

*A fact sheet on the European crane fly has been fully completed. This document was written to include both *Tipula paludosa* and *Tipula oleracea*.*

The fact sheet is now published on-line at the NYS IPM Website (<http://www.nysipm.cornell.edu/factsheets/turfgrass/default.asp>) where it can be downloaded as a pdf file.

NYSTA Funded Research Promoting IPM with New Information Resources

Project Description from Original Proposal:

We will develop, publish and promote eight fact sheets representing the most damaging and widespread pests of turfgrass maintenance and sod production. Our goal is to increase the quality and availability of information relevant to IPM under the geographic, meteorological and regulatory conditions of NY. Three fact sheets will be converted to Spanish versions so we can assess the value of bilingual materials to the green industry workforce. To accompany these pest profiles, we will gather information to construct range maps for each species across counties of the state. Overall impact of the project will be measured in numbers of individuals that come in contact with hard copy or on-line versions of this information.

Objectives from Original Proposal:

- 1 Obtain and assess information materials that are currently disseminated by CCE agents in reference to turfgrass insect pests
- 2 Write fact sheets that summarize and coalesce our current understanding of the bioecology and management of eight major turfgrass pests in NY State
- 3 Gather and coalesce distribution information to develop range maps for the same eight turfgrass pests in NY State
- 4 Produce Spanish-language versions of three fact sheets
- 5 Publish and promote fact sheets
- 6 Evaluate project impact

Results:

A fact sheet on the European crane fly has been fully completed. This document was written to include both *Tipula paludosa* and *Tipula oleracea*. Modifications were made based on the comments of three outside reviewers that included Art Agnello (Dept. Entomology, NYSAES, Cornell University), Pamela Charbonneau (Guelph Turfgrass Institute of the Ontario Ministry of Agriculture and Food) and Brian Eshenaur (Cornell Cooperative Extension of Monroe County). It is now published on-line at the NYS IPM Website (<http://www.nysipm.cornell.edu/factsheets/turfgrass/default.asp>) where it can be downloaded as a pdf file. Over the three months that the European crane fly fact sheet has been posted, it averaged ~80 hits per week, or 270 hits in September, 597 in October and

110 in November.

The Spanish language version of the European crane fly document has also been fully completed and was recently posted on-line.

A fact sheet on the annual bluegrass weevil has also been written and modified based on the comments received from three outside reviewers: Art Agnello (Dept. Entomology, NYSAES, Cornell University), Dave Oatis (Northeast Region, USGA Green Section) and Paula Shrewsbury (Dept. Entomology, University of Maryland). The illustrations are still under preparation. An unformatted version is available. The Spanish language version of the annual bluegrass weevil document is currently under review by two native Spanish speakers.

We will next write a fact sheet on the white grub complex, together with a Spanish language version. The final fact sheet will be on the hairy chinch bug. Once the entire series is published on-line, all CCE cooperators will be invited to review them and submit comments that will be integrated into updated versions.

After speaking with CCE extension agents in more detail, Objective 1 does not fit into the structure of this project. As long as cooperators are made aware of where they can access this material on-line, they will be able to make use of it. And as long as they are given the opportunity to review and comment on the material summarized in the fact sheets, they will be able to transmit any regionally-specific information to us that could be amended or worked into the document.

A database has been assembled for all available distribution information on both species of European crane flies. Data is still being gathered for the other pest species.

The fact sheets were not ready for promotion at the 2006 Empire State Green Industry Show, as anticipated. We do, however, plan to promote the series through educational displays at the 2007 NYSTA Southeast, Western and Adirondack Regional Conferences. Complimentary copies will be made available to anyone visiting the booths. Hard copies will also be sent to executive officers of local Golf Course Superintendent Association chapters for promotion among their constituents. Hard copies will be included among the materials given to participants in the Cornell Golf Pest Management Short Course.

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