

**2007**

**WISCONSIN  
SOYBEAN  
VARIETY  
TEST  
RESULTS**

**Department of Agronomy  
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University of Wisconsin-Madison**

**Wisconsin Crop Improvement Association**

**University of Wisconsin - Extension**



# 2007 WISCONSIN SOYBEAN VARIETY TEST RESULTS

A3654

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## 2007 Report

	<u>Table</u>
General Information on the 2007 Test	1
Southern Region Tests	2-3
Arlington, Janesville, Lancaster	
Central Region Tests	4-5
Fond du Lac, Galesville, Hancock	
North-Central Region Tests	6-7
Chippewa Falls, Marshfield, Seymour	
Northern Region Tests	8-9
Spooner, Sturgeon Bay	
Early White Mold Disease Test	10
Marshfield	
Mid White Mold Disease Test	11
Marshfield	
Late White Mold Disease Test	12
Arlington	
SCN Disease Test	13
East Troy	
Seed Source for the 2007 Tests	14
Precipitation and Temperature Summary	15
Characteristics of Varieties	16
Organic Variety Trial Results	

The Wisconsin Soybean Variety Test is conducted each year with the producer's needs in mind. Our objective is to give producers the information to select varieties that will satisfy their specific goals and are most likely to perform best under his/her management practices.

### How the Entries were Tested

Seed companies, private breeders, and university research and extension specialists voluntarily submitted any number of entries they wished. Most of these entries are commercially available, but experimental varieties were also tested. Several commercial and public cultivars were included for comparison.

Tests were conducted at all locations using conventional or reduced tillage practices. The white mold tests were planted at 225,000 seeds/acre, while the standard variety tests were planted at 175,000 seeds/acre, at row spacing as listed in Table 1. Tests were conducted with a randomized complete block design, in a split-block arrangement, with three or four replications. Table 1 also lists the combination of herbicides used for weed control in the conventional and glyphosate tolerant variety blocks.

### Growing Conditions

Wisconsin soybean growers experienced widely variable weather conditions in 2007. A significant drought hit several areas in northern WI, while growers in the southern

third of the state generally welcomed plentiful rainfall and warm temperatures which resulted in a statewide average soybean yield of 39 bu/a. Planting started in a timely manner over most of Wisconsin in early May and progressed ahead of average throughout May. Good early season growing conditions lead to timely emergence and good early season soybean stands. May and June temperatures were warmer than average and rainfall was below average across much of the state.

July weather was characterized by normal temperatures and below normal precipitation. Though rainfall was lacking across the state much of Northern Wisconsin suffered the greatest losses due to the continued dry conditions from 2006.

August rainfalls came about two weeks to late for much of Wisconsin's Northern soybean crop. Hardest hit were the early maturity groups soybean varieties. These varieties had matured prior to the August rainfall. At the Northern variety test locations the largest yield differences were among the early and late maturity group soybeans at those locations. Southern Wisconsin received excessive rainfall events. Flooding occurred in Southwest Wisconsin while drought conditions persisted in Northern Wisconsin. Rainfall events, though excessive, greatly helped soybean yields in the southern third of the state.

Most of September was characterized by warm and mostly dry weather. Parts of NW

Wisconsin however continued to receive average to above average rainfall. The late rain though needed to replenish soil water levels significantly affected soybean harvest timing and grain quality. Soybean had matured earlier than normal in Northern Wisconsin due to drought conditions however harvest was delayed by several weeks. Delayed harvest lead to decreased test weight, increased disease incidence in the grain, and dockage. Source: [www.nass.usda.gov](http://www.nass.usda.gov)

### **How Performance was Measured**

**Yield:** Plots were weighed and moisture was determined in the field using electronic equipment on the plot harvester. Yields are reported in bushels (60 pounds/bushel) per acre at 13 percent moisture content.

**Lodging:** Lodging scores were based on the average erectness of the main stem of plants at maturity. 1 = all plants erect, 2 = slight lodging, 3 = plants lodged at 45° angle, 4 = severe lodging, 5 = all plants flat.

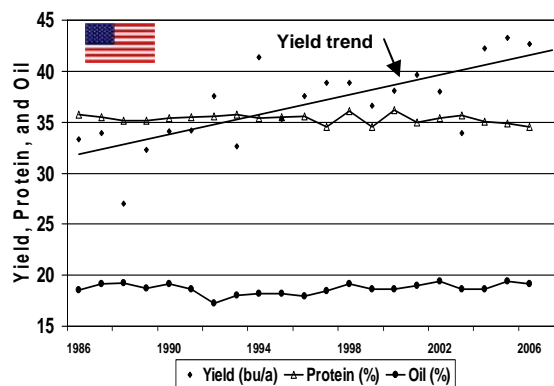
**Maturity:** An entry was considered mature when at least 90 percent of the pods had turned their mature color. Seven to ten days of drying weather are generally required before soybeans are ready to combine. Variety performance is presented by originator/brand, and then from earliest to latest based on the relative maturity of the variety.

### **Protein and Oil**

Seed samples from all varieties grown in all locations were collected and analyzed using a near infrared transmittance (NIRT) grain analyzer to determine grain composition. Our goal in providing this information is to increase soybean value transparency so producers can consider the protein and oil content of varieties planted as well as the yield. In 2006, soybeans grown across the US averaged 34.5% protein and 19.2% oil. ([www.unitedsoybean.org](http://www.unitedsoybean.org)). Wisconsin grown soybean quality is very similar

to US averages. The factor that influences protein the most that is under control of a producer is variety selection. Data from the Wisconsin Soybean Variety Tests shows that proper variety selection can yield 200 more pounds per acre of protein and oil without compromising grain yield.

**Summary of Yield and Quality Data for US Soybeans**



### **Phytophthora Root Rot**

There are many races of Phytophthora. Resistance genes are incorporated into varieties (see Tables 10 and 11) to provide complete or partial resistance to this fungus are as follows:

Gene	Races
Rps1-a	1, 2, 10, 11, 13-18, 24
Rps1-b	1, 3-9, 13-15, 17, 18, 21, 22
Rps1-c	1-3, 6-11, 13, 15, 17, 21, 23, 24
Rps1-k	1-11, 13-15, 17, 18, 22, 24
Rps3	1-5, 8, 9, 11, 13, 14, 16, 18, 23, 25
Rps4	1-4, 10, 12, 16, 18-21, 25
Rps6	1-4, 10, 12, 14-16, 18-21, 25

Even though there are many races of Phytophthora, races that defeat the Rps1 and Rps1c resistance genes are the most prevalent in Wisconsin. Resistance genes (Rps) are bred into varieties and provide complete resistance to specific races of Phytophthora. Race 3 is the

predominant form of Phytophthora in Wisconsin soils. Thus, the long-used Rps1-a gene is not providing protection 95% of the time. Race 4 occurs in 25% of Wisconsin soybean fields. Growers have an excellent chance of controlling race 3 by planting varieties with the Rps1-c or Rps1-k gene. The Rps1-k gene provides complete resistance against most races of Phytophthora found in Wisconsin. That being said, race 25 has been found here in Wisconsin and the Rps 1-k gene does not protect against that race. Many varieties express tolerance (partial resistance) to all races of Phytophthora, but varieties with this form of resistance are vulnerable in the early seedling phase of Phytophthora. Certain fungicides applied to seed can provide a window of protection to tolerant varieties during emergence. Variety tolerance ratings are not reported and can be supplied by seed industry representatives.

The information shown in Table 16 is based on information supplied by public breeders or companies that are releasing or marketing the variety.

### **White Mold (Sclerotinia)**

Sclerotinia infects stems at flowering, but symptoms are delayed until early pod formation and plant death is evident as the crop progresses towards maturity. Sclerotinia causes white mold throughout Wisconsin. White mold was not a widespread serious problem in 2007, but was present in scattered areas of the state. The reaction of soybean varieties to the white mold pathogen is expressed as plant mortality and grain yield in the presence of high white mold pressure. Varieties that express 25% or less plant mortality generally yield well in the presence of white

mold. Results of the trial are presented in Tables 10, 11, and 12.

### **Emerging Soybean Diseases**

Sudden death syndrome (SDS) and stem canker (SC) were observed in 2007. The incidence and severity of SDS and SC were higher than in previous years. Both diseases are caused by fungi, but have different symptoms and symptom patterns. SDS is frequently associated with the soybean cyst nematode. Leaves suddenly die during early pod development and fall from plants. Symptoms of SC appear during mid pod development and leaves wilt and die but stay attached to plants. Brown lesions appear on stems in the lower quarter of the plant. Leaf symptoms may resemble white mold but the white cottony mold will not be observed nor will the black sclerotia of the white mold pathogen. Crop rotation appears to be the best control at this time. Information is not available on soybean varieties and their resistance to SDS and SC.

### **Soybean Rust**

Asian Soybean Rust was not confirmed in Wisconsin in 2007. Soybean rust developed in the southeastern US and has been identified as far west as in eastern Texas on kudzu and as far north as Iowa, Illinois, Indiana, and Ontario Canada. It is not known whether soybean rust will infect Wisconsin grown soybeans in 2008. Consequently, growers might wonder about soybean variety options for 2008. Unfortunately, despite intensive screening by USDA in the last few years, none of the soybean varieties currently grown in the US

are completely resistant to soybean rust. Spores of the soybean rust pathogen will have to be reintroduced each year from southern sources in order for rust to develop. Thus, crop rotation will also not be a management option.

### **Soybean Cyst Nematode (SCN)**

The SCN has gained significant importance as a yield-limiting pathogen in Wisconsin. A major concern is that growers are not aware of its presence on their farms. The SCN can cause severe stunting and chlorosis of soybean plants, but these symptoms are not common. SCN can cause major yield loss without obvious symptoms. The most common symptom caused by SCN is a yield decline over years even though top crop management practices are in place. Significant advances have been made to improve varieties for resistance to SCN. Results of the 2007 SCN variety trial are presented in Table 9. Yield performance in the presence of SCN is an excellent means to select varieties for SCN infested fields. Many SCN resistant varieties also express resistance to brown stem rot. Watch for white mold when SCN resistant varieties are planted for the first time in SCN infested fields. SCN can suppress dense crop canopies required for white mold to develop.

### **Soybean Viruses and Insects**

Soybean aphid populations were variable in Wisconsin, but overall the soybean aphid was not a significant yield-limiting problem in 2007. The bean leaf beetle was observed in low numbers in the southern counties. Soybean growers and

agronomic advisors need to carefully monitor early season bean leaf beetle populations in 2008. Plants infected by viruses commonly produce discolored seed, which is another symptom to use in assessing the virus situation in a specific field. Late season bean leaf beetles cause extensive feeding injury to pods, thus combining with BPMV to reduce seed yield and quality. Evidence is increasing that soybean varieties differ in the ability to yield in the presence of insects and associated viruses.

### **What the Results Mean**

The performance of a variety may vary from year to year, even at the same location. Multiple tests over two or more years more accurately indicate the variety performance. When selecting a variety consider maturity, herbicide tolerance, disease resistance, and grain composition in addition to yield.

Small differences in yield may not be significant. The yield of any two entries may differ because of chance factors (such as differences in fertility, moisture availability and diseases) even though the two entries do not have inherently different yielding abilities. As an aid in determining true differences in yield, the Least Significant Difference (LSD) statistic is used. If the difference between varieties is greater than the tabulated LSD value, then the entries are said to be "significantly different." The probability of a mean difference being greater than the LSD by chance is 1 out of 10 for the 0.10 LSD value.

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**This publication is available** from your Wisconsin county Extension office and from the Department of Agronomy, 1575 Linden Dr., Madison, Wisconsin 53706. Phone (608) 262-1390. The Wisconsin Soybean Variety Test results can also be viewed at and downloaded from the UW Soybean Program website at <http://soybean.uwex.edu> . The UW Soybean Program website was recently updated and offer data sorting and customized display capability for ease of view, print, and download. Further disease information can also be obtained on the soybean plant health web site at <http://www.plantpath.wisc.edu/soyhealth/index.htm>.

**Wisconsin Crop Improvement Association** provides financial support for the Wisconsin soybean variety tests. <http://www.wisc.edu/wcia>

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**A3654 2007 Wisconsin Soybean Variety Test results**

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**TABLE 1. GENERAL INFORMATION ON THE 2007 SOYBEAN TESTS**

Location	Cooperators	Row Spacing	Soil Type	Soil Tests <sup>1</sup>			Pesticide Program <sup>2</sup>		Planting Date	Harvest Date	Trial	Average Yield		
							Conventional Trials (Conv.)	Roundup Trial (RR)				2007	2006	06-07
Arlington Variety Trial	B. Stangel J Gaska	15"	Silt loam	pH: 7.2 P: 87	OM: 4.2 K: 229	PPI: Dul, Pur Post: None	Dul, Pur None	3-May	23-Oct	Conv. RR	64 68	75 75	70 72	
Arlington Late White Mold VT	B. Stangel J Gaska	7.5"	Silt loam Irrigated	pH: 6.6 P: 61	OM: 3.0 K: 233	PPI: Dul, Pur Post: Har, Asr	Dul, Pur Rnd	3-May	9-Oct		72	66	69	
Chippewa Falls Variety Trial	J. Clark	15"	Silt loam	pH: 5.9 P: 25	OM: 2.3 K: 70	Pre: None Post: Pur, Har. Asr	None Rnd	11-May	13-Oct	Conv. RR	15 18	38 38	27 28	
Fond du Lac Variety Trial	E. Montsma M. Rankin	15"	Silt loam	pH: 7.0 P: 14	OM: 6.0 K: 96	Pre: None Post: Pur, Har	None Rnd	11-May	24-Oct	Conv. RR	54 63	57 57	56 60	
Galesville Variety Trial	K. Congdon J. Zander	15"	Silt loam	pH: 5.6 P: 21	OM: 3.8 K: 156	PPI: None Post: Pur, Har. Asr	None Rnd	7-May	25-Oct	Conv. RR	61 65	65 66	63 66	
East Troy SCN Variety Trial	B. David	30"	Sandy Loam	pH: 4.9 P: 80	OM: 1.8 K: 220	Pre: Dul, Frft Post: Har	Dul, Frft Post: Har	14-May	12-Oct	Conv. RR	60	55	58	
Hancock Variety Trial	J. Breuer, J. Rasmussen	15"	Sand Irrigated	pH: 6.4 P: 53	OM: 1.0 K: 71	Pre: Frft Post: Pst	Frft Pst	10-May	23-Oct	Conv. RR	62 68	74 74	68 71	
Janesville Variety Trial	J. Stute	15"	Silt loam	pH: 7.3 P: 104	OM: 3.5 K: 288	Pre: Frft Post: Har, Asr	None Rnd, Asr	3-May	10-Oct	Conv. RR	58 67	67 67	63 67	
Lancaster Variety Trial	T. Wood	15"	Silt loam	pH: 7.6 P: 46	OM: 2.5 K: 112	PPI: Pur, Prw, Snc Post: Asr, Har, Frft	Pur, Prw, Snc Rnd	4-May	11-Oct	Conv. RR	65 70	62 62	64 66	
Marshfield Variety Trial	M. Bertram	15"	Silt loam	pH: 6.5 P: 33	OM: 3.6 K: 76	PPI: Frft, Otlk Post: None	Frft, Otlk None	15-May	29-Oct	Conv. RR	34 43	53 53	44 48	
Marshfield Early & Mid White Mold VT	M. Bertram	7.5"	Silt loam	pH: 6.9 P: 48	OM: 2.8 K: 151	PPI: Frft, Otlk Post: None	Frft, Otlk None	15-May	29-Oct	Early Mid	48 54	56 59	52 57	
Seymour Variety Trial	M. Maass K. Jarek	15"	Clay loam	pH: 7.4 P: 13	OM: 2.6 K: 57	Pre: None Post: Har, Frft, Asr	None Rnd	9-May	25-Oct	Conv. RR	43 52	50 50	47 51	
Spooner Dry Land VT	P. Holman	7"	Silt Loam	pH: 6.5 P: 30	OM: 2.1 K: 113	Pre: None Post: Rptr, Slt	None Rptr, Slt	16-May	29-Oct	Conv. RR	13 13	24 24	19 19	
Spooner Irrigated VT	P. Holman	7"	Sandy Loam	pH: 6.0 P: 100	OM: 1.4 K: 140	PPI: Trust Post: Rptr,Slt	Trust Rptr, Slt	15-May	25-Oct	Conv. RR	44 48	42 42	43 45	
Sturgeon Bay Variety Trial	D. Weidman	15"	Silt Loam	pH: 6.6 P: 49	OM: 3.9 K: 114	Pre: None Post: Har, Frft, Asr	None Rnd	9-May	25-Oct	Conv. RR	17 26	48 48	33 37	

<sup>1</sup> OM = Organic Matter in %; P= ppm of Phosphorus and K = ppm of Potassium.

<sup>2</sup> Pesticide Abbreviations: CN= Conventional, RR= Tolerance to glyphosate herbicide, Asr= Assure, Bas= Basagran, Cin= Cinch, Dul= Dual II Magnum, Frft= Firstrate, Har= Harmony, Otlk= Outlook, Pst=Poast Plus, Pur= Pursuit, Prw= Prowl, Rptr= Raptor, Rnd= Roundup, Snc= Sencor. Slt= Select.

**TABLE 2. SOUTHERN REGION ROUNDUP READY SOYBEAN TEST (Page 1 of 3)**

Performance Commercial Entries at Three Southern Wisconsin Locations.

