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SCN and Corn Nematode Workshops Set for July

Gregory L. Tylka
Iowa State University, gltylka@isastate.edu

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Abstract
The soybean cyst nematode (SCN) is widely considered the most damaging soybean pest in the Midwest. Effective long-term management of SCN requires thorough knowledge of SCN biology and use of field scouting, resistant soybean varieties, and nonhost crops in an integrated management approach. An all-day workshop focused on SCN will be held on Wednesday, July 29, 2009, in Ames. Topics of discussion at the workshop will include:

- basic biology of SCN
- how the nematode modifies living soybean cells to support itself
- proper techniques for in-season scouting and soil sampling for SCN
- integrated management of SCN to maintain profitable soybean production
- how performance of SCN-resistant soybean varieties varies among SCN-infested fields

Keywords
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Disciplines
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SCN and Corn Nematode Workshops Set for July

By Greg Tylka, Department of Plant Pathology

**SCN Workshop**

The soybean cyst nematode (SCN) is widely considered the most damaging soybean pest in the Midwest. Effective long-term management of SCN requires thorough knowledge of SCN biology and use of field scouting, resistant soybean varieties, and nonhost crops in an integrated management approach. An all-day workshop focused on SCN will be held on Wednesday, July 29, 2009, in Ames. Topics of discussion at the workshop will include:

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- proper techniques for in-season scouting and soil sampling for SCN
- integrated management of SCN to maintain profitable soybean production
- how performance of SCN-resistant soybean varieties varies among SCN-infested fields

There will be opportunities for participants to observe SCN-infected plants and various SCN life stages under microscopes. Also, there will be hands-on demonstrations of the procedures used to extract SCN cysts from soil and to extract SCN eggs from cysts. Workshop instructors will be Palle Pedersen, ISU extension soybean agronomist, and ISU nematologists Thomas Baum and Greg Tylka. Participants can earn 7.0 Certified Crop Adviser pest management CEUs.

**Corn Nematode Workshop**

There is increased interest in plant-parasitic nematodes as pests of corn. On Thursday, July 30, 2009, there will be an all-day workshop in Ames focused on the basics of the biology and management of corn nematodes. Specific topics of discussion in the workshop will include:

- review of the nematode species that can damage corn
- corn nematode life cycles and feeding habits
- symptoms of nematode damage on corn
- how to sample to determine if nematodes are damaging corn
- current and future management options for nematodes on corn

The workshop also will include demonstrations of procedures used to extract plant-parasitic nematodes from soil and corn root tissue. The workshop will be taught by ISU nematologist Greg Tylka and participants can earn 7.0 Certified Crop Adviser pest management CEUs.

Participants in both workshops will receive printed course notes, other print publications, and computer training modules on CDs. The registration fee for each workshop is $150, and there is a 10 percent discount for individuals registering for both workshops. The [nematode workshop flyers](#) contain more information and registration form.
Soybean cyst nematode (SCN) females on roots.

Stunt nematode feeding on corn root.

Greg Tylka is a professor of plant pathology with extension and research responsibilities in management of plant-parasitic nematodes. Tylka can be contacted at gtylka@iastate.edu or by calling (515) 294-3021.

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