

CROP NOTES for August 1, 2009 – Soybean Aphid Update

Past issues of Crop Notes are posted at:

<http://www.extension.iastate.edu/winneshiek/info/crops.htm>

Iowa State University Extension Information for Northeast Iowa

By Brian Lang, ISU Extension Agronomist

911 S. Mill Street, Decorah, IA 52101

563-382-2949

Soybean Aphid Update from Decorah

Here are the last few weeks of data from my research plot near Decorah. Current readings and average trends suggest we will reach the 250 threshold by about Aug 7. However, I also applied the Speed Scouting Method to this trial on Aug 1, and that method determined it is now (Aug 1) time to treat. The Speed Scouting Method is explained at:

<http://www.iasoybeans.com/checkoff/publications/aphidcard/aphidcard.pdf>

Either way, we are close enough and will treat designated plots with foliar insecticide this week.

<u>Date</u>	<u>% plants with aphids</u>	<u>Average aphids/plant</u>
July 12	60%	3
July 19	95%	13
July 26	100%	26
July 29	100%	45
Aug 1	100%	99

The insecticide seed treated treatments still have lower numbers than the untreated seed. Current scouting (Aug 1) provided counts of 100% infestation and an average of 41 aphids per plant. They probably will not reach threshold for another 7 to 10 days.

The accelerated increase in aphids per plant in this trial is at least partly due to the recent increase in aphid migration. Winged aphids per plant increased from last week's 0.05 winged aphids per plant to this week's 0.55 winged aphids per plant. Insecticide treated seed plots also saw a large increase with 0.5 winged aphids per plant on Aug 1. Also, winged aphid movement was noted on July 24 by the suction trap network. The trap at the Northeast ISU Research Farm near Nashua posted the first winged aphid movement this summer on July 24. This week's readings should show an additional increase in winged aphid migration.

The weekly "Aphid Trends" table for the Decorah research site is attached as a pdf.

A podcast covering state-wide soybean aphid activity will be posted on Monday afternoon at:

<http://www.ent.iastate.edu/soybeanaphid/>

Nationally, you can check aphid activity at the USDA web site:

http://sba.ipmpipe.org/cgi-bin/sbr/public.cgi?host=All%20Legumes/Kudzu&pest=soybean_aphid

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Brian J Lang
ISU Extension Agronomist
911 S. Mill Street, Decorah, IA 52101
Ph 563-382-2949
Cell 563-387-7058
Fax 563-382-2940
Email bjlang@iastate.edu