

Plant and Insect Diagnostic Clinic

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2007 Annual Report

2007 Contacts

1154	Phone calls
2049	E-mails
1521	Plant and insect samples
557	Soil samples
5281	Total Contacts

The ISU Plant and Insect Diagnostic Clinic is a collaboration between the Departments of Plant Pathology, Entomology, Horticulture and Agronomy. The newly-integrated Clinic is a one-stop shop where Extension personnel, agricultural, horticultural and pest management professionals, and the general public can find answers to their plant health, weed, and insect questions. Responses focus on accurate diagnosis of plant and insect problems and educating clients in ecologically sound plant and pest management practices. The Plant and Insect Diagnostic Clinic is known for its commitment to stakeholder needs for timely and accurate responses.

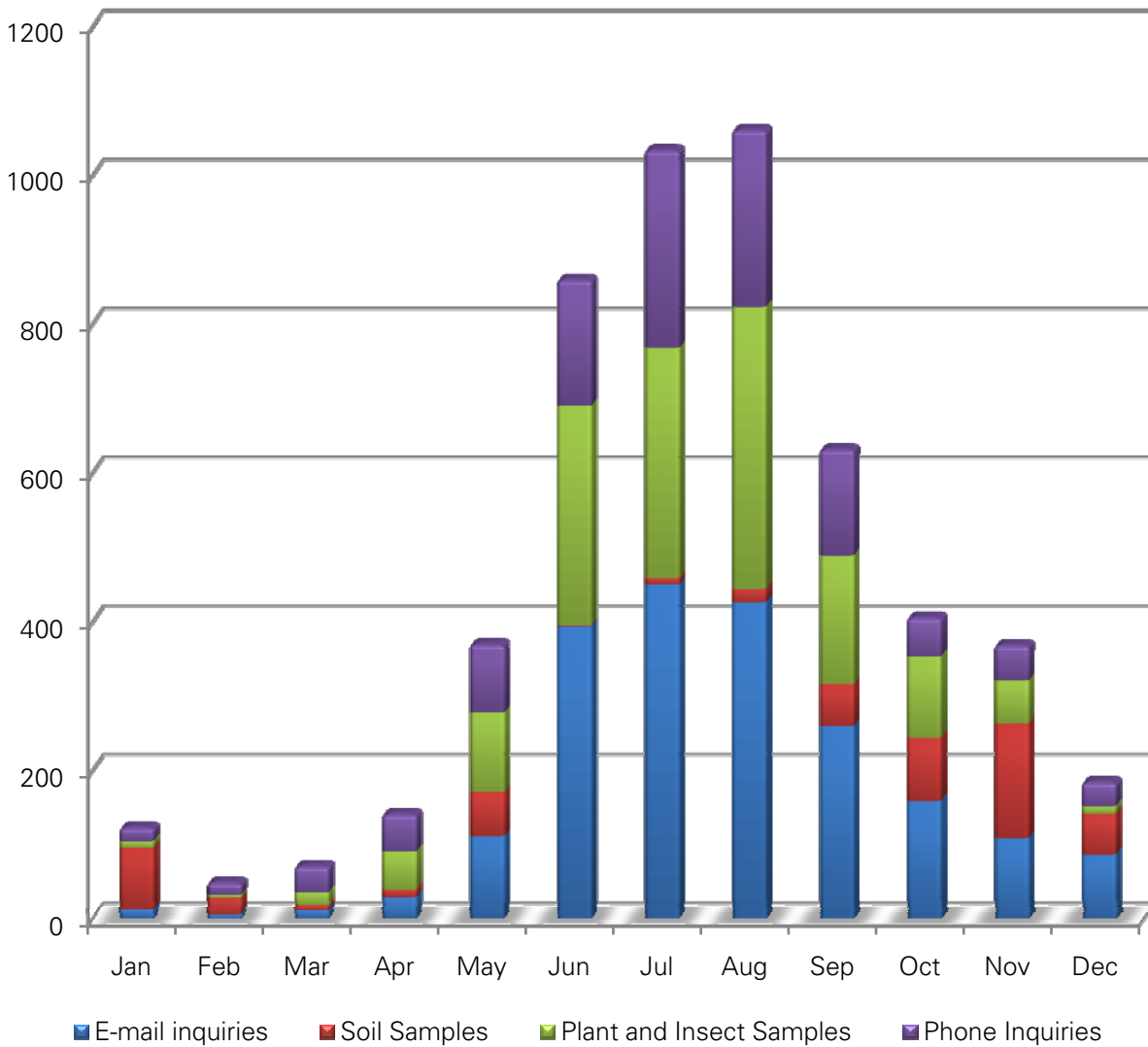
The ISU Plant and Insect Diagnostic Clinic is a member of the National Plant Diagnostic Network and collaborates with state and federal officials to identify and respond to emerging pests and plant diseases of ecological and economic significance. The Clinic plays an integral role in diagnosing pests and diseases of economic or regulatory significance, such as soybean rust, emerald ash borer, and sudden oak death, as well as educating the public about these threats.

