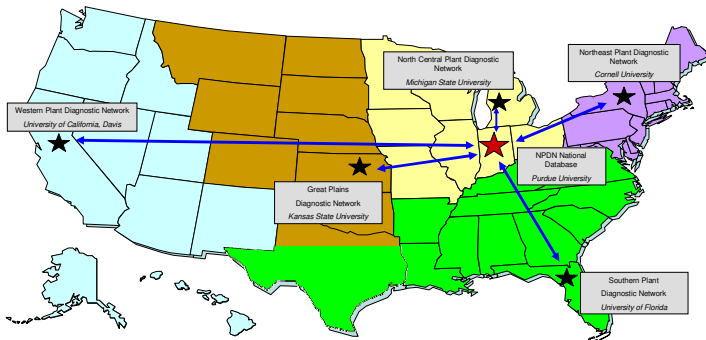


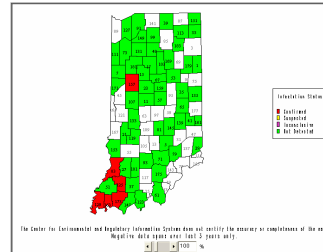
## Five Regional Databases and One National Database

The 5 regions have developed a database system in cooperation with each of its member states. A smooth and secure interface has been developed to transfer data to the NPDN database to provide a national perspective.



## Summary Maps and Reports

Reports and accompanying maps can be generated to visually represent the distribution of pests over any selected geographic area.



Soybean Rust Report - NPDN Data

Year	Confirmed	Suspected	Incidence Not Detected	Total
2005	8	0	0	8
2006	4	0	0	4
<b>Report Total</b>	<b>12</b>	<b>0</b>	<b>0</b>	<b>12</b>

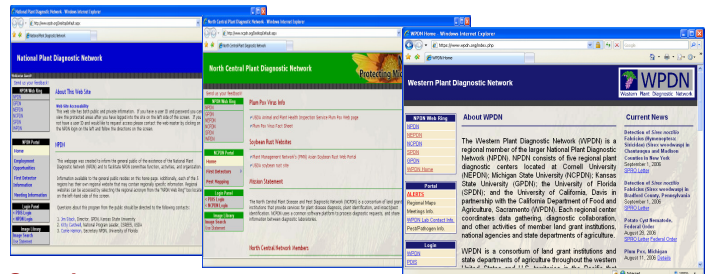
  

NPDN Regional Report

Region	Confirmed	Suspected	Incidence Not Detected	Total
GPDR	1018	1005	1006	3029
GNDR	1819	1658	1656	5133
NCNDR	625	1848	2755	4928
NEPNDR	82	1122	12383	13587
SPNDR	2376	15566	15843	33785
WPDN	2366	1629	1661	4656
<b>Report Total</b>	<b>14586</b>	<b>16742</b>	<b>16749</b>	<b>38077</b>

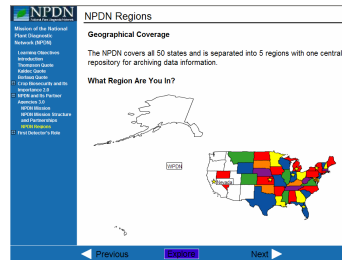
## Web Based Portal System for NPDN Communications

Authorized users are able to post information and documents to appropriate audiences through the web portal.



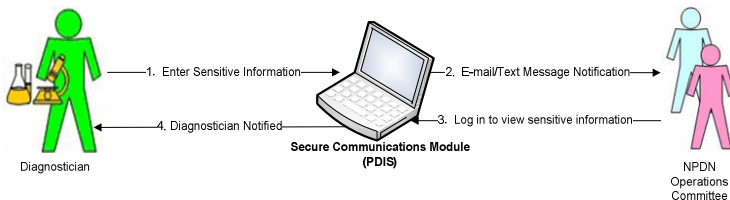
## Crop Bio-security Curriculum Project

The CBC project provides interactive on-line training for first detectors. A content management system is used to create and manage all training materials. A learning management system is used to keep track of students, administer assessment tests, and record and report results.



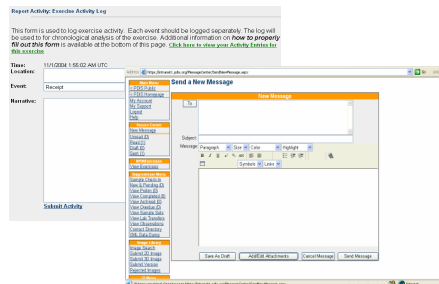
## Secure Communications

The Secure Communications Module allows for communication within the system between users and provides all of the functionality of e-mail with the addition of encryption, security, tracking, secure archiving and increased size capability.



## Exercise Scenarios

The Exercise Scenario Committee was formed out of a need to rehearse a protocol which would be used following the detection of a suspected high risk pest and to aid in the understanding of the roles and responsibilities of all participants.



## Security

A security assessment along with training has taken place to address the security needs of the NPDN project.

**Information Security Risk Management Methodology**

Keith Watson and Matt Rose

PURDUE

Center for Education and Research in Information Assurance and Security, Purdue University

NPDN Technical Training Session, Summer 2005

**Security Tools for Operating Systems & Networks**

Keith Watson and Matt Rose

PURDUE

Center for Education and Research in Information Assurance and Security, Purdue University

NPDN Technical Training Session, Summer 2005

## Epidemiology Developments

Distribution data from NPDN database overlaid on top of degree days. Below is an example of 2006 soybean rust data with a 50° threshold.

