

Western Illinois University

2008 Soybean Variety Trials-Yield Summary

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Variety	Group	Company	Organic Allison Farm Planted 6/20 Yield (Bu/A)	Alpha = 0.30	Alpha = 0.05	Rank	Conventional WIU Site Planted 6/23 Yield (Bu/A)	Alpha = 0.30	Alpha = 0.05	Rank
32A7	3.2	Blue River Hybrids	53.9	a	a	1	18.7	ab	ab	4
34A7	3.4	Blue River Hybrids	53.4	ab	a	2	20.5	ab	a	3
30A7	3.0	Blue River Hybrids	53.0	ab	a	3	21.2	a	a	1
27A9	2.7	Blue River Hybrids	49.3	ab	a	4	21.0	ab	a	2
20333	3.3	U.S. Soy	48.4	ab	a	5	16.5	abc	ab	5
2A71	2.7	Blue River Hybrids	46.6	ab	a	6	14.8	abc	ab	7
20145	4.5	U.S. Soy	45.5	b	a	7	8.5	c	b	9
GH 327	3.2	Great Harvest Organics	45.5	bc	a	8	16.1	abc	ab	6
GH291N	2.9	Great Harvest Organics	29.6	d	b	9	13.0	bc	ab	8

See next page for site descriptions!

Organic Site

The organic site was located about 7 miles north of Sciota, IL in Warren Co at the Allison organic research farm (field 2C) on a Sable silty loam soil (poorly drained). The 2005 soil test for this site was: pH = 6.89, P-1 = 138 lbs/a, K = 462 lbs/a, CEC = 20.7 meq/100g, and OM = 3.7%.

The trials consisted of 4 randomized reps and were planted on 6/20/08 with a Buffalo 4 row planter at a rate of 175,000/acre. The methods of weed control included rotary hoeing two times and one cultivation, and hand weeding. A rye cover crop was also incorporated with a disk about 4 weeks prior to planting the soybeans. Each plot consisted of two rows that were harvested by a KEM plot combine on 11/4/08. Statistical analysis included three to four reps with each plot at approximately 40-50 ft in length.

Conventional Site

The WIU conventional site was located on the north side of WIU campus in McDonough Co, IL adjacent to the WIU livestock pavilion on a Rozetta silty loam soil, which is a poor to moderately drained soil. This site was subject to excess rains and deer traffic, which most likely reduced soybean yields.

The trials consisted of 5 randomized reps and were planted on 6/23/08 with a Kincaid JD71 2 row plot planter at a rate of 160,000/acre. Methods of weed control included two conventional herbicide applications and moderate hand weeding. Each plot consisted of two rows that were harvested by a KEM plot combine on 10/30/08. Statistical analysis included four to five reps with each plot at approximately 16 ft in length. The most recent soil test for this site: pH=6.9, P=220, K=344.