ARL=ARLINGTON, JAN=JANESVILLE, LAN=LANCASTER

Originator/Brand	Entry	Maturity Group	2007 3-Test Average						2007			2006 4-Test Average					7-Test	
			Yield	Lodging	Maturity	Protein	Oil	Protein plus Oil	ARL Yield	JAN Yield	LAN Yield	Yield	Lodging	Maturity	Protein	Oil	Protein plus Oil	Ave. Yield
			bu/A	1-5	date	%	%	lb/A	bu/A	bu/A	bu/A	bu/A	1-5	date	%	%	lb/A	bu/A
Asgrow	AG 2002	2.0	67	2.0	19-Sep	34.8	19.4	2177	68	68	64							
Asgrow	AG 2204	2.2	69	1.6	16-Sep	35.1	19.4	2268	69	* 72	67	* 73	2.6	23-Sep	35.7	18.7	2374	71
Asgrow	AG 2403	2.4	67	1.0	20-Sep	34.6	20.0	2178	65	65	70	* 72	1.8	25-Sep	34.7	19.4	2344	70
Asgrow	AG 2406	2.4	68	1.3	18-Sep	35.2	19.7	2256	68	67	70	69	1.9	26-Sep	35.4	18.8	2259	69
Asgrow	AG 2606	2.6	67	1.3	25-Sep	36.8	17.7	2183	69	65	66							
Asgrow	AG 2802	2.8	* 71	2.3	29-Sep	34.0	19.9	2286	64	65	* 83							
Brunner	BR-2401 RR	2.4	69	1.7	21-Sep	34.8	19.5	2232	* 74	64	68	* 73	2.4	26-Sep	35.2	18.7	2355	71
Brunner	BR-2406 RR	2.2	64	2.2	20-Sep	35.4	19.1	2106	66	64	63	64	2.6	27-Sep	34.5	18.6	2041	65
Croplan	RT 2327	2.3	66	1.3	16-Sep	34.3	19.6	2120	67	64	66							
Croplan	RT 2092	2.0	* 70	1.1	18-Sep	34.5	19.7	2256	69	* 73	67	64	2.3	25-Sep	34.0	19.1	2001	68
Croplan	RT 2127	2.1	68	1.1	20-Sep	34.5	19.5	2184	68	70	65	* 73	2.1	21-Sep	34.2	19.2	2332	* 72
Croplan	RT 2292	2.2	* 70	1.3	18-Sep	34.1	19.7	2251	* 74	71	64	* 73	1.9	25-Sep	34.0	19.4	2338	* 72
Croplan	RT 2547	2.5	* 73	1.3	27-Sep	33.1	20.3	2331	72	66	* 80							
Croplan	RT 2678	2.6	68	1.3	27-Sep	34.3	19.5	2201	64	67	73	68	2.2	30-Sep	34.6	18.1	2136	69
Dairyland	DSR-2200/RR	2.2	* 70	1.6	20-Sep	34.8	19.6	2278	70	70	70	69	3.0	23-Sep	34.7	19.3	2223	70
Dairyland	DSR-2300/RR	2.3	67	2.0	26-Sep	34.4	19.6	2189	66	65	71	* 72	2.3	28-Sep	34.4	18.5	2267	70
Dairyland	DSR-234/RR	2.3	69	1.7	17-Sep	34.9	19.4	2255	72	66	69	* 73	2.1	28-Sep	35.1	18.5	2363	* 72
Dyna-Gro	31D20	2.0	68	2.7	14-Sep	35.1	19.5	2212	72	67	64	* 74	2.6	22-Sep	34.6	19.3	2390	* 72
Dyna-Gro	36C28	2.8	68	1.0	27-Sep	34.2	19.3	2191	70	58	* 77							
Dyna-Gro	37Y21	2.1	* 72	1.1	17-Sep	34.5	19.9	2353	71	71	74							
Farm Advantage	7254 N	2.5	63	1.4	25-Sep	34.9	18.8	2043	63	60	67							
Farm Advantage	7273 N	2.7	65	2.1	30-Sep	34.4	19.6	2111	71	57	67							
FS HiSOY	HS 1965	1.9	63	1.7	20-Sep	34.5	19.1	2020	57	67	65							
FS HiSOY	HS 2166	2.1	* 71	2.8	16-Sep	35.4	19.4	2331	70	* 75	67							
FS HiSOY	HS 2345	2.3	* 74	1.6	18-Sep	34.9	19.5	2411	* 79	67	75	* 73	2.5	27-Sep	35.3	18.5	2367	* 74
FS HiSOY	HS 2555	2.5	* 71	1.6	21-Sep	34.9	19.4	2306	* 73	67	72	* 73	2.1	30-Sep	35.6	18.1	2334	* 72
FS HiSOY	HS 2766	2.7	69	2.1	27-Sep	34.4	19.8	2252	70	63	75							
FS HiSOY	HS 22R70	2.2	* 71	1.7	18-Sep	33.8	20.0	2302	* 75	69	70							
FS HiSOY	R07-25 (Exp)	2.5	66	1.2	25-Sep	34.7	18.8	2125	63	64	71							
FS HiSOY	R07-27 (Exp)	2.7	63	2.5	25-Sep	35.1	18.7	2053	63	59	68							
Gold Country	9822 RR	2.2	67	1.7	23-Sep	34.9	19.6	2193	70	63	68							
Hughes	211	2.1	* 70	1.2	17-Sep	34.4	20.0	2287	72	68	70							
Hughes	327	2.3	* 72	1.8	23-Sep	35.1	19.4	2345	70	* 72	73							
Hughes	405	2.4	* 74	1.8	18-Sep	35.0	19.3	2402	* 76	71	74	* 73	2.6	27-Sep	35.3	18.5	2357	* 73
Hughes	555	2.5	* 76	2.3	22-Sep	35.6	18.9	2493	* 75	* 79	75							
Hughes	796	2.7	* 70	3.2	30-Sep	33.9	19.7	2205	65	69	75	62	2.9	5-Oct	33.4	18.3	1924	67
Hughes	847	2.8	* 72	1.1	29-Sep	35.2	18.8	2320	70	68	* 77	67	1.6	3-Oct	34.9	17.9	2135	71
Kaltenberg	KB 249RR	2.4	* 70	1.8	22-Sep	35.2	19.0	2285	72	65	73							
Kaltenberg	KB 247RR	2.4	66	1.6	22-Sep	34.4	19.8	2145	72	59	67	70	2.3	27-Sep	34.3	19.1	2226	69
Kaltenberg	KB 248RR	2.4	* 70	2.5	22-Sep	34.9	19.3	2263	71	65	73	69	2.8	29-Sep	34.8	18.5	2216	70

Continued

**TABLE 2. SOUTHERN REGION ROUNDUP READY SOYBEAN TEST (Page 2 of 3)**

Performance Commercial Entries at Three Southern Wisconsin Locations.

ARL=ARLINGTON, JAN=JANESVILLE, LAN=LANCASTER

Originator/Brand	Entry	Maturity Group	2007 3-Test Average							2007			2006 4-Test Average					7 -Test
			Yield	Lodging	Maturity	Protein	Oil	Protein plus Oil	ARL Yield	JAN Yield	LAN Yield	Yield	Lodging	Maturity	Protein	Oil	Protein plus Oil	Ave. Yield
			bu/A	1-5	date	%	%	lb/A	bu/A	bu/A	bu/A	bu/A	1-5	date	%	%	lb/A	bu/A
Kaltenberg	KB 258RR	2.5	65	1.3	22-Sep	34.7	19.5	2131	68	59	69	* 73	2.2	2-Oct	35.5	18.1	2345	71
Kaltenberg	KB 268RR	2.6	68	1.5	1-Oct	35.1	19.4	2209	68	61	74							
Kruger	K-100RR	1.0	60	1.0	5-Sep	34.9	19.5	1972	64	55	62	68	1.8	15-Sep	35.2	19.5	2213	65
Kruger	K-120RR	1.2	64	1.2	5-Sep	34.5	18.5	2023	67	63	61	64	1.8	12-Sep	34.5	18.5	2036	64
Kruger	K-140RR	1.5	61	1.0	6-Sep	34.4	19.6	1968	61	61	60							
Kruger	K-194RR	1.9	65	1.6	22-Sep	34.6	19.1	2100	55	70	71	71	2.0	25-Sep	33.8	18.9	2249	69
Kruger	K-195+RR/SCN	1.9	69	1.3	15-Sep	34.8	19.9	2276	70	70	67	69	1.9	21-Sep	34.0	19.9	2224	69
Kruger	K-201RR/SCN	2.0	67	2.4	15-Sep	35.2	19.5	2221	70	68	64	71	2.6	22-Sep	34.5	19.3	2283	70
Kruger	K-222RR/SCN	2.2	62	1.0	24-Sep	36.3	18.6	2037	61	65	59	* 72	2.0	26-Sep	35.7	18.2	2336	67
Kruger	K-234RR	2.4	62	3.2	13-Sep	35.1	19.1	2020	68	58	60	71	3.0	23-Sep	34.7	18.9	2297	67
Kruger	K-256RR	2.5	66	2.3	23-Sep	35.1	19.0	2154	61	65	73							
Kruger	K-259RR	2.6	* 70	1.1	27-Sep	34.3	19.5	2249	67	67	75	69	2.2	2-Oct	34.2	18.1	2176	70
Kruger	K-142RR	1.4	62	1.0	6-Sep	34.5	19.6	2026	70	62	55							
Kruger	K-147RR/SCN	1.4	62	1.3	5-Sep	35.1	19.6	2045	65	67	55							
Kruger	K-163RR	1.6	69	1.5	12-Sep	35.1	19.1	2236	72	71	63							
Kruger	K-167RR/SCN	1.6	67	1.1	9-Sep	34.5	20.0	2191	68	67	65							
Kruger	K-170RR/SCN	1.7	67	2.5	19-Sep	36.2	19.0	2217	64	68	69							
Kruger	K-204RR/SCN	2.0	69	1.3	18-Sep	33.9	20.1	2241	72	69	66							
Kruger	K-228RR/SCN	2.2	* 72	1.9	19-Sep	34.0	19.9	2329	* 73	* 72	72							
Kruger	K-239/RR	2.3	* 71	1.8	22-Sep	34.9	19.6	2302	67	68	* 77							
Kruger	K-248RR/SCN	2.5	* 73	1.9	21-Sep	34.9	19.5	2376	* 74	* 74	70							
Kruger	K-251RR/SCN	2.5	66	1.2	26-Sep	34.6	18.9	2122	66	56	* 76							
Kruger	K-271RR	2.7	* 70	1.7	28-Sep	35.0	19.5	2284	69	65	* 76							
Kruger	K-278RR/SCN	2.7	63	2.7	23-Sep	35.0	18.7	2032	64	56	68							
Kruger	K-283RR/SCN	2.8	69	1.3	26-Sep	34.3	19.3	2211	67	64	75							
Kruger	K-297RR/SCN	2.9	68	1.3	28-Sep	34.6	18.7	2171	65	65	74							
Latham	L 2337 R	2.3	65	1.9	27-Sep	34.3	19.7	2116	64	65	66							
Latham	L 2500 R	2.5	67	1.4	22-Sep	34.6	19.6	2180	71	61	68	* 75	2.0	1-Oct	35.5	18.2	2402	* 72
Latham	L 2646 R	2.6	69	1.9	29-Sep	34.3	19.2	2212	66	68	73	71	2.6	1-Oct	33.8	18.3	2225	71
NK Brand	S21-N6	2.1	* 73	1.8	19-Sep	33.9	20.1	2363	71	* 77	71	* 76	1.9	22-Sep	33.4	19.9	2436	* 76
NK Brand	S21-V9	2.1	69	2.8	15-Sep	34.6	19.4	2229	* 73	67	67							
NK Brand	S23-H2	2.3	67	1.8	23-Sep	34.1	19.8	2183	66	64	72	70	2.3	27-Sep	34.1	18.9	2226	69
NK Brand	S24-J1	2.4	* 71	2.3	27-Sep	35.7	19.1	2333	71	* 72	70							
NK Brand	S25-B9	2.5	* 71	1.1	22-Sep	34.2	19.9	2291	71	71	70	* 72	1.5	27-Sep	34.4	19.2	2304	71
NK Brand	S27-L4	2.7	* 70	1.0	24-Sep	34.5	19.5	2282	71	71	69	* 77	2.0	29-Sep	34.3	18.8	2479	* 74
NK Brand	S28-B4	2.8	* 72	2.6	25-Sep	33.9	19.4	2290	* 74	* 72	69							
NK Brand	S28-G1	2.8	69	1.3	26-Sep	34.0	19.8	2229	67	67	73							
NuTech	NT-2220RR	2.2	69	2.2	23-Sep	35.0	19.0	2231	65	* 72	70							
NuTech	NT-2324+RR/SCN	2.3	69	1.2	22-Sep	34.9	19.8	2257	66	68	72							
NuTech	NT-2660RR/SCN	2.6	* 70	1.3	21-Sep	34.2	19.5	2252	63	* 72	74							

Continued

**TABLE 2. SOUTHERN REGION ROUNDUP READY SOYBEAN TEST (Page 3 of 3)**

Performance Commercial Entries at Three Southern Wisconsin Locations.  
 ARL=ARLINGTON, JAN=JANESVILLE, LAN=LANCASTER

Originator/Brand	Entry	Maturity Group	2007 3-Test Average						2007			2006 4-Test Average						7 -Test
			Yield	Lodging	Maturity	Protein	Oil	Protein plus Oil	ARL Yield	JAN Yield	LAN Yield	Yield	Lodging	Maturity	Protein	Oil	Protein plus Oil	Ave. Yield
			bu/A	1-5	date	%	%	lb/A	bu/A	bu/A	bu/A	bu/A	1-5	date	%	%	lb/A	bu/A
NuTech	NT-6211	2.1	* 70	1.0	25-Sep	35.1	19.4	2271	68	70	71							
NuTech	NT-6242	2.4	* 70	1.9	21-Sep	34.3	20.0	2271	69	67	73							
NuTech	NT-6253	2.5	* 70	1.7	21-Sep	35.0	19.4	2279	* 74	67	68							
NuTech	NT-6255	2.5	68	1.4	29-Sep	34.7	19.2	2197	53	* 73	* 78							
NuTech	NT-6281	2.8	* 71	2.3	22-Sep	35.0	19.6	2343	70	66	* 78							
NuTech	NT-7205+RR	1.9	67	1.1	19-Sep	34.4	19.4	2147	64	* 73	63							
NuTech	NT-7234RR	2.3	68	1.1	15-Sep	34.2	19.8	2193	72	68	63							
NuTech	NT-7252	2.5	67	1.3	24-Sep	35.2	18.7	2167	63	69	69							
NuTech	NT-7293	2.9	66	1.1	30-Sep	34.9	18.4	2125	65	62	72							
O'Brien	O'Soy 182 RR	1.8	* 70	2.8	16-Sep	34.8	19.7	2281	63	* 72	74							
O'Brien	O'Soy 199 RR	1.9	* 72	2.0	19-Sep	35.1	19.4	2366	* 75	* 74	68							
O'Brien	O'Soy 200 RRHO	2.0	59	1.9	16-Sep	33.5	20.3	1910	60	56	61	65	2.7	19-Sep	33.2	20.1	2089	63
Pioneer Brand	92M32	2.3	68	1.3	19-Sep	34.2	19.5	2185	69	68	66	* 73	1.9	25-Sep	33.9	19.4	2332	71
Pioneer Brand	92M40	2.4	* 70	1.0	17-Sep	35.1	19.2	2287	* 75	68	68	* 76	2.0	27-Sep	34.8	18.8	2449	* 74
Pioneer Brand	92M91	2.9	69	1.3	28-Sep	33.7	20.6	2235	67	65	74	* 77	2.3	2-Oct	33.0	19.7	2431	* 73
Prairie Brand	PB-2147RR	2.1	65	1.1	24-Sep	35.0	19.3	2121	* 73	55	68							
Prairie Brand	PB-2243RR	2.2	62	1.0	16-Sep	34.2	19.7	2010	65	64	58							
Prairie Brand	PB-2396RR	2.3	67	1.8	24-Sep	35.1	19.4	2182	68	67	65							
Prairie Brand	PB-2443RR	2.4	* 71	2.3	19-Sep	35.0	19.3	2296	* 78	66	68	* 75	2.2	28-Sep	35.4	18.4	2404	* 74
Prairie Brand	PB-2536RR	2.5	69	2.4	28-Sep	34.4	19.3	2225	66	66	* 76	71	2.8	2-Oct	34.1	18.3	2220	71
Renk	RS 247NRR	2.4	69	1.0	17-Sep	34.6	20.0	2269	66	67	75							
Renk	RS 265RR	2.6	* 71	2.5	23-Sep	35.2	19.3	2325	72	70	72	67	3.0	2-Oct	35.0	18.5	2150	71
Renk	RS 277NRR	2.7	* 73	1.0	28-Sep	33.9	19.1	2299	* 73	68	* 78							
Trelay	2233	2.3	* 71	1.3	22-Sep	34.8	19.5	2308	71	* 73	69							
Trelay	2251	2.5	68	1.3	27-Sep	34.8	18.8	2192	67	66	72							
Trelay	2276	2.7	* 72	1.6	28-Sep	35.3	19.4	2366	72	70	74							
Trelay	2299	2.9	66	1.2	29-Sep	34.8	18.4	2116	66	60	73							
Mean			68	1.6	21-Sep	34.7	19.4	2214	68	67	70	68	2.4	26-Sep	35.0	18.7	2191	70
LSD(0.10)			6	0.5	3	0.4	0.3	149	6	7	7	5	0.6	2	0.6	0.3	166	4

\* Yields preceded by a '\*' are not significantly different (0.10 level) than the highest yielding cultivar.

