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2004 Organic Soybean Variety Trial Results

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About the Trials

The Wisconsin Organic Variety Trials are conducted to give soybean producers information on performance and characteristics of soybean varieties that could be used in an organic soybean production system. The trials were conducted using approved organic production practices at two sites certified for organic production. Seed used for the trials were either organically produced or untreated non-organic varieties for which there are food and feed grade markets. Organic agriculture as defined by the USDA is "an ecological production management system that promotes and enhances biodiversity, biological cycles, and soil biological activity. It is based on minimal use of off-farm inputs and on management practices that restore, maintain, or enhance ecological harmony."

Yield and Composition Results

Performance of Public and Commercial Entries at Two Wisconsin Locations

ARL=ARLINGTON, ETROY=EAST TROY

Originator/Brand	Entry	Maturity Group	2004 Yields ¹		Yield bu/A	2004 2-Test Average			
			ARL	ETROY		Lodging ²	Protein	Oil	Protein plus oil ³
			----- bu/A -----			1-5	%	%	lb/A
lowa	IA 1006	1.6	53	31	42	1.9	35.9	17.8	1345
lowa	IA 1008	1.7	54	35	45	1.3	37.3	17.2	1461
lowa	IA 2017	2.0	49	37	43	2.4	38.7	16.8	1430
lowa	IA 2041	2.3	40	28	34	1.5	39.8	16.3	1127
lowa	IA 2053	2.1	56	39	48	2.0	39.7	16.3	1596
lowa	HP 204	1.9	43	35	39	2.3	39.7	16.3	1318
lowa	Vinton 81	2.0	43	33	38	1.8	39.7	16.3	1281
Gold Country	6024FG	2.4	56	23	40	1.3	37.6	17.6	1310
Kaltenberg	KC201FG	2.0	53	28	40	1.4	40.0	17.1	1378
Kaltenberg	KC243FG	2.4	56	31	43	1.4	38.0	17.5	1440
Kaltenberg	KC263FG	2.6	41	26	34	1.7	39.6	16.9	1141
Latham	280 Brand	1.7	* 61	32	46	1.0	36.0	18.1	1497
NC+	1F44	1.4	46	28	37	1.4	41.2	16.0	1270
NC+	1F61	1.6	* 61	32	46	1.4	37.3	17.8	1528
NC+	2F11	2.1	57	* 45	* 51	1.0	35.8	17.6	1627
Viking	O.1832	1.8	* 60	30	45	1.0	35.2	18.2	1435
Viking	O.2022	2.0	* 64	38	* 51	1.2	36.2	17.6	1628
Mean			52	32	42	1.5	38.1	17.1	1401
LSD (0.10)			4	5	3	0.4	0.8	0.4	158

¹ Yields preceded by a "*" are not significantly different (0.10 level) than the highest yielding variety.

² Lodging score: 1=no lodging ... 5=all plants flat.

³ Total yield of protein and oil per acre

Results that are shaded provide the best estimate of relative variety performance.



