



ANNUAL REPORT 2016



IICA's technical cooperation contribution to agricultural and rural development, Our Commitment: RESULTS

Prepared by: The IICA Delegation in Antigua and Barbuda

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Acronyms and Abbreviations

Antigua and Barbuda Bureau of Standards	ABBS
Caribbean Farmers Network	CaFan
Caribbean Agriculture Forum for Youth	CAFY
Caribbean Agriculture Network of Rural Women Producers	CANROP
Caribbean Agriculture Research Development Institute	CARDI
Codex Contact Point	CCP
Caribbean Development Bank	CDB
Coordinating Group for Pesticide Control Boards	CGPC
Caribbean Plant Health Directors	CPHD
Coordinating Council for Agriculture Health and Food Safety in Antigua and Barbuda	CCAHFSAB
Eastern Caribbean States	ECS
Food Agriculture Organization	FAO
Gilbert Agricultural Rural Development Centre	GARDC
Inter American Institute for Cooperation on Agriculture	IICA
Ministry of Agriculture Lands Fisheries and Barbuda Affairs	MALFBA
Ministry of Education Science and Technology	MEST
National Codex Committee	NCC
Organization of Eastern Caribbean States	OECS
Secretariat of Agriculture, Livestock, Rural Development, Fisheries and Food,	SAGARPA
United States of Department of Agriculture	USDA

FOREWORD

The Inter-American Institute for Cooperation on Agriculture (IICA) Delegation in Antigua and Barbuda has the pleasure of presenting its Annual Report for 2016. The purpose of this report is two-fold: firstly, to reflect on the work of the IICA Delegation in Antigua and Barbuda highlighting contributions made and achievements realized within the agriculture sector, secondly to demonstrate our commitment to transparency and accountability to our major stakeholders. The agriculture sector in Antigua and Barbuda is of strategic importance to the economic stabilization and development of the country in its role in the reduction of the food import bill.



As a specialized agency in agriculture and rural development we are keen to make interventions in ameliorating the challenges faced by the agriculture sector. In an effort to strengthen our unique technical cooperation model our Medium Term Plan (2014-2018) provides us with the opportunity to partner with a number of public and private organizations to strengthen national capacity in pursuit of a more dynamic and competitive sector. The four instruments for technical cooperation defined in this model are aimed at improving interventions which build competitiveness and sustainability of agricultural chains; support improved inclusion of stakeholders in the agriculture and rural milieu; build resilience of agri-food systems through comprehensive risk management; and provide support towards improved productivity and sustainability. These instruments reflect IICA's strategic outlook for development assistance in Antigua and Barbuda.

In 2016 the Delegation focused on many new innovative ventures including value chains and product development in hot peppers, sweet potato and cassava. A strong focus was also placed on the inclusion of women's impact on the agricultural sector. The use of organic matter to recover degrading in soil for onion production, use of vermicomposting and labelling and packaging training for producer organisations also took prominence.

With the concluding of the Institute's two (2) externally funded projects under the 10th European Development Fund (EDF) ***the Agriculture Policy Programme (APP)*** and ***the Sanitary and Phyto-sanitary (SPS) Measures Project***, activities through our technical cooperation and the Institute supported and addressed some priority areas which generated benefits to agricultural stakeholders by constraints which presently hinder the formation of market linkages, the high importation food bill, Agriculture Health and Food Safety (AHFS), governance within producer groups as well as applied research linked to food security.

In recognition of the success of the projects implemented in 2016, we anticipate the continued partnership and collaboration of the Ministry of Agriculture Lands, Fisheries and Barbuda Affairs (MALFBA), the Organization of Eastern Caribbean States (OECS), Caribbean Agriculture Research Development Institute (CARDI), the private sector, farmer organizations, international agencies, as well as women and youth organizations in rolling out the work programmes necessary to achieve future interventions in 2017. The staff of the IICA Delegation in Antigua and Barbuda, who have been exemplary in their efforts in 2016, will be called on to advance this purpose.

The Institute under the leadership of Dr. Victor Villalobos, Director General of IICA, renews its commitment to all stakeholders in the agriculture and rural sector in their continuance to provide technical assistance and leadership in developing and promoting sustainable agriculture in Antigua and Barbuda.

John H King
Representative in the ECS

Introduction

This report captures and summarizes the main actions of the Inter American Institute for Cooperation on Agriculture (IICA) Delegation in Antigua and Barbuda in 2016 and our proposed actions for 2017. The report is intended to inform the reader of our accomplishments in support of the sustainable development of agriculture and rural communities in the state.

The work of IICA in Antigua and Barbuda is programmed in our Country Strategy which outlines our priority interventions as: support to the development of non-traditional industries; support to vulnerable groups in rural territories particularly women and youth; and support to the development of public sector institutions.

The 2014-2018 Medium Term Plan (MTP) proposes a renewed vision for providing cooperation services at national, regional, multi-national and hemispheric levels. Focusing on Results and finding on-the-ground solutions, delivering technical cooperation using four instruments of action.

IICA's work in the country is a collaborative exercise. Our actions and accomplishments listed here would not have been possible without the support and collaboration of our strategic partners, in particular, the Ministry of Agriculture, producer organizations and other technical agencies similarly engaged in activities aimed at developing agriculture and rural communities.

We expect to be working with both public and private sector partners to identify areas for pre-investment initiatives which could be used to leverage external funds for key development projects. Readers, we look forward to receiving some solid proposals from you in this area.

