

The Mutual Benefits of Collaborative IPM Data Sharing Among International Agricultural Trade Partners

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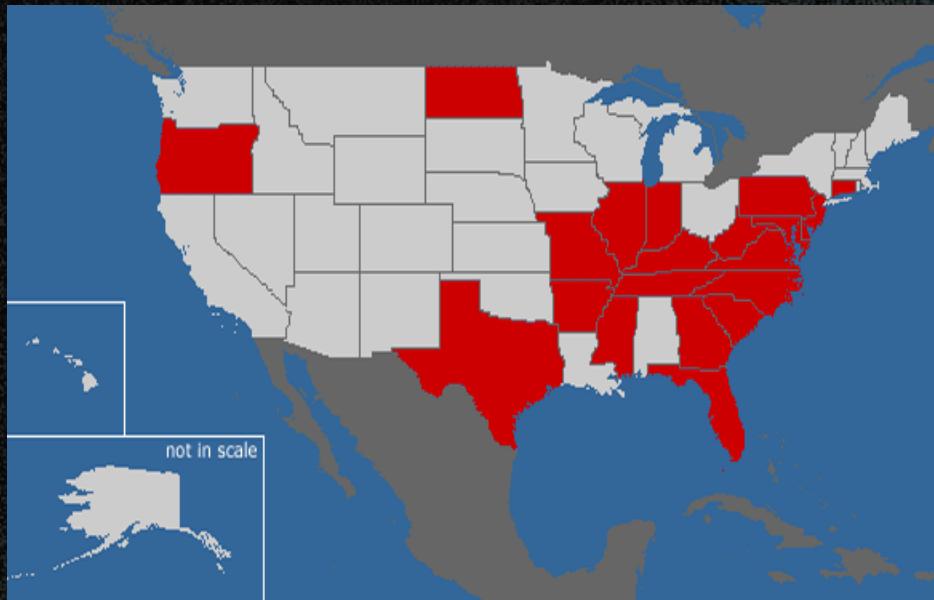
Why Share Information?

On pests of agricultural, natural resources and animal health?

