***“Building more for our Agriculture Sector: Resilience, Innovation and Sustainability”*** by

1. Promoting Market-Driven Production
2. Establishing a National Livestock Framework
3. Building a Road Map for Youth in Agriculture and Agribusiness
4. Implementing the Agri-Business Sector Strategy
5. Building a Resilient and Sustainable Fisheries sub-sector
6. Strengthening the capacity of the Ministry and entities to efficiently and effectively implement policies, programmes and projects

Under these strategic priorities, the Ministry has undertaken nineteen (19) priority initiatives that will enhance the development and productivity of the sector:

1. Policy and Legislative Development
2. National Farm Road Rehabilitation Programme
3. Production Incentive Programme
4. Rehabilitation of the Research and Development centres (Phase 1 and 2)
5. Implementation of the National Seed Policy
6. Soil Health Fertility Project

### **Irrigation**

7. Essex Valley Agricultural Development Plan
8. Southern Plains Agricultural Development Plan
9. Lucky Hill Pen Agricultural Development Plan
10. Pedro Plains Agricultural Development Plan
11. Yallahs West Agricultural Development Plan

### **Land Utilization Plan**

12. Mango Industry Development Plan
13. Agro parks and Production zones

### **Livestock Industry Development**

14. Small Ruminants Industry Development
15. Establishment of a National Livestock Industry Development Board

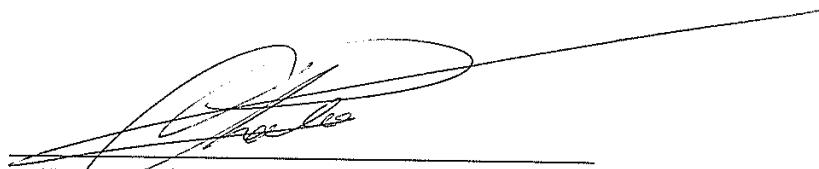
### **National Fisheries Projects**

16. Promoting Community Based climate Based Resilience in the Fisheries Sector Project
17. National Online Fisheries Licensing and Registration System
18. Fishing Beach Rehabilitation
19. Production plan for new and underutilized fisheries

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Despite the challenges of the past year and the persisted effects of the pandemic, the sector was able to record growth in various subsectors such as domestic crop production, poultry meat and eggs production. It is expected that through the continued efforts of the Ministry and its key stakeholders, the sector will continue on an upward path to recovery.



**Hon. Minister Pearnel Charles Jr. M.P.  
Minister of Agriculture and Fisheries  
May 13, 2022**