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

**TABLE 3. SOUTHERN REGION CONVENTIONAL SOYBEAN TEST**

Performance of Public and Commercial Entries at Three Southern Wisconsin Locations.

ARL=ARLINGTON, JAN=JANESVILLE, LAN=LANCASTER

Originator/Brand	Entry	Maturity Group	Herb. Toler.	2007 3-Test Average						2007			2006 3-Test Average						6 -Test	
				Yield	Lodging	Maturity	Protein	Oil	Protein	ARL	JAN	LAN	Yield	Lodging	Maturity	Protein	Oil	Protein	Ave.	
				bu/A	1-5	date	%	%	lb/A	bu/A	bu/A	bu/A	bu/A	1-5	date	%	%	lb/A	bu/A	
Public	MN 1401	1.4	CN	66	2.9	19-Sep	36.3	19.0	2179	* 72	62	64								
Public	IA1006	1.6	CN	62	4.3	16-Sep	35.5	19.1	2017	65	57	63	63	3.3	21-Sep	34.2	18.8	1984		62
Public	MN 1607	1.6	CN	55	3.2	18-Sep	37.3	18.8	1850	59	50	56	62	2.9	19-Sep	36.7	18.9	2064		59
Public	IA1010	1.9	CN	62	2.0	25-Sep	36.1	18.7	2034	67	53	66	60	2.1	23-Sep	35.8	18.0	1940		61
Public	HP 204	2.0	CN	53	3.8	25-Sep	37.7	18.3	1781	59	50	51	56	3.6	26-Sep	37.3	18.0	1842		55
Public	IA 1008	2.0	CN	61	2.6	28-Sep	35.1	18.8	1965	60	57	66	58	2.5	24-Sep	34.5	18.5	1845		60
Public	IA 2042	2.0	CN	59	4.1	24-Sep	37.8	18.1	1974	59	53	65								
Public	IA 2053	2.0	CN	60	3.3	22-Sep	37.9	18.1	2028	63	54	64	63	3.4	29-Sep	38.1	17.2	2087		62
Public	Vinton 81	2.0	CN	48	4.0	25-Sep	38.1	18.1	1632	52	45	48	52	3.7	27-Sep	37.5	17.7	1728		50
Public	IA 2068	2.1	CN	63	2.6	23-Sep	34.3	19.1	2026	65	58	66								
Public	IA 2076	2.3	CN	* 70	3.5	23-Sep	35.8	19.1	2311	* 75	63	* 72	* 72	3.1	23-Sep	35.6	18.9	2335		* 71
Public	IA 2067	2.4	CN	63	2.5	25-Sep	37.9	18.3	2140	63	62	65	58	3.0	28-Sep	38.7	17.8	1983		61
Public	W04-668	2.4	CN	57	3.0	28-Sep	36.6	18.8	1887	55	52	64								
Public	W05-573	2.4	CN	56	3.4	26-Sep	36.6	18.9	1871	56	56	57								
Public	W05-680	2.5	CN	63	1.7	22-Sep	35.7	18.6	2055	62	60	67								
Public	W05-701	2.6	CN	64	1.7	27-Sep	36.0	18.3	2069	58	62	71								
Asgrow	AG 2221V	2.2	RR	56	2.5	26-Sep	35.8	19.6	1868	61	50	58								
Asgrow	AG 2422V	2.4	RR	63	1.3	27-Sep	35.5	19.1	2077	* 69	50	71								
Blue River	21YP7	2.1	CN	61	1.6	25-Sep	38.0	18.6	2063	62	52	68	58	1.8	30-Sep	38.1	18.2	1960		59
Blue River	2A12	2.1	CN	* 68	3.1	19-Sep	36.2	18.7	2231	* 72	63	68	71	2.8	23-Sep	36.4	17.9	2302		* 69
Blue River	24A7C	2.4	CN	63	3.4	21-Sep	35.8	19.1	2073	63	59	67								
Blue River	24F8	2.4	CN	61	1.8	28-Sep	36.6	18.7	2017	64	56	63								
Blue River	25YP6	2.5	CN	57	2.8	28-Sep	35.5	18.9	1869	60	49	63								
Blue River	2A71	2.7	CN	65	2.2	30-Sep	36.1	18.5	2118	* 69	59	66								
Dairyland	DSR-218	2.1	CN	64	1.1	22-Sep	34.9	19.8	2104	* 68	60	64	69	1.7	28-Sep	35.1	19.1	2248		* 67
Dairyland	DSR-22/STS-UL Brand	2.2	CN	* 73	2.4	22-Sep	35.9	18.7	2411	* 71	* 77	* 72	67	3.0	29-Sep	34.1	18.5	2104		* 70
NK Brand	S20-F8	2.0	CN	66	2.3	24-Sep	34.9	19.7	2167	67	61	71	66	2.9	22-Sep	33.8	19.2	2102		66
Pattison	7321	2.1	CN	63	2.7	24-Sep	38.4	18.2	2151	63	62	65	62	3.0	28-Sep	38.4	17.9	2107		63
Pattison	7422	2.2	CN	* 68	2.4	25-Sep	35.8	18.8	2212	* 72	62	69								
Pattison	7522	2.2	CN	63	2.8	23-Sep	37.5	18.6	2117	63	59	66								
Pattison	7809	2.2	CN	* 71	2.3	27-Sep	35.6	19.1	2317	62	* 72	* 78								
Pattison	7524	2.4	CN	61	3.2	24-Sep	37.3	18.4	2052	63	60	61								
Pioneer Brand	92M10	2.1	CN	64	1.9	28-Sep	35.7	19.1	2089	67	53	71	71	2.3	28-Sep	34.7	18.6	2264		* 67
Pioneer Brand	92M41	2.4	RR	67	1.2	21-Sep	34.8	19.8	2206	* 69	61	* 72								
Viking	O.1832	1.8	CN	* 69	2.1	24-Sep	34.5	19.8	2256	63	67	* 77	71	2.3	19-Sep	33.4	19.9	2278		* 70
Viking	O.2022	2.0	CN	62	1.5	16-Sep	34.8	19.4	2034	* 70	56	61	69	2.2	20-Sep	33.6	19.8	2212		66
Mean				62	2.6	24-Sep	36.2	18.9	2062	64	58	65	68	2.4	26-Sep	35.0	18.7	2191		63
LSD(0.10)				5	0.6	4.0	0.7	0.3	175	7	8	6	5	0.6	2	0.6	0.3	166		4

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

1 Herb. Toler. ; Herbicide Tolerance : RR= Tolerance to glyphosate herbicide , STS = Tolerance to Sulfonylurea herbicides, CN = Conventional herbicide tolerance.

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

**TABLE 4. CENTRAL REGION ROUNDUP READY SOYBEAN TEST (Page 1 of 3)**

Performance of Commercial Entries at Three Central Wisconsin Locations.

FON = FOND DU LAC, GAL = GALESVILLE, HAN = HANCOCK

Originator/Brand	Entry	Maturity Group	2007 3-Test Average						2007			2006 3-Test Average						6-Test
			Yield	Lodging	Maturity	Protein	Oil	Protein	FON	GAL	HAN	Yield	Lodging	Maturity	Protein	Oil	Protein	Ave.
			bu/A	1-5	date	%	%	lb/A				bu/A	1-5	date	%	%	lb/A	Yield
Asgrow	AG 1403	1.4	* 66	1.3	19-Sep	34.6	18.7	2119	* 65	60	* 73							
Asgrow	AG 1802	1.8	* 68	1.3	17-Sep	34.5	19.7	2210	* 65	66	* 73							
Asgrow	AG 2002	2.0	* 67	1.8	21-Sep	34.8	19.3	2154	61	65	* 74	<b>68</b>	1.7	28-Sep	35.2	18.3	2185	<b>67</b>
Asgrow	AG 2204	2.2	* 70	2.0	20-Sep	35.4	19.1	2277	* 68	* 71	* 70	* 70	1.3	27-Sep	35.7	18.2	2272	* 70
Asgrow	AG 2403	2.4	* 66	1.2	20-Sep	34.6	19.7	2160	63	* 68	* 68							
Asgrow	AG 2406	2.4	<b>61</b>	1.7	23-Sep	35.4	19.6	2025	59	63	61	<b>67</b>	1.6	29-Sep	35.2	18.7	2153	<b>64</b>
Brunner	BR-2006 RRN	2.0	<b>63</b>	1.3	22-Sep	34.2	20.0	2042	61	60	* 68	* 70	1.3	24-Sep	34.3	19.5	2273	<b>67</b>
Brunner	BR-2101 RR	2.1	* 67	1.1	22-Sep	34.0	19.6	2153	* 66	63	* 72	* 73	1.3	27-Sep	34.3	18.8	2322	* 70
Brunner	Exp-2107 RR	2.1	* 69	1.2	22-Sep	34.8	19.4	2249	* 67	* 73	67							
Croplan	RT 1992	1.9	* 68	1.2	19-Sep	34.3	19.7	2188	* 66	64	* 73	* 71	1.7	29-Sep	33.9	19.0	2258	* 69
Croplan	RC 2020	2.0	* 65	1.2	21-Sep	34.6	19.7	2101	* 65	55	* 74	* 73	1.3	27-Sep	34.8	19.2	2363	* 69
Croplan	RT 2092	2.0	* 66	1.1	23-Sep	34.3	19.6	2136	* 66	64	* 68	<b>64</b>	1.4	2-Oct	33.7	18.5	2018	<b>65</b>
Croplan	RT 2127	2.1	* 66	1.3	19-Sep	34.1	19.5	2138	* 69	64	66	* 72	1.3	28-Sep	34.2	18.8	2271	* 69
Croplan	RT 2292	2.2	* 67	1.1	23-Sep	34.0	19.8	2150	63	* 68	* 70	* 70	1.3	29-Sep	34.3	18.8	2220	* 68
Dahlco	X-7160 RR	1.6	* 66	1.2	20-Sep	34.1	20.0	2137	* 65	62	* 71							
Dahlco	5200 RRC	2.0	* 68	1.3	22-Sep	34.6	19.8	2202	* 66	66	* 71	<b>67</b>	1.6	28-Sep	36.0	17.9	2150	<b>67</b>
Dahlco	9213 RR	2.1	* 66	1.2	22-Sep	33.9	19.5	2104	* 65	64	* 69							
Dahlco	4230 RR	2.3	* 67	1.4	22-Sep	34.9	19.2	2162	* 68	* 68	64							
Dairyland	DSR-1701/RR	1.7	<b>64</b>	1.9	22-Sep	35.7	19.1	2093	61	66	64	* 69	1.9	28-Sep	36.3	18.1	2236	<b>66</b>
Dairyland	DSR-1850/RRSTS	1.9	<b>64</b>	1.9	21-Sep	35.6	18.9	2104	59	64	* 70							
Dairyland	DSR-199/RR	1.9	* 65	1.3	23-Sep	35.5	18.9	2106	63	64	67	<b>67</b>	1.6	28-Sep	36.0	17.9	2150	<b>66</b>
Dairyland	DSR-2200/RR	2.2	* 65	1.8	24-Sep	35.1	19.2	2101	60	* 67	67							
Dairyland	DSR-2300/RR	2.3	<b>61</b>	1.9	27-Sep	34.9	18.6	1965	57	* 67	59							
Dyna-Gro	31D20	2.0	* 67	2.2	22-Sep	34.9	19.5	2202	61	* 68	* 73	<b>68</b>	2.0	28-Sep	35.4	18.6	2215	* 68
Dyna-Gro	37Y21	2.1	* 69	1.3	22-Sep	34.5	19.8	2241	63	* 70	* 74							
FS HiSOY	HS 1965	1.9	<b>64</b>	1.9	22-Sep	34.0	19.1	2038	61	* 68	62							
FS HiSOY	HS 2166	2.1	* 67	1.8	22-Sep	35.0	19.4	2167	62	66	* 72							
Gold Country	8716 RR	1.6	* 68	1.0	17-Sep	33.9	19.3	2159	61	* 69	* 73							
Gold Country	2717 NRR	1.7	* 65	1.0	17-Sep	34.2	20.1	2108	58	61	* 75							
Gold Country	9822 RR	2.2	* 68	1.8	25-Sep	35.1	19.3	2207	61	* 72	* 70							
Kaltenberg	KB 177RR	1.7	<b>61</b>	1.1	19-Sep	34.2	20.0	1997	61	54	* 69							
Kaltenberg	KB 187RR	1.8	* 66	1.3	19-Sep	34.1	19.6	2110	59	65	* 73	<b>67</b>	1.4	27-Sep	33.9	18.8	2139	<b>66</b>
Kaltenberg	KB 196RR	1.9	* 68	1.3	22-Sep	34.6	19.6	2214	* 65	* 71	* 69							
Kaltenberg	KB 226RR	2.2	* 67	1.7	23-Sep	35.3	19.0	2178	64	* 71	66							
Kruger	K-056RR	0.6	<b>63</b>	1.1	13-Sep	34.8	19.0	2069	64	57	67							

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**TABLE 4. CENTRAL REGION ROUNDUP READY SOYBEAN TEST (Page 2 of 3)**

Performance of Commercial Entries at Three Central Wisconsin Locations.

FON = FOND DU LAC, GAL = GALESVILLE, HAN = HANCOCK

Originator/Brand	Entry	Maturity Group	2007 3-Test Average						2007			2006 3-Test Average					6-Test	
			Yield	Lodging	Maturity	Protein	Oil	Protein plus Oil	FON	GAL	HAN	Yield	Lodging	Maturity	Protein	Oil	Protein plus Oil	Ave. Yield
			bu/A	1-5	date	%	%	lb/A	----- bu/A -----			bu/A	1-5	date	%	%	lb/A	bu/A
Kruger	K-072+RR	0.8	* 65	1.1	12-Sep	35.4	18.7	2104	62	61	* 71	64	1.2	13-Sep	35.5	18.6	2080	65
Kruger	K-091RR	0.9	62	1.4	12-Sep	34.9	18.6	1977	62	57	66							
Kruger	K-100RR	1.0	61	1.1	14-Sep	34.9	19.2	1975	60	60	62	67	1.0	15-Sep	35.2	19.3	2195	64
Kruger	K-120RR	1.2	64	1.2	14-Sep	34.4	18.3	2037	64	63	66	65	1.4	18-Sep	35.1	18.3	2072	65
Kruger	K-142RR	1.4	64	1.0	15-Sep	34.3	19.6	2087	61	63	* 69							
Kruger	K-147RR/SCN	1.4	62	1.2	14-Sep	35.4	19.1	2019	59	61	65							
Kruger	K-140RR	1.5	64	1.2	14-Sep	34.3	19.4	2053	59	64	* 68							
Kruger	K-163RR	1.6	* 66	1.0	16-Sep	34.5	19.3	2132	* 65	66	67							
Kruger	K-167RR/SCN	1.6	* 66	1.3	15-Sep	34.6	19.7	2138	64	62	* 71							
Kruger	K-170RR/SCN	1.7	64	1.6	20-Sep	36.0	18.8	2105	60	66	66							
Kruger	K-194RR	1.9	62	1.3	21-Sep	34.1	19.1	1992	59	65	63	* 69	1.8	29-Sep	34.0	18.3	2153	66
Kruger	K-195+RR/SCN	1.9	* 68	1.2	21-Sep	34.4	19.8	2211	63	66	* 74	* 73	1.3	25-Sep	34.6	19.4	2360	* 70
Kruger	K-201RR/SCN	2.0	* 69	2.0	22-Sep	35.1	19.2	2247	* 65	* 70	* 73	* 69	1.8	27-Sep	35.3	18.7	2240	* 69
Kruger	K-204RR/SCN	2.0	63	1.3	20-Sep	33.7	20.0	2027	58	62	* 70							
Kruger	K-228RR/SCN	2.2	* 68	1.6	19-Sep	33.8	19.9	2177	* 67	62	* 74							
Kruger	K-239/RR	2.3	64	1.4	21-Sep	35.0	19.2	2073	61	63	67							
Latham	L 1950 R	1.9	63	1.8	21-Sep	34.0	19.0	2005	64	* 68	57	* 70	1.7	28-Sep	34.0	18.3	2180	66
Latham	L 2085 R	2.0	* 67	1.6	19-Sep	34.7	19.4	2187	* 65	65	* 72							
Latham	L 2158 R	2.1	* 66	1.3	21-Sep	34.6	19.6	2145	62	* 71	65							
Latham	E 2246 R	2.2	60	1.6	24-Sep	34.7	18.6	1931	58	65	58							
NK Brand	S17-A1	1.7	64	1.6	14-Sep	35.0	19.3	2089	63	64	66	67	2.3	21-Sep	33.7	18.9	2120	66
NK Brand	S17-P9	1.7	62	1.8	16-Sep	33.8	19.1	1953	62	58	65	68	2.7	22-Sep	33.4	18.9	2159	65
NK Brand	S17-Z7	1.7	63	1.5	17-Sep	34.2	18.8	2024	61	61	* 68							
NK Brand	S21-N6	2.1	* 70	1.4	23-Sep	33.8	19.8	2296	* 65	* 73	* 73	* 73	1.4	29-Sep	34.5	18.9	2334	* 72
NK Brand	S21-V9	2.1	* 69	2.3	19-Sep	35.2	18.9	2220	64	* 68	* 74							
NK Brand	S23-H2	2.3	* 66	1.3	22-Sep	34.0	19.5	2137	* 68	65	66	64	1.8	30-Sep	34.7	18.0	2016	65
NuTech	NT-6166	1.6	* 65	1.2	19-Sep	34.5	19.1	2114	64	65	67							
NuTech	NT-1777RR	1.7	* 66	1.3	19-Sep	34.2	19.3	2123	* 69	63	67							
NuTech	NT-6175	1.7	* 69	1.4	19-Sep	34.4	19.7	2229	* 68	64	* 74							
NuTech	NT-1991	1.9	64	1.6	21-Sep	34.2	19.1	2061	62	* 67	63							
NuTech	NT-7193RR/SCN	1.9	63	1.3	18-Sep	34.7	19.8	2039	62	59	67							
NuTech	NT-7205+RR	1.9	* 69	1.3	19-Sep	33.8	19.7	2212	64	* 68	* 74							
NuTech	NT-6211	2.1	61	1.2	22-Sep	35.0	19.1	1988	* 68	61	55							
NuTech	NT-2220RR	2.2	* 67	2.0	25-Sep	34.7	18.6	2127	61	* 70	* 69							
NuTech	NT-2324+RR/SCN	2.3	* 65	1.0	22-Sep	35.1	19.6	2136	* 66	63	66							

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**TABLE 4. CENTRAL REGION ROUNDUP READY SOYBEAN TEST (Page 3 of 3)**

Performance of Commercial Entries at Three Central Wisconsin Locations.

