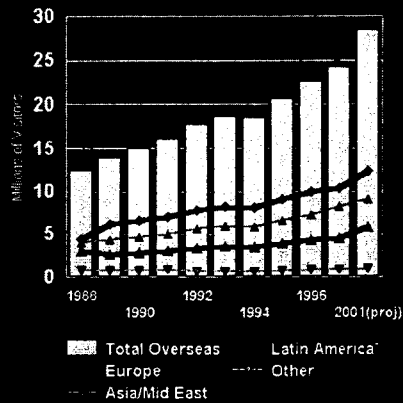


Traditional Mission of Plant Protection and Quarantine:

To carry out programs and activities to protect U.S. agricultural resources from exotic plant pests and diseases, to prevent the spread of pests within the US and to certify US crops, fruits, and vegetable products for export

Oveseas Visitors to the U.S. (excluding Canada and Mexico)

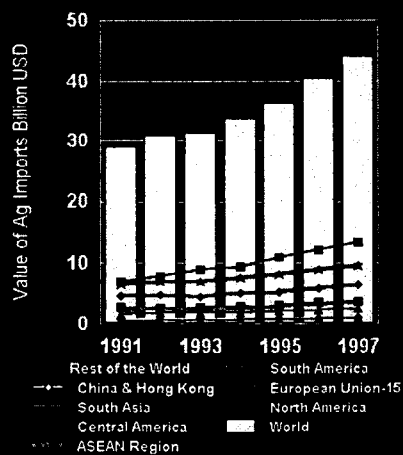
- All Overseas Visitors will increase by 18% from 1997 to 2001.
- Visitors from Latin America (S.America, C. America & Caribbean) will increase by 34% from 1997 to 2001.



Source: US Dept of Commerce, Intl Trade Admin. Comp with IMF, 2004

U.S. Agricultural Imports by Region of Origin

- Historically, North America, the European Union and South America have been the top 3 regional suppliers of U.S. agricultural imports.

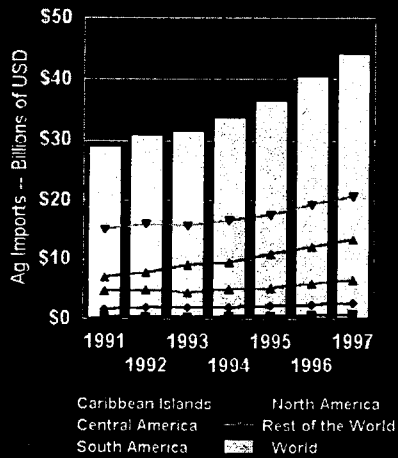


Source: FAS Global Ag Trade System

Trends in U.S. Agricultural Imports from Western Hemisphere Countries

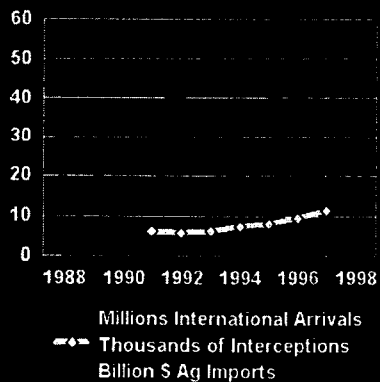
■ From 1996 - 1997 US agricultural imports from Western Hemisphere regions increased by:

- South America 10%
- North America 10%
- the Caribbean 30%
- Central America 13%
- Rest of World 7%



Interception Trends

■ Interceptions, International Air Passenger Arrivals and Agricultural Imports all Trend Upwards over Time



