

Western Illinois University

“2006 Soybean Variety Trials (Yield Summary)”

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ID	Variety	Group	Company	Traits	Organic Allison Farm Yield (Bu/A)	Rank	Conventional WIU Site Yield (Bu/A)	Rank
4	34A7	3.4	Blue River Hybrids		48.7	1	58.5	1
10	GH327	3.2	Great Harvest Organics	Food Grade	44.9	2	49.1	10
7	32A7	3.2	Blue River Hybrids		44.2	3	54.2	3
12	93B86	3.8	Pioneer/Dupont	SCN resistant	42.9	4	56.8	2
5	3F43	3.4	Blue River Hybrids		41.4	5	52.5	5
11	GH292N	2.9	Great Harvest Organics	SCN resistant	41.0	6	47.1	12
9	ECR-J30	3	Clarkson Grain Comp.	Food Grade	40.7	7	43.0	15
2	2A71	2.7	Blue River Hybrids		40.1	8	49.3	9
8	28YP5	2.8	Blue River Hybrids	High Protein	39.2	9	44.2	14
3	37Y7	3.7	Blue River Hybrids		38.9	10	47.6	11
6	30YP5	3.0	Blue River Hybrids	High Protein	37.8	11	46.2	13
1	2FN93	2.9	Blue River Hybrids	SCN resistant	36.7	12	51.2	7
13	93B82	3.8	Pioneer/Dupont		Not grown	N/A	52.6	4
14	AG 3602	3.6	Asgrow	RoundUp Ready	Not grown	N/A	52.5	6
15	93M50	3.5	Pioneer/Dupont	RoundUp Ready	Not grown	N/A	49.6	8
					LSD = 4.3		LSD = 6.0	

LSD is significant at the 0.05 probability level.

See next page for site descriptions.

2006 WIU Soybean Test Plot Site Descriptions

Organic Site

The organic site is located about 7 miles north of Sciota, IL in Warren Co at the Allison organic research farm (field 2B east) on a Sable silty loam soil (poorly drained). The 2005 soil test for this site was: pH = 6.9, P-1 = 32 lbs/a, K = 190 lbs/a, CEC = 21.7 meq/100g, and OM = 3.8%.

The trials consisted of 6 randomized reps and were planted on 6/13/06 with a Buffalo 4 row planter at a rate of 173,000/acre. Each plot consisted of one row of 50 ft that were harvested by a KEM plot combine on 10/25/06 and 10/30/06. The methods of weed control included rotary hoeing one time and two cultivations. A minimal amount of hand weeding was also done to primarily control volunteer corn. A rye cover crop was also incorporated with a disk 3 weeks prior to planting the soybeans.

Conventional Site

The conventional site is located on the north side of WIU campus (block 14) in McDonough Co, IL which is a Downs silty loam soil (moderately well drained). The most recent soil test for this site dated July, 2006 was: pH = 6.7, P-1 = 74 lbs/ac, K = 364 lbs/ac, CEC = 14.5 meq/100g, O.M. = 1.8%.

The trials consisted of 5 randomized reps and were planted on 5/24/06 with a Kincaid JD71 2 row plot planter at a rate of 160,000/acre. Methods of weed control included FirstRate™ herbicide at 0.6 oz/ac and Stalwart™ herbicide at 2 pints/ac, and moderate hand weeding. Only four (2 row x approx. 12 ft) reps were analyzed, due to combine plugging in one section.