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Science and Technology

Last Modified:

Plant Protection and Quarantine (PPQ) Science and Technology (S&T) provides scientific and analytical support for PPQ regulatory decisions and program operations.

S&T is responsible for ensuring that PPQ has the information, tools, and technology to make the most scientifically valid regulatory and policy decisions possible. S&T also supports PPQ program operations by providing practical tools for plant pest exclusion, detection, and management. Currently, PPQ S&T comprises approximately 230 scientists, analysts, and support staff at 7 principal laboratories and additional satellite locations. The Office of the Executive Director is headquartered on North Carolina State University's Centennial Campus in Raleigh, NC.

[Organizational Structure](#)

[\(PDF, 531.15 KB\)](#)

[View the organizational structure of PPQ's Science and Technology unit.](#)

[Laboratories and Programs](#)

[This page offers a list of laboratories and programs where scientists evaluate risks associated with the introduction of plant pests and develop methods to exclude, detect, and manage invasive plant pests and weeds.](#)

[PPQ S&T Summary](#)

[\(PDF, 218.91 KB\)](#)

[This document describes the work of Science and Technology's major laboratories and programs.](#)

[National Clean Plant Network](#)

[The National Clean Plant Network \(NCPN\) protects healthy U.S. agriculture by providing "clean" plant propagative material free of targeted pathogens and pests. Learn about NCPN funding opportunities.](#)

Project Areas

Trade Issues and Risk Analysis: Assessing the potential impact of new invasive plant pests to U.S. agriculture and the pest risks associated with imported plant products.

Treatment Technology: Developing new treatment methods for plant products to prevent movement of invasive pests through international trade.

Pest Detection: Developing tools and techniques to improve early detection of exotic pests in surveillance programs.

Identification and Diagnostics: Developing and validating new technologies to identify exotic pests and accrediting external laboratories to perform diagnostics for high consequence pests.

Arthropod Pests: Developing methods to manage invasive arthropods.

Plant Diseases: Developing methods to manage invasive plant diseases.

Biological Control: Developing technologies that allow natural enemies to effectively mitigate the impacts of invasive arthropods, weeds, and plant pathogens.

Contact Us

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