

Plant and Insect Diagnostic Clinic

327 Bessey Hall Ames, IA 50011 515-294-0581

2013 Annual Report

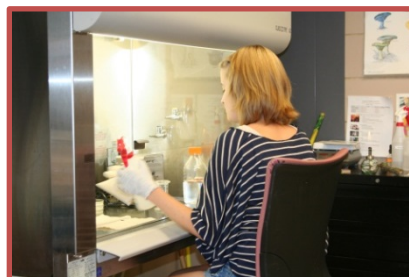
• The Plant and Insect Diagnostic Clinic (PIDC) is an integral part of the ISU Integrated Pest Management Program (IPM) and provides diagnoses of plant and insect problems and information on integrated pest management.



The IPM Team of Plant Doctors. From left: Adam Sisson, **Laura Jesse**, Daren Mueller, **Erika Saalau Rojas**, Nate Bestor, Stuart McCulloh

• We diagnose plant problems with a variety of tools including morphological-based identification as well as molecular and serological testing.

An undergraduate intern plating samples on agar for isolation of oak wilt. Culturing techniques are a unique service of the PIDC and are used to diagnose a variety of plant diseases.



• We provide diagnoses and IPM assistance to landscape and turfgrass companies, pest management professionals, agribusiness professionals, and growers. We also work closely with homeowners to solve problems in their gardens, landscapes, and homes.



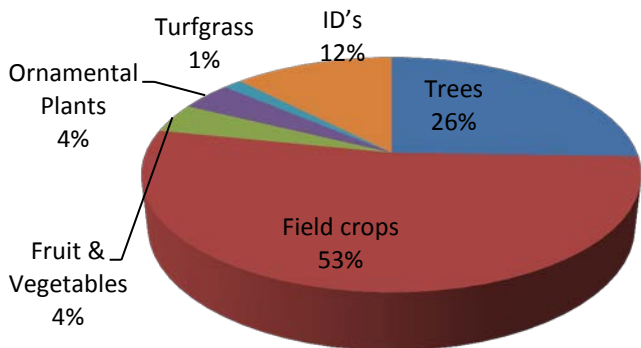
Tracking invasive insects and plant diseases across Iowa is a valuable PIDC service. Pictured is the brown marmorated stink bug, a pest of field crops, fruit plants, ornamentals, and a household pest.

• We diagnose physical plant and insect samples, and we process soil samples for soybean cyst nematodes and nematodes that feed on corn. We also consult through phone calls and through images sent via email.

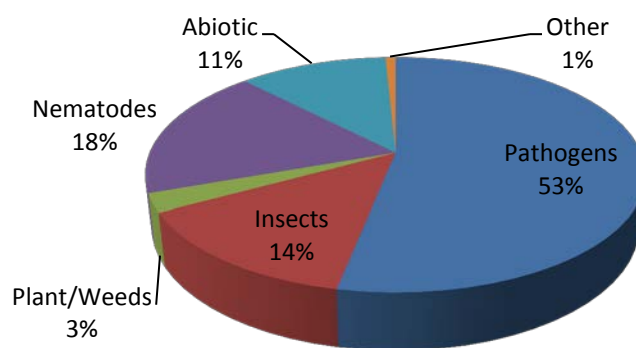
2013 Sample and Audience Contacts

Plant and Insect Samples	1,169
Nematode Samples	258
Email Inquiries	1,348
Phone Inquiries	550
Presentation Audience Numbers	6,698
Total	10,023