An important function of the Clinic is to keep growers, professionals, and extension personnel informed on current and potential plant health and insect issues through timely newsletter articles, radio interviews, and invited talks throughout the state. Clinic staff contribute to several university courses and many Extension programs, including Master Gardeners, Shade Tree Short Course, Iowa Turfgrass Institute, Community Tree Steward, Pesticide Applicator Training, 4-H, and various field days and other community programs.



Dr. Christine Engelbrecht, plant pathologist, and Dr. Laura Jesse, entomologist, manage the Plant and Insect Diagnostic Clinic.

2007 Clinic Contacts

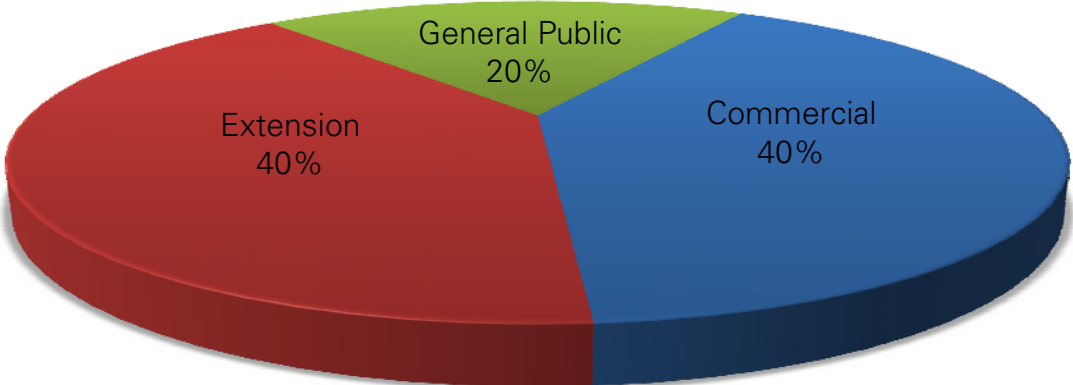


Contacts with clients peak in the summer during the growing season. During the winter months, clinic activity focuses on creating and updating online and print educational material, developing new diagnostic methods, researching emerging plant and insect problems, and educating students, plant and pest professionals, and the general public.