These are exciting times for agriculture!

The Delegation in Antigua and Barbuda stands ready to work with all of our partners on the ground to make a difference and to walk the talk towards a bright future for agriculture.

Agriculture in Antigua and Barbuda

With a population of approximately 91,295, Antigua and Barbuda is currently ranked as a High Income Small Island Development State (SID). Antigua and Barbuda, like other countries in the Caribbean region, has a small open economy which is heavily dependent on regional and international markets. Antigua and Barbuda's agricultural production is focused on the domestic market and constrained by a limited water supply as well as a labour shortage, given the lure of higher wages offered in the tourism and construction sectors.

Antigua/Barbuda was once a monoculture crop economy that is, sugar cane production. However, within the past two (2) decades, there has been a significant shift from an agrarian society to a tourist oriented society. According to the index mundi Antigua and Barbuda Economy Profile 2016 the GDP per sector are as follows;

The GDP- compositor by Sector: Agriculture-2.4%
 Industry-17.9%
 Services- 79.7 (2015 est)

Nationally, the main concern in Agriculture is the increasing demand for water in view of the highly intensive nature of vegetable production activities. This situation is further compounded by the outdated law in respect of water use and water legislation, hence, for the high prices of agricultural commodities on the local market.

Agricultural activities in Antigua/Barbuda consist of the following:

- Vegetable and Food Crop Production
- Sea Island Cotton Production
- Fruit Crop Production
- Livestock Production

With the abandonment of the sugar industry, large tracts of land became available for farmers who are currently engaged in the production of vegetables and food crops. According to the Extension Division, currently there are some 1,500- 2'000 registered farmers in Antigua/Barbuda, however the majority of these farmers do not have title for the land. Agricultural land constitutes a significant 29.5% of total land area (2009). With 2.8% of the total workforce employed in the sector (2008), the focus of the agricultural industry is largely on subsistence farming or small scale commercial farming catering for the domestic market, resulting in a private sector of limited size.

The current land tenure system is based on an annual rental of \$10.00 per acre, per annum/24.71/ha. Major crops grown by farmers are vegetables per se, solanaceous, roots and tubers, cucurbits, carrot, onions etc. More than 60% of crop is produced under irrigated or partially irrigated conditions.

The farm sizes are categorized as small, medium, or large. The categories are as follows:

- small 0-5 ac (0-2 ha)
- medium 6-10 ac (2.4-4 ha)
- large over 11 ac (4.50 ha)

The reduction of agricultural lands for residential purposes poses the biggest threat to the sector, which according to information received between 2013-2016 over 60 acres of arable lands have been given to housing for residential purposes. Other problems such as access to water, adequate feeder roads and storage of agricultural produce also contribute to the many challenges which the sector faces. However through bilateral agreements and funding from various institutions such as IICA, CARDI, USAID, FAO, to name a few, the MALFB have been able to collaborate in introducing new technologies and innovative approaches towards the agricultural sector such as; protected agriculture, rapid multiplication of germplasm in cassava, drought tolerant experiment in sweet potato, introduction of agricultural science into primary school's curriculum, creation of key agricultural committees such as AHFS among others.



Images showing greenhouse technology a new approach to agriculture



Images showing Government distribution of fertilizers to Producers



Images showing agriculture production on hotel's property



Images showing agriculture activities in schools

IICA's- Instruments of Actions

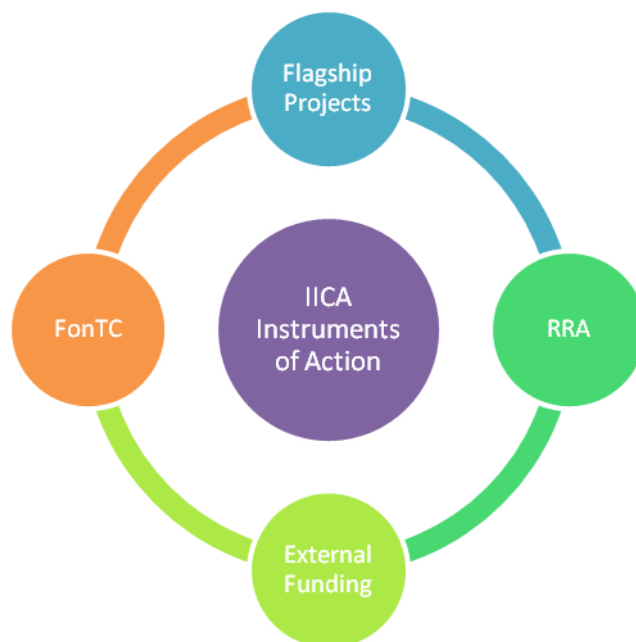


Diagram 1 showing IICA's instruments of action

Projects financed with External Resources: these instruments will be financed entirely with external funds and designed or implemented to complement and expand IICA's actions under this MTP.

Rapid Response Actions (RRA): these are designed to respond to specific requests and opportunities that arise in a country or in a group of countries prompted by political, social or economic changes, environmental emergencies or other emerging issues.

The "Technical Cooperation Fund" (FonCT): this mechanism will be used to finance pre-investment initiatives, formulate projects aimed at securing external resources and to mobilize new financial resources complementary to the Regular Fund.

Flagships: these serve as the "backbone" for delivering IICA's technical cooperation and will aim to achieve the 11 institutional contributions proposed for the 2014-2018 period related to competitiveness, sustainability and inclusion.