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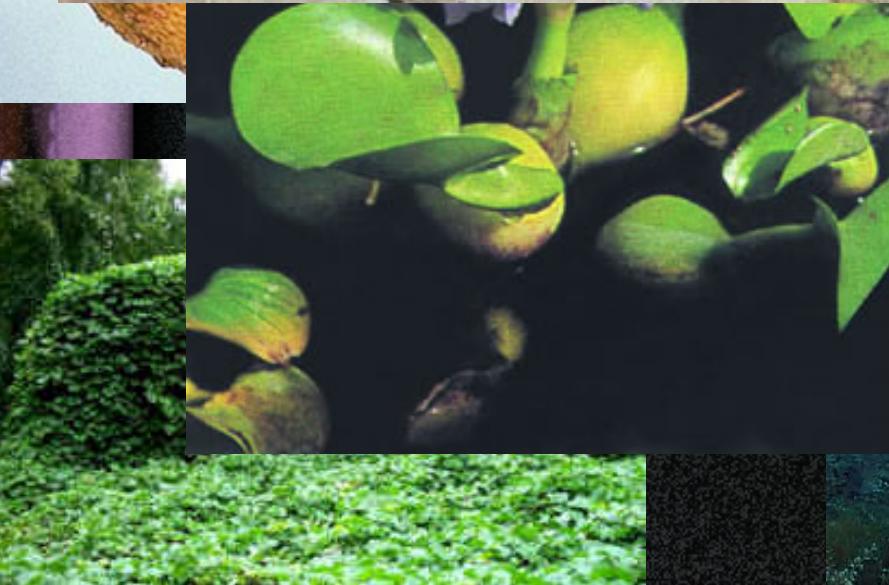
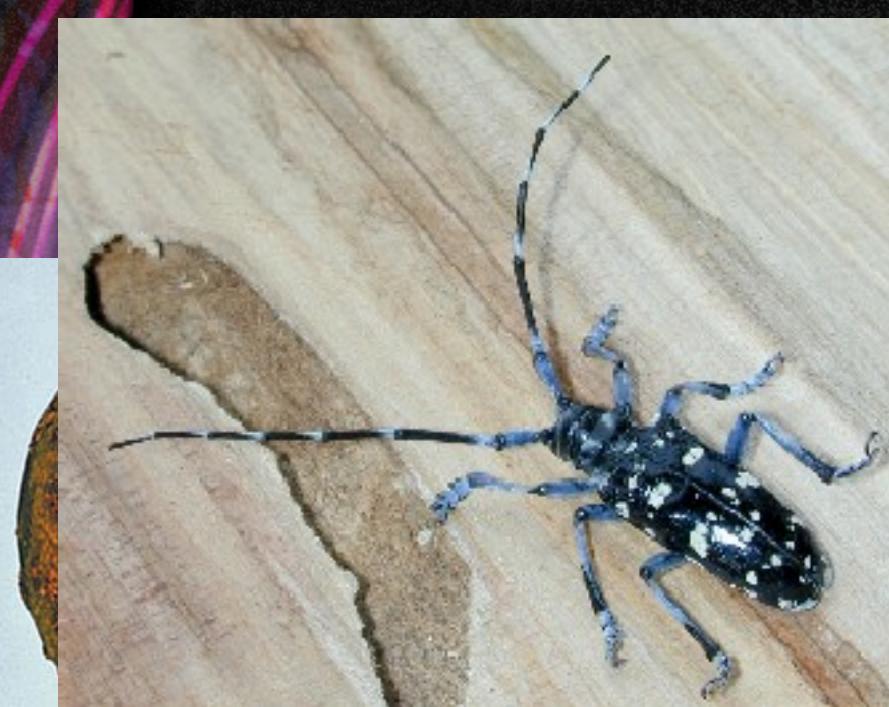
Why Share Information?



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Selected OPIS Target Pests

Plant Diseases

Brown Stripe Downy Mildew

Citrus black spot

Citrus greening (2)

Citrus tristeza virus

Downy mildew of corn (2)