SPECIES OF FRUIT FLIES CAPTURED IN 1998-1999		
Scientific Name	Common Name	Months of Detections
CALIFORNIA		
<i>Anastrepha ludens</i>	Mexican Fruit Fly	Apr., June - Oct. 98, June 99, Oct. 99
<i>Anastrepha striata</i>	Mexican-Guava Fruit Fly	May 98
<i>Bactrocera scutellata</i>	Giant Pumpkin	Jan. 99
<i>Bactrocera olea</i>	Olive Fruit Fly	Oct. 98 - Present
<i>Bactrocera latifrons</i>	Malaysian Fruit Fly	Jul. 98
<i>Bactrocera correcta</i>	Asian Guava Fly	Jul., Sept 98 & June 99
<i>Bactrocera cucurbitae</i>	Melon Fruit Fly	Aug. 98 & Apr. 99 June 99
<i>Bactrocera dorsalis</i> <i>prob. philippinensis</i> & <i>papayae</i>	Oriental Fruit Fly	Jul.- Nov. 98 & Jul. 99
<i>Bactrocera zonata</i>	Peach Fruit Fly	Aug. & Nov. 98
<i>Bactrocera facialis</i>	Tongan Fruit Fly	Aug. 98
<i>Ceratitis capitata</i>	Mediterranean Fruit Fly	Jul - Nov. 98
FLORIDA		
<i>Bactrocera correcta</i>	Asian Guava Fly	Aug. 99
<i>Bactrocera dorsalis</i> <i>prob. philippinensis</i>	Oriental Fruit Fly	May, June, July, 99
<i>Ceratitis capitata</i>	Mediterranean Fruit Fly	April - Aug., 98

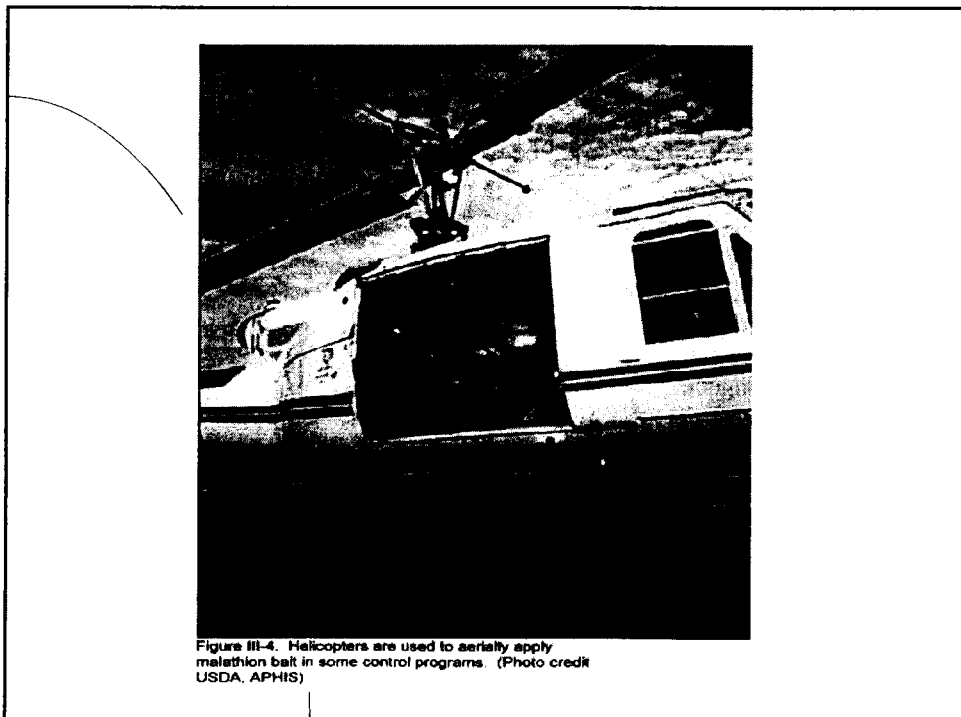
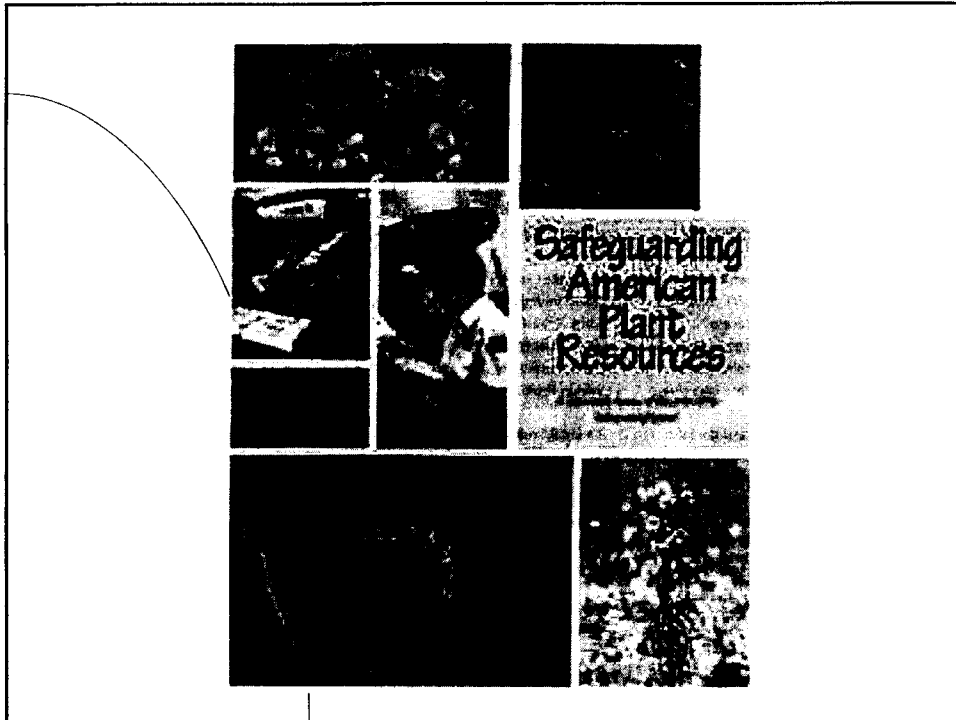