Flagship Projects

The purpose of the “*flagship project*” is to highlight and make operational the excellence of the Institute’s technical cooperation. As the main instrument for delivering the 11 contributions, the flagship project is designed and managed as a set of interrelated and coordinated technical cooperation actions, implemented over a four-year period, of hemispheric scope and with concrete regional, multinational and national results. It is geared to the provision of public goods, designed and managed by IICA to comprehensively address complex problems of agriculture. The success of the flagship projects will be the distinctive hallmark of the Institute at the end of the period covered by this MTP.



Diagram 2 showing IICA’s Flagship Projects

The IICA Delegation in Antigua and Barbuda continued execution of its Flagship Projects with various activities under the following components of two (2) Flagships:

- Family Agriculture: Innovation and Extension towards the Sustainable Productive and Food Security,
- Resilience Component 1: Caribbean Climate Smart Agriculture Competition (CCSAC)
- Resilience Component 1: Caribbean Climate Smart Agriculture Webinar Sessions.
- Resilience Component 4: Process to enhance the management and recovery of degraded soils using organic matter" in the Caribbean.

In the execution of the Flagship Projects relating to Resilience and Family Agriculture, a number of field visits, exchanges and workshops (national and regional) were conducted, to develop a methodological guide for the participation and decision making for rural development.

RESULTS OF THE IMPLEMENTATION OF THE NATIONAL TECHNICAL COOPERATION AGENDA IN ANTIGUA AND BARBUDA

FLAGSHIPS

Resilience: A number of activities were executed under the Resilience Flagship Project in 2016 see below, however the highlight of the 2016 under this FP was the CCSAC of which the Sir Mc Chesney George Secondary School in Barbuda won the local and regional competition as a result the school was awarded numerous prizes such as media coverage and documentary video as well as a trip to the Caribbean Week of Agriculture 2016 in Cayman Island to present their findings under the topic entitled: ***Increasing agricultural productivity through applications of innovative technology to overcome drought and unpredictable climate conditions in Barbuda.***(see images below)

1. Workshop: Process to enhance the management and recovery of degraded soils using organic matter" in the Caribbean. (see images below)
2. Local and Regional: Caribbean Climate Smart Agriculture Competition (2 entries)
3. Climate change related (5) Webinar Sessions (15- 20 persons)
 - 1st CCSA Forum: Topic *“The COP21 in Paris: Implications for the Agricultural Sector*
 - 2nd CCSA Forum: Topic: *“Inventory of CSA Actions”*
 - 3rd CCSA Forum: Topic: *“Green Climate Fund: Opportunities for the Caribbean Agricultural Sector*
 - 4th CCSA Forum: Topic: *“Integrated Management of Water Resources for Climate Change Adaptation in Agriculture: Experiences from the Caribbean*
 - 5th CCSA Forum: Topic: *Climate Smart Agriculture: Success Stories from the Eastern Caribbean States*



Images showing mulching, a water conservation method practice at the Sir Mc Chesney Secondary School



Images showing broiler production using tractor pens Sir Mc Chesney Secondary School



Images showing soil sample collection at CValley Farm- Resilience Flagship

Family Farming Agriculture: In the light of the rising demand for organic products and the conducive environment for promoting organic agriculture, the crop production sector/backyard farming in Antigua and Barbuda have the potential to becoming a very productive through vermiculture/vermicomposting. Vermiculture has immense potential as an organic enterprise owing to its low set-up and operating costs particularly in the context of low income in communities. Further conventional producers also will benefit through the use of relatively low cost inputs through the availability.

However, there remain several constraints for expansion, among those being inadequate knowledge of good practices in vermiculture production and absence of a recognized inspection and certification system.

During 2016 phase II of the vermicomposting project was implemented which seeks to collate information on sustainable agricultural practices at the community level by constructing two (2) model units in strategic areas to continue in the public awareness and sensitization process of the project with a view to make them available to the wider agricultural community. See images below showing activities during the project.



Images showing construction of custom made vermicomposting bins



Images showing field activities for vermicomposting workshop

External Funded Projects

Under the 10th European Development Fund (EDF) between the European Commission (EC) and the Inter-American Institute for Cooperation on Agriculture (IICA), the institute was able to continue to execute and implement two (2) externally funded regional projects namely;

1. The Agriculture Policy Programme (APP)
2. Sanitary Phytosanitary Measures Programme (SPS)
3. Code of Practice, Food Safety and Standards

1. Agribusiness and Commercialization

The Agriculture Policy Programme: An Action funded under the 10th European Development Fund (EDF) between the European Commission (EC) and the Inter-American Institute for Cooperation on Agriculture (IICA), with partners the CARICOM Secretariat who led the Component I and Caribbean Agriculture Research and Development Institute (CARDI) who led Component II.

The overall objective of the APP Action is to contribute to enhance the regional and interregional capabilities of the agricultural sectors in eradicating poverty. The APP is ultimately aimed at ensuring that small producers in CARIFORUM countries are more effectively integrated into national, regional and international markets.

The specific objective is to increase the capability of Regional Agricultural Development Organizations to address the development needs of smallholder agriculture. This recognizes the need to strengthen the institutional environment that supports agriculture development and hence, adds value at the regional level through actions aimed at strengthening capacity to implement regional initiatives

The main actions under the APP are as follows:

Components	Descriptions
Component 1	Strengthening Regional Agricultural Development Strategy
Component 2	Improving the Transfer and Adoption of Applied Agricultural Production and Processing Research Results and Technologies and where appropriate, Generate new Technologies for Target Commodities
Component 3	Improving Market Linkages to Contribute to Agricultural Enterprise Development.