FON = FOND DU LAC, GAL = GALESVILLE, HAN = HANCOCK

Originator/Brand	Entry	Maturity Group	2007 3-Test Average					2007			2006 3-Test Average					6-Test		
			Yield	Lodging	Maturity	Protein	Oil	Protein plus Oil	FON	GAL	HAN	Yield	Lodging	Maturity	Protein	Oil	Protein plus Oil	Ave. Yield
			bu/A	1-5	date	%	%	lb/A	----- bu/A -----			bu/A	1-5	date	%	%	lb/A	bu/A
NuTech	NT-7234RR	2.3	* 69	1.5	19-Sep	34.1	19.6	2210	* 68	* 68	* 70							
O'Brien	O'Soy 182 RR	1.8	* 66	2.2	21-Sep	34.6	19.4	2130	61	* 69	* 68							
O'Brien	O'Soy 199 RR	1.9	* 68	1.9	21-Sep	35.1	19.1	2223	64	* 70	* 71							
O'Brien	O'Soy 200 RRHO	2.0	62	2.0	18-Sep	32.7	20.5	1986	59	63	65	66	2.0	26-Sep	33.6	19.6	2084	64
Pioneer Brand	92M02	2.0	* 66	1.3	18-Sep	34.6	19.3	2148	63	66	* 70	67	1.1	27-Sep	34.8	18.8	2159	67
Pioneer Brand	92M01	2.0	* 69	2.0	18-Sep	35.9	18.6	2252	62	* 70	* 75	68	2.0	26-Sep	36.5	17.8	2176	* 68
Pioneer Brand	92M32	2.3	* 69	1.3	19-Sep	33.6	19.6	2192	* 65	* 72	* 69	* 71	1.5	29-Sep	34.0	18.7	2255	* 70
Prairie Brand	PB-1607RR	1.6	* 66	1.1	16-Sep	34.5	19.2	2115	64	64	* 69							
Prairie Brand	PB-1725RR	1.7	* 68	1.5	16-Sep	34.2	19.3	2178	60	* 69	* 75	68	1.4	23-Sep	34.2	19.1	2165	* 68
Prairie Brand	PB-2207NRR	2.2	62	1.3	23-Sep	33.5	19.9	1990	59	57	* 69							
Prairie Brand	PB-2443RR	2.4	63	1.6	23-Sep	35.3	19.0	2073	60	64	64							
Renk	RS 147RR	1.4	* 66	1.6	18-Sep	35.6	18.5	2122	63	63	* 71							
Renk	RS 165RR	1.6	* 68	1.0	18-Sep	35.3	18.7	2208	* 70	* 67	67	65	1.0	23-Sep	36.1	18.4	2114	66
Renk	RS 185RR	1.8	* 67	1.5	16-Sep	34.2	19.7	2169	62	* 69	* 71	* 69	1.3	26-Sep	33.8	18.9	2193	* 68
Renk	RS 187NRR	1.8	63	1.1	16-Sep	34.5	19.8	2077	63	57	* 69							
Renk	RS 204NRR	2.0	62	1.1	19-Sep	34.8	19.7	2039	62	60	65	68	1.4	27-Sep	34.8	19.3	2198	65
Renk	RS 217RR	2.1	* 65	1.9	22-Sep	36.3	19.1	2174	59	65	* 72							
Renk	RS 223RR	2.2	* 67	1.0	21-Sep	34.1	19.7	2163	* 67	65	* 69	68	1.5	29-Sep	34.2	18.7	2142	67
Trelay	2166	1.6	* 70	1.1	17-Sep	34.5	19.3	2253	* 71	* 67	* 71							
Trelay	2214	2.1	* 66	1.1	22-Sep	35.0	19.2	2158	* 66	* 68	65							
Trelay	2233	2.3	* 66	1.7	22-Sep	34.9	19.2	2137	62	* 69	66							
MEAN			66	1.4	19-Sep	34.6	19.3	2122	63	65	68	66	1.8	25-Sep	35.2	18.5	2117	67
LSD(0.10)			5	0.5	3	0.4	0.3	149	6	6	7	4	0.6	3	0.7	0.3	130	4

\* Yields preceded by a '\*' are not significantly different (0.10 level) than the highest yielding cultivar.

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

**TABLE 5. CENTRAL REGION CONVENTIONAL SOYBEAN TEST**

Performance of Public and Commercial Entries at Three Central Wisconsin Locations.

FON = FOND DU LAC, GAL = GALESVILLE, HAN = HANCOCK

Originator/Brand	Entry	Maturity Group	Herb. <sup>1</sup> Toler.	2007 3-Test Average						2007			2006 3-Test Average						6-Test
				Yield	Lodging	Maturity	Protein	Oil	Protein plus Oil	FON	GAL	HAN	Yield	Lodging	Maturity	Protein	Oil	Protein plus Oil	Ave. Yield
				bu/A	1-5	date	%	%	lb/A	----- bu/A -----			bu/A	1-5	date	%	%	lb/A	bu/A
Public	MN 1401	1.4	CN	* 65	2.3	17-Sep	36.3	18.7	2144	* 59	61	* 74							
Public	IA1006	1.6	CN	61	3.1	15-Sep	35.2	18.8	1983	* 57	60	67	59	2.3	24-Sep	35.1	18.3	1910	60
Public	MN 1607	1.6	CN	56	2.5	19-Sep	37.1	18.7	1876	49	58	60	59	2.2	24-Sep	37.3	18.2	1953	57
Public	IA1010	1.9	CN	59	2.2	23-Sep	36.2	18.2	1935	56	58	64	58	1.8	23-Sep	35.9	17.3	1856	59
Public	HP 204	2.0	CN	48	3.7	23-Sep	38.0	17.9	1605	51	46	47	54	3.5	28-Sep	37.9	17.4	1791	51
Public	Vinton 81	2.0	CN	47	3.7	23-Sep	38.4	17.4	1560	39	49	52	50	3.0	28-Sep	38.4	16.8	1658	49
Asgrow	AG 2221V	2.2	RR	56	2.4	20-Sep	34.8	19.8	1832	50	60	57							
Asgrow	AG 2422V	2.4	RR	56	1.2	23-Sep	35.2	18.8	1834	49	* 67	53							
Blue River	1F44	1.4	CN	55	2.3	16-Sep	37.8	17.8	1835	50	56	59	53	2.5	19-Sep	38.9	17.5	1788	54
Blue River	16A7	1.6	CN	* 62	2.3	15-Sep	34.7	18.7	1995	* 58	* 66	62	68	1.9	22-Sep	35.1	18.3	2180	* 65
Blue River	1F61	1.6	CN	* 66	1.8	16-Sep	36.2	19.1	2194	* 58	* 69	* 71							
Blue River	21YP7	2.1	CN	57	1.8	23-Sep	38.0	18.3	1927	50	60	61							
Blue River	2A12	2.1	CN	* 62	2.7	22-Sep	36.1	18.3	2033	56	* 67	64							
Dairyland	DSR-218	2.1	CN	* 66	1.4	22-Sep	34.7	19.7	2161	* 58	* 70	* 70	61	1.4	27-Sep	35.3	18.8	1969	* 63
NK Brand	S18-N5	1.8	CN	* 67	1.4	19-Sep	35.8	18.5	2176	* 62	* 70	* 69	65	1.6	23-Sep	35.3	18.2	2092	* 66
NK Brand	S20-F8	2.0	CN	* 67	1.9	19-Sep	35.0	19.4	2167	56	* 70	* 74							
Pattison	7317	1.7	CN	54	2.8	23-Sep	39.1	18.1	1832	47	57	57	57	2.8	26-Sep	38.5	17.8	1944	56
Pattison	7818	1.8	CN	60	3.2	23-Sep	37.4	19.0	2021	55	64	60							
Pioneer Brand	91M10	1.1	CN	61	1.3	11-Sep	35.9	19.0	1993	* 59	59	64	66	1.5	14-Sep	35.7	19.0	2148	* 63
MEAN				59	2.3	19-Sep	36.4	18.6	1953	54	61	62	66	1.8	25-Sep	35.2	18.5	2117	58
LSD(0.10)				5	0.8	4	0.5	0.3	161	5	5	5	4	0.6	3	0.7	0.3	130	4

\* Yields preceded by a '\*' are not significantly different (0.10 level) than the highest yielding cultivar.

<sup>1</sup> Herb. Toler. ; Herbicide Tolerance : RR= Tolerance to glyphosate herbicide , STS = Tolerance to Sulfonylurea herbicides, CN = Conventional herbicide tolerance.

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



**TABLE 6. NORTH-CENTRAL REGION ROUNDUP READY SOYBEAN TEST (Page 2 of 2)**

Performance of Commercial Entries at Three North Central Wisconsin Locations.

CHP=CHIPPEWA FALLS, MAR=MARSHFIELD, SEY=SEYMOUR

Originator/Brand	Entry	Maturity Group	2007 3-Test Average					2007 Yields			2006 3-Test Average					6-Test		
			Yield	Lodging	Maturity	Protein	Oil	Protein plus Oil	CHP	MAR	SEY	Yield	Lodging	Maturity	Protein	Oil	Protein plus Oil	Ave. Yield
			bu/A	1-5	date	%	%	lb/A	-----bu/A-----			bu/A	1-5	date	%	%	lb/A	bu/A
Kruger	K-072+RR	0.8	35	1.0	13-Sep	35.6	19.1	1144	13	40	53	45	1.0	11-Sep	35.5	18.8	1465	40
Kruger	K-091RR	0.9	36	1.2	8-Sep	35.2	19.0	1164	13	41	55							
Kruger	K-100RR	1.0	36	1.0	13-Sep	35.4	19.7	1185	15	42	51	48	1.0	18-Sep	35.0	19.3	1549	42
Kruger	K-120RR	1.2	37	1.0	15-Sep	34.6	18.8	1176	13	* 45	54	45	1.0	19-Sep	34.7	18.5	1431	41
Kruger	K-142RR	1.4	36	1.0	16-Sep	34.6	20.0	1174	18	40	51							
Kruger	K-147RR/SCN	1.4	37	1.1	14-Sep	34.9	19.4	1208	16	42	53							
Kruger	K-140RR	1.5	37	1.0	16-Sep	34.9	19.7	1198	15	42	53							
Kruger	K-163RR	1.6	* 40	1.1	21-Sep	35.1	19.0	1272	16	* 48	55							
Kruger	K-167RR/SCN	1.6	* 41	1.1	21-Sep	34.6	20.0	1373	18	44	* 61							
Kruger	K-170RR/SCN	1.7	* 40	1.0	26-Sep	36.2	18.6	1301	* 25	44	50							
NK Brand	S08-C3	0.8	37	1.1	9-Sep	35.1	18.9	1197	18	43	50	43	1.1	15-Sep	33.7	19.2	1356	40
NK Brand	S11-R6	1.1	* 40	1.4	11-Sep	36.3	18.3	1289	* 21	44	54							
NK Brand	S12-P4	1.2	* 41	1.3	13-Sep	35.1	19.1	1341	19	* 46	* 57	46	1.0	18-Sep	35.1	18.8	1480	* 43
NK Brand	S12-U7	1.2	* 42	1.4	13-Sep	34.5	19.3	1365	* 22	* 48	* 56							
NK Brand	S14-N1	1.4	* 40	1.3	13-Sep	34.0	20.3	1298	* 23	* 45	52							
NK Brand	S17-A1	1.7	* 40	1.1	18-Sep	35.3	19.5	1298	* 24	44	52	* 52	1.2	22-Sep	32.9	18.9	1605	* 46
NK Brand	S17-Z7	1.7	* 40	1.0	17-Sep	34.0	19.3	1282	19	* 50	52							
NuTech	NT-6133	1.3	* 39	1.1	16-Sep	35.4	18.8	1284	* 21	* 46	51							
NuTech	NT-6145	1.4	* 39	1.1	18-Sep	34.2	19.5	1243	16	44	* 56							
NuTech	NT-7155	1.5	* 39	1.0	21-Sep	34.8	20.0	1283	18	42	* 58							
NuTech	NT-6166	1.6	* 41	1.0	23-Sep	34.9	19.2	1329	* 20	* 49	54							
NuTech	NT-1717RR/SCN	1.7	* 40	1.1	20-Sep	34.3	20.2	1298	17	* 47	55							
NuTech	NT-1777RR	1.7	* 39	1.0	23-Sep	34.4	19.4	1242	17	43	* 56							
NuTech	NT-1991	1.9	37	1.1	24-Sep	34.2	19.5	1197	14	* 45	53							
NuTech	NT-7205+RR	1.9	* 43	1.0	24-Sep	34.3	19.7	1387	* 24	* 47	* 59							
Pioneer Brand	91M30	1.3	36	1.0	15-Sep	34.0	20.4	1162	17	40	50	42	1.0	15-Sep	33.4	20.0	1349	39
Pioneer Brand	91M41	1.4	34	1.0	18-Sep	34.5	20.9	1110	16	37	48							
Pioneer Brand	91M51	1.5	34	1.1	14-Sep	34.4	20.5	1088	17	36	49	43	1.1	17-Sep	34.3	19.6	1402	39
Pioneer Brand	91M61	1.6	35	1.1	16-Sep	35.1	20.0	1160	17	38	49	40	1.0	20-Sep	34.1	19.8	1306	38
Renk	RS 067RR	0.6	33	1.3	4-Sep	36.2	19.0	1092	15	36	48							
Renk	RS 107RR	1.0	* 39	1.2	11-Sep	34.8	19.3	1290	* 22	41	54							
Renk	RS 115RR	1.1	* 39	1.2	17-Sep	35.4	19.7	1272	* 20	42	54	46	1.0	18-Sep	35.0	19.3	1505	* 43
MEAN			38	1.1	15-Sep	35.0	19.4	1224	18	43	52	47	1.1	20-Sep	34.8	18.9	1510	42
LSD(0.10)			4	ns	4	0.8	0.6	124	5	5	5	5	0.3	3	0.8	0.4	152	3

\* Yields preceded by a '\*' are not significantly different (0.10 level) than the highest yielding cultivar.

1/ Chippewa Falls site suffered from extreme drought and care should be taken when interpreting the results.

