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# IPPC Global Workshop on Systems Approaches

Santiago, Chile  
1 – 4 December 2025

In partnership with:



Australian Government  
Department of Agriculture,  
Fisheries and Forestry

## Systems Approach for the export of June Plums from Grenada to the United States

**Presenter: Thaddeaus Peters; Chief Agricultural Officer**

**Ministry of Agriculture, Lands and Forestry – Grenada**

[cao@moa.gov.gd](mailto:cao@moa.gov.gd)



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## Introduction

### Background:

Grenada (Isles of Spice) – Located in Southern Caribbean; 344 sq.km; Population of 120,000; Agriculture contributes 5% to GDP

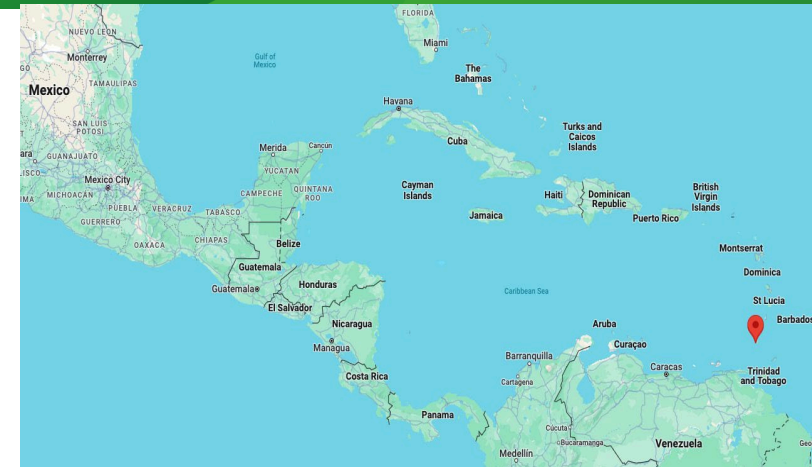
Main export crops: Nutmeg, Cocoa, Soursop

Other minor exports: June plums, Avocadoes, Mango, Cinnamon

Detection of the West Indian fruit fly, *Anastrepha obliqua* (Macquart) in 2002 ended a period of 'Fruit fly Free Status' for Grenada

Mangoes, June Plums and other primary host were banned from entry into US markets

The estimate market loss was valued a \$ 5 Million dollars



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## Overview

June Plum, *Spondias dulcis*(Forst) is a Stone fruit from the Anacardiaceae family

Exports are to ethnic markets in the USA using air freight

The fruits are harvested mature green for export

The *A. obliqua* population is monitored by trapping with the use of Multi-lure traps and Torula yeast.

Fruit cutting and host rearing are also done

Protein bait (Hydrolysed protein + Spinosad) is applied to help suppress the pest population

The trade resumed in 2017 with consignments being Irradiated at the Gateway facility in Gulf Port

Mississippi







## Responsibilities – NPPO Grenada

- Establish a system to approve, register, and monitor certified production units and Packing Houses under the program
- Establish a Traceability system with Packing House Code (PHC) and Production Unit Codes (PUC)
- Implement pest management strategies at production sites to maintain low pest population
- Maintain at least two traps for *Anastrepha* and an FTD below 0.07 for production sites
- Sign compliance agreement with packing houses to ensure the June Plums are prepared separately from those for other markets
- Sample, inspect, and issue Phytosanitary Certificates for all consignments





## USDA Responsibility

- Monitor the irradiation treatment facility to ensure that requirements are met
- Issue a treatment certificate for each consignment that successfully meets Program and phytosanitary irradiation dose requirements
- Conduct treatment facility certification, process configuration approval, and treatment audits.
- Reserves the right to suspend imports, if the target pests, non-target pests or other conditions in the protocol are not met.





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- Two Packinghouses and eight farms participate in the program
- Approximately 50000 kg exported in 2025
- Challenges include
  - Aged fields with low productivity
  - Mixed cultivation of June Plums
  - Cumbersome shipping arrangement. The consignment must enter at closest port to the treatment facility. There are no direct shipping from Grenada to Gulf Port
  - Soursop cultivation and export has taken precedence over June Plums and other minor fruits







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# Thank you