

The Role of ICLN, NPDN, RIPM and PIPE in NPDRS

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Cooperative State Research, Education, and Extension Service http://www.csrees.usda.gov



Homeland Security Presidential Directive - 9

- ...develop robust comprehensive, and fully coordinated surveillance and monitoring systems, ...for plant diseases...
- ...provides early detection and awareness of disease, pest or poison...
- ...establishes nationwide laboratory networks for food, veterinary, plant health, and water quality that integrate existing Federal and State laboratory resources, are interconnected, and utilize standardized diagnostic protocols and procedures...



An Update on the Alphabet Soup

- ICLN = Integrated Consortium of Laboratory Networks
- NPDN = National Plant Diagnostic Network
- RIPM = Regional IPM Centers
- PIPE = Pest Information Platform for Education and Extension

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ICLN History

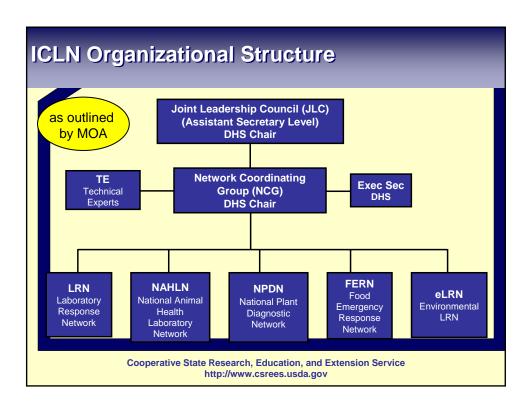
omeland Security Council involvement began in November 2004

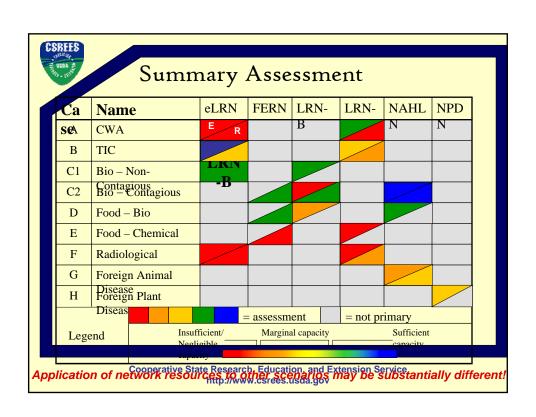
> Gathered agencies involved, endorsed independent networks involvement, and recognized the benefits gained from creating a collaborative alliance.

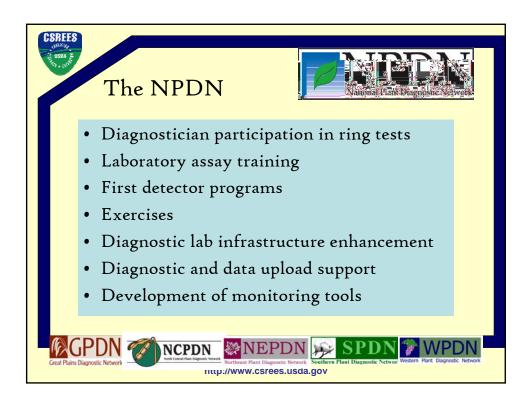
Vision: A U.S. homeland security infrastructure with a coordinated and operational system of laboratory networks that provide timely, high quality, and interpretable results for early detection and effective consequence management of acts of terrorism and other events requiring an integrated laboratory response.

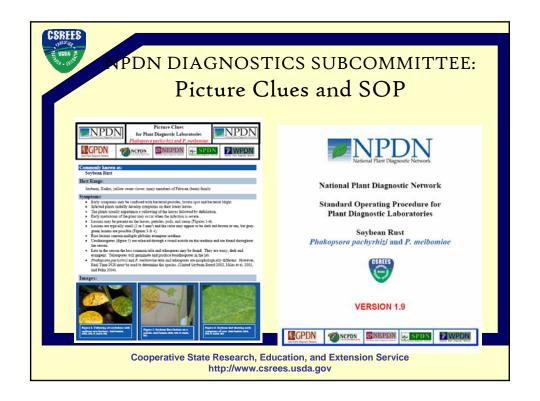
ICLN was established by a Memorandum of Agreement among ten Federal Departments/Agencies in June 2005.