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

**TABLE 7. NORTH-CENTRAL REGION CONVENTIONAL SOYBEAN TEST**

Performance of Public and Commercial Entries at Three North Central Wisconsin Locations.  
 CHP=CHIPPEWA FALLS, MAR=MARSHFIELD, SEY=SEYMOUR

Originator/Brand Entry	Maturity Group	Herb. Tol.	2007 3-Test Average							2007 Yields			2006 3-Test Average					6-Test
			Yield	Lodging	Maturity	Protein	Oil	Protein plus Oil	CHP	MAR	SEY	Yield	Lodging	Maturity	Protein	Oil	Protein plus Oil	Ave. Yield
			bu/A	1-5	date	%	%	lb/A	-----bu/A-----			bu/A	1-5	date	%	%	lb/A	bu/A
Public MN 0302	0.3	CN	<b>23</b>	1.2	1-Sep	35.6	19.7	770	10	24	36	<b>41</b>	1.0	8-Sep	35.6	19.1	1337	<b>32</b>
Public MN 1005	1.0	CN	<b>30</b>	1.3	11-Sep	35.0	19.4	973	13	35	42	* <b>49</b>	1.5	18-Sep	34.3	19.3	1578	<b>40</b>
Public HP 204	2.0	CN	<b>32</b>	1.4	23-Sep	37.8	18.1	1061	* 18	37	40	<b>42</b>	1.4	30-Sep	38.3	17.0	1378	<b>37</b>
Public Vinton 81	2.0	CN	<b>29</b>	1.4	24-Sep	38.2	17.5	966	12	36	39	<b>37</b>	1.5	29-Sep	37.7	17.0	1203	<b>33</b>
Blue River 06F8	0.6	CN	* <b>33</b>	1.3	13-Sep	34.8	19.6	1088	15	34	* 49							
Blue River 10F8	1.0	CN	<b>29</b>	1.2	8-Sep	35.0	19.3	951	14	31	43							
Blue River 1A24	1.2	CN	<b>32</b>	1.1	24-Sep	36.2	18.5	1074	17	38	42	<b>46</b>	1.2	27-Sep	36.1	17.9	1496	<b>39</b>
Blue River 1F44	1.4	CN	<b>29</b>	1.1	18-Sep	38.0	18.1	977	14	32	41	<b>44</b>	1.0	22-Sep	38.1	17.6	1466	<b>37</b>
Dairyland DSR-218	2.1	CN	* <b>36</b>	1.1	24-Sep	35.2	20.0	1204	* 18	* 43	* 48							
Gold Country 3514FG	1.4	CN	<b>30</b>	1.0	19-Sep	38.3	18.1	1018	* 18	32	39							
Gold Country Kandi	1.4	CN	<b>32</b>	1.0	22-Sep	37.0	19.1	1093	15	35	* 47							
NK Brand S08-80	0.8	CN	<b>27</b>	1.3	11-Sep	36.3	19.0	932	11	30	41	<b>45</b>	1.1	16-Sep	35.7	18.9	1450	<b>36</b>
NK Brand S18-N5	1.8	CN	* <b>37</b>	1.0	22-Sep	35.7	19.0	1218	* 24	* 40	* 48	* <b>53</b>	1.1	28-Sep	35.4	18.3	1684	* <b>45</b>
Pioneer Brand 91M10	1.1	CN	<b>32</b>	1.0	12-Sep	36.6	18.9	1068	17	35	* 44	<b>47</b>	1.0	15-Sep	35.9	18.6	1533	<b>40</b>
MEAN			<b>31</b>	1.2	16-Sep	36.4	18.9	1028	15	34	43	<b>47</b>	1.1	20-Sep	34.8	18.9	1510	<b>38</b>
LSD(0.10)			<b>4</b>	ns	5	0.9	0.5	101	6	4	5	<b>5</b>	0.3	3	0.8	0.4	152	<b>4</b>

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

<sup>1</sup> Herb. Toler. ; Herbicide Tolerance : RR= Tolerance to glyphosate herbicide, STS = Tolerance to Sulfonylurea herbicides, CN = Conventional herbicide tolerance.

1/ Chippewa Falls site suffered from extreme drought and care should be taken when interpreting the results.

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

**TABLE 8. NORTHERN REGION ROUNDUP READY SOYBEAN TEST**

Performance of Commercial Entries at Three Northern Wisconsin Locations.  
 SPD=SPOONER DRYLAND, SPI=SPOONER IRRIGATED, STR=STURGEON BAY

Originator/Brand	Entry	Maturity Group	2007 3-Test Average						2007 Yields			2006 3-Test Average					6-Test	
			Yield	Lodging	Maturity	Protein	Oil	Protein plus Oil	SPD	SPI	STR	Yield	Lodging	Maturity	Protein	Oil	Protein plus Oil	Ave. Yield
			bu/A	1-5	date	%	%	lb/A	-----bu/A-----			bu/A	1-5	date	%	%	lb/A	bu/A
Asgrow	AG 0701	0.7	* 36	1.3	15-Sep	36.4	18.2	1174	* 17	* 58	* 33							
Asgrow	AG 0803	0.8	29	1.3	16-Sep	35.9	18.7	935	13	50	23							
Asgrow	AG 1002	1.0	* 33	1.2	18-Sep	36.0	18.6	1062	* 18	49	* 31							
Brunner	BR-0607 RR	0.6	28	1.0	14-Sep	36.9	18.3	974	14	46	25							
Brunner	BR-0707 RR	0.6	* 32	1.3	12-Sep	36.6	17.9	1032	13	* 56	* 27							
Brunner	BR-0605 RR	0.7	30	1.2	15-Sep	36.5	19.0	994	* 15	47	* 28							
Brunner	BR-1007 RR	1.0	* 32	1.0	16-Sep	36.2	18.6	1036	* 18	49	* 28							
Croplan	RT 0887	0.8	30	1.4	17-Sep	35.9	18.1	970	13	47	* 30							
Dairyland	DSR-1302/RRSTS	1.3	* 32	1.0	18-Sep	36.2	18.2	1046	* 15	51	* 31	* 40	1.0	22-Sep	34.0	18.4	1236	* 36
Dyna-Gro	34C06	0.6	28	1.5	15-Sep	36.2	18.1	913	12	49	24							
Gold Country	2509 RR	0.9	* 32	1.2	17-Sep	36.7	18.4	1044	* 17	51	* 27							
Kaltenberg	KB 087RR	0.8	31	1.1	17-Sep	35.3	19.0	998	13	47	* 33	* 42	1.0	18-Sep	34.9	18.7	1338	* 37
Kruger	K-009+RR	0.1	22	1.5	5-Sep	36.9	18.7	733	6	42	18	33	1.0	7-Sep	35.8	18.9	1071	27
Kruger	K-011RR	0.1	18	1.7	5-Sep	36.3	18.3	585	6	36	13							
Kruger	K-042RR	0.4	27	1.0	13-Sep	36.9	18.8	896	13	49	20	35	1.0	13-Sep	33.3	19.7	1121	31
Kruger	K-056RR	0.6	26	1.1	16-Sep	36.7	18.1	854	11	43	24							
Kruger	K-072+RR	0.8	30	1.0	17-Sep	36.5	18.4	976	14	48	* 27	* 45	1.0	13-Sep	35.8	18.4	1443	* 37
Kruger	K-091RR	0.9	31	1.0	17-Sep	36.0	18.5	1005	* 17	50	* 26							
Kruger	K-100RR	1.0	29	1.0	17-Sep	36.9	18.5	966	14	47	25	39	1.0	20-Sep	35.4	18.8	1274	* 34
NK Brand	S08-C3	0.8	29	1.0	14-Sep	35.4	18.7	934	13	47	* 28	39	1.0	15-Sep	34.7	18.6	1243	* 34
NK Brand	S08-M8	0.8	27	1.3	15-Sep	36.6	17.8	874	10	50	21	* 42	1.0	16-Sep	34.3	18.3	1297	* 34
NK Brand	S11-R6	1.1	29	1.1	17-Sep	36.9	17.7	960	13	49	* 26							
NK Brand	S12-P4	1.2	28	1.0	16-Sep	36.6	18.1	923	13	46	* 26	* 40	1.0	19-Sep	35.0	18.5	1287	* 34
Pioneer Brand	90M60	0.6	26	1.1	13-Sep	36.8	18.2	859	10	44	25	36	1.0	13-Sep	35.1	18.6	1149	31
Pioneer Brand	91M01	1.0	28	1.3	13-Sep	36.0	19.2	909	13	41	* 29							
MEAN			29	1.2	14-Sep	36.4	18.4	946	13	48	26	38	1.0	16-Sep	34.9	18.7	1216	34
LSD(0.10)			4	0.5	4	0.8	0.5	108	3	6	7	5	ns	3	1.0	0.5	168	4

\* Yields preceded by a '\*' are not significantly different (0.10 level) than the highest yielding cultivar.

1/ Spooner Dryland and Sturgeon Bay sites suffered from extreme drought and care should be taken when interpreting the results.

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

**TABLE 9. NORTHERN REGION CONVENTIONAL SOYBEAN TEST**

Performance of Public and Commercial Entries at Three Northern Wisconsin Locations.

SPD=SPOONER DRYLAND, SPI=SPOONER IRRIGATED, STR=STURGEON BAY

Originator/Brand	Entry	Maturity Group	Herb. <sup>1</sup> Toler.	2007 3-Test Average						2007 Yields			2006 3-Test Average						6-Test
				Yield	Lodging	Maturity	Protein	Oil	Protein plus Oil	SPD 1/	SPI	STR 1/	Yield	Lodging	Maturity	Protein	Oil	Protein plus Oil	Ave. Yield
				bu/A	1-5	date	%	%	lb/A	-----bu/A-----			bu/A	1-5	date	%	%	lb/A	bu/A
Public	Traill	0.0	CN	<b>19</b>	1.6	6-Sep	37.3	18.0	416	8	37	13	<b>30</b>	1.0	10-Sep	36.1	18.1	974	<b>25</b>
Public	MN 0302	0.3	CN	<b>21</b>	1.2	10-Sep	37.0	18.7	432	10	38	14	<b>38</b>	1.0	14-Sep	35.2	18.8	1228	<b>* 29</b>
Public	MN 1005	1.0	CN	<b>21</b>	1.5	15-Sep	36.2	18.7	458	11	38	15	<b>* 41</b>	1.5	18-Sep	34.8	18.9	1307	<b>* 31</b>
Public	MN 1401	1.4	CN	<b>* 32</b>	1.5	19-Sep	36.8	19.0	609	<b>* 20</b>	<b>* 59</b>	<b>* 17</b>							
Blue River	06F8	0.6	CN	<b>* 29</b>	1.5	15-Sep	36.1	18.8	643	<b>* 16</b>	<b>50</b>	<b>* 21</b>							<b>* 29</b>
Blue River	10F8	1.0	CN	<b>23</b>	1.5	15-Sep	36.5	18.6	541	15	38	* 17							<b>23</b>
Gold Country	Kandi	1.4	CN	<b>* 29</b>	1.5	20-Sep	37.5	18.7	645	<b>* 16</b>	<b>51</b>	<b>* 20</b>							
Gold Country	3514FG	1.4	CN	<b>23</b>	1.5	20-Sep	38.7	17.9	529	13	39	16							
NK Brand	S08-80	0.8	CN	<b>24</b>	1.4	17-Sep	37.2	18.4	519	10	44	* 18	<b>36</b>	1.0	19-Sep	36.0	18.5	1205	<b>* 30</b>
MEAN				<b>25</b>	1.5	15-Sep	37.0	18.5	532	13	44	17	<b>38</b>	1.0	16-Sep	34.9	18.7	1216	<b>28</b>
LSD(0.10)				<b>5</b>	ns	4	0.6	0.4	174	4	4	4	<b>5</b>	ns	3	1.0	0.5	168	<b>4</b>

\* Yields preceded by a '\*' are not significantly different (0.10 level) than the highest yielding cultivar.

1/ Spooner Dryland and Sturgeon Bay sites suffered from extreme drought and care should be taken when interpreting the results.

<sup>1</sup> Herb. Toler. ; Herbicide Tolerance : RR= Tolerance to glyphosate herbicide, STS = Tolerance to Sulfonylurea herbicides, CN = Conventional herbicide tolerance.

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

**TABLE 10. EARLY MATURITY (MG 0.0-1.4) SOYBEAN WHITE MOLD TEST**

Performance of Public and Commercial Entries In White Mold Disease Field Environment at Marshfield, WI.

Originator/Brand	Entry	Maturity Group	Herb. <sup>1</sup> Toler.	2007						2006						2-Year	
				Yield	White Mold <sup>2</sup>	Lodging	Protein	Oil	Protein plus Oil	Yield	White Mold <sup>2</sup>	Lodging	Protein	Oil	Protein plus Oil	Yield	White Mold <sup>2</sup>
				bu/A	%	1-5	%	%	lb/A	bu/A	%	1-5	%	%	lb/A	bu/A	%
Dairyland	DSR-1302/RRSTS	1.3	RR	* 53	6	1.8	34.0	18.8	1678	* 61	26	1.0	34.7	17.6	1900	* 57	16
Kaltenberg	KB 106RR	1.0	RR	46	14	2.3	33.5	19.6	1463	* 59	30	1.0	34.4	18.5	1878	53	22
Kruger	K-042RR	0.4	RR	* 55	8	1.8	33.6	19.5	1757								
Kruger	K-056RR	0.6	RR	47	11	1.3	33.6	19.1	1474								
Kruger	K-072+RR	0.8	RR	50	13	1.5	35.1	18.7	1606	57	15	1.3	35.3	18.3	1820	* 54	14
Kruger	K-091RR	0.9	RR	* 54	8	1.5	34.4	18.4	1697								
Kruger	K-100RR	1.0	RR	* 52	19	2.0	33.6	19.5	1671	* 63	33	1.0	34.8	18.4	2002	* 58	26
Kruger	K-120RR	1.2	RR	50	16	1.8	33.0	18.3	1547	* 58	20	1.0	35.1	17.6	1821	* 54	18
Kruger	K-142RR	1.4	RR	* 53	8	2.3	33.7	19.3	1674								
Kruger	K-147RR/SCN	1.4	RR	49	24	2.3	34.2	19.4	1582								
Public	Traill	0.0	CN	38	1	1.8	36.1	17.7	1225	38	1	1.0	36.1	18.0	1225	38	1
Public	W04-1002	0.8	CN	34	1	2.3	34.5	18.3	1068								
MEAN				48	11	1.9	34.1	18.9	1537	56	16	1.0	34.7	18.4	1791	52	16
LSD(0.10)				4	6	0.6	0.5	0.3	112	5	10	ns	0.5	0.2	142	4	7

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

<sup>1</sup> Herb. Toler. ; Herbicide Tolerance : RR= Tolerance to glyphosate herbicide, STS = Tolerance to Sulfonylurea herbicides, CN = Conventional herbicide tolerance.

<sup>2</sup> White Mold data is expressed as a percent of diseased plants.

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

**TABLE 11. MID MATURITY (MG 1.5-1.9) SOYBEAN WHITE MOLD TEST**

Performance of Commercial Entries In White Mold Disease Field Environment at Marshfield, WI.

Originator/Brand	Entry	Maturity Herb. <sup>1</sup> Group Toler.		2007						2006						2-Year	
				Yield	White Mold <sup>2</sup>	Lodging	Protein	Oil	Protein plus Oil	Yield	White Mold <sup>2</sup>	Lodging	Protein	Oil	Protein plus Oil	Yield	White Mold <sup>2</sup>
				bu/A	%	1-5	%	%	lb/A	bu/A	%	1-5	%	%	lb/A	bu/A	%
Dairyland	DSR-1701/RR	1.7	RR	52	19	2.0	33.9	18.9	1643	* 60	31	2.8	35.8	17.3	1909	* 56	25
Dairyland	DSR-1850/RRSTS	1.9	RR	* 58	15	2.8	34.8	18.7	1859								
Kaltenberg	KB 187RR	1.8	RR	* 55	9	1.0	33.1	19.4	1739	* 62	31	2.0	33.5	18.1	1909	* 59	20
Kruger	K-140RR	1.5	RR	* 56	10	1.3	32.6	19.7	1757								
Kruger	K-163RR	1.6	RR	* 56	10	1.8	33.6	18.9	1759								
Kruger	K-167RR/SCN	1.6	RR	54	10	1.5	33.7	19.3	1724								
Kruger	K-170RR/SCN	1.7	RR	51	10	2.0	34.7	18.5	1639								
Kruger	K-194RR	1.9	RR	50	33	2.3	32.6	18.8	1543	49	63	2.3	33.2	17.4	1497	50	48
Kruger	K-195+RR/SCN	1.9	RR	* 59	11	2.0	33.8	19.4	1886								
Latham	E 1738 R	1.7	RR	53	18	2.5	34.8	18.2	1658								
Latham	E 1983 R	1.9	RR	52	19	1.5	33.0	19.3	1639								
Trelay	2166	1.6	RR	54	10	1.5	33.7	18.8	1707								
MEAN				54	14	1.8	33.7	19.0	1713	59	32	2.2	34.0	17.9	1844	55	31
LSD(0.10)				4	7	0.6	0.5	0.3	125	6	10	0.7	0.7	0.4	177	5	11

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

<sup>1</sup> Herb. Toler. ; Herbicide Tolerance : RR= Tolerance to glyphosate herbicide, STS = Tolerance to Sulfonylurea herbicides, CN = Conventional herbicide tolerance.

<sup>2</sup> White Mold data is expressed as a percent of diseased plants.

