



Pest Management Solutions for Specialty Crops and Specialty Uses

IR-4 Project Overview

Specialty crops include many of the fruits and vegetables recommended for a healthy diet, as well as the flowers, trees and shrubs that enhance our environment. Consumers demand high-quality food and plants, which makes managing the insects and diseases that damage these crops essential.

The IR-4 Project was established in 1963 by the U.S. Department of Agriculture to ensure that specialty crop farmers have legal access to safe and effective crop protection products.

How IR-4 Can Help Specialty Crop Growers

The crop protection industry focuses its product development efforts on large acreage, major row crops such as corn and soybeans. Growers of specialty crops are often left with fewer tools for effectively managing pests. That's where the IR-4 Project can help.

IR-4 works directly with crop growers, registrants of crop protection products, and other members of the specialty crop community to develop data required by the U.S. Environmental Protection Agency for the registration of pest management tools. Without IR-4's work, there would be an increased risk of crop losses from pest damage, resulting in higher costs and decreased availability for consumers.

IR-4 also supports the international harmonization of pesticide residue standards. This enables U.S. specialty crop growers to have access to international markets where American-grown fruits and vegetables are in demand and considered the highest quality.

Where are we located?

IR-4 research takes place at many land grant universities and USDA-Agriculture Research Service facilities across the country. Headquartered at NC State University, IR-4 has regional facilities at the University of Florida, University of Maryland Eastern Shore, Michigan State University and the University of California - Davis. There are also liaisons in every state working with local growers to identify safe and effective solutions for pest management.

To learn more, visit www.ir4project.org.

IR-4 Project By the Numbers

- **75,000+** registrations of chemical and biopesticides since 1963
- **111,470** jobs supported with a total annual payroll of **\$5.34 billion***
- **\$8.97 billion** annual contribution to GDP*

** According to a 2021 report conducted by Michigan State University*



Contact the IR-4 Project

IR-4 Project Headquarters

Mailing Address:

IR-4 Project Headquarters
NC State University
1730 Varsity Drive, Venture IV
Suite 210
Raleigh, NC 27606

Contact Us:

Phone: 919-515-1552
Email: ir-4_project@ncsu.edu
Website: www.ir4project.org

NC STATE

IR-4 Project Leadership

Executive Director

Dr. Jerry Baron
(908) 627-4213
(919) 515-3166
jjbaron@ncsu.edu

Associate Director and Chief Regulatory Officer

Dr. Debbie Carpenter
(919) 515-1162
dcarpen3@ncsu.edu

Assistant Director for Research Planning and Product Performance

Dr. Venkat Pedibhotla
(919) 515-3020
vkpedibh@ncsu.edu

Manager, National Quality Assurance Unit

Dr. Johanna Mazlo
(919) 515-3066
jmazlo@ncsu.edu

Manager, Biopesticide Regulatory Support Program

Dr. Michael Braverman
mbrave@njaes.rutgers.edu

Manager, Environmental Horticulture Program

Dr. Cristi Palmer
clpalmer@njaes.rutgers.edu

IR-4 Regional Contacts

North Central Region

Nicole Soldan
Interim Regional Field Coordinator
Michigan State University
3815 Technology Boulevard
Lansing, MI 48910
(517) 712-8441
schroe65@msu.edu

Northeast Region

Marylee Ross
Regional Field Coordinator
University of Maryland Eastern
Shore
27664 Nanticoke Road
Salisbury, MD 21801
(410) 742-8788 ext. 310
(410) 742-1922 (Fax)
mross@umd.edu

Southern Region

Dr. Janine Spies
Regional Field Coordinator
University of Florida
P.O. Box 110720
1642 SW 23rd Dr. Bldg 685
Gainesville, FL 32611-0720
(352) 294-3991
jrazze@ufl.edu

Regional Contacts continued

Western Region

Dr. Michael Horak
Regional Field Coordinator
University of California Davis
One Shields Avenue
Meyer Hall Room 4218
Davis, CA 95616
(530) 752-7634
mjhorak@ucdavis.edu

USDA-ARS

Dr. Alvin Simmons
Regional Field Coordinator
U.S. Vegetable Laboratory
2700 Savannah Highway
Charleston, SC 29414
Phone: (843) 402-5307
alvin.simmons@ars.usda.gov

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