

2008

**WISCONSIN
SOYBEAN
VARIETY
TEST
RESULTS**

**Department of Agronomy
College of Agricultural and Life Science
University of Wisconsin-Madison**

Wisconsin Crop Improvement Association

University of Wisconsin - Extension



2008 WISCONSIN SOYBEAN VARIETY TEST RESULTS

A3654

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2008 Report

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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 2008. Delayed planting coupled with cooler than normal conditions and lack of rainfall in July

and August led to a projected statewide average soybean yield of 34 bu/a. This is down 6.5 bushels from 2007.

Soybean planting started late and lagged behind the 5 year average throughout much of May. Late planting and cool environmental conditions led to delayed crop emergence statewide. In 2008 only 25% of soybeans had emerged by June 1st. This is down 15% from the 5 year average.

Southern and Central Wisconsin received excessive rainfall events in early June. This led to significant flooding, crop loss, and widespread replanting of soybean and corn acres. Temperatures in June and July remained cooler than normal which led to delayed crop development statewide.

Temperatures in August remained below normal. This led to the WI soybean crop lagging 150 to 200 gdu's behind the 30 year norm. In relation to the calendar the soybean crop was approximately 7 to 10 days behind schedule.

Extremely dry conditions were prevalent across much of Wisconsin in August. This led to significant yield loss to our soybean crop. Hardest hit were the early planted and early maturity groups soybean varieties. These varieties had matured prior to capturing the early September rainfall.

Most of September and October was characterized by warmer than normal weather.

This allowed the soybean crop to progress through the dry down phase of development and limited grower exposure to frost damage. Soybean maturity and harvest progress was slightly behind the 5 year average. Source: 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.

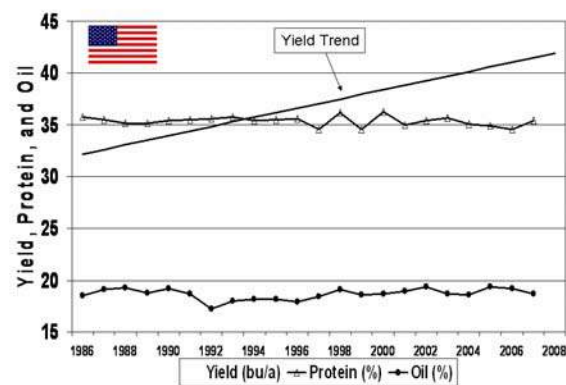
Protein and Oil

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 2007, soybeans grown across the US averaged 35.4% protein and 18.7% oil. (www.soygrowers.com)

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 2000 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 12) 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

There are several races of Phytophthora in Wisconsin, thus selection of soybean varieties with the appropriate resistance gene is paramount for its control. 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 12 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 2008, 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 6, and 7.

Emerging Soybean Diseases

Sudden death syndrome (SDS) and stem canker (SC) were observed in 2008. The incidence and severity of SC was 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 SDS and SC.

Soybean Rust

Asian Soybean Rust was not confirmed in Wisconsin in 2008. 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 Illinois. It is not known whether soybean rust will infect Wisconsin grown soybeans in 2009. Consequently, growers might wonder about soybean variety options for 2009. 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)

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. 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 2008 SCN variety trial are presented in Table 8. 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. Many SCN resistant varieties are also resistant to brown stem rot.

Soybean Viruses and Insects

Soybean aphid populations were variable in Wisconsin, but overall the soybean aphid was not a significant yield-limiting problem in 2008. 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 2009. 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 indicates 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://www.coolbean.info>. Further disease information can also be obtained 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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TABLE 1. GENERAL INFORMATION ON THE 2008 SOYBEAN TESTS