Figure III-4. Helicopters are used to aerially apply methathion bait in some control programs. (Photo credit USDA, APHIS)



Traditional PPQ Activities:

Agricultural Quarantine Inspection - The first line of defense at land border crossings, sea ports, and airports.

- ☒ **Passenger, cargo, and conveyance inspection**
- ☒ **Mail inspection**
- ☒ **X-ray technology**
- ☒ **Beagle brigade**
- ☒ **Enforce Federal Seed Act and Federal Noxious Weed Act**

- ☒ **Cooperation with other federal agencies - endangered species regulations, animal byproduct regulations**

- ☒ **Overseas preclearance of agricultural products**

Systems Approach

A system consisting of a series of safeguards and pest mitigating measures which individually and cumulatively provide a reduction in plant pest risk.

- ☒ Cumulatively, the mitigation measures sufficiently reduce pest risk, providing the appropriate level of protection for the importing country.
- ☒ Provides an alternative to quarantine treatment.

Components can include:

- ☒ pest survey, trapping, or host sampling
- ☒ field treatment
- ☒ cultural practices
- ☒ host resistance
- ☒ post-harvest safeguards
- ☒ limited harvest period
- ☒ limited sales distribution
- ☒ restrictions on maturity of host at harvest

Examples:

- ☒ Florida Citrus (Caribbean fruit fly program)
- ☒ Mexican Avocados
- ☒ Argentine citrus
- ☒ Israeli peppers
- ☒ Moroccan tomatoes

Pest Free Areas

An officially identified area in which a target pest does not occur and is maintained as such.

Components:

- ☒ Surveillance
- ☒ Regulatory exclusion
- ☒ Emergency response
- ☒ Public information

Examples:

- ☒ USA for Karnal bunt
- ☒ Sonora, Mexico, for fruit flies
- ☒ Paraguana, Venezuela, and Masers, Brazil, for melon fruit fly
- ☒ Riverland, Riverina, Sunraysia, Australia, for fruit flies and citrus black spot.