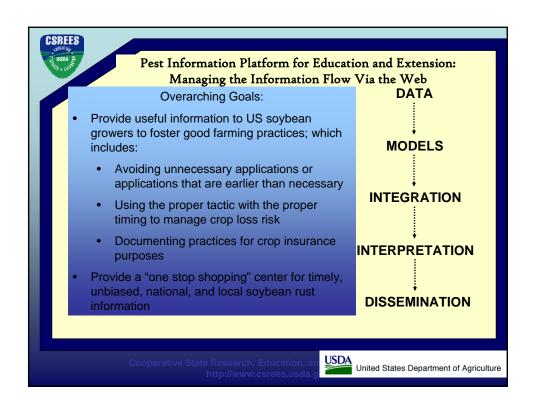
Agriculture, Commerce, Defense, Energy (Pending), Health and Human Services, Homeland Security, Interior, Justice, State, Environmental Protection Agency

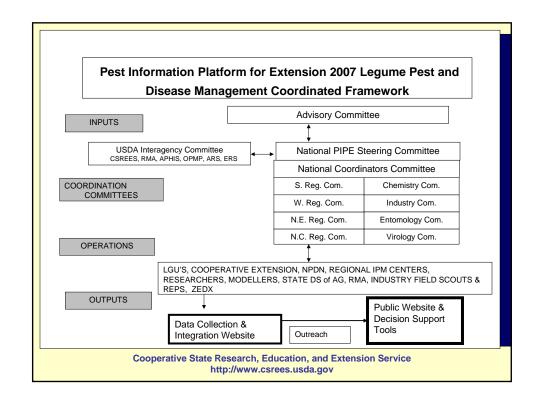


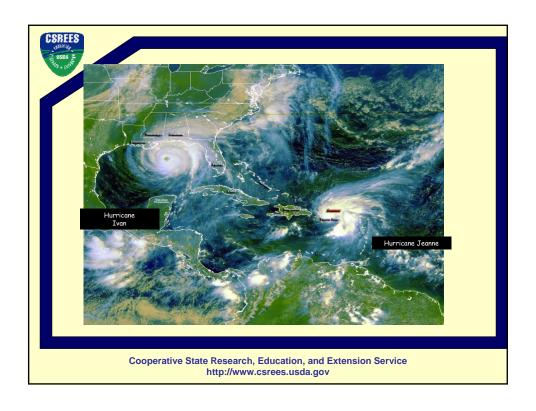




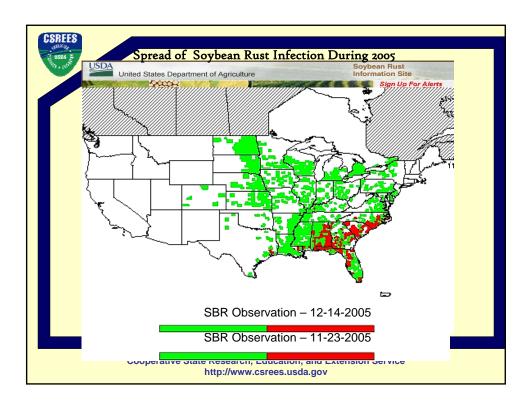














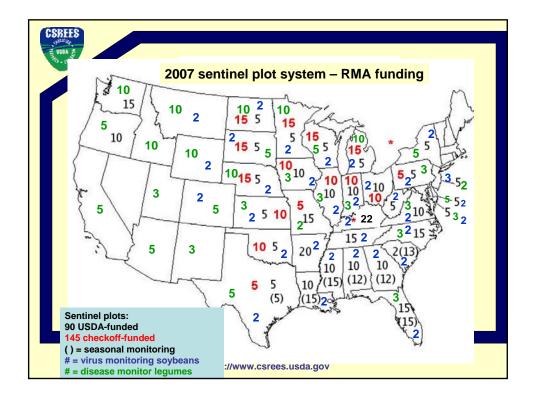
Kegional IPM Centers

- Established in 2000 to respond to pest management challenges with coordinated regional and national efforts
 - Provide regional infrastructure
 - Focal point for regional team-building efforts, communication networks, and stakeholder participation
- Four regions
 - North Central, Northeastern, Southern, Western
- Funding from Center grant ~ \$1 million per region annually
 - Competitively awarded every four years (next in FY 2007)



Potential expansion for PIPE tools

- Call for Concept Notes
 - Legume viruses and other pest/disease complexes
 - Sweet Corn lepidoptera
 - Barley head blight
- Other possible uses
 - Citrus diseases
 - Wheat stem rust and stripe rust
 - Any introduced or migratory pest including arthropods
 - Mapping function could be used for invasive and weedy species, as well.





Where the programs fit into any recovery plan

• Detection: NPDN, PIPE

Diagnosis: NPDN as a part of NPPLAP

• Forensic attribution: APHIS/FBI

• Monitoring: NPDN, RIPM, PIPE

 Mitigation, Control, & Recovery: RIPM/ PIPE

• National Integration: ICLN