Component 3 of the APP is linked to the agro-business support activities which have been an integral part of IICA's technical cooperation agenda. The major activities undertaken during this year in support of promoting trade and competitiveness of agri-business can be grouped as those of capacity building of producer groups and cooperatives in partnering projects. The capacity building training workshops were aimed at assisting the various groups to better manage their business, group strengthening and orientation to good practices.

The list of capacity building activities is included in the Main Activities Organized by IICA. The APP is strengthening existing regional coordinating mechanisms to support the agriculture sector, generating current analysis to formulate evidence-based policy and strategy, researching and supporting proven and new technologies and innovation, improving market linkages and disseminating useful information through workshops and dialogue platforms. One of the major accomplishments under the APP was a group of SME's producer groups were provided with expert, hands-on training in best practices for pepper mash production. This training activity was executed over two (2) days whereby day 1 was dedicated to theory while day 2 was focus on the practical hands on session on how the pepper mash is made (*see images below*). Other activities are as follow below:

- The 'Dialogue 4 Development (D4D)
- Improving Governance in Producer/Enterprise Groups
- Best Practices in Hot Pepper Mash and Hot Pepper Sauce Production Agro-Processors/Enterprise Groups
- Marketing workshop
- GAP workshop collaboration with Caribbean Agriculture Farmers Association Network (CaFan)
- Standard Sanitization Operational Procedures (SSOP) Training for Rural Women Agro Processors
- Product Development, Marketing, Food Safety & GMP For SMEs
- International training program and study tour on 2016 Technology Advances in Agricultural Production, Water and Nutrient Management
- Consultation on the development of a regional policy framework on the herbs and spices industry.
- Strengthening Producer-Buyer Relationship



Images showing pepper mash workshop activities supporting local producers and agro-processors



Images showing rural women support within the agro-processing sector



Images showing bread baking using cassava and sweet potato composite (CARDI/IICA)

2. Strengthening the Agriculture Health and Food Safety System

The Sanitary Phytosanitary Measures Programme (SPS): The overall objective of the 10th EDF Programme is to support the beneficial integration of the CARIFORUM states into the world economy and the overall objective of the SPS programme is to facilitate CARIFORUM States to gain and improve market access by complying with Europe's Sanitary and Phytosanitary (SPS) measures and to help CARIFORUM states to better develop their own regionally harmonized SPS measures.

The actions of the SPS Project is intended to increase production and trade in agriculture and fisheries which meet international standards while protecting plant, animal and human health and the environment.

The Project consists of three (3) Components:

1. *Legislation*
2. *National and Regional SPS Coordination*
3. *Capacity Building.*

The recent food safety events have highlighted the deficit in dealing with reliable scientific information upon which decisions can be made for public safety. This complex issue calls for an interdisciplinary approach, requiring greater cooperation among various agencies and departments. In addressing this IICA has been a major focal point in bringing the public and private stakeholders together to dialogue and promote a holistic approach. The promotion of

agricultural health and food safety resulted in several key national and regional training workshops with support from regional specialists and international partners.

In 2016 the SPS project was able to execute various activities most noticeably the assistance to set-up the national Coordinating Council for Agricultural Health and Food Safety in Antigua and Barbuda (CCAHFSAB) with objectives

- a) To foster synergies in the functions of agencies responsible for the various components of agricultural health and food safety.
- b) To promote private sector involvement in agricultural health and food safety.
- c) To give support to individual public and/or private sector bodies dealing with agricultural health and food safety issues.

CCAHFSAB is comprised of technicians with alternates from both public and private stakeholders. Since the formation of the committee with funding from the SPS Project the committee was able to spear head two (2) activity in 2016 entitled: ***SPS Sensitization Seminar*** and the ***ISPM 15 forum***.

Antigua and Barbuda were beneficiaries of the following activities in 2016 under the SPS Project:

- National Bio-security Workshop for Highly Pathogenic Avian Influenza (HPAI)
- Good Agriculture Practices (GAP) Auditing Training
- SPS Sensitization Seminar for Public and Private Sector Stakeholders in Antigua and Barbuda
- Hazard Analysis Critical Control Point (HACCP) Workshop in support for Public Sector
- HACCP Workshop in support for Private Sector Agro-Processors
- Food Safety Risk Analysis Training Programme
- Regional Validation Workshop – Legislation
- HACCP Workshop – Phase 1, 2 and 3 Train-the Trainers (Conducted by the Grocery Manufacturers Association – Science and Education Foundation; GMA SEF)
- Traceability Pilot Studies - Technical Mission (final) by Consultant. National Validation Workshops
- One Health Leadership Series Workshop – Module IV
- Support Annual Meeting s for key Stakeholders: CPHD, CGPC, CaribVET/CARICOM CVOs



Images showing participants in the HACCP workshop for public sector



Images showing theory and practical sessions GAP Audit workshop

3. Code of Practice, Safe Food and Standards

Codex Alimentarius in Antigua and Barbuda: The IICA Delegation through collaborative effort with the Codex Contact Point – The Antigua and Barbuda Bureau of Standards (ABBS) submitted two (2) projects to the United States Department of Agriculture (USDA) twinning program, this is designed to complement the efforts of IICA and the USDA to strengthen the Codex Alimentarius by promoting capacity building activities based on the sharing of experience and the strengths of Latin American and Caribbean countries. In 2016 both projects were approved and executed. See below the title of each project as well as the twinning partners>