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

**TABLE 12. LATE MATURITY (MG 2.0-2.9) SOYBEAN WHITE MOLD TEST (Page 1 of 2)**

**Performance of Public and Commercial Entries In White Mold Disease Field Environment at Arlington, WI.**

Originator/Brand	Entry	Maturity Herb. <sup>1</sup> Group Toler.		2007						2006						2-Year	
				Yield	White Mold <sup>2</sup>	Lodging	Protein	Oil	Protein plus Oil	Yield	White Mold <sup>2</sup>	Lodging	Protein	Oil	Protein plus Oil	Yield	White Mold <sup>2</sup>
				bu/A	%	1-5	%	%	lb/A	bu/A	%	1-5	%	%	lb/A	bu/A	%
Dairyland	DSR-218	2.1	CN	79	28	2.3	34.9	19.7	2585	64	4	1.3	34.7	19.0	2046	* 72	16
Dairyland	DSR-2200/RR	2.2	RR	* 91	18	1.5	35.4	19.3	2989	61	8	2.3	34.3	18.9	1939	* 76	13
Dairyland	DSR-221/RR	2.2	RR	74	14	2.5	35.6	19.4	2451	68	6	2.0	36.1	18.0	2202	* 71	10
Kaltenberg	KB 203RR	2.0	RR	78	16	1.5	34.5	19.8	2541								
Kaltenberg	KB 248RR	2.4	RR	72	46	2.8	35.4	19.3	2352								
Kruger	K-201RR/SCN	2.0	RR	* 81	23	3.0	36.2	19.3	2703	67	0	1.5	34.6	19.0	2152	* 74	11
Kruger	K-204RR/SCN	2.0	RR	* 82	29	2.0	34.2	20.1	2670								
Kruger	K-220RR/SCN/LINO	2.2		74	29	2.0	35.9	19.6	2481								
Kruger	K-222RR/SCN	2.2	RR	71	25	2.0	36.2	18.7	2341	* 72	0	1.0	36.3	17.5	2322	* 72	13
Kruger	K-228RR/SCN	2.2	RR	* 83	31	3.3	34.4	20.0	2704								
Kruger	K-239/RR	2.3	RR	* 86	29	2.5	35.6	19.5	2825								
Kruger	K-234RR	2.4	RR	73	44	3.3	35.4	19.2	2401	66	20	2.5	35.5	17.9	2130	* 70	32
Kruger	K-245RR/SCN/LINO	2.4	RR	61	54	2.5	35.6	19.4	2006								
Kruger	K-248RR/SCN	2.5	RR	74	44	3.0	35.2	19.6	2418								
Kruger	K-251RR/SCN	2.5	RR	72	30	2.0	35.3	18.7	2332								
Kruger	K-256RR	2.5	RR	76	39	2.5	35.6	19.0	2498								
Kruger	K-259RR	2.6	RR	68	46	2.0	35.0	19.3	2202	59	33	2.0	34.7	17.7	1862	64	39
Kruger	K-263RR/SCN/LINO	2.7	RR	58	71	4.3	34.6	19.5	1868								
Kruger	K-271RR	2.7	RR	* 81	35	2.5	35.3	19.6	2666								
Kruger	K-272RR/SCN/LINO	2.7	RR	49	56	4.0	35.8	19.1	1617								

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**TABLE 12. LATE MATURITY (MG 2.0-2.9) SOYBEAN WHITE MOLD TEST (Page 2 of 2)**

**Performance of Public and Commercial Entries In White Mold Disease Field Environment at Arlington, WI.**

Originator/Brand	Entry	Maturity Herb. <sup>1</sup> Group Toler.		2007						2006						2-Year		
				Yield	White Mold <sup>2</sup>	Lodging	Protein	Oil	Protein plus Oil	Yield	White Mold <sup>2</sup>	Lodging	Protein	Oil	Protein plus Oil	Yield	White Mold <sup>2</sup>	
				bu/A	%	1-5	%	%	lb/A	bu/A	%	1-5	%	%	lb/A	bu/A	%	
Kruger	K-278RR/SCN	2.7	RR	69	74	3.8	35.6	18.6	2236									
Kruger	K-275RR/SCN	2.8	RR	59	68	4.5	34.4	19.8	1915	69	6	2.3	34.0	18.4	2154	<b>64</b>	<b>37</b>	
Kruger	K-283RR/SCN	2.8	RR	62	55	1.3	35.1	19.3	2023									
Kruger	K-297RR/SCN	2.9	RR	66	57	2.8	35.0	18.6	2110									
Latham	E 2285 R	2.2	RR	78	33	2.5	33.9	20.2	2528									
Latham	E 2538 R	2.5	RR	68	36	1.8	35.3	18.5	2188									
Public	Titan	2.1	CN	73	10	1.8	34.2	19.7	2363	55	0	2.3	33.3	19.0	1720	<b>64</b>	<b>5</b>	
Public	W01-1305	2.4	CN	52	44	3.0	36.4	18.2	1716									
MEAN				72	39	2.6	35.2	19.3	2347	66	9	1.8	35.0	18.1	2113	<b>70</b>	<b>20</b>	
LSD(0.10)				11	18	1.4	0.4	0.2	391	8	12	0.8	0.5	0.3	266	<b>9</b>	<b>12</b>	

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

<sup>1</sup> Herbicide Tolerance : RR= Tolerance to glyphosate herbicide , CN = Conventional herbicide tolerance.

<sup>2</sup> White Mold data is expressed as a percent of diseased plants.

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

**TABLE 13. SOYBEAN CYST NEMATODE TEST (Page 1 of 2)**

**Performance of Commercial Entries In SCN Disease Field Environment at East Troy, WI.**

Originator/Brand Entry		Maturity Group	2007								2006				2-Year	
			Yield	Lodging	Protein	Oil	Protein plus Oil	Egg Counts <sup>2</sup>		Pf/Pi <sup>3</sup>	Yield	Lodging	Egg Counts <sup>2</sup>		Pf/Pi <sup>3</sup>	Yield
								Spring (i)	Fall (f)				Spring (i)	Fall (f)		
			bu/A	1-5	%	%	lb/A				bu/A	1-5			bu/A	
Dairyland	DSR-2000/RRSTS	2.0	56	3.3	33.1	19.9	1783	180	40	0	* 59	1.0	1280	3724	2.9	<b>58</b>
Kaltenberg	KB 166RR	1.6	56	4.3	35.0	19.5	1829	60	60	1						
Kaltenberg	KB 196RR	1.9	60	2.5	33.0	20.4	1933	80	320	4						
Kaltenberg	KB 247RR	2.4	59	2.8	34.2	19.5	1894	0	420	-						
Kaltenberg	KB 249RR	2.4	* 65	2.3	34.7	18.8	2092	0	20	-						
Kruger	K-147RR/SCN	1.4	* 62	3.3	34.9	19.4	2023	60	500	8						
Kruger	K-167RR/SCN	1.6	* 63	3.0	32.9	20.3	2005	80	1540	19						
Kruger	K-170RR/SCN	1.7	61	2.8	35.1	19.1	1965	60	260	4						
Kruger	K-195+RR/SCN	1.9	* 65	3.0	33.4	20.4	2097	100	60	1	* 61	1.0	612	1376	2.2	<b>* 63</b>
Kruger	K-201RR/SCN	2.0	60	3.3	34.1	19.8	1932	20	120	6	50	1.0	1108	916	0.8	<b>55</b>
Kruger	K-204RR/SCN	2.0	61	2.3	32.1	20.4	1919	0	900	-						
Kruger	K-220RR/SCN/LINO	2.2	* 64	1.0	34.7	19.4	2073	20	320	16						
Kruger	K-222RR/SCN	2.2	60	2.5	35.2	19.1	1965	0	240	-	57	1.0	684	1632	2.4	<b>* 59</b>
Kruger	K-228RR/SCN	2.2	* 67	4.0	33.1	20.1	2126	180	140	1						
Kruger	K-245RR/SCN/LINO	2.4	55	2.3	33.8	19.5	1767	0	220	-						
Kruger	K-248RR/SCN	2.5	57	3.8	34.1	19.4	1819	0	800	-						
Kruger	K-251RR/SCN	2.5	61	2.5	34.4	18.6	1940	0	180	-						
Kruger	K-263RR/SCN/LINO	2.7	48	3.5	33.2	19.7	1521	0	380	-						
Kruger	K-272RR/SCN/LINO	2.7	45	2.3	34.8	18.9	1448	100	500	5						
Kruger	K-278RR/SCN	2.7	55	3.5	34.8	18.4	1767	3	80	27						
Kruger	K-283RR/SCN	2.8	56	3.0	33.7	19.2	1774	80	500	6						
Kruger	K-297RR/SCN	2.9	59	2.0	34.3	18.3	1847	80	120	2						
Latham	E 2338 R	2.3	61	1.5	35.0	19.7	1996	0	420	-						
Latham	E 2348 R	2.3	* 62	1.3	33.7	19.3	1986	0	1160	-						

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**TABLE 13. SOYBEAN CYST NEMATODE TEST (Page 2 of 2)**

**Performance of Commercial Entries In SCN Disease Field Environment at East Troy, WI.**

Originator/Brand Entry		Maturity Group	2007								2006				2-Year		
			Yield	Lodging	Protein	Oil	Protein plus Oil	Egg Counts <sup>2</sup>		Pf/Pi <sup>3</sup>	Yield	Lodging	Egg Counts <sup>2</sup>		Pf/Pi <sup>3</sup>	Yield	
			bu/A	1-5	%	%	lb/A	Spring (i)	Fall (f)		bu/A	1-5	Spring (i)	Fall (f)		bu/A	
Latham	E 2538 R	2.5	59	2.0	34.5	18.5	1870	0	280	-							
NK Brand	S28-Y2	2.8	57	2.0	33.5	19.2	1807	0	140	-	* 64	1.0	812	1044	1.3		* 61
NuTech	NT-7193RR/SCN	1.9	59	3.5	33.3	20.2	1877	120	620	5							
NuTech	NT-7201	2.0	61	2.0	32.6	20.6	1932	40	1060	27							
NuTech	NT-7222	2.2	59	2.8	32.6	20.2	1871	40	220	6							
NuTech	NT-2324+RR/SCN	2.3	* 65	2.0	34.1	19.8	2100	20	180	9							
NuTech	NT-7242	2.4	* 67	1.8	34.1	19.1	2130	0	420	-							
NuTech	NT-7252	2.5	* 63	2.5	34.3	18.7	1998	0	940	-							
NuTech	NT-2660RR/SCN	2.6	* 66	3.0	33.1	19.4	2069	300	160	1							
Pioneer Brand	91M61	1.6	59	3.8	34.0	20.2	1933	20	460	23	53	1.0	484	1458	3.0		56
Pioneer Brand	92M01	2.0	57	4.7	34.9	19.3	1855	120	260	2	57	1.0	264	1896	7.2		57
MEAN			60	2.7	33.9	19.5	1913	50	401	8	55	1.0	908	1622	3.0		58
LSD(0.10)			5	1.2	0.7	0.3	163				6	ns					4

\* Yields preceded by a '\*' are not significantly different (0.10 level) than the highest yielding cultivar.

<sup>2</sup> Average number of eggs in one hundred cubic centimeters of soil composited by variety treatment.

<sup>3</sup> Reproductive factor = final egg population (fall) / initial egg population (spring).

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

**TABLE 14. SEED SOURCE FOR PRIVATE SOYBEAN ENTRIES IN 2007**

<b>Brand</b>	<b>Company Name</b>	<b>Address</b>	<b>Phone</b>	<b>Website</b>
Asgrow	Monsanto Company	800 N Lindbergh Blvd., St Louis, MO 63137	(314) 694-1000	<a href="http://www.monsanto.com/">http://www.monsanto.com/</a>
Blue River	Blue River Hybrids	27087 Timber Road, Kelly, IA 50134	(800) 370-7979	<a href="http://www.blueriverorgseed.com/">http://www.blueriverorgseed.com/</a>
Brunner	Brunner Seed Inc.	W 3850 U.S. Hwy. 10, Durand, WI 54736	(715) 672-5887	<a href="http://www.brunnerseed.com/">http://www.brunnerseed.com/</a>
Croplan Genetics	Croplan Genetics	180 Lynne Trail, Oregon, WI 53575	(608) 516-4636	<a href="http://www.answerplot.com/">http://www.answerplot.com/</a>
Dahlco	Dahlco Seeds	14730 15th St. SW, Cokato, MN 55321	(320) 286-5982	<a href="http://www.dahlco.com/">http://www.dahlco.com/</a>
Dairyland	Dairyland Seed Company Inc.	P.O. Box 958, 3570 Hwy. H, West Bend, WI 53095	(800) 236-0163	<a href="http://www.dairylandseed.com/">http://www.dairylandseed.com/</a>
Dyna-Gro	UAP Distribution, Inc.	15969 Hwy J, Bowling Green, MO 63334	(573) 324-5932	<a href="http://www.dyna-groseed.com">http://www.dyna-groseed.com</a>
Farm Advantage	Farm Advantage	1275 Hwy. 69, Belmond, IA 50421	(641) 444-3344	<a href="http://www.farmadvantage.com">http://www.farmadvantage.com</a>
FS Hisoy	Growmark Inc.	1701 Towanda Ave., Bloomington, IL 61701	(309) 557-6399	<a href="http://www.fsseeds.com/">http://www.fsseeds.com/</a>
Gold Country	Gold Country Seed, Inc.	16506 Hwy. 15 N., Hutchinson, MN 55350	(800) 795-8544	<a href="http://www.goldcountryseed.com/">http://www.goldcountryseed.com/</a>
Hughes	Hughes Seed Farms, Inc.	206 N. Hughes Rd., Woodstock, IL 60098	(815) 338-1141	<a href="http://www.hugheshybrids.com/">http://www.hugheshybrids.com/</a>
Kaltenberg	Kaltenberg Seed Farms	5506 State Road 19 P.O. Box 278, Waunakee, WI 53597	(608) 849-5021	<a href="http://www.kaltenbergseeds.com/">http://www.kaltenbergseeds.com/</a>
Kruger	Kruger Seed Company	33938 160th Ave. P.O. Box A, Dike, IA 50624	(800) 772-2721	<a href="http://www.krugerseed.com/">http://www.krugerseed.com/</a>
Latham	Latham Seed Company	131 180th St., Alexander, IA 50420	(807) 798-3258	<a href="http://www.lathamseeds.com/">http://www.lathamseeds.com/</a>
NK Brand	NK Brand Seeds	3513 Strawberry Loop, Middleton, WI 53562	(608) 203-6606	<a href="http://www.nk.com/">http://www.nk.com/</a>
NuTech	NuTech Seed	40321 130th Avenue, Leland, IA 50453	(641) 567-3350	<a href="http://nuttechseed.com">http://nuttechseed.com</a>
O'Brien	O'Brien Farms, Inc.	552 Glenway Rd., Brooklyn, WI 53521	(608) 835-3564	
Pattison	Pattison Brothers	703 1st Street, Clayton, IA 52049	(800) 632-5952	<a href="http://www.pattisonbros.com/default.asp">http://www.pattisonbros.com/default.asp</a>
Pioneer Brand	Pioneer Hi-Bred Intl., Inc.	99 Navaho Ave., Suite 101-A, Mankato, MN 56001	(507) 625-3045	<a href="http://www.pioneer.com/">http://www.pioneer.com/</a>
Prairie Brand	Sansgaard Seed Farms	15 X Avenue, Story City, IA 50248	(515) 733-2101	<a href="http://www.prairiebrandseed.com/">http://www.prairiebrandseed.com/</a>
Renk	Renk Seed	6809 Wilburn Rd., Sun Prairie, WI 53590	(608) 837-7351	<a href="http://www.renkseed.com/">http://www.renkseed.com/</a>
Trelay	Trelay Seeds Co.	11623 Hwy. 80, Livingston, WI 53554	(608) 778-2841	<a href="http://www.trelay.com/">http://www.trelay.com/</a>
Viking	Albert Lea Seed House	1414 W. Main, P.O. Box 127, Albert Lea, MN 56007	(507) 373-3161	<a href="http://www.alseed.com">http://www.alseed.com</a>

**Table 15. 2007 Temperature and Precipitation Summary**

Location	Temperature Precipitation	May		June		July		August		September	
		Average Total	Departure Departure	Average Total	Departure Departure	Average Total	Departure Departure	Average Total	Departure Departure	Average Total	Departure Departure
Arlington	Temperature	60.0	2.9	67.7	1.1	70.0	-0.5	69.1	0.6	55.8	-4.7
	Precipitation	1.2	-2.2	3.3	-0.8	2.9	-1.0	11.3	7.1	2.8	-0.8
	White Mold Irrigation					2.8					
Chippewa Falls (Eau Claire)	Temperature	61.0	3.0	69.0	2.2	71.8	0.4	69.6	0.6	62.4	3.0
	Precipitation	2.0	-1.7	1.9	-2.3	3.5	-0.4	5.6	0.9	4.7	1.0
East Troy (Waukesha)	Temperature	60.4	1.1	67.3	-1.8	70.2	-3.6	70.8	-0.9	61.8	-1.4
	Precipitation	2.1	-1.0	4.0	0.2	3.0	-0.9	9.6	4.9	1.5	-2.0
Fond du Lac	Temperature	60.1	2.2	68.4	1.3	70.2	-1.6	69.9	0.4	58.5	-2.8
	Precipitation	1.7	-1.2	4.5	0.9	2.6	-0.9	5.2	1.0	-1.4	3.5
Galesville (Trempealeau Dam #6)	Temperature	63.8	4.0	70.3	1.7	73.0	0.2	72.0	1.7	66.0	4.3
	Precipitation	3.6	-0.2	2.8	-1.0	2.5	-1.8	10.6	6.1	2.3	-1.5
Hancock*	Temperature	61.0	4.5	68.9	3.2	71.0	1.4	70.1	2.8	62.6	3.6
	Precipitation	3.8	0.4	1.8	-2.0	2.7	-1.5	8.9	4.6	2.6	-1.0
	Irrigation	0.4		3.7		4.2		1.7		0.8	
Janesville (Beloit)	Temperature	62.3	3.5	69.2	0.6	71.2	-1.2	72.4	2.3	64.9	2.6
	Precipitation	1.1	-2.3	4.6	0.0	2.8	-1.0	13.2	8.9	1.2	-2.4
Lancaster	Temperature	61.4	3.7	67.9	1.0	70.1	-1.0	70.0	1.1	62.2	1.7
	Precipitation	1.7	-2.0	3.2	-1.5	6.0	2.0	12.5	7.9	2.5	-0.7
Marshfield*	Temperature	58.9	3.1	67.1	1.8	69.2	-0.6	68.5	1.3	60.5	2.7
	Precipitation	4.7	1.0	2.7	-1.4	3.3	-0.7	9.7	5.3	4.3	0.3
	White Mold Irrigation					1.7		1.6			
Seymour (Green Bay)	Temperature	59.7	3.3	67.5	2.1	69.6	-0.3	69.3	1.8	62.7	3.9
	Precipitation	2.4	-0.4	3.7	0.3	2.4	-1.0	2.7	-1.1	3.1	0.1
Spooner*	Temperature	59.4	2.3	68.5	3.4	70.7	1.3	68.8	1.6	60.0	1.6
	Precipitation	3.2	0.1	1.5	-2.5	3.2	-1.0	2.3	-2.4	6.1	2.4
	Irrigated Trial Irrigation	1.2		1.8		2.2		2.3		1.5	
Sturgeon Bay	Temperature	55.3	1.9	65.7	2.6	68.4	-0.2	69.7	2.7	62.6	3.3
	Precipitation	1.4	-1.5	2.4	-1.1	2.6	-0.8	1.3	-2.3	2.2	-1.2

\* Irrigation applied at Hancock, Marshfield and Arlington - White Mold, and Spooner - Irrigated Sand Trials.

