

Light Brown Apple Moth Cooperative Program

United States Department of Agriculture
Animal and Plant Health Inspection Service
Plant Protection and Quarantine

California Department of Food and Agriculture

Moss Landing, CA

What does the Federal Order establish?

- Quarantined Areas
- Determination of Infestation
- Regulated Articles
- Conditions for Interstate / International Movement of Regulated Articles



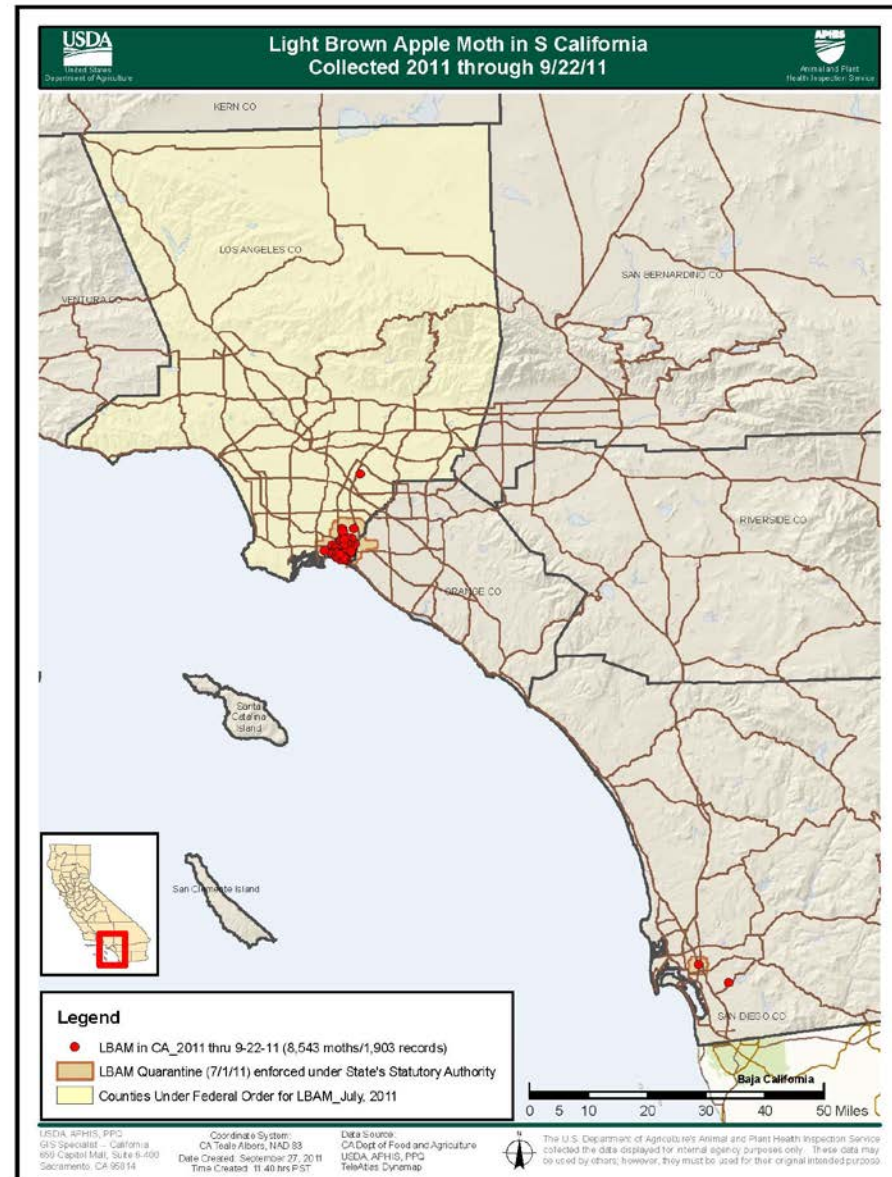
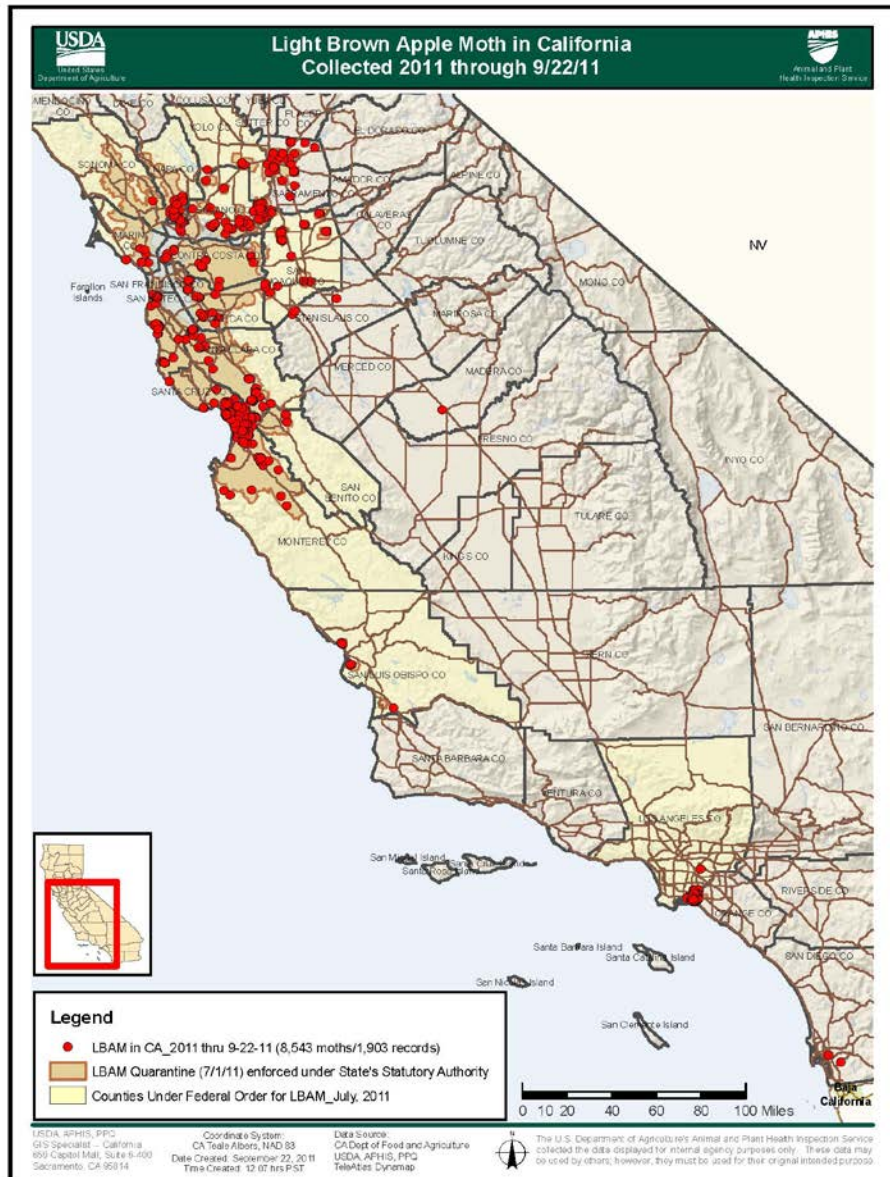
Regulated Areas