1. Twining Programme partners Chile/Costa Rica: *Public Awareness Workshop on the Codex Alimentarius for the Value Chain Stakeholders.*
2. ECS Sub-Regional Twining Programme partner Brazil: *Strengthening the Capabilities for Codex Contact Points and National Codex Committees in the ECS*
3. Twining Programme partners USA /Canada: *Development of institutional capabilities for the strengthening and sustainability of Codex Alimentarius in the country.*

It should be noted that Eastern Caribbean States (ECS) submitted another twining project which was approved the entitled: *Strengthening the Capacities of the Codex Contact Points and National Codex Committees within the ECS to participate more effectively and strategically in the work*

of *CODEX Alimentarius*. This project was twined between the ECS and Brazil and was coordinated and hosted in Antigua and Barbuda.

In addition to the twinning programmes activities the Delegation also facilitated the participation of local experts to attend numerous international Codex meetings. This was an opportunity for Antigua and Barbuda to coordinate actions and set an articulated national agenda on Codex issues and to ensure greater regional coordination of positions.

Codex Meetings supported in 2016

1. Colloquium of Codex Alimentarius
2. Inter Regional Codex Alimentarius Colloquium
3. Session of the Codex Alimentarius Commission
4. 20th session of the FAO/WHO Coordinating Committee for Latin America and the Caribbean (CCLAC20).



Images showing Twining Activities with USA and IICA's support to Codex Alimentarius

Horizontal Cooperation

First Meeting for Ministers and Secretaries of Agriculture of Mexico and the Caribbean in Merida, Yucatan Mexico: Through integration in the hemisphere the delegation facilitated and collaborated with various institutions on various activities of which key technicians and ministers attended.

The attendance of the Minister for Agriculture, Lands, Fisheries and Barbuda Affairs Hon. Arthur Nibbs to attend the First Meeting for Ministers and Secretaries of Agriculture of Mexico and the Caribbean in Merida, Yucatan Mexico from October 18th - October 21st 2016.

The high level meeting in Mexico was designed to facilitate dialogue with Caribbean Countries with the objective of the ministers to exchange knowledge and experiences in strategic areas of the agri-food sector with International Organizations to develop regional projects in technical cooperation to be implemented in a short term period.

The session was facilitated by specialists from International Organizations, all geared towards preparing for the implementation of two Regional Technical Cooperation projects.

The forum highlighted topics such as: Women and youth inside rural environment, family agriculture, shared challenges in animals and plant health, food and safety, food quality identification and agricultural sustainability.

CARDI

CARDI have all learnt and recognize the importance of coordination of policies and strategies at the regional level to ensure needs and requirements of small holders, and micro, small and medium enterprises (MSEM) are incorporated and addressed. In 2016 IICA continued to partner with CARDI in implementing the APP project activities. In Antigua and Barbuda CARDI with responsibility for Component 2 - Applied Farm and Processing Research Technologies and Innovation and where appropriate generate new technologies executed various activities such as the following:

- Sweet potato producers benefited from the establishment of – four (4) research plots to evaluate performance of 4 varieties for adaptability to extreme weather (dry) conditions and one ex-situ conservation plot as the source of improved planting material.
- Over 50 producers trained in sweet potato producing and multiplying germplasm, good agricultural practices, and other techniques for improved farm productivity, including access to a walk-behind tractor for efficient land preparation.
- Rapid multiplication of cassava mini stems for Farmers Group CaFan and Extension Officers



Images showing two drought tolerant demo plots location: CARDI and Burkes



Images showing propagating bins with cassava mini stems at CARDI



Images showing sixty-nine (69) sweet potato accessions under Cardi R&D programme and Value added project

SAGARPA-Mexico

In 2016 the IICA-SAGARPA Mexico training programme continued whereby numerous **On-line Trainings for 2016** were offered to strengthen technical capacity in agriculture to Caribbean and Central America Countries. The courses offered were as follows:

- Biotechnology and its application in agriculture
- Agro-Ecotourism
- Protected Agriculture Training Course-Distance Learning via Multimedia
- Graduate Diploma in Public Policy in Agriculture

FAO

In keeping with the effort in achieving food security for all FAO goal is to make sure people have regular access to enough high quality food to lead active and healthy lives. Their main goals are:

- a) Eradication of Hunger, Food Security and Malnutrition
- b) Elimination of Poverty and the driving forward of economic and social progress for all.
- c) Sustainable management and utilization of natural resources for future generation.

In 2016 through FAO work plan for Antigua and Barbuda, IICA was included through our horizontal cooperation on various activities which contributed to the improvement and sustainability of the agricultural sector.