Source: Wisconsin State Climatology Office

**TABLE 16. CHARACTERISTICS OF SOYBEAN VARIETIES (Page 1 of 6)**

Originator /Brand	Entry	Maturity Group	Herb. 1/ Toler.	Performance Shown in Tables	SCN 3/ Source	PRR Genes 4/	Color 5/			
							Flower	Hair	Pod	Hilum
Asgrow	AG 0701	0.7	RR	6 8	Susc.	S	P	LT	T	B
Asgrow	AG 0803	0.8	RR	6 8	PI 88788	Rps 1-k	P	T	BR	B
Asgrow	AG 1002	1.0	RR	6 8	Susc.		P	LT	BR	BR
Asgrow	AG 1403	1.4	RR	4 6	Susc.	S	W	T	TN	BR
Asgrow	AG 1802	1.8	RR	4	PI 88788	Rps 1-k	P	G	TN	IB
Asgrow	AG 2002	2.0	RR	2 4	PI 88788	Rps 1-c	P	T	BR	B
Asgrow	AG 2204	2.2	RR/STS	2 4	Susc.	Rps 1-k	P	LT	BR	B
Asgrow	AG 2221V	2.2	RR	3 5						
Asgrow	AG 2403	2.4	RR	2 4	Susc.	Rps 1-k	P	T	T	BL
Asgrow	AG 2406	2.4	RR	2 4	PI 88788	Rps 1-c	P	T	BR	B
Asgrow	AG 2422V	2.4	RR	3 5	PI 88788	Rps1-c	P	G	BR	IB
Asgrow	AG 2606	2.6	RR	2	PI 88788	Rps 1-c	P	G	BR	IB
Asgrow	AG 2802	2.8	RR	2	PI 88788	Rps 1-k	P	G	BR	IB
Blue River	06F8	0.6	CN	7 9	Susc.		W	TW	T	Y
Blue River	10F8	1.0	CN	7 9	Susc.		W	TW	T	Y
Blue River	1A24	1.2	CN	7	Susc.		P	TW	TW	B
Blue River	1F44	1.4	CN	5 7	Susc.		P	G	T	Y
Blue River	16A7	1.6	CN	5	Susc.		P	G	BR	Y
Blue River	1F61	1.6	CN	5	Susc.		P	G	BR	Y
Blue River	21YP7	2.1	CN	3 5	Susc.		W	G	T	Y
Blue River	2A12	2.1	CN	3 5	Susc.		W	LTW	T	B
Blue River	24A7C	2.4	CN	3	PI 88788		P	BR	T	B
Blue River	24F8	2.4	CN	3	Susc.		W	G	T	Y
Blue River	25YP6	2.5	CN	3	Susc.		P	BR	T	Y
Blue River	2A71	2.7	CN	3	Susc.		P	G	BR	B
Brunner	BR-0607 RR	0.6	RR	8			W	LTW	BR	BR
Brunner	BR-0707 RR	0.6	RR	8			P	LTW	T	B
Brunner	BR-0605 RR	0.7	RR	8			P	TW	T	B
Brunner	BR-1007 RR	1.0	RR	8			P	LTW	M	BR
Brunner	Exp-1307 RR	1.3	RR	6			W	LTW	BR	BR
Brunner	BR-1507 RR	1.6	RR	6			P	LTW	BR	BR
Brunner	Exp-1607 RR	1.6	RR	6			W	TW	T	T
Brunner	BR-1705 RR	1.7	RR	6			P	TW	T	BR
Brunner	BR-2006 RRN	2.0	RR	4			P	G	T	IB
Brunner	BR-2101 RR	2.1	RR	4			P	M	T	B
Brunner	Exp-2107 RR	2.1	RR	4			W	G	T	BF
Brunner	BR-2406 RR	2.2	RR	2			P	LTW	BR	B
Brunner	BR-2401 RR	2.4	RR	2			W	LTW	T	B
Croplan	RT 0887	0.8	RR	8		Rps 1-k	W	LTW	BR	B
Croplan	RT 1199	1.1	RR	6		Rps 1-c	P	G	T	T
Croplan	RT 1595	1.5	RR	6		Rps 1-k	P	LTW	T	B
Croplan	RT 1784	1.7	RR	6		Rps 1-k	P	TW	T	BR
Croplan	RC 1820	1.8	RR	6	PI 88788	Rps 1-k	P	G	T	IB
Croplan	RT 1992	1.9	RR	4			W	TW	T	T
Croplan	RC 2020	2.0	RR	4	PI 88788	Rps 1-k	P	G	T	IB
Croplan	RT 2092	2.0	RR	2 4			W	TW	T	T
Croplan	RT 2127	2.1	RR	2 4		Rps 1-k	W	LTW	T	BR
Croplan	RT 2292	2.2	RR	2 4		Rps 1-k	W	TW	T	T
Croplan	RT 2327	2.3	RR	2		Rps 1-k	W	LTW	T	BR
Croplan	RT 2547	2.5	RR	2		Rps 1-k	P	G	T	IB

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**TABLE 16. CHARACTERISTICS OF SOYBEAN VARIETIES (Page 2 of 6)**

Originator /Brand	Entry	Maturity Group	Herb. 1/ Toler.	Performance Shown in Tables	SCN 3/ Source	PRR Genes 4/	Color 5/			
							Flower	Hair	Pod	Hilum
Croplan	RT 2678	2.6	RR	2		Rps 1-k	W	TW	T	B
Dahlco	5090 RRC	0.9	RR	6						
Dahlco	6100 RRC	1.0	RR	6			P	LTW	T	BR
Dahlco	X-7130 RRC	1.3	RR	6						
Dahlco	6140 RR	1.4	RR	6						
Dahlco	6150 RR	1.5	RR	6		Rps 1-k	P	LTW	T	B
Dahlco	X-7160 RR	1.6	RR	4						
Dahlco	5200 RRC	2.0	RR	4		Rps 1-k	P	G	T	IB
Dahlco	9213 RR	2.1	RR	4		Rps 1-k	W	LTW	T	BR
Dahlco	4230 RR	2.3	RR	4						
Dairyland	DSR-1302/RRSTS	1.3	RR	8 10		Rps 1-k	P	LTW	T	BR
Dairyland	DSR-1500/RRSTS	1.5	RR	6			W	LTW	BR	B
Dairyland	DSR-1601/RR	1.6	RR	6						
Dairyland	DSR-1701/RR	1.7	RR	4 6 11			M	LTW	BR	B
Dairyland	DSR-1850/RRSTS	1.9	RR	4 11						
Dairyland	DSR-199/RR	1.9	RR	4		Rps 1-k	W	LTW	BR	B
Dairyland	DSR-2000/RRSTS	2.0	RR	13	PI 88788	Rps 1-k	W	LTW	BR	B
Dairyland	DSR-218	2.1	CN	3 5 7 1		None	P	G	BR	G
Dairyland	DSR-22/STS-UL Brand	2.2	CN	3			W	LTW	BR	B
Dairyland	DSR-2200/RR	2.2	RR	2 4 12			W	LTW	BR	B
Dairyland	DSR-221/RR	2.2	RR	12		Rps 1-k	M	LTW	BR	B
Dairyland	DSR-2300/RR	2.3	RR	2 4			W	LTW	T	B
Dairyland	DSR-234/RR	2.3	RR	2		Rps 1-k	P	LTW	BR	B
Dyna-Gro	34C06	0.6	RR	8	Susc.	S	P	LT	T	B
Dyna-Gro	39F16	1.6	RR	6	Susc.	Rps 1-k	W	T	T	T
Dyna-Gro	31D20	2.0	RR	2 4 6	PI 88788	Rps 1-c	W	T	T	T
Dyna-Gro	37Y21	2.1	RR	2 4	PI 88788	Rps 1-k	P	G	BR	IB
Dyna-Gro	36C28	2.8	RR	2	PI 88788	Rps 1-k	P	T	T	BR
Farm Advantage	7254 N	2.5	RR	2						
Farm Advantage	7273 N	2.7	RR	2						
FS HiSOY	HS 1965	1.9	RR	2 4	Susc.	Rps 1-k	W	T	T	BL
FS HiSOY	HS 2166	2.1	RR	2 4	PI 88788	Rps 1-c	P/W	T	BR	BL
FS HiSOY	HS 22R70	2.2	RR	2	PI 88788	Rps 1-k	P	G	IB	T
FS HiSOY	HS 2345	2.3	RR	2	Susc.	Rps 1-k	P	LTW	BR	BR
FS HiSOY	HS 2555	2.5	RR	2	Susc.	S	P	LTW	T	BR
FS HiSOY	R07-25 (Exp)	2.5	RR	2	PI 88788	Rps 1-k	P	LTW	BR	T
FS HiSOY	HS 2766	2.7	RR	2	PI 88788	Rps 1-k	P	G	IB	BR
FS HiSOY	R07-27 (Exp)	2.7	RR	2	PI 88788	Rps 1-c	P	G	IB	BR
Gold Country	2806 RR	0.6	RR	6		S	P	LTW	T	B
Gold Country	2509 RR	0.9	RR	6 8		S	P	LTW	BR	BR
Gold Country	2713 RR	1.3	RR	6		Rps 1-k	P	LTW	T	B
Gold Country	3514FG	1.4	CN	7 9		S				
Gold Country	Kandi	1.4	CN	7 9		Rps 1-k	P	TW	BR	B
Gold Country	8716 RR	1.6	RR	4		Rps 1-k	P	TW	T	BR
Gold Country	2717 NRR	1.7	RR	4	PI 88788	Rps 1-k	P	G	T	IB
Gold Country	9822 RR	2.2	RR	2 4		Rps 1-c	P	LTW	BR	B
Hughes	211	2.1	RR	2	PI 88788	Rps 1-k	P	G	T	B
Hughes	327	2.3	RR	2			W	TW	T	B
Hughes	405	2.4	RR	2			P	LTW	BR	B

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**TABLE 16. CHARACTERISTICS OF SOYBEAN VARIETIES (Page 3 of 6)**

Originator /Brand	Entry	Maturity Group	Herb. 1/ Toler.	Performance Shown in Tables	SCN 3/ Source	PRR Genes 4/	Color 5/			
							Flower	Hair	Pod	Hilum
Hughes	555	2.5	RR	2	PI 88788	Rps 1-k	W	T	BR	B
Hughes	796	2.7	RR	2	PI 88788	Rps 1-a	P	TW	BR	B
Hughes	847	2.8	RR	2	PI 88788		P	TW	BR	B
Kaltenberg	KB 087RR	0.8	RR	8			P	LTW	T/BR	BR
Kaltenberg	KB 094RR	0.9	RR	6						
Kaltenberg	KB 106RR	1.0	RR	6 10			W	BR	TW	BR
Kaltenberg	KB 158RR	1.4	RR	6						
Kaltenberg	KB 166RR	1.6	RR	6 13						
Kaltenberg	KB 177RR	1.7	RR	4						
Kaltenberg	KB 187RR	1.8	RR	4 11			W	T	TW	T
Kaltenberg	KB 196RR	1.9	RR	4 13						
Kaltenberg	KB 203RR	2.0	RR	6 12						
Kaltenberg	KB 226RR	2.2	RR	4						
Kaltenberg	KB 247RR	2.4	RR	2 13	PI 88788	Rps 1-c	P	LTW	BR	BR
Kaltenberg	KB 248RR	2.4	RR	2 12		Rps 1-c	P	G	T	IB
Kaltenberg	KB 249RR	2.4	RR	2 13						
Kaltenberg	KB 258RR	2.5	RR	2			P	LTW	T	BR
Kaltenberg	KB 268RR	2.6	RR	2						
Kruger	K-009+RR	0.1	RR	6 8		None	P	TW	BR	B
Kruger	K-011RR	0.1	RR	6 8		None	P	TW	BR	G
Kruger	K-042RR	0.4	RR	6 8 10		Rps1-a	P	G	BR	Y
Kruger	K-056RR	0.6	RR	4 6 8 10		Rps1-a	P	LTW	TN	Y
Kruger	K-072+RR	0.8	RR	4 6 8 10		Rps1-a	W	LTW	BR	BR
Kruger	K-091RR	0.9	RR	4 6 8 10		None	P	LTW	M	BR
Kruger	K-100RR	1.0	RR	2 4 6 8 10		Rps1-k	P	LTW	T	B
Kruger	K-120RR	1.2	RR	2 4 6 10		Rps1-k	P	LTW	T	B
Kruger	K-142RR	1.4	RR	2 4 6 10		Rps1-k	P	TW	BR	B
Kruger	K-147RR/SCN	1.4	RR	2 4 6 10	PI 88788	Rps1-k	P	TW	BR	B
Kruger	K-140RR	1.5	RR	2 4 6 11		Rps1-k	P	LTW	TN	B
Kruger	K-163RR	1.6	RR	2 4 6 11		HRps1-k	W	TW	TN	TN
Kruger	K-167RR/SCN	1.6	RR	2 4 6 11	PI 88788	Rps1-k	P	G	TN	IB
Kruger	K-170RR/SCN	1.7	RR	2 4 6 11	PI 88788	None	P	LTW	TN	BR
Kruger	K-194RR	1.9	RR	2 4 11		HRps1-k	W	TW	T	B
Kruger	K-195+RR/SCN	1.9	RR	2 4 11	PI 88788	Rps1-k	P	G	T	IB
Kruger	K-201RR/SCN	2.0	RR	2 4 12	PI 88788	Rps1-c	M	TW	BR	B
Kruger	K-204RR/SCN	2.0	RR	2 4 12	PI 88788	Rps1-k	P	G	T	IB
Kruger	K-220RR/SCN/LINO	2.2	RR	12 13	PI 88788	Rps1-c	P	G	BR	IB
Kruger	K-222RR/SCN	2.2	RR	2 12	PI 88788	Rps1-k	P	LTW	BR	B
Kruger	K-228RR/SCN	2.2	RR	2 4 12	PI 88788	Rps1-k	P	G	T	M
Kruger	K-239/RR	2.3	RR	2 4 12		None	W	LTW	BR	B
Kruger	K-234RR	2.4	RR	2 12			W	LTW	T	BR
Kruger	K-245RR/SCN/LINO	2.4	RR	12 13	PI 88788	Rps1-c	P	G	T	BF
Kruger	K-248RR/SCN	2.5	RR	2 12	PI 88788	None	P	LTW	BR	BR
Kruger	K-251RR/SCN	2.5	RR	2 12	PI 88788	Rps1-k	P	LTW	T	BR
Kruger	K-256RR	2.5	RR	2 12		HRps 1-k	W	LTW	BR	B
Kruger	K-259RR	2.6	RR	2 12		Rps 1-k	W	TW	T	B
Kruger	K-263RR/SCN/LINO	2.7	RR	12 13	PI 88788	Rps 1-c	P	G	T	IB
Kruger	K-271RR	2.7	RR	2 12		Rps 1-k	W	LTW	BR	B
Kruger	K-272RR/SCN/LINO	2.7	RR	12 13	PI 88788	None	W	G	T	BF
Kruger	K-278RR/SCN	2.7	RR	2 12	PI 88788	Rps 1-c	P	G	BR	IB
Kruger	K-275RR/SCN	2.8	RR	12	PI 88788	Rps 1-k	P	G	BR	IB

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**TABLE 16. CHARACTERISTICS OF SOYBEAN VARIETIES (Page 4 of 6)**