Geminiviruses

Mal secco disease of citrus

Pierce's disease

Potato wart

Rice Bacterial Leaf Streak

Southern bacterial wilt

Sudden oak death

Sweet orange scab

Tospoviruses

Animal Diseases

African horse sickness virus

African swine fever virus

Akabane virus

Classical swine fever virus

Exotic newcastle disease

Foot and mouth disease virus

Hendra virus

Highly pathogenic avian influenza

Japanese encephalitis virus

Malignant catarrhal fever virus

Menagle virus

Nipah virus

Rift Valley fever

Rinderpest virus

Swine vesicular disease virus

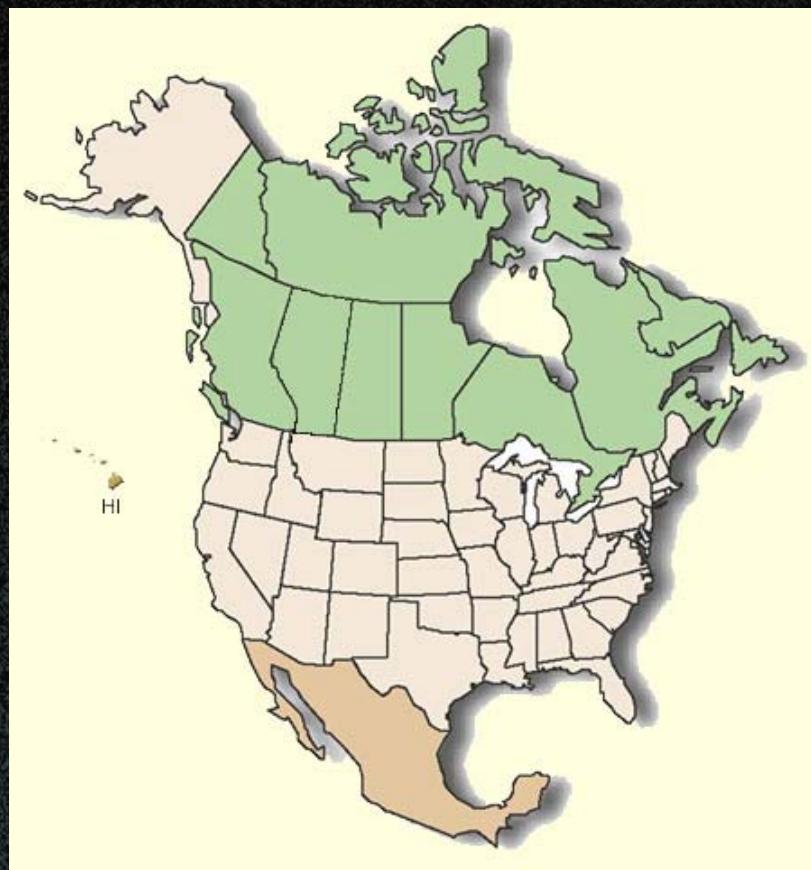
Venezuelan Equine Encephalitis



Why Share Information

- USDA/APHIS has over 8,000 species that it considers “of concern” in port interceptions
- USDA/APHIS Offshore Pest Information System has entered over 1,000 biosecurity reports in less than 2 years
- Current serious concerns with avian influenza, mad cow disease globally

Why Share Information: Global Trade



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Why Share Information?

Information IS NOT Power,
The SHARING of Information IS



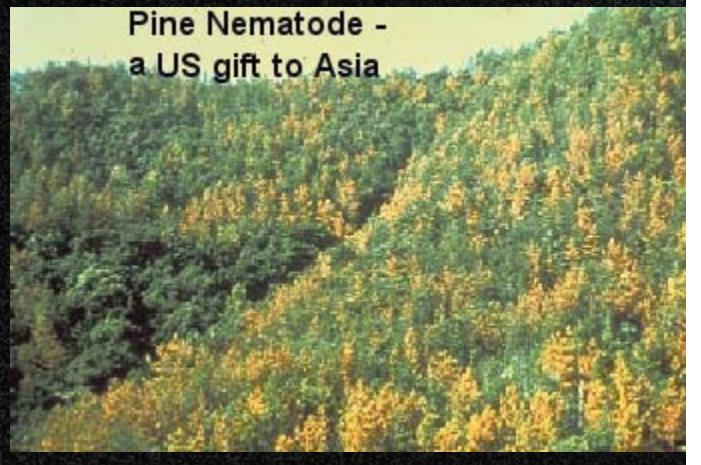


Why Share Information

- Sharing is the law
- Sharing stops pests at home
- Sharing creates trust and partnerships
- Sharing opens other doorways
- Sharing helps at home
- Sharing doesn't mean total openness
- Sharing provides early warnings
- Sharing provides new expertise

Sharing Is The Law

- World Trade Organization's Agreement on the Application of Sanitary and Phytosanitary Measures (SPS)
- IPPC mandates that contracting parties provide information regarding pest status to trading partners





Sharing Stops Pests at Home

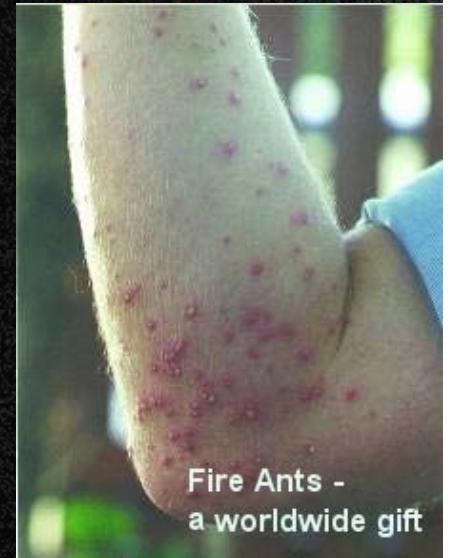
- No country has enough port inspectors
- Once a pest has moved...
- But pre-clearance activities can prevent, and
- Can open trade via mitigation at origin