- Traceability Project
- Building of an aquaculture / aquaponic tank at the Princess Margret School
- Expansion support for the school garden program
- Expansion for the ZHC backyard program
- Approval was giving to start the upgrade of 100 small scale farmers
- Removal of obsolete chemicals
- Livestock development and improvement through artificial insemination for small ruminant
- Building of shade houses in schools as part of climate smart agriculture



Images showing FAO school Zero Hunger Backyard Programme initiative at Greenbay Primary

Strategic Alliances

- MALFBA
- Antigua and Barbuda National Codex Council (NCC)
- OECS
- GEF
- USAID
- CDB
- GARDC
- CANROP
- CAFY
- CABA
- CaFan
- Environment Division
- ABBS



Images showing strategic alliances activities: Sweet Potato Characterization and ECS Twining

Main Activities Organized by IICA: Workshops and Events 2016

Workshop/Event	Facilitators	Month	No. of Participants	Location
Twining Programme partners Chile/Costa Rica: Public Awareness Workshop on the Codex Alimentarius for the Value Chain Stakeholders. (3 days)	Ms. Ana Christina Gomez/Ms. Giannina Lavagni	March	50	SVRS
National Bio-security Workshop for Highly Pathogenic Avian Influenza (HPAI)	Dr. Monica Davis	March	25	Environment Division
Good Agriculture Practices (GAP) Auditing Training. (2 days)	Mr. Thomas Edmund	April	35	Environment Division
Improving Governance in Producer/Enterprise Groups	Ms. Sandra Ferguson	September	30	Environment Division
Best Practices in Hot Pepper Mash and Hot Pepper Sauce Production. (2 days)	Dr. Ian Lambert	September	25	ABHTI
ISPM-15 Public Awareness Seminar	Dr. Janil-Gore Francis	November	36	SVRS
Twining Programme partners USA /Canada: Development of institutional capabilities for the strengthening and sustainability of Codex Alimentarius in the country. (4 days)	Mr. Bhavik Thakkar/ Ms. Mary-Francis Lowe	December	50	Halcyon Cove
SPS Sensitization Seminar for Public and Private Sector Stakeholders in Antigua and Barbuda	MALFBA/ABBS	October	35	SVRS
Hazard Analysis Critical Control Point (HACCP) Workshop in support for Public and Private Sector (separate events)	Ms. Julie-Ann Laudat/ Ms. Margo Ford	November/ December	30 (Public) 30 (Private)	Multipurpose Center National Public Library
Hosted 5 Webinar Sessions on Climate Change Related topics linked to Agriculture	Various Facilitators	Jan-Dec	15 participants per sessions	Environment Division

Programme 2017

The following activities have been programmed for execution in 2017 by the local Delegation:

1. Support to Agricultural Organisations
 - Governance –Commercial and Value Chain driven approach
 - Product development
 - Investment proposal development
2. Agriculture Health and Food Safety
 - Support the Coordinating Council for Agriculture Health and Food Safety in Antigua and Barbuda (CAHFSAB)
 - Support the articulation of the legislative mechanism
3. Resilience Flagship
 - Continuation management of organic matter to recover degraded soils.
 - Climate Smart Agriculture Webinar Forums
4. Agro-Tourism
5. IICA-USDA
 - Codex Twinning Programme
6. IICA- SAGARPA
 - Protected Agriculture
 - Extension methodologies
 - Water and soil conservation
7. Family Farming Agriculture Flagship
 - 3rd Phase Vermi-Composting Project –Production and Research
8. Management Structure
 - Maintain/strengthen relationship with partners (CARDI, MALFBA, ABBS, MEST, CDB)
 - General delegation management
 - Articulation with the media
 - Acquisition of external resources

REFERENCES

Antigua & Barbuda's 2015-2020 National Action Plan: Combating Desertification, Land Degradation & Drought

ZERO HUNGER CHALLENGE PROGRAM (ZHCP) Technical Mission Report

<http://www.fao.org/home/en/>

http://www.commonwealthofnations.org/sectors-antigua_and_barbuda/business/agriculture/

Country: Antigua and Barbuda
Data Set: Imports of Agricultural Products

Value: (EC\$)