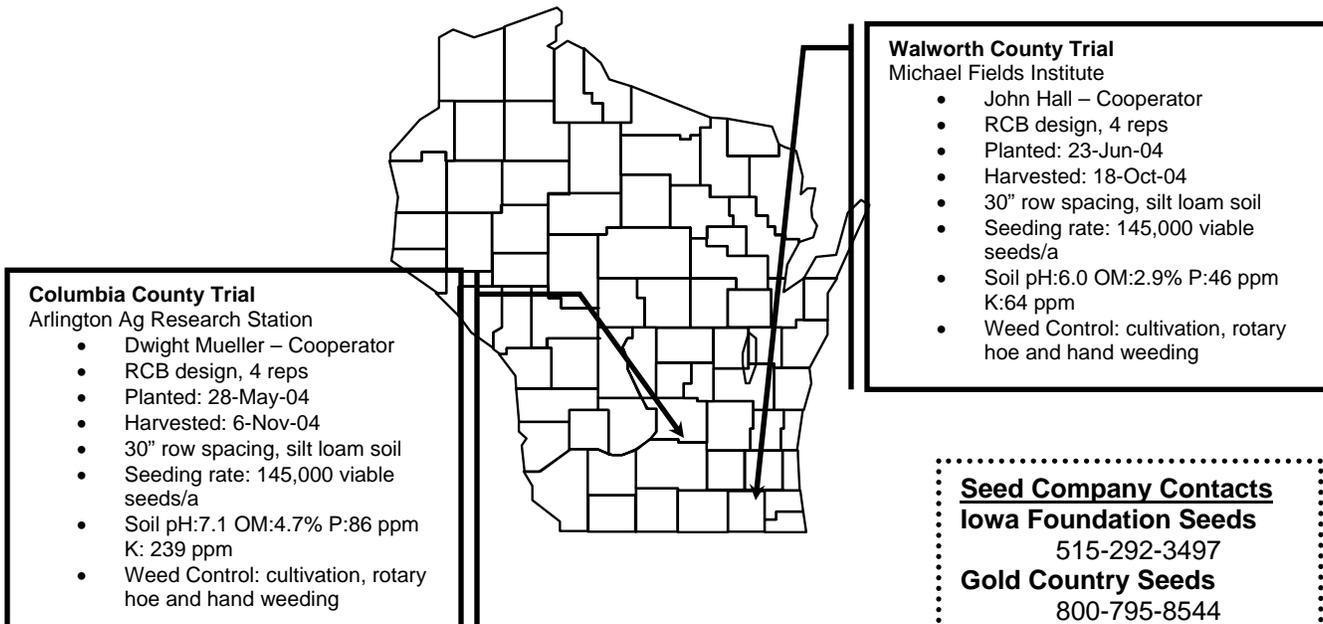
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UW Soybean Research and Extension Program - <http://soybean.uwex.edu/>
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Characteristics of Soybean Varieties

Originator/ Brand	Entry	Maturity Group	Seed size (seeds/lb)		Hilum Color ¹	Other Characteristics ¹
			Planted	Harvested		
Iowa	IA 1006	1.6	3110	2750	black	feed grade, avg protein
Iowa	IA 1008	1.7	2670	2510	yellow	scn resistance, food grade
Iowa	IA 2017	2.0	2440	2200	yellow	high protein, food grade
Iowa	IA 2041	2.3	3030	2420	yellow	very high protein
Iowa	IA 2053	2.1	2170	2340	yellow	food grade
Iowa	HP 204	1.9	2370	2000	yellow	high protein, tofu type
Iowa	Vinton 81	2.0	2080	1980	yellow	high protein, tofu type
Gold Country	6024FG	2.4	2580	2040	yellow	food grade
Kaltenberg	KC201FG	2.0	2620	2070	yellow/tan	high protein, high oil
Kaltenberg	KC243FG	2.4	2640	2120	yellow	high protein, high oil
Kaltenberg	KC263FG	2.6	2630	2400	yellow	very high protein, avg oil
Latham	280 Brand	1.7	3800	2930	brown	feed grade
NC+	1F44	1.4	2340	2130	yellow	high protein, tofu type
NC+	1F61	1.6	2570	2470	yellow	food grade, discontinued
NC+	2F11	2.1	3240	2530	yellow	high isoflavone, tofu type
Viking	O.1832	1.8	2850	2850	black	feed grade, avg protein
Viking	O.2022	2.0	2770	2450	yellow	food grade

¹ Hilum color and characteristics provided by variety originator.

Location of the 2004 Trials



For more information on organic and general soybean production:

UW Madison Soybean Research and Extension Program

<http://soybean.uwex.edu>

UW Madison Soybean Plant Health

<http://www.plantpath.wisc.edu/soyhealth>

National Organic Program, USDA

<http://www.ams.usda.gov/nop>