Originator /Brand	Entry	Maturity Group	Herb. 1/ Toler.	Performance Shown in Tables		SCN 3/ Source	PRR Genes 4/	Color 5/			
								Flower	Hair	Pod	Hilum
Kruger	K-283RR/SCN	2.8	RR	2	12	PI 88788	Rps 1-k	P	TW	T	BR
Kruger	K-297RR/SCN	2.9	RR	2	12	PI 88788	Rps 1-k	P	LTW	T	BR
Latham	E 1738 R	1.7	RR	11		PI 88788	None	P	LTW	T	BR
Latham	E 1983 R	1.9	RR	11		PI 88788	Rps 1-c	P	G	T	IB
Latham	L 1950 R	1.9	RR	4		Susc.	Rps 1-k	W	TW	T	B
Latham	L 2085 R	2.0	RR	4		PI 88788	Rps 1-c	M	TW	BR	B
Latham	L 2158 R	2.1	RR	4		PI 88788	Rps 1-k	P	G	BR	IB
Latham	E 2246 R	2.2	RR	4		Susc.	None	W	LTW	BR	B
Latham	E 2285 R	2.2	RR	12		PI 88788	Rps 1-k	P	G	T	M
Latham	E 2338 R	2.3	RR	13		PI 88788	Rps 1-k	W	LTW	T	B
Latham	E 2348 R	2.3	RR	13		PI 88788	Rps 1-k	P	G	BR	BF
Latham	L 2337 R	2.3	RR	2		Susc.	Rps 1-k	W	LTW	T	B
Latham	E 2538 R	2.5	RR	12	13	PI 88788	Rps 1-k	P	LTW	T	BR
Latham	L 2500 R	2.5	RR	2		Susc.	None	P	LTW	T	B
Latham	L 2646 R	2.6	RR	2		Susc.	Rps 1-k	M	LTW	BR	B
NK Brand	S08-80	0.8	CN	7	9						
NK Brand	S08-C3	0.8	RR	6	8		Rps 1-c	P	G	BR	G
NK Brand	S08-M8	0.8	RR	8				W	LTW	B	S
NK Brand	S11-R6	1.1	RR	6	8		Rps 1-k	W	LTW		BR
NK Brand	S12-P4	1.2	RR	6	8		Rps 1-c	P	LTW		BR
NK Brand	S12-U7	1.2	RR	6			Rps 1-k	W	LTW		BR
NK Brand	S14-N1	1.4	RR	6			Rps 1-k	P	LTW		B
NK Brand	S17-A1	1.7	RR	4	6		Rps 1-a	W	TW	T	G
NK Brand	S17-P9	1.7	RR	4			Rps 1-c	P	LTW	T	B
NK Brand	S17-Z7	1.7	RR	4	6			P	LTW		Y
NK Brand	S18-N5	1.8	CN	5	7						
NK Brand	S20-F8	2.0	CN	3	5		Rps 1-c	P	G		Y
NK Brand	S21-N6	2.1	RR	2	4		Rps 1-K	P	LTW		BR
NK Brand	S21-V9	2.1	RR	2	4						
NK Brand	S23-H2	2.3	RR	2	4		Rps 1-a	W	LTW		B
NK Brand	S24-J1	2.4	RR	2			Rps 1-k	W	LTW		BR
NK Brand	S25-B9	2.5	RR	2			Rps 1-a	W	LTW	T	B
NK Brand	S27-L4	2.7	RR	2			Rps 1-a	W	LTW		B
NK Brand	S28-B4	2.8	RR	2			Rps 1-k	W	LTW		BR
NK Brand	S28-G1	2.8	RR	2			Rps 1-a	W	LTW		B
NK Brand	S28-Y2	2.8	RR	13			Rps 1-c	W	T		BR
NuTech	NT-6133	1.3	RR	6							
NuTech	NT-6145	1.4	RR	6							
NuTech	NT-7155	1.5	RR	6							
NuTech	NT-6166	1.6	RR	4	6						
NuTech	NT-1717RR/SCN	1.7	RR	6							
NuTech	NT-1777RR	1.7	RR	4	6						
NuTech	NT-6175	1.7	RR	4							
NuTech	NT-1991	1.9	RR	4	6						
NuTech	NT-7193RR/SCN	1.9	RR	4	13						
NuTech	NT-7205+RR	1.9	RR	2	4	6					
NuTech	NT-7201	2.0	RR	13							
NuTech	NT-6211	2.1	RR	2	4						
NuTech	NT-2220RR	2.2	RR	2	4						
NuTech	NT-7222	2.2	RR	13							
NuTech	NT-2324+RR/SCN	2.3	RR	2	4	1					

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**TABLE 16. CHARACTERISTICS OF SOYBEAN VARIETIES (Page 5 of 6)**

Originator /Brand	Entry	Maturity Group	Herb. 1/ Toler.	Performance Shown in Tables	SCN 3/ Source	PRR Genes 4/	Color 5/			
							Flower	Hair	Pod	Hilum
NuTech	NT-7234RR	2.3	RR	2 4						
NuTech	NT-6242	2.4	RR	2						
NuTech	NT-7242	2.4	RR	13						
NuTech	NT-6253	2.5	RR	2						
NuTech	NT-6255	2.5	RR	2						
NuTech	NT-7252	2.5	RR	2 13						
NuTech	NT-2660RR/SCN	2.6	RR	2 13						
NuTech	NT-6281	2.8	RR	2						
NuTech	NT-7293	2.9	RR	2						
O'Brien	O'Soy 182 RR	1.8	RR	2 4						
O'Brien	O'Soy 199 RR	1.9	RR	2 4						
O'Brien	O'Soy 200 RRHO	2.0	RR	2 4						
Pattison	7317	1.7	CN	5						
Pattison	7818	1.8	CN	5	PI 88788					
Pattison	7321	2.1	CN	3						
Pattison	7422	2.2	CN	3						
Pattison	7522	2.2	CN	3						
Pattison	7809	2.2	CN	3						
Pattison	7524	2.4	CN	3						
Pioneer Brand	90M60	0.6	RR	8		Rps 1-c	P	TW	BR	BR
Pioneer Brand	91M01	1.0	RR	8		Rps 1-k	P	TW	BR	BR
Pioneer Brand	91M10	1.1	CN	5 7			P	G	TN	Y
Pioneer Brand	91M30	1.3	RR	6		Rps 1-k	P	G	BR	G
Pioneer Brand	91M41	1.4	RR	6		Rps 1-k	P	TW	BR	B
Pioneer Brand	91M51	1.5	RR	6		Rps 1-k	P	G	BR	BF
Pioneer Brand	91M61	1.6	RR	6 13	PI 88788	Rps 1-k	P	TW	BR	BR
Pioneer Brand	92M01	2.0	RR	4 13	PI 88788	None	P	LTW	BR	BR
Pioneer Brand	92M02	2.0	RR	4		Rps 1-k	P	LTW	BR	BR
Pioneer Brand	92M10	2.1	CN	3		Rps 1-c	P	G	BR	Y
Pioneer Brand	92M32	2.3	RR	2 4		Rps 1-k	W	LTW	T	BR
Pioneer Brand	92M40	2.4	RR	2	PI 88788	Rps 1-c	W	LTW	BR	B
Pioneer Brand	92M41	2.4	RR	3		Rps 1-k	W	TW	T	BR
Pioneer Brand	92M91	2.9	RR	2		Rps 1-k	P	LTW	BR	B
Prairie Brand	PB-1607RR	1.6	RR	4		Rps 1-k	W	TW	T	T
Prairie Brand	PB-1725RR	1.7	RR	4		Rps 1-k	P	TW	T	BR
Prairie Brand	PB-2147RR	2.1	RR	2		Rps 1-k	W	LTW	T	BR
Prairie Brand	PB-2207NRR	2.2	RR	4	PI 88788	Rps 1-k	P	G	T	IB
Prairie Brand	PB-2243RR	2.2	RR	2		Rps 1-k	W	TW	T	T
Prairie Brand	PB-2396RR	2.3	RR	2		none	W	LTW	BR	B
Prairie Brand	PB-2443RR	2.4	RR	2 4		Rps 1-k	W	TW	T	Y
Prairie Brand	PB-2536RR	2.5	RR	2		Rps 1-k	M	LTW	BR	B
Public	Traill	0.0	CN	9 10		None	P	TW	BR	Y
Public	MN 0302	0.3	CN	7 9		Rps 1	P	G	T	BF
Public	W04-1002	0.8	CN	10						
Public	MN 1005	1.0	CN	7 9		Rps 1				
Public	MN 1401	1.4	CN	3 5 9						
Public	IA1006	1.6	CN	3 5		None	W	T	BR	B
Public	MN 1607	1.6	CN	3 5						
Public	IA1010	1.9	CN	3 5						
Public	HP 204	2.0	CN	3 5 7		None	P	G	T	Y

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**TABLE 16. CHARACTERISTICS OF SOYBEAN VARIETIES (Page 6 of 6)**

Originator /Brand	Entry	Maturity Group	Herb. 1/ Toler.	Performance Shown in Tables	SCN 3/ Source	PRR Genes 4/	Color 5/			
							Flower	Hair	Pod	Hilum
Public	IA 1008	2.0	CN	3	PI 88788	None	W	G	T	Y
Public	IA 2042	2.0	CN	3						
Public	IA 2053	2.0	CN	3		None	P	TW	BR	Y
Public	Vinton 81	2.0	CN	3 5 7		Rps 1	P	G	T	Y
Public	IA 2068	2.1	CN	3						
Public	Titan	2.1	CN	12		None	P	TW	BR	B
Public	IA 2076	2.3	CN	3						
Public	IA 2067	2.4	CN	3						
Public	W01-1305	2.4	CN	12						
Public	W04-668	2.4	CN	3						
Public	W05-573	2.4	CN	3						
Public	W05-680	2.5	CN	3						
Public	W05-701	2.6	CN	3						
Renk	RS 067RR	0.6	RR	6						
Renk	RS 107RR	1.0	RR	6						
Renk	RS 115RR	1.1	RR	6	PI 88788	Rps 1-k				
Renk	RS 147RR	1.4	RR	4						
Renk	RS 165RR	1.6	RR	4		Rps 1-k				
Renk	RS 185RR	1.8	RR	4						
Renk	RS 187NRR	1.8	RR	4						
Renk	RS 204NRR	2.0	RR	4	PI 88788	Rps 1-k				
Renk	RS 217RR	2.1	RR	4						
Renk	RS 223RR	2.2	RR	4		Rps 1-k	W	T	T	T
Renk	RS 247NRR	2.4	RR	2						
Renk	RS 265RR	2.6	RR	2		Rps 1-c				
Renk	RS 277NRR	2.7	RR	2						
Trelay	2166	1.6	RR	4 11						
Trelay	2214	2.1	RR	4						
Trelay	2233	2.3	RR	2 4						
Trelay	2251	2.5	RR	2						
Trelay	2276	2.7	RR	2						
Trelay	2299	2.9	RR	2						
Viking	O.1832	1.8	CN	3			P	LT	Br	Bn
Viking	O.2022	2.0	CN	3		Rps 1-c	P	Gr	T	Y

All characteristic information is provided by the originator.

1/ Herb. Toler.= Herbicide Tolerance: RR= Tolerance to glyphosate herbicide, STS = Tolerance to Sulfonylurea herbicides, CN= Conventional herbicide tolerance.

3/ Source of SCN Resistance; PI 88788, PI 54842 (Peking), PI 437654, PU-SCN 14, "CystX", Susc.=Susceptible, R?=Resistant; source unknown.

4/ B= Black, BF = Buff, BR= Brown, G= Gray, IB= Imperfect Black, LTW= Light Tawny, M= Mixed, P= Purple, T= Tan, TW= Tawny, W=White, Y= Yellow, IY=Imperfect Yellow.

5/ PRR= Phytophthora Root Rot Resistance: PRR Genes listed designate resistance to PRR Races listed in Introduction.



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## 2007 Organic Soybean Variety Trial Results

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### About Our Organic Production Trial

The Wisconsin Organic Soybean 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 sites certified for organic production. Seed used for the trials were either organically produced or untreated non-organic varieties. 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 a certified organic site in Arlington, WI. 2006-2007.

Originator/ Brand	Entry	Maturity Group	2007 Arlington					2006-2007 2-Test Average				
			Yield <sup>1</sup> bu/a	Lodging <sup>2</sup> 1-5	Protein %	Oil %	Protein plus oil <sup>3</sup> lb/a	Yield bu/a	Lodging 1-5	Protein %	Oil %	Protein plus oil lb/a
Iowa	HP204	2.0	54	4.0	37.1	18.5	1788	55	3.8	37.8	17.7	1829
Iowa	IA1006	1.6	62	3.0	35.3	19.3	2031	61	3.2	35.3	18.5	1977
Iowa	IA1010	1.9	65	2.3	35.9	18.7	2110	58	2.3	36.3	17.7	1880
Iowa	IA1008	2.0	59	2.3	36.0	18.9	1946	53	2.2	35.9	18.0	1715
Iowa	IA2042	2.0	57	4.0	37.6	18.1	1918	60	3.5	38.4	17.1	1993
Iowa	IA2053	2.0	61	2.8	37.4	18.3	2030	59	2.8	38.0	17.2	1948
Iowa	IA2068	2.1	57	2.8	34.7	19.0	1832					
Iowa	IA2076	2.3	*68	4.0	35.8	18.8	2215					
Iowa	Vinton 81	2.0	52	3.8	37.9	17.9	1736	51	3.4	38.3	17.0	1713
Minnesota	1005	1.6	48	4.0	35.6	19.6	1598					
Blue River Hybrids	1A24	1.2	59	1.5	36.0	19.1	1958	61	1.4	36.1	18.4	2007
Blue River Hybrids	1F44	1.4	55	3.0	37.8	18.3	1838	58	2.8	38.3	17.6	1950
Blue River Hybrids	16A7	1.6	63	3.0	34.7	19.5	2051	*69	2.5	34.3	18.5	2181
Blue River Hybrids	1F61	1.6	65	2.5	35.9	19.7	2182					
Blue River Hybrids	21YP7	2.1	60	1.8	37.4	18.8	2032	58	1.8	37.7	18.2	1928
Blue River Hybrids	2A12	2.1	62	3.8	35.7	19.3	2040	*65	3.3	35.7	18.3	2102
Blue River Hybrids	24A7C	2.4	61	2.3	35.7	19.0	2012					
Blue River Hybrids	24F8	2.4	*71	2.3	36.3	19.0	2341					
Blue River Hybrids	25YP6	2.5	56	3.3	35.9	18.7	1817					
Blue River Hybrids	2A71	2.7	59	2.0	35.7	18.5	1921					
Dairyland	DSR-218	2.1	*66	1.5	35.3	19.7	2175	60	1.8	35.6	18.8	1958
Gold Country	3415FG	1.4	57	2.5	38.0	18.3	1926					
Gold Country	Kandi	1.4	59	1.5	36.6	19.1	1971					
NK Brand	S20-F8	2.0	60	2.3	35.6	19.4	1968	58	2.9	35.6	18.7	1887
Pattison	7317	1.7	54	3.3	38.1	18.5	1834					
Pattison	7319	1.9	57	3.3	37.8	18.0	1924	62	3.1	38.0	17.3	2045
Pattison	7321	2.1	61	2.8	37.9	18.3	2065	62	2.7	38.7	17.4	2088
Pioneer	92M10	2.1	*68	2.0	35.3	19.5	2230	*68	2.0	34.9	18.6	2174
Viking	O.1832	1.8	59	2.5	34.9	19.7	1948	64	2.2	34.5	19.1	2061
Viking	O.2022	2.0	*66	2.0	34.9	19.7	2154	66	2.2	34.1	19.4	2138
Mean			60	2.7	36.3	18.9	1986	60	2.6	36.5	18.1	1977
LSD (0.10)			5	0.8	0.5	0.3	178	4	0.5	0.4	0.2	127

<sup>1</sup> Yields values preceded by a "\*" are not significantly different (0.10 level) than the highest variety in each category.

<sup>2</sup> Lodging score: 1=no lodging ... 5=all plants flat.

<sup>3</sup> Total yield of protein and oil per acre

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

### Notes on the 2007 organic soybean variety trial

With financial support from the Wisconsin Soybean Marketing Board, we were able to continue to test more "specialty" organic varieties in 2007. Varieties in this trial were either entered by participating companies or by soybean researchers at UW-Madison. Our goal was to test specialty varieties in our organic system so as to provide information to growers on yield potential and grain composition. Specialty varieties for this trial were defined as any non-GMO variety that had specialty traits for which there is potentially a market for which may pay a price premium. The 2007 trial was planted on certified organic land at Arlington, WI.

### *Location of the 2007 Trial*



#### **Columbia County Trial**

Arlington Ag Research Station

- RCB design, 4 reps
- Planted: 18-May-07
- Harvested: 8-Oct-07
- 30" row spacing, silt loam soil
- Seeding rate: 144,000 viable seeds/a
- Soil pH: 6.6 OM:4.8% P:75 ppm  
K: 89 ppm
- Weed Control: cultivation, rotary hoe, tine and hand weeding

### Seed Source Contact Information

Brand	Company	Address	City	State	Zip	Phone	Website
BR Hybrids	Blue River Hybrids	27087 Timber Rd	Kelley	IA	50134	800-370-7979	www.blueriverorgseed.com
Dairyland	Dairyland Seed Co., Inc	Post Office Box 958	West Bend	WI	53095	800-236-0163	www.dairylandseed.com
Gold Country	Gold Country Seed, Inc.	16506 Highway 15 N	Hutchinson	MN	55350	800-795-8544	www.goldcountryseed.com
Iowa	Iowa State University	4611 Mortensen Rd	Ames	IA	50014	515-292-3947	www.ag.iastate.edu/centers/cad
Minnesota	MN Crop Improv. Assoc.	1900 Hendon Ave.	St. Paul	MN	55108	800-510-6242	www.mncia.org
NK Brand	Syngenta Seeds	933 Fly Wheel Circle	De Forest	WI	53532	608-846-0664	www.nk-us.com
Pattison	Pattison Brothers	701 King St	Fayette	IA	52142	800-632-5952	www.pattisonbros.com
Pioneer	Pioneer Hi-Bred Intl.,Inc.	99 Navaho Avenue	Mankato	MN	56001	800-851-9043	www.pioneer.com
Viking	Albert Lea Seed House	1414 W. Main	Albert Lea	MN	56007	800-352-5247	www.alseed.com

### Information on organic 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>