Period: 2012-2016

Products	2012		2013		2014		2015		2016	
	CIF Value	Net Weight (kg)	CIF Value	Net Weight (kg)	CIF Value	Net Weight (kg)	CIF Value	Net Weight (kg)	CIF Value	Net Weight (kg)
OTHER LIVE FISH FOR BREEDING	7,868	440	0	10,648	198	1,490	3,359	140	1,490	30
OTHER LIVE FISH	5,996	363	3,432	1,826	125	0	1,371	68	0	0
OTHER FISH, FRESH OR CHILLED	308,407	84,734	409,734	129,853	87,582	144,060	569,001	144,060	289,309	61,410
LOBSTER (HOMARUS SPP.) FROZEN	18,974	184	4,765	121	225	639	13,810	639	85,758	5,435
CONCH FROZEN	14,754	941	16,463	883	14,089	21,290	14,089	21,290	20,953	912
OTHER BONELESS MEAT OF BOVINE ANIMALS FROZEN	2,186,417	179,782	1,954,479	172,973	1,906,588	182,390	2,023,815	182,390	2,067,169	187,975
CARCASSES AND HALF-CARCASSES OF SWINE	0	0	0	0	0	0	659	10	0	0
CARCASSES AND HALF-CARCASSES OF SHEEP, FRESH OR CHILLED	223,227	29,712	192,272	23,113	249,561	29,367	214,364	29,367	213,131	33,429
HAMS, SHOULDERS AND CUTS THEREOF, WITH BONE IN, FRESH OR CHILLED	71,868	22,518	115,763	28,573	348,870	64,703	359,260	64,703	322,159	81,082
OTHER FRESH OR CHILLED MEAT OF SWINE	1,442	101	61,333	2,483	32,609	247	2,798	247	0	0
FROZEN CARCASSES AND HALF-CARCASSES OF SWINE	1,503,585	268,934	1,418,338	218,473	1,536,022	198,886	1,317,989	198,886	1,616,318	251,372
HAMS, SHOULDERS AND CUTS THEREOF, WITH BONE IN, FROZEN	2,058,906	232,716	2,029,126	235,084	2,093,645	239,299	2,263,276	239,299	2,167,173	258,306
OTHER MEAT OF SWINE FROZEN	0	0	1,191	323	0	0	0	0	5,044	992
CARCASSES AND HALF-CARCASSES OF LAMB FRESH OR CHILLED	0	0	0	0	1,527	98	0	0	0	0
CARCASSES AND HALF-CARCASSES OF SHEEP, FRESH OR CHILLED	143,265	7,359	58,271	3,266	67,470	3,645	75,197	3,951	73,150	3,002
OTHER CUTS OF SHEEP WITH BONE IN, FRESH OR CHILLED	14,813	516	11,317	470	3,164	1,062	14,061	1,062	0	0
BONELESS: MEAT OF SHEEP, FRESH OR CHILLED	619,629	34,503	602,864	36,364	824,719	54,171	609,568	31,220	539,762	36,594
CARCASSES AND HALF-CARCASSES OF LAMB, FROZEN	0	0	3,199	459	3,489	204	3,163	168	87,246	7,881
CARCASSES AND HALF-CARCASSES OF SHEEP, FROZEN	706,757	48,495	655,883	52,434	508,609	43,428	763,022	58,260	432,932	36,013
OTHER CUTS OF SHEEP WITH BONE IN, FROZEN	67,872	5,828	20,493	2,050	32,610	4,411	93,896	4,411	26,471	2,557
BONELESS MEAT OF SHEEP FROZEN	105,674	14,342	283,636	32,762	868,055	111,854	748,010	114,524	856,157	113,142
MEAT OF FOWLS NOT CUT IN PIECES FRESH OR CHILLED	1,105,264	171,074	1,382,518	205,945	1,116,027	161,293	958,873	163,621	691,342	175,447
MEAT OF FOWLS NOT CUT IN PIECES, FROZEN	25,496	3,129	15,556	2,077	9,906	1,863	17,417	2,246	12,050	2,572
DESICCATED COCONUTS	0	0	0	0	0	0	0	0	0	0
OTHER COCONUTS IN SHELL	79,885	54,310	88,491	52,200	101,213	52,554	60,241	45,396	47,076	17,409
OTHER COCONUTS	0	0	604,409	137,717	775,905	150,475	954,717	175,802	925,425	169,634
PINEAPPLES, FRESH	0	0	80,243	17,441	6,840	786	9,111	1,056	9,810	1,004
PINEAPPLES, DRIED	559,185	135,401	0	0	0	0	0	0	0	0
PINEAPPLES, CHILLED OR DRIED	7,825	1,194	473,348	162,803	546,640	175,974	558,674	192,868	534,099	182,867
AVOCADOS, FRESH	0	0	1,306	87	1,609	122	590	80	52	10
MANGOES, FRESH	0	0	7,802	661	7,793	772	8,070	938	10,251	1,303
MANGOES, DRIED	0	0	336,291	112,485	318,665	107,302	244,104	84,708	151,094	51,759
ORANGES, FRESH	0	0	14,501	4,663	18,462	5,828	6,436	2,150	13,474	4,678
OTHER MANDARINS (INCLUDING TAN GERINES AND SATSUMAS); CLEMEN TINES, WILKINGS AND SIMILAR CITRUS HYBRIDS, FRESH	0	0	68,406	38,917	75,765	44,438	66,374	40,646	52,979	33,205
GRAPEFRUITS INCLUDING POMELOS, FRESH	0	0	244,802	49,504	331,961	71,335	370,351	61,139	400,346	63,099
LEMONS, FRESH	0	0	214,984	48,935	310,973	62,443	291,721	60,448	317,080	49,073
LIMES, FRESH	0	0	185,592	58,746	182,290	38,867	141,616	30,546	117,338	23,790
WATERMELONS, FRESH	0	0	600,104	152,740	727,895	122,154	776,116	147,579	737,509	125,317
WATERMELONS, CHILLED	0	0	263,861	57,818	264,002	53,897	237,557	44,699	209,230	34,736
CANTALOUPE, FRESH	0	0	404,444	90,923	553,673	91,862	509,043	91,500	382,445	75,357
CANTALOUPE, CHILLED	0	0	181,690	35,786	206,117	44,607	140,862	24,636	115,964	20,422
OTHER MELONS, FRESH	0	0	267,106	57,724	275,534	52,562	293,908	58,306	210,100	41,154
OTHER MELONS, CHILLED	0	0	15,122	4,866	33,687	8,394	66,893	16,509	58,090	14,899
PAPAW(S)(PAPAYAS), FRESH	0	0	47,760	9,173	17,831	3,046	64,578	13,208	61,845	12,015
PAPAW(S)(PAPAYAS), CHILLED	0	0	6,197	1,992	7,944	2,488	7,563	2,446	9,758	3,087
GOLDEN APPLES, FRESH	8,850	2,912	0	0	0	0	0	0	0	0
GOLDEN APPLES, FRESH	0	0	38,597	30,666	41,228	32,045	30,318	24,442	45,215	38,174
PASSION FRUIT, FRESH	0	0	1,671	120	5,782	447	4,446	342	4,189	326
SOURSOP, FRESH	0	0	1,548	921	1,599	959	4,440	2,909	10,373	6,625
BREADFRUIT, FRESH	0	0	2,159	631	3,453	960	4,332	1,357	1,643	522
CARAMBOLAS, FRESH	0	0	0	0	0	0	0	0	0	0