Distribution of 2013 Sample Types



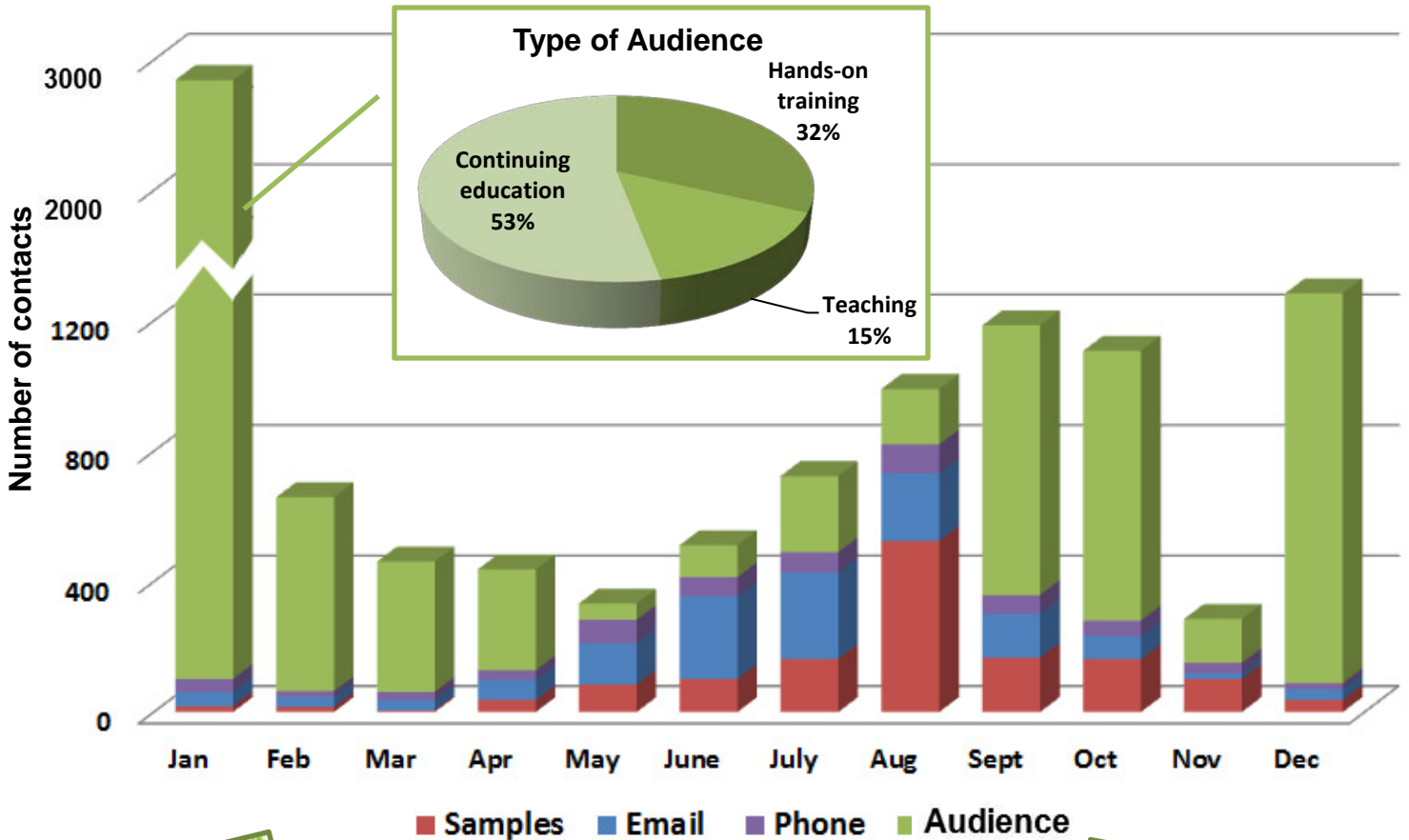
Distribution of Pest Types in 2013



Standard Clinic Service Fees

Diagnosis of plant problems	\$20
Identification of plants, weeds, insects, or mushrooms	\$10
Soybean cyst nematode egg count	\$20 (in state only)
Complete nematode count	\$35 (in state only)

2013 Clinic Contacts



Acknowledgements

Melissa Irizarry and Kealy Knott worked as interns providing diagnostic support for the PIDC.

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

Agronomy

Kendall Lamkey
Steve Barnhart
Roger Elmore
Robert Hartzler
John Sawyer

Ecology and Evolution and Organismal Biology

Deb Lewis
Jim Colbert
Rob Wallace

Entomology

Sue Blodgett
Erin Hodgson
Ken Holscher
Donald Lewis
Mark Shour
John VanDyk

Horticulture

Jeff Iles
Nick Christians
Paul Domoto
Richard Gladon
Cindy Haynes
Richard Jauron
Ajay Nair
Chris Currey

Natural Resource

Ecology and Management
Sue Blodgett
Rebecca Christoffel
Jesse Randall

Plant Pathology and Microbiology

Thomas Baum
Mark Gleason
Edward Braun
Tom Harrington
Leonor Leandro
Doug McNew
Daren Mueller
Alison Robertson
Adam Sisson
David Soh
Greg Tylka
X.B. Yang
Gary Munkvold
Jenifer Bungert



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Department of Agronomy