

About the National Agricultural Pest Information System Database

Purpose

The purpose of the National Agricultural Pest Information System (NAPIS) is to facilitate data management coordination for the plant pest survey data gathered on a national, regional, and/or state scale as part of the Cooperative Agricultural Pest Survey (CAPS) program sponsored by USDA/APHIS/PPQ. NAPIS provides the capabilities for entering, storing, processing, summarizing, managing, retrieving, graphing, and distributing plant pest survey data to the participants of the CAPS program and to other interested parties.

Content

NAPIS currently houses 1.3 million records on more than 3800 different organisms covering such diverse areas as insects, pathogens, weeds, and biological control organisms. NAPIS contains data that describes the results of a wide range of plant pest surveys and observations conducted throughout the United States. Emphasis is given to surveys for exotic pests, pests that may impact export of U.S. agricultural products, and PPQ program pests and biological control agents. NAPIS contains data sets that are formally specified and that are communicated via specialized reports. However, NAPIS also includes generalized data collected in different ways and entered under less stringent guidelines. This information may come to NAPIS, for example, from trapping programs, coordinated field inspections, and diagnostic lab identifications. Therefore the background of a NAPIS data set must be understood before useful reliable data analysis can take place.

Access

Access to NAPIS has been provided to the State Land Grant Universities, the State Departments of Agriculture, and the PPQ headquarters in each state and Puerto Rico. Other USDA agencies also have access to NAPIS. CAPS members and other users may access NAPIS via direct dial telephone service or Internet.

Reports

NAPIS has replaced the hardcopy publications which formerly reported survey results. Thus the Cooperative Plant Pest Report, the Cooperative Economic Insect Report, and the Plant Disease Report are no longer published by USDA. Data which had previously been reported in these publications can be entered and retrieved from NAPIS. NAPIS provides output via coded or plain-language downloads, a series of structured reports, or direct mapping of data. Specialized reports can be created for projects or other needs.

Geographic Data

All NAPIS data is referenced to a state and county and each record may have point-location referencing. NAPIS data downloads can be used with standard geographic information systems (GIS) software to create maps and analytical reports. CAPS members are welcome to use NAPIS for the management of any nonvertebrate plant pest data of interest to their own and/or other states. Individual records, summary

records, presence/absence data, or quantified data may be entered.

Data Entry and Review

Normally, the CAPS State Survey Coordinator provides the data entry point for NAPIS and shares responsibility for data quality control with surveyors and PPQ program managers. When a CAPS Cooperative agreement is not in effect in a state, PPQ or its data management center enters data to NAPIS for that state.

PPQ reserves final editorial rights to all data in NAPIS. However, PPQ will only add or remove data from NAPIS as a final dispute resolution with a State that contests data veracity.

Contacts

For more information on NAPIS, contact:

Coanne O'Hern

National Survey Coordinator

USDA/APHIS/PPQ

4700 River Rd., Unit 134

Riverdale, MD 20737-1236

Phone: 301-734-8717

FAX: 301-734-8584

E-mail: coanne.e.o'hern [at] aphis [dot] usda [dot] gov

For information on how to access and use NAPIS, contact:

Jim Pheasant

NAPIS Hotline, User Services

Center for Environmental and Regulatory Information Systems 1234 Cumberland Ave., Suite A West Lafayette IN 47906-1317 Phone: 765-494-9853

FAX: 765-494-9727

E-mail: pheasant [at] purdue [dot] edu