

Western Illinois University/Allison Organic Farm

“2006 Organic Corn Hybrid Trials Summary”

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ID #	Hybrid	Maturity	Company	Yield (bu/ac)	Crop ¹ Stand/Acre	% Corn ² Lodged
7	67M07	112	Blue River Hybrids	164.8	28,300	4.3
9	61R34	109	Blue River Hybrids	162.8	26,000	7.4
12	55R32	106	Blue River Hybrids	151.4	25,200	7.1
3	3081	104	Prairie Hybrids	148.3	26,800	4.3
8	66P32	112	Blue River Hybrids	148.2	25,000	7.8
6	68F32	113	Blue River Hybrids	147.1	24,700	5.4
4	1671	102	Prairie Hybrids	142.6	24,700	6.7
1	6221	107	Prairie Hybrids	137.9	24,000	4.4
5	2431	103	Prairie Hybrids	131.0	26,000	7.2
10	49M37	102	Blue River Hybrids	129.6	25,500	5.2
11	63H07	110	Blue River Hybrids	126.4	22,000	6.9
2	7861	112	Prairie Hybrids	119.2	25,300	5.5
				LSD = 43.1	LSD = 3,143	LSD = 5.2

LSD is significant at the 0.05 probability level.

This organic site is located about 7 miles north of Sciota, IL in Warren Co at the Allison organic farm (field 2B west) on a Sable silty loam soil (poorly drained). The 2005 soil test for this site is: pH=6.9, P1= 32 lbs/a, K= 190 lbs/a, CEC = 21.7, and OM = 3.8%.

The trials were planted 5/23/06 with a John Deere 7200 12 row vacuum style planter at a rate of 32,000/acre. Each plot consisted of one row hand harvested on 10/10/06 for two 7' sections for a total of 14' sample area. On 9/1/05, 3,200 gal/ac of hog manure was applied and followed by disk ripping at about 16" deep. The methods of weed control included rotary hoeing two times and one cultivation.

All seed from Blue River Hybrids was pre-treated with seed treatment (Natural II TM).

Six reps were analyzed for the yield, stand, and lodging.

¹ Crop stand estimated at maturity (9/25/06) by counting number of plants in 1/1000 acre for each plot.

² Corn lodging estimated at maturity (9/25/06) by counting number of lodged plants below the ear in 1/1000 acre for each plot.