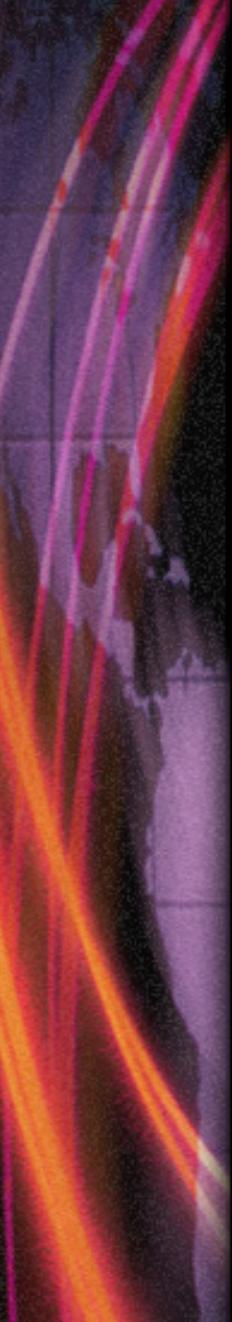


Sharing creates trust and partnerships

Working together, globally or regionally

- Provides safety among trade partners
- Reduces development, maintenance costs of sharing systems
- Allows early warnings against shared potential pests
- Provides for regional planning and management of mobile pests





Sharing opens other doorways

- Cooperation on
 - Targeting invasive spp
 - Environmental Protection
 - Health Issues
 - Endangered species/biodiversity
 - Understanding regional pest dynamics
 - Developing and using new technologies





Sharing helps at home

- Same databases can be the basis for internal management systems
 - soybean rust system in US is now the basis for a planned federal IPM monitoring platform
 - DFI/Senegal database will include pesticide registration, historical crop yields, etc
 - GIS needed for crops at home as well as exports
 - CISWG has developed a proposal for a regional pest reporting system

