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

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# 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

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.

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*Benjamin Kaeb is a research associate in entomology. Jon Tollefson is a professor of entomology and chair of the Department of Entomology, Iowa State University.*



## Announcements

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

by **Jim Fawcett, Iowa State University Extension**

**C**ertified 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 pre-register by calling the Johnson County Extension Office at (319) 337-2145 or sending an e-mail to Jim Fawcett ([fawcett@iastate.edu](mailto: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 1¾ miles south of Crawfordsville on Highway 218, then 2 miles east on G-62, then ¾ mile north.

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