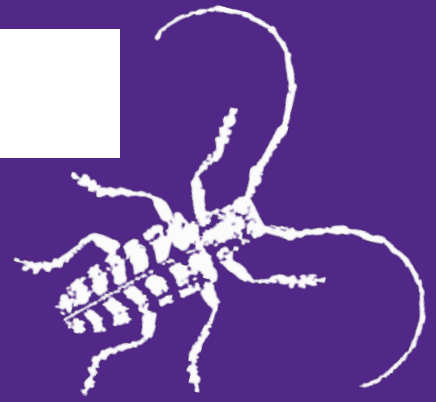


Kansas State University Extension Entomology Newsletter

For Agribusinesses, Applicators, Consultants, Extension Personnel & Homeowners

Department of Entomology
123 West Waters Hall
K-State Research and Extension
Manhattan, Kansas 66506
785-532-5891
<http://blogs.k-state.edu/kansasbugs/>
<http://www.entomology.ksu.edu/extension>



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Volunteer Wheat
Soybean Pest Update
Alfalfa Pest Update
Plant Bugs
Kansas Greenhouse Growers Association 2016 Biological Control Workshop
Insect Diagnostic Laboratory Report

Volunteer Wheat

Frequent rain over the last few weeks has played havoc with volunteer wheat control. Each rain seems to bring another flush of volunteer.



This is an ideal situation for most wheat pests, i.e. Hessian flies, winter grain mites, wheat curl mite, and the wheat aphids (mainly greenbugs, bird cherry oat and English grain) as well as the pathogens they may vector. Thus, please remember to destroy all volunteer at least 2 weeks prior to planting to help manage these pests.

Jeff Whitworth

Holly Schwarting

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Soybean Pest Update

Many beans have passed the stage that is attractive for bean leaf beetle adult pod feeding. However, later planted beans are still tender enough to attract these beetles and they are feeding on the pods.



This can reduce yield quickly so monitoring needs to continue until the last pods have turned yellow. Please refer to the 2016 Soybean Insect Management Guide available at:

<https://www.bookstore.ksre.ksu.edu/pubs/MF743.pdf> for management recommendations.

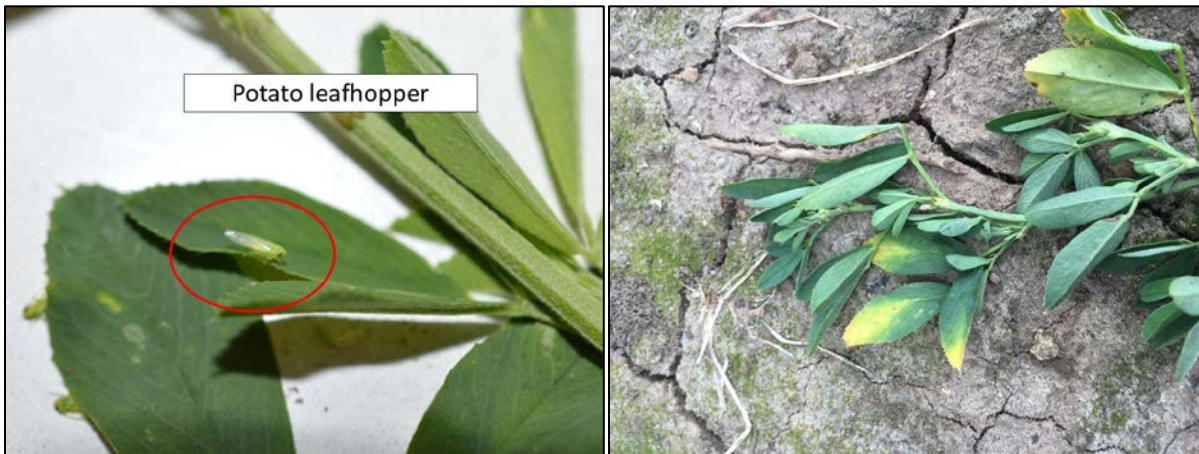
Jeff Whitworth

Holly Schwarting

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Alfalfa Pest Update

Potato leafhoppers are still numerous in most alfalfa fields around north central Kansas. They are causing 'hopper burn' which can limit the plant's ability to translocate nutrients to the roots prior to winter.