Country: Antigua and Barbuda

Data Set: Imports of Live Animals

Value: (EC\$)

Period: 2012-2016

Products	2012		2013		2014		2015		2016	
	CIF Value	Net Weight (kg)	CIF Value	Net Weight (kg)	CIF Value	Net Weight (kg)	CIF Value	Net Weight (kg)	CIF Value	Net Weight (kg)
RACE HORSES NOT FOR BREEDING	51,308	3,500	0	0	0	0	0	0	0	0
RACE HORSES NOT FOR BREEDING	0	0	11,272	589	63,667	5,939	0	0	0	0
GOATS: FOR BREEDING	0	0	0	0	0	0	0	0	0	0
OTHER LIVE GOATS	0	0	0	0	0	0	0	0	0	0
FOWLS: FOR BREEDING WEIGHING NOT MORE THAN 185G	25,836	401	11,141	191	30,795	367	17,229	242	9,394	40
FOWLS FOR REARING WEIGHING NOT MORE THAN 185G	37,021	696	64,805	816	32,156	465	133,492	2,193	54,130	831
TURKEYS: FOR BREEDING WEIGHING NOT MORE THAN 185G	0	0	1,405	15	0	0	0	0	0	0
TURKEYS: FOR REARING WEIGHING NOT MORE THAN 185G	0	0	0	0	0	0	0	0	0	0
OTHER: POULTRY FOR REARING WEIGHING NOT MORE THAN 185G	20,662	345	35,357	606	17,186	227	27,563	450	14,820	239
COCKS: FOR REARING WEIGHING <= 2,000 G	2,505	36	0	0	0	0	0	0	0	0
HENS: FOR REARING WEIGHING <= 2,000 G	26,425	795	0	0	0	0	0	0	0	0
HENS: FOR BREEDING WEIGHING NOT MORE THAN 185G	0	0	3,099	47	0	0	0	0	0	0
OTHER: POULTRY FOR BREEDING WEIGHING NOT MORE THAN 185G	41,776	412	64,403	624	38,171	453	34,537	290	17,401	149
OTHER: POULTRY FOR REARING WEIGHING NOT MORE THAN 185G	0	0	0	0	12,878	207	20,850	304	19,332	272
OTHER LIVE POULTRY THAT IS TO SAY FOWLS OF SPECIES GALLUS DOMESTICA	68,681	1,485	18,910	213	0	0	2,782	44	0	0
PIGEONS	940	8	0	0	0	0	0	0	0	0
TURTLES	363	11	0	0	0	0	0	0	0	0
DOGS	26,544	1,048	0	0	0	0	0	0	0	0
CATS	400	17	0	0	0	0	0	0	0	0
OTHER: BIRDS	5,614	37	0	0	0	0	0	0	0	0
OTHER ANIMALS NOT CONSIDERED AS PETS	1,175	80	0	0	0	0	0	0	0	0
TURTLES	0	0	237	10	523	36	832	33	423	20
OTHER REPTILES (INCLUDING SNAKES AND TURTLES)	0	0	197	11	0	0	0	0	0	3
PSITTACIFORMES (INCLUDING PARROTS, PARAKEETS, MACAWS AND OTHER BIRDS)	0	0	749	48	0	0	0	0	0	7
OTHER BIRDS	0	0	0	0	0	0	0	0	0	11
DOGS	0	0	12,023	592	9,997	496	27,404	846	9,192	445
CATS	0	0	1,637	77	100	10	541	27	1,000	24
OTHER ANIMALS CONSIDERED AS PETS	0	0	150	5	200	55	1,500	120	933	52
OTHER ANIMALS NOT CONSIDERED AS PETS	0	0	0	0	419	18	1,575	256	950	76

Source: Statistics Division, Ministry of Finance and Corporate Governance

Date: 17 February 2017

Country: Antigua and Barbuda

Data Set: Exports of Live Animals

Value: (EC\$)

Period: 2012-2016

Products	2012		2013		2014		2015		2016	
	CIF Value	Net Weight (kg)	CIF Value	Net Weight (kg)	CIF Value	Net Weight (kg)	CIF Value	Net Weight (kg)	CIF Value	Net Weight (kg)
OTHER SWINE FOR BREEDING WEIGHING 50KG OR MORE	0	0	0	0	0	0	1,500	90	0	0
SHEEP: FOR BREEDING	0	0	0	0	0	0	0	0	2,200	136
OTHER: LIVE SHEEP	0	0	0	0	900	35	0	0	100	60
GOATS: FOR BREEDING	0	0	0	0	0	0	0	0	200	25
OTHER LIVE GOATS	0	0	0	0	400	15	0	0	0	0
FOWLS FOR REARING WEIGHING NOT MORE THAN 185G	708	75	1,300	30	0	0	0	0	0	0
OTHER LIVE POULTRY THAT IS TO SAY FOWLS OF SPECIES GALLUS	0	0	0	0	500	8	600	150	3,100	1,320
DOGS	0	0	420	9	1,500	23	600	45	500	23
Total	708	75	1,720	39	3,300	81	2,700	285	6,100	1,564

Source: Statistics Division, Ministry of Finance and Corporate Governance

Date: 17 February 2017

STAFF MEMBERS

Technical

Craig M. Thomas
National Technical Specialist
craig.thomas@iica.int

Administrative

Tamisha Edgecombe-James
Executive Secretary
tamisha.edgecombe-james@iica.int

Auxiliary

Mignon Williams