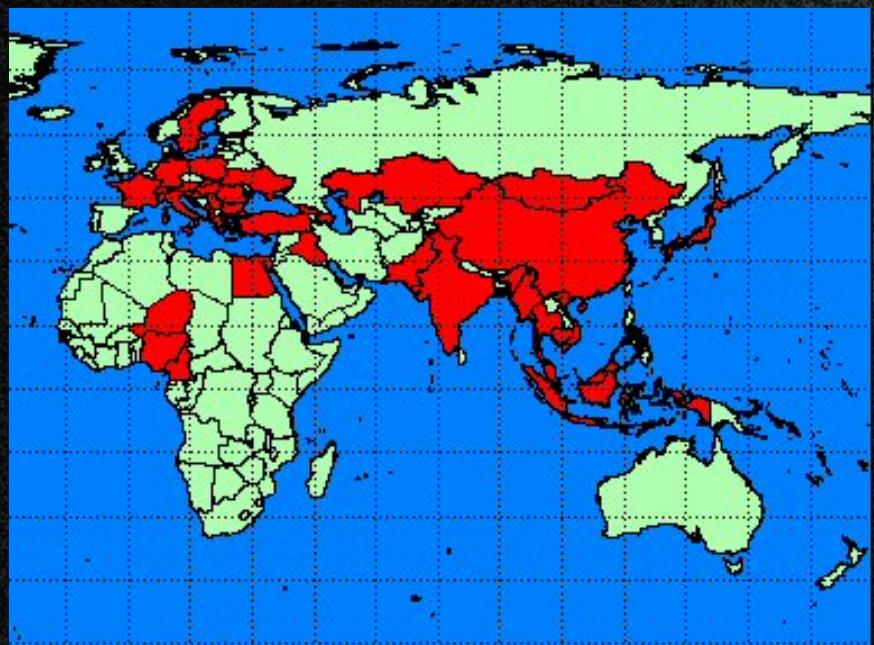
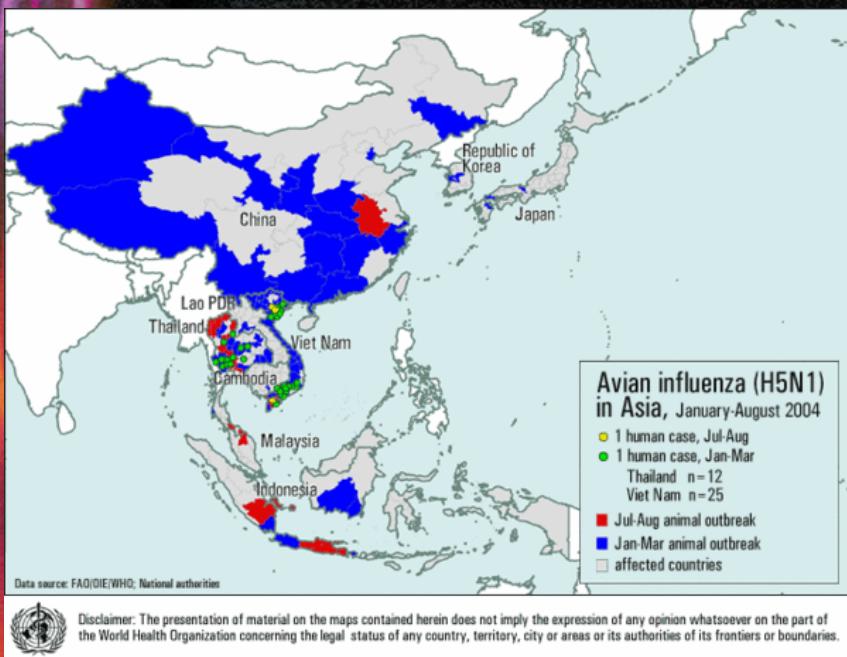


Sharing doesn't mean total openness

- Economic costs: Need to be sure of problem
- Sometimes diplomacy is needed: help establish management plans
- Sometimes sharing regionally is more appropriate (e.g., CISWG)
- Is pest there? Are treatments in place?
- Some data, because of uncertainty or sensitivities may never be shared

