

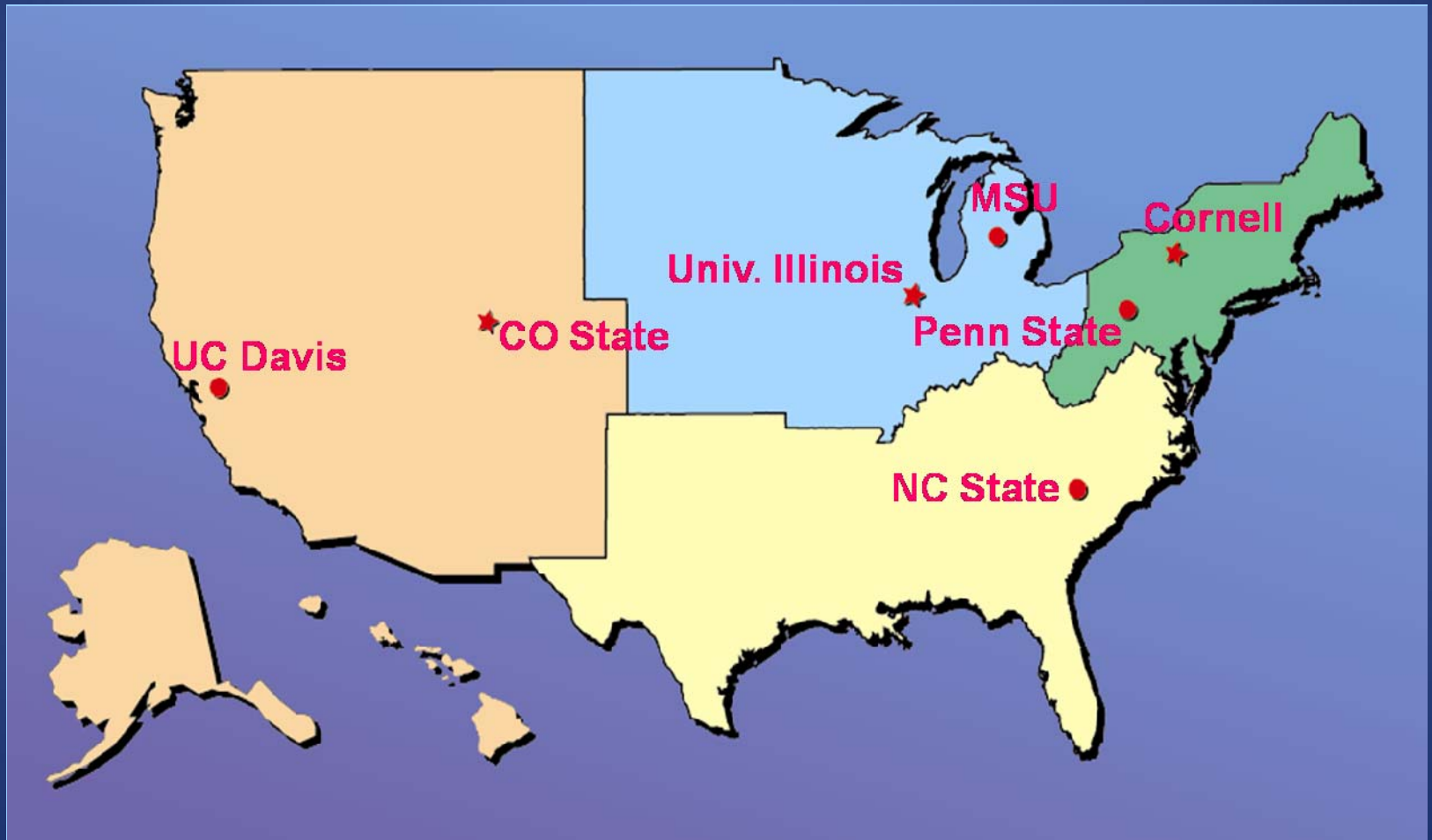


# IPM Centers – NPDN Partnerships

John Ayers

Penn State University  
co-Director Northeastern IPM  
Center

# IPM Center Locations





# Center Leadership

- Southern
  - Jim VanKirk, Director
  - Ron Stinner, Assoc. Director
  - Steve Toth, Assoc. Director
- North Central
  - Larry Olsen, co-Director
  - Mike Gray, co-Director
  - Sue Ratcliffe, co-Director
  - Lynnae Jess, Assist. Director
- Western
  - Rick Melnicoe, Director
  - Linda Herbst, Assoc. Director
- Northeastern
  - Carrie Koplinka-Loehr, co-Director
  - John Ayers, co-Director