- Federally Regulated Counties:

- Alameda
- Contra Costa
- Los Angeles
- Marin
- Monterey
- Napa
- San Benito
- San Joaquin
- San Luis Obispo
- San Mateo
- San Francisco
- Santa Clara
- Santa Cruz
- Solano
- Sonoma
- Yolo



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Regulated Articles:

- Nursery stock
- Cut flowers, garlands, wreaths or greenery of any plants
- Cut trees and shrubs, such as Christmas trees
- Green waste
- Fruits and vegetables (except as indicated on the attached list of exempted commodities)
- Bulk fresh herbs and spices (except as indicated on the attached list of exempted commodities)
- Any other products, articles, or means of conveyance of any character whatsoever, when it is determined by an inspector that they present a hazard of spread of LBAM.

Compliance Agreements

- All producers and handlers of LBAM host material within quarantine must enter into a Compliance Agreement to move product
- Compliance Agreements set-forth:
 - Conditions for movement outside any regulated area
 - Frequency of inspections and trapping protocols
 - Requirement for integrated pest management (IPM)
 - Conditions for prescribed treatments in any LBAM life-form detected during inspections

Program Operations

Containment:

Regulatory Inspections

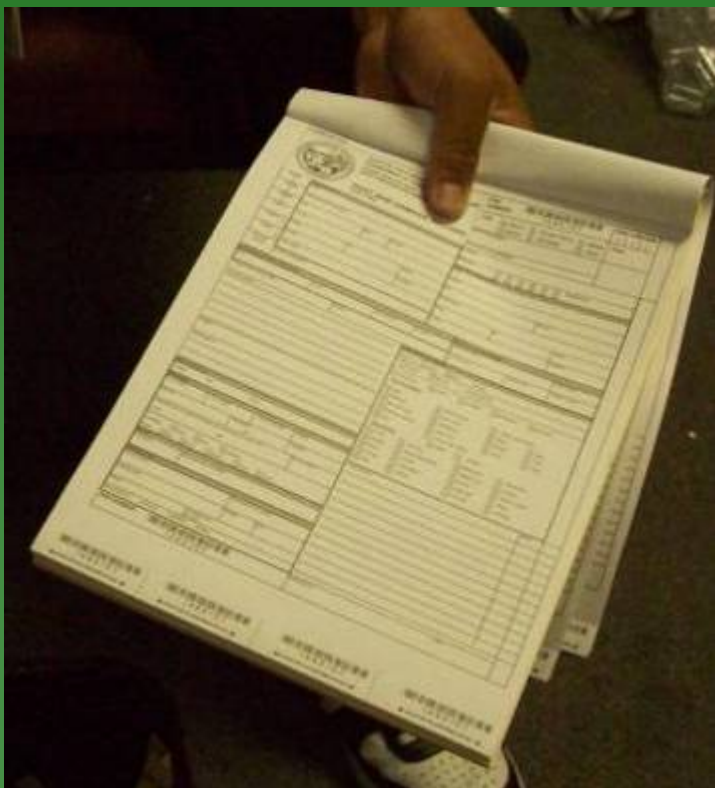
Regulatory Treatments

Regulatory Inspection Overview

- Nursery Inspections
 - Floriculture
 - Ornamentals
- Commodity Inspections
 - Field Inspections
 - Coolers / Processors / Packers



Suspect Laboratory Results Trigger Regulatory Treatment



- “Non-target”
 - Release hold & resume Inspection frequency
- “Consistent with *Epiphyas postvittana*”
 - Full-Hold on Premises
 - Nothing Moves
 - Regulatory Treatment is REQUIRED
 - Inventory of All plants:
 - If not treated and moved off site violations are issued

Treatment Targets Larvae and Eggs

- Regulatory Treatment:
 - Approved pesticide at quarantine approved rate
 - Oil at minimum of 1% volume
- Common Examples:
 - Proven efficacious against LBAM



Chlorpyrifos



Spinosad



Oils



Monitoring Treatments

- All aspects are monitored (Mixing/Application)
 - Must be within Regulatory Treatment Parameters
 - Dilution
 - Product proven efficacious against LBAM
 - Ensure full-coverage to run-off
- Dilution rates
 - Must meet program defined rates per pesticide
- Weather dependent
 - Leaves must be dry at application
 - Pesticide must be dry after application

Mixing



Application



Application



Post-Treatment Inspection

- 100% Inspection of All treated plants
- Negative findings
 - Release Hold
 - Back to regular inspection frequency
- Suspect LBAM
 - Quarantine infested lots
 - Retreat infested lots only

