



The NCPDN: Overview and Accomplishments

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NCPDN Overview

- > All eight states are trained and equipped for videoconferencing use
- > All eight states are equipped with at least one web enabled camera mounted on a microscope
- > A hands-on PCR workshop designed to train diagnosticians in the use of PCR for molecular diagnosis
- > Many new updates to the regional website (www.ncpdn.org)
- > Over 23,000 diagnoses have been uploaded to the National Data Repository via the Plant Diagnostic Information System (www.pdis.org)
- > Purdue and Michigan State Universities are authorized by APHIS PPQ to perform PCR testing for *Phytophthora ramorum*
- > Over 3,000 individuals have received training in either First Detector, First Detector Educator, or First Detector expanded awareness
- > Specialist from Plant Pathology, Entomology, Nematology, and Weed Science

Michigan

Jan Byrne, Steve Gower, Howard Russell, and Fred Warner

- > PDIS trained diagnosticians
- > Compiled Soybean rust and *P. ramorum* data from regional labs
- > Established regional list serve for diagnosticians
- > Authorized by APHIS PPQ to perform *P. ramorum* testing
- > 14 MSU extension agents trained as First Detector Educators
- > 92 participants from the Michigan Agribusiness Association trained as First Detectors
- > Provided First Detector training advice and problem solving to diagnosticians in OH, MN, IN, MO, and to MSU extension agents
- > Developed molecular diagnostic methods using PCR for pathogens that are significant to Michigan agriculture
- > Conducted special training sessions for new diagnosticians in the region
- > Coordinated setup, sampling, diagnostics, and data upload for 20 Soybean Rust sentinel plots

Minnesota

Amy Holm

- > PDIS trained diagnosticians
- > 120 individuals trained as First Detectors
- > PCR-trained diagnosticians
- > Increased public awareness of plant diseases
- > Increased awareness of NCPDN to agricultural professionals

Indiana

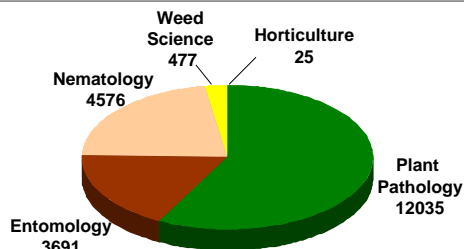
Gail Ruhl and Karen Rane

- > PDIS trained diagnosticians
- > Over 1500 landscape industry professionals trained in Ramorum blight detection
- > Increased awareness of the mission of NCPDN to agricultural professionals
- > 50 individuals trained as First Detector Educators
- > Over 1400 individuals trained as First Detectors and expanded awareness Soybean Rust training
- > Authorized by APHIS PPQ to perform conventional *P. ramorum* testing
- > Coordinated data upload to PDIS from IN Soybean Rust sentinel plots
- > Equipped and trained in PCR-based diagnosis

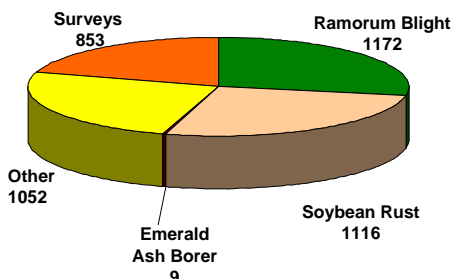
Wisconsin

Brian Hudleson and Phil Pellitteri

- > PDIS trained diagnosticians
- > Sponsored /maintained a toll-free Soybean Rust hotline
- > Increased public awareness of plant diseases
- > Increased awareness of NCPDN to agricultural professionals and public



Total diagnostic samples processed in 2006 by NCPDN diagnostic laboratories



Total pests/pathogens of interest processed in 2006 by NCPDN diagnostic laboratories



2005 North Central Regional PCR Workshop: Michigan State University



2006 North central regional meeting: University of Wisconsin



Illinois

Nancy Pataky

- > PDIS trained diagnosticians
- > Processed and data upload for 39 Soybean Rust monitoring plots
- > Trained in processing Ramorum blight samples
- > PCR-trained diagnosticians
- > 39 individuals trained as First Detector Educators
- > 153 Master Gardeners trained as First Detectors



Iowa

Paula Flynn and Christine Engelbrecht

- > PDIS trained diagnosticians
- > Increased staff to respond to plant health inquiries
- > Increased education to approximately 20,000 growers and agricultural professionals
- > Video conferencing used in Asian Soybean Rust diagnostic training
- > 625 individuals trained as First Responders for Soybean Rust



Ohio

Nancy Taylor and Barbara Bloetscher

- > PDIS trained diagnosticians
- > Development of "Virtual Laboratories" for Soybean Rust and Sudden Oak Death
- > 50 individuals trained as First Detector Educators
- > National training on pink hibiscus mealybug was offered in 3 locations throughout Ohio
- > One trained diagnostician in USDA Soybean Rust molecular detection



Missouri

Simeon Wright

- > PDIS trained diagnosticians
- > Increased awareness of NCPDN to agricultural professionals
- > Increased education of the diseases diagnosed by the Plant Diagnostic Clinic
- > Increased staff to improve diagnostic response time
- > Equipped and trained in PCR-based diagnosis for Soybean Rust
- > Regional agronomy specialists trained as First Responders



NCPDN
North Central Plant Diagnostic Network