Swathing should help but if you have already cut your fields for the last time this year, monitoring should continue to ensure these little pests don't cause too much plant stress, especially this time of year. Hopefully, they will head south to overwinter soon!

Jeff Whitworth

Holly Schwarting

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Plant Bugs

Plant bugs, i.e. tarnished and alfalfa plant bugs, are numerous in alfalfa fields and are causing concern. However, they typically overwinter as adults in alfalfa without causing any damage and therefore should not be of concern.

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Jeff Whitworth



Holly Schwarting

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Kansas Greenhouse Growers Association 2016 Biological Control Workshop

OCTOBER 18, 2016

POTTHORF HALL, MANHATTAN, KS

SCHEDULE

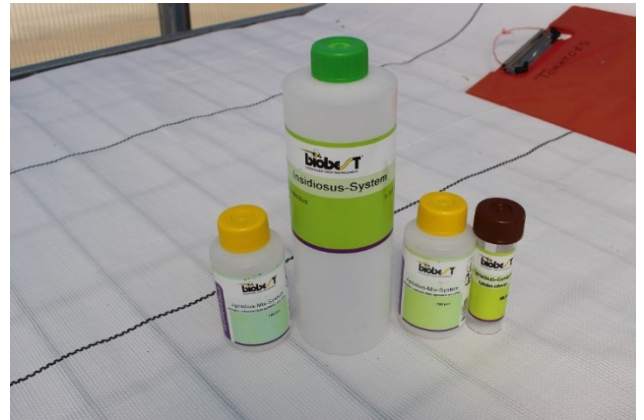
- | | |
|-------------------|---|
| 8:00 to 9:00 AM | Registration |
| 9:00 to 10:00 AM | Fundamentals of biological control
(Dr. Raymond Cloyd) |
| 10:00 to 10:45 AM | How to succeed using biological
control (Chris Fifo) |



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- 10:45 to 11:30 PM The challenges associated with rearing natural enemies (Brian Spencer)
- 11:30 to 12:15 PM Panel Discussion: Why we use biological control (Tim Sullivan, Karen Pendleton, and Eric or Evan Nelson)
- 12:15 to 1:00 PM Lunch
- 1:00 to 3:00 PM Demonstrations and samples of beneficial insects, mites, and nematodes (Dr. Raymond Cloyd, Brian Spencer, and Chris Fifo)
- 3:00 to 3:30 PM Conclusion and Evaluation



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Kansas Greenhouse Growers Association Biological Control Workshop October 18, 2016

POTTORF Hall
1710 Avery Drive
Manhattan, KS 66503
CICO Park

REGISTRATION FORM

Name: _____

Business Affiliation: _____

Address: _____

City/Count/State/Zip: _____

Phone: (____) _____ Fax: (____) _____ E-Mail: _____

Additional Attendees (needed for name badges):

1. _____ 2. _____

3. _____ 4. _____

Total Number Attending: _____

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One Day Event:

Individual	_____ @ \$ 50 = _____
Vendor	_____ @ \$100 = _____
Student	_____ @ \$ 15 = _____

Please send a check made out to: "The Kansas Greenhouse Growers Association" OR pay with a check at the registration desk at the workshop.

Return to: Dr. Raymond Cloyd
Department of Entomology
Kansas State University
123 Waters Hall
Manhattan, KS 66506-4004

Raymond Cloyd

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Insect Diagnostic Laboratory Report

<http://entomology.k-state.edu/extension/diagnostician/recent-samples.html>

Eva Zurek

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Sincerely,

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Kansas State University Agricultural Experiment Station and Cooperative Extension Service

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