Clinic Services

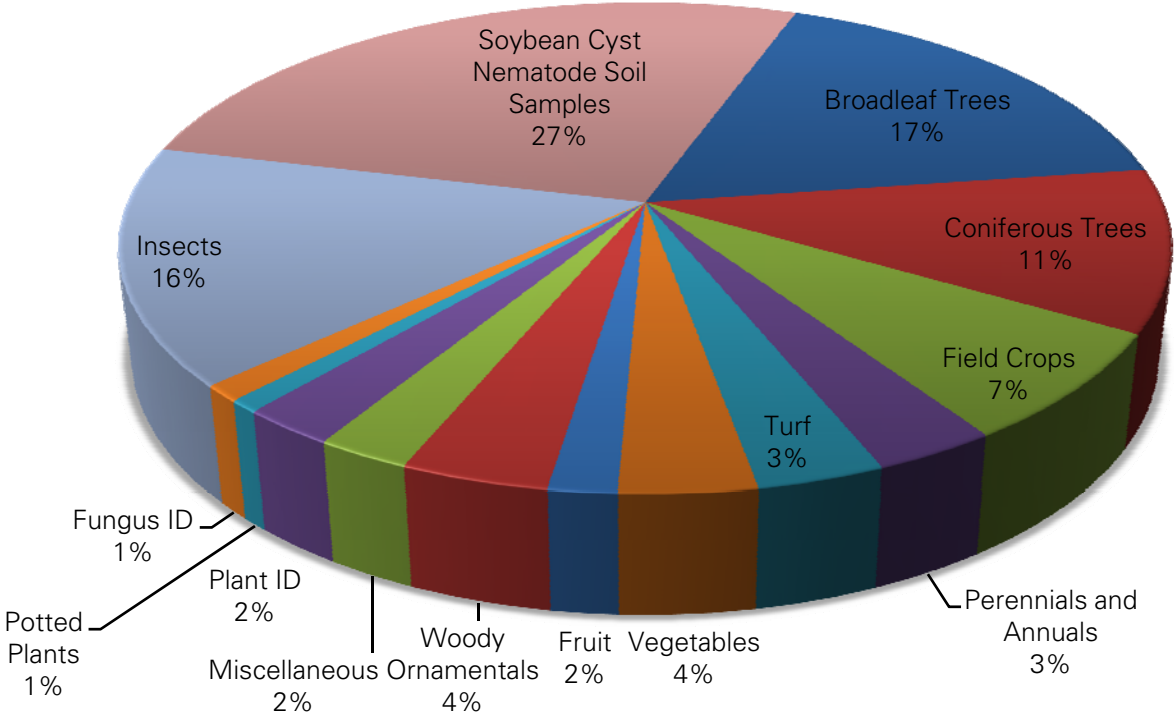
Diagnosis of plant problems	\$10
Identification of plants, weeds, insects, or mushrooms	free
Soybean cyst nematode egg count	\$15 (in state), \$30 (out of state)
Complete nematode count	\$30 (in state), \$60 (out of state)
Soybean cyst nematode HG type test	\$150

Clientele Submitting Samples to the Clinic in 2007



The Clinic serves a wide variety of clientele. Commercial pest control professionals, agronomists, and tree and lawn care professionals value the Clinic’s unbiased, science-based diagnosis of plant and pest problems to help them better serve their clients. Many crop advisors submit soil samples to test for soybean cyst nematode to help them advise their clients on which variety of soybean to plant. ISU Extension county and field staff regularly consult with the Clinic to help them better meet the needs of their local clients.

2007 Distribution of Sample Types



Acknowledgements

The Clinic is funded by Extension Plant Pathology, Extension Integrated Pest Management, the National Plant Diagnostic Network, and the Department of Horticulture.

Carla Harris, Extension Plant Pathology secretary, provides support in clinic data entry, client correspondence, and compiling the clinic annual report.

Rashelle Matthiesen-Anderson, Rosanne Healy, and Jenny Richter worked as part-time assistants providing diagnostic support for the Clinic.

Diagnosis of plant and insect problems is a team effort. Members of many departments have contributed invaluable expertise to diagnoses:

Agricultural and Biosystems Engineering--Matthew Helmers

Agronomy--Lori Abendroth, Steve Barnhart, Roger Elmore, Bob Hartzler, Mike Owen, Palle Pedersen, and John Sawyer

Ecology and Evolution and Organismal Biology--Lynn Clark, Deb Lewis, Steve Mahoney, Lois Tiffany, and Rob Wallace

Entomology--Ken Holscher, Donald Lewis, Jim Oleson, Marlin Rice, and Mark Shour

Horticulture--Nick Christians, Paul Domoto, Richard Gladon, Cindy Haynes, Jeff Iles, Richard Jauron, Dave Minner, Gail Nonnecke, Arlen Patrick, James Romer, and Hank Taber

Natural Resource Ecology and Management--Tivon Feeley, Jim Pease, and Jesse Randall

Plant Pathology--Gwyn Beattie, Edward Braun, Mark Gleason, Tom Harrington, John Hill, Leonor Leandro, Daren Mueller, Gary Munkvold, Rich Pope, Alison Robertson, Greg Tylka, Dave Volkers, and X.B. Yang



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