Sharing provides early warnings

Avian Flu

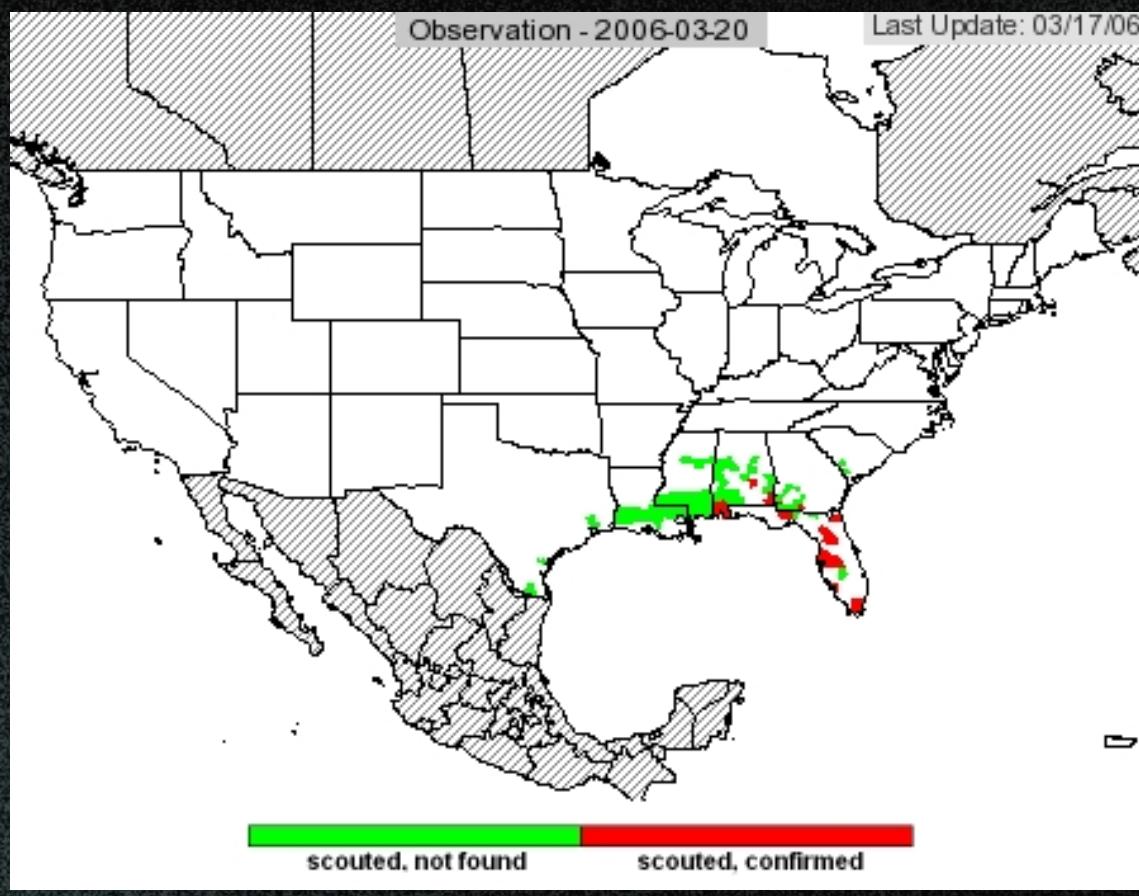


Sharing provides early warnings

Asian Soybean Rust

Mexico to US

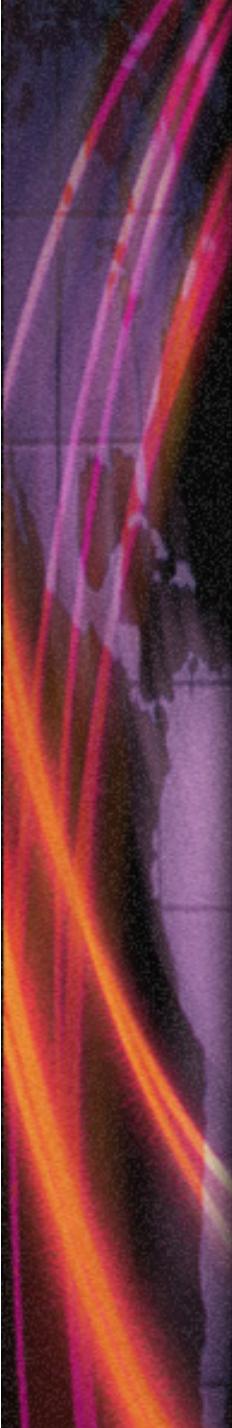
Southern US states to north





Sharing provides new expertise

- In a global community, we share because it is the right thing to do (e.g., CISWG)
- The Digital Freedom Initiative (USAID) has provided expertise in Senegal for the Senegalese government to establish their own pest and commodity online databases
- USDA/APHIS is providing training in PRAs and CRAs, for all partners' benefit
- Other countries have similar programs



Why Share Information?

- Because we can
 - Computer technology
 - Communication technology
 - Standardized software platforms
- Because it can't be stopped
 - Email
 - Web Services
 - Aggregated News Feeds
 - Blogs
 - Instant Messaging
 - Search Engines