

CROP NOTES for Aug. 17, 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

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Soybean Aphid Update

The research plot near Decorah continues to double in aphid population every 3 to 4 days.

Winged aphid numbers also continues to increase suggesting the migration of aphids to start new colonies exists.

Table below provides data for “untreated control” and “(insecticide treated seed)”.
Plots treated with foliar insecticide on Aug. 3 currently average 180 aphids per plant.

Date	Stage	% plants with aphids		Avg aphids/plant		Winged aphids/plant	
July 12	R1-R2	60%	(24%)	3			
July 19	R2	95%	(54%)	13			
July 26	R3	100%	(77%)	26	(11)	0.05	(0.03)
July 29	R3	100%		45		0.2	
Aug 1	R4	100%	(100%)	99	(41)	0.6	(0.5)
Aug 4	R4	100%	(100%)	187		1.9	
Aug 9	R5	100%	(100%)	584	(416)	3.0	(2.6)
Aug 12	R5	100%	(100%)	940	(580)	4.5	(11.0)
Aug 15	R5	100%	(100%)	2,054	(1,625)	8.5	(8.1)

Beneficial insect levels holding steady for three weeks.

Range of aphids per plant in untreated control plots from 1,100 to 3,050.

Range of aphids per plant in insecticide treated seed plots from 1,200 to 2,400.

A podcast covering state-wide soybean aphid activity is posted each week on Monday afternoon (or Tuesday Aug 11 in the case of last week) 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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