# Southern IPM Center

- Workshop for Extension specialists in preparation for SBR in Spring 2004; sponsored by SRIPMC; organized and facilitated by SPDN
- Sponsored Carrie Harmon on the Brazil SBR tour in 2005
- Helped sponsor workshop on SBR scouting and management (Tadashi Yorinori)



# Southern IPM Center

- Carrie Harmon is chair of Advisory Council
- Amanda Hodges: key leader in coordinating soybean aphid content of IPM PIPE
- Amanda & Sue Ratcliffe (NCIPMC): key leaders of Pink Hibiscus Mealybug critical issues project
  - Amanda – training
  - Sue – developed educational materials



# Western IPM Center

- Rick Melnicoe; been on the WPDN Advisory Committee from its inception
- Co-sponsored a first responder workshop in the West
- Supported travel of Pacific Islanders to the WPDN Homopteran Identification Workshop in Hawaii
- Support the PNW Weather Workgroup which contains members of WPDN



# North Central IPM Center

- Sue Ratcliffe co-organized/moderated a symposium @ 2005 ESA National Meeting; “The National Plant Diagnostic Network and Regional IPM Centers: Differences and Collaborative Efforts”
- Sue: co-organized & presented in a symposium @ 2006 ESA National Meeting, “Building Bridges to Address Pest Management Issues”



# North Central IPM Center

- Sue: lead person for the National/Regional Pest Alerts
- Sue: contributing to the soybean aphid and legumes components of the IPM PIPE
- Sponsored diagnostician (Nancy Taylor) on SBR tour to Brazil in 2005



# Northeastern IPM Center

- George Hudler (previously Rose Loria) on the Center's Advisory Council
- Sponsored two Extension specialists to the SBR workshop in Spring 2004
- John Ayers has served on the NPDPN Operations Committee since it was formed



# Pest Alerts

- Brown Marmorated Stink Bug
- Cycad Aulacaspis Scale
- Lobate Lac Scale
- Multicolored Asian Ladybeetle
- Pink Hibiscus Mealybug
- *Ralstonia solanacearum*
- Soybean Aphid



## Regional Pest Alert

### Brown Marmorated Stink Bug

The brown marmorated stink bug (BMSB), *Halyomorpha halys* (Hemiptera: Coreidae), is a highly mobile pest that has been reported in all 50 states and the District of Columbia. The BMSB was first reported in the United States in 1979. This pest causes economic damage to crops and ornamentals, as well as to trees and shrubs. The BMSB is a highly mobile pest that has been reported in all 50 states and the District of Columbia. The BMSB was first reported in the United States in 1979. This pest causes economic damage to crops and ornamentals, as well as to trees and shrubs.

#### Signs of BMSB

BMSB is a pest of many crops and ornamentals. It causes damage to crops and ornamentals by feeding on them. The BMSB is a highly mobile pest that has been reported in all 50 states and the District of Columbia. The BMSB was first reported in the United States in 1979. This pest causes economic damage to crops and ornamentals, as well as to trees and shrubs.

#### BMSB Biology

BMSB is a pest of many crops and ornamentals. It causes damage to crops and ornamentals by feeding on them. The BMSB is a highly mobile pest that has been reported in all 50 states and the District of Columbia. The BMSB was first reported in the United States in 1979. This pest causes economic damage to crops and ornamentals, as well as to trees and shrubs.



#### Potential Impact and Spread

BMSB is a pest of many crops and ornamentals. It causes damage to crops and ornamentals by feeding on them. The BMSB is a highly mobile pest that has been reported in all 50 states and the District of Columbia. The BMSB was first reported in the United States in 1979. This pest causes economic damage to crops and ornamentals, as well as to trees and shrubs.





# Pest Alerts

- Soybean Rust
- Sudden Oak Death
- Tospoviruses
- West Nile Virus
- Wood Boring Insects
- Bed Bugs (in progress)

A poster titled "National Pest Alert" for Soybean Rust. The poster includes a photograph of a soybean field with rust lesions, a close-up of a rusted leaf, and a map of the United States showing the distribution of the disease. The text on the poster provides information about the disease, its symptoms, and management strategies. The poster is published by the National IPM Center and the USDA.

*Regional*  
**IPM**  
**Centers**

[www.ipmcenters.org](http://www.ipmcenters.org)

