

**Soybean insecticide/fungicide/SCN study.
Clay County Growers plot.
Iowa State University, MaxYield Cooperative and Iowa Soybean Association
cooperating.
October 15, 2008.**

variety	treatment	I	II	III	avg.	Adv. to trt.
		-----yield, bu/a @13.0 %-----				
RC2177V	Headline	59.4	53.4	56.8	56.5	5.9
AG2423V	Headline	61.4	60.3	59.0	60.2	6.1
RC2177V	Warrior	56.0	57.7	57.7	57.1	6.5
AG2423V	Warrior	57.3	56.8	56.4	56.8	2.7
RC2177V	Headline and Warrior	60.3	59.4	60.7	60.1	9.5
AG2423V	Headline and Warrior	59.0	57.3	58.1	58.1	4.0
RC2177V	check	49.5	51.2	51.2	50.6	-
AG2423V	check	56.4	52.9	52.9	54.1	-

LSD 0.05

Croplan RC2177V– soybean cyst nematode (SCN) resistant (plant date 5/18/08).
Asgrow AG2423V–SCN resistant (plant date 5/18/08).

Plot size is 0.40 acre (1175 ft x 6 - 30 in. rows).

Soybean aphid levels reached threshold (MN speed scouting) on July 29.
Leaf diseases were at a low level.

Treatments	Product
Fungicide	6.0 oz/a Headline.
Insecticide	1.6 oz/a Warrior II.
Fungicide and insecticide	6.0 oz/a Headline + 1.6 oz/a Warrior.

Treatments applied August 1, 2008. The treatments all had 0.6 lb Array/100 gal of spray mix. Carrier volume was 15 GPA and spray pressure was 30 PSI. Nozzles were 8008 flat fan.

Soybean cyst nematode numbers.

variety	treatment	I	II	III	avg.
RC2177V	Headline and Warrior	200	0	0	
AG2423V	Headline and Warrior	0	0	0	
RC2177V	check	0	0	0	
AG2423V	check	0	0	0	

Top number – egg count, soil samples taken June, 2008.

Bottom number – egg count, soil samples taken November , 2008.

Prepared by Paul Kassel, ISU Extension FS/crops, 712 262 2264.