



# SURVEILLANCE AND SURVEY

JAMAICA

PLANT QUARANTINE/PRODUCE  
INSPECTION BRANCH

MINISTRY OF AGRICULTURE AND  
FISHERIES

# Types of Specific Survey

- ❑ Detection- presence or absence
- ❑ Delimiting- to establish boundaries of infested or non infested areas
- ❑ Monitoring- ongoing survey to verify the characteristics of a pest population

# Current Surveys

- ❑ Anastrepha fruit flies (St. Thomas)  
*Anastrepha suspensa, obliqua, ocrexia*  
monitoring
- ❑ Pepper weevil (*Anthonomous eugenii*)-  
detection, monitoring
- ❑ Mediterranean fruit fly- (*Ceratitidis capitata*)- detection

# Anastrepha fruit flies (St. Thomas) Monitoring

## **Back ground**

- Interception of *Anastrepha* spp
- Increased interceptions EU
- The European Commission sent warning letter to Jamaica
- Jamaica was urged to take action-  
**Development of action plan and  
Temporary ban on the product**

# Objectives

- Determined the levels of fruit fly population
- Removes flies from the population
- Monitor the efficacy of suppression techniques

# Sensitization of Stakeholders



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# *Ceratitis capitata*

## Mediterranean fruit fly (medfly)



- One of the world's most destructive fruit pest
- Reportedly infests some 260 different fruits, flowers, vegetables and nuts

# Background/Rationale

## **Jamaica at great risk for TFF due to:**

- Large quantity of fruit fly host material imported( by passenger movement and cargo)
- Climate favourable for reproduction
- Availability of hosts
- Jamaica among the countries listed as having Medfly

# Agencies Involved

- RADA has responsibility for the field aspects
- PQ/PI for covering ports of entry
- R&D for identification
- USDA-APHIS provided expert advise, training and funding

# UPCOMING SURVEYS

- *Rhynchophorus ferrugineus* (Red Palm Weevil)
- *Anthonomus eugenii* (Pepper Weevil)

# Red Palm Weevil (Background)



- One of the worst palm pests
- Introduced to the region through the Dutch Caribbean (Curacao and Aruba)
- Region wide survey to be conducted  
15 countries selected to be a part of the staff training and country wide survey
- Jamaica is in the second set to be trained along with Barbados, Cayman Islands, Guyana, Suriname and Turks and Caicos in 2015

# ANTHONOMOUS EUGENII (Pepper Weevil Background)

- EU Directive 2000/29/EC in 2015
- Belize, Costa Rica, Dominican Republic, El Salvador, Guatemala, Honduras, Jamaica, Mexico, Nicaragua, Panama, Puerto Rico, USA and French Polynesia
- Annex IV A I, 36.3. a) or b)
- Additional declaration on the phytosanitary certificate
  - (a) The fruits originate in an area free from *Anthonomus eugenii* Cano
  - (b) The fruits originate in a pest free place of production
- Pest of sweet and hot peppers

# ANTHONOMOUS EUGENII (Pepper Weevil Background)

- Determine Presence or Absence (Detection survey) of Pepper Weevil at Farms Exporters buy from
- We **urge** Exporters to buy from these farmers until the island wide survey is completed
- New and Existing farms are inspected prior to shipping

# Pepper Weevil





## Pest of Concern

*Achatina fulica* (Giant African Snail)

*Bactrocera dorsalis* (Oriental fruit fly)



**Thank you**