6-12-2006

Soil and water CCA credit opportunity at Tile Installation Field Day--July 12

James A. Fawcett
Iowa State University, fawcett@iastate.edu

Follow this and additional works at: http://lib.dr.iastate.edu/cropnews

Part of the Agricultural Education Commons, Agricultural Science Commons, and the Agronomy and Crop Sciences Commons

Recommended Citation
http://lib.dr.iastate.edu/cropnews/1288

The Iowa State University Digital Repository provides access to Integrated Crop Management News for historical purposes only. Users are hereby notified that the content may be inaccurate, out of date, incomplete and/or may not meet the needs and requirements of the user. Users should make their own assessment of the information and whether it is suitable for their intended purpose. For current information on integrated crop management from Iowa State University Extension and Outreach, please visit https://crops.extension.iastate.edu/.
Soil and water CCA credit opportunity at Tile Installation Field Day--July 12

Abstract
Certified crop advisers (CCAs) can obtain 3 hours of credit in soil and water management by attending a special session at the Tile Installation Field Day at the Southeast Iowa Research and Demonstration Farm near Crawfordsville on July 12. The Tile Installation Field Day will run from 9 a.m. to 4 p.m. and will include the opportunity to see tiling machines in operation in the field as well as educational and commercial exhibits. The CCA session will begin at 11 a.m. with a viewing of trenching and plowing tiling machines in operation.

Keywords
Agronomy

Disciplines
Agricultural Education | Agricultural Science | Agriculture | Agronomy and Crop Sciences

This article is available at Iowa State University Digital Repository: http://lib.dr.iastate.edu/cropnews/1288
plump compared to other small grubs, and covered with bunches of hair. They have light tan heads, which allows them to be differentiated from manure grubs or small white grubs, which have longer bodies and darker colored heads.

**Life cycle**

The grape colaspis has a single generation per year in Iowa. The adults emerge from the soil from late June into August and feed on the foliage of a wide variety of plants, including soybean and corn. Adult beetles can be found in sweep net samples from soybeans throughout July and August. The population of adults in the field peaks sharply in early to mid-July and then begins to decline by the third week of July. They mate soon after emergence, and the females begin oviposition a few days later. The eggs hatch in 1 to 2 weeks and the larvae feed on the root surface of the soybeans where they cause little damage. The larvae move deep into the soil to overwinter. In the spring, they move up into the root zone as the soil warms and begin feeding on the surface of roots of the newly emerged corn.

**Options**

There are no known rescue treatments for grape colaspis damage. Infestations should be noted for use in future management decisions. Grape colaspis populations have been found to be consistent in fields for a number of years, and a field that has been damaged should be considered to be at risk for future damage. Management options include planting a crop other than corn, treating corn with the full corn rootworm rate of insecticide, or, possibly, applying insecticide to soybean the year prior to planting corn to eliminate adult beetles. The later technique is still under investigation and will be reported on in a later newsletter article.

---

**Announcements**

**Soil and water CCA credit opportunity at Tile Installation Field Day—July 12**

by Jim Fawcett, Iowa State University Extension

Certified crop advisers (CCAs) can obtain 3 hours of credit in soil and water management by attending a special session at the Tile Installation Field Day at the Southeast Iowa Research and Demonstration Farm near Crawfordsville on July 12.

The Tile Installation Field Day will run from 9 a.m. to 4 p.m. and will include the opportunity to see tiling machines in operation in the field as well as educational and commercial exhibits. The CCA session will begin at 11 a.m. with a viewing of trenching and plowing tiling machines in operation. Tile will be placed to compare shallow, narrow spacing of tile to deeper, wider spacing. Controlled drainage also will be featured, as well as a constructed wetland to reduce nitrates in the tile water.

In the afternoon, Matt Helmers, ISU Extension agricultural engineer, will present “Drainage Design Considering Economics and the Environment.” Also featured in the afternoon will be Jim Baker, agricultural engineer and water quality expert, presenting “Water Quality Research in Iowa.” The afternoon session will conclude at 2:30 p.m.

Registration for CCAs will begin at 10:30 a.m. The registration fee is $40, which includes lunch. Please preregister by calling the Johnson County Extension Office at (319) 337-2145 or sending an e-mail to Jim Fawcett (fawcett@iastate.edu) by July 10 to avoid a $10 late fee. The registration fee can be paid at the door. Rain date is July 13. To reach the research farm go 1½ miles south of Crawfordsville on Highway 218, then 2 miles east on G-62, then ¼ mile north.

---

Jim Fawcett is an extension field crops specialist serving Benton, Iowa, Johnson, Jones, Linn, Keokuk, and Washington counties.