Location	Cooperators	Row Spacing	Soil Type	Soil Tests ¹			Pesticide Program ²	Planting Date	Harvest Date	Average Yield		
										2008	2007	07-08
Arlington RR Variety Trial (VT)	John Gaska Paul Bergum	15"	Silt loam	pH: 6.9 P: 62	OM: 3.9 K: 131		PPI: Dul, Pur Post: Rnd	8-May	23-Oct	74	68	71
Arlington Conventional VT	John Gaska Paul Bergum	15"	Silt loam	pH: 6.9 P: 62	OM: 3.9 K: 131		PPI: Dul, Pur Post: Bas, Har, Asr	8-May	23-Oct	65	64	65
Arlington Late White Mold VT	John Gaska Paul Bergum	7.5"	Silt loam Irrigated	pH: 6.3 P: 23	OM: 3.0 K: 127		PPI: Dul, AuthF Post: CN-Bas, Har : RR-Rnd	13-May	22-Oct	70	72	71
Chippewa Falls Variety Trial	Jerry Clark	15"	Silt loam	pH: 6.4 P: 37	OM: 2.1 K: 108		Pre: None Post: Rnd, Pur	14-May	16-Oct	39	18	29
Fond du Lac Variety Trial	Ed Montsma Mike Rankin	15"	Silt loam	pH: 6.5 P: 29	OM: 3.9 K: 97		Pre: None Post: Rnd, Pur	9-May	13-Oct	54	63	59
Galesville Variety Trial	Ken Congdon John Zander	15"	Silt loam	pH: 5.9 P: 52	OM: 3.6 K: 215		Pre: None Post: Rnd(2), Asr	12-May	20-Oct	68	65	67
East Troy SCN Variety Trial	Bob David	30"	Sandy Loam	pH: 8.0 P: 3	OM: 7.0 K: 120		Pre: Dul, AuthF Post: None	13-May	21-Oct	45	60	53
Hancock Variety Trial	Joylyn Rasmussen	15"	Sand Irrigated	pH: 6.1 P: 37	OM: 0.7 K: 54		Pre: None Post: Rnd, Asr(2)	8-May	31-Oct	72	68	70
Janesville Variety Trial	Jim Stute	15"	Silt loam	pH: 6.6 P: 54	OM: 3.9 K: 189		Pre: None Post: Rnd(2), Asr	6-May	10-Oct	65	67	66
Lancaster RR Variety Trial	Tim Wood	15"	Silt loam	pH: 6.4 P: 26	OM: 2.3 K: 115		PPI: Pur, Prw, Snc Post: Rnd	10-May	14-Oct	55	70	63
Lancaster Conventional VT	Tim Wood	15"	Silt loam	pH: 6.4 P: 26	OM: 2.3 K: 115		PPI: Pur, Prw, Snc Post: Har	10-May	14-Oct	46	65	56
Marshfield Variety Trial	Mike Bertram	15"	Silt loam	pH: 6.3 P: 59	OM: 3.4 K: 201		PPI: Frnt, Otlk Post: Rnd, Asr	20-May	23-Oct	37	43	40
Marshfield Early White Mold VT	Mike Bertram	7.5"	Silt loam	pH: 6.7 P: 76	OM: 2.6 K: 211		PPI: Frnt, Otlk Post: Rnd, Asr	20-May	23-Oct	43	51	47
Muscoda SCN Variety Trial	Studnicka Bros. Ted Bay	15"	Silt loam	pH: 6.6 P: 103	OM: 1.2 K: 117		Pre: None Post: Rnd, Asr	5-May	11-Oct	33	new	
Seymour Variety Trial	Mike Maass Kevin Jarek	15"	Clay loam	pH: 7.2 P: 22	OM: 2.8 K: 161		Pre: None Post: Rnd	16-May	22-Oct	52	52	52
Spooner Dry Land VT	Phil Holman	7"	Silt Loam	pH: 6.4 P: 21	OM: 2.6 K: 115		Pre: None Post: Rnd	20-May	17-Oct	20	13	17
Spooner Irrigated VT	Phil Holman	7"	Sandy Loam	pH: 6.6 P: 95	OM: 2.0 K: 144		Pre: None Post: Rnd	20-May	23-Oct	46	48	47
Sturgeon Bay Variety Trial	Dick Weidman	15"	Silt Loam	pH: 7.0 P: 175	OM: 1.9 K: 173		Pre: None Post: Rnd	16-May	3-Oct	36	26	31

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

² Pesticide Abbreviations: CN= Conventional, RR= Tolerance to glyphosate herbicide, AuthF= Authority First, Asr= Assure, Bas= Basagran, Cin= Cinch, Dul= Dual II Magnum, Frnt= 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	2008 3-Test Average						2008			2007 3-Test Average						6 -Test
			Yield	Lodging	Maturity	Protein	Oil	Protein plus Oil	ARL	JAN	LAN	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 1802	1.8	65	1.0	18-Sep	33.1	19.8	2057	78	67	49							
Asgrow	AG 2002	2.0	63	1.0	22-Sep	33.9	19.3	1999	74	62	52	67	2.0	19-Sep	34.8	19.4	2177	65
Asgrow	AG 2108	2.1	65	1.0	23-Sep	32.8	19.5	2040	73	66	56							
Asgrow	AG 2406	2.4	* 68	1.0	23-Sep	33.5	19.9	2175	* 80	* 68	56	68	1.3	18-Sep	35.2	19.7	2256	68
Asgrow	AG 2606	2.6	65	1.0	27-Sep	35.7	17.6	2073	71	67	56	67	1.3	25-Sep	36.8	17.7	2183	66
Croplan	RT 2092	2.0	61	1.0	22-Sep	32.7	19.4	1909	74	60	49	* 70	1.1	18-Sep	34.5	19.7	2256	65
Croplan	RT 2117	2.1	65	1.0	16-Sep	34.8	19.1	2093	73	64	58							
Croplan	RC 2287	2.2	59	1.0	23-Sep	33.1	18.9	1848	67	62	49							
Croplan	RT 2292	2.2	64	1.0	20-Sep	32.6	19.6	2008	72	65	56	* 70	1.3	18-Sep	34.1	19.7	2251	67
Croplan	RC 2517	2.5	62	1.0	26-Sep	33.7	18.4	1958	68	65	54							
Crow's	C 2430 R	2.4	60	1.0	25-Sep	33.4	18.9	1881	66	58	56							
Crow's	C 2918 R	2.9	62	1.1	3-Oct	32.9	19.0	1929	67	64	55							
Dahlco	8210 NRR	2.1	63	1.0	23-Sep	32.7	19.7	1976	74	66	50							
Dairyland	DSR-2200/RR	2.2	* 68	1.0	27-Sep	33.8	19.0	2145	72	* 72	* 59	* 70	1.6	20-Sep	34.8	19.6	2278	* 69
Dairyland	DSR-2300/RR	2.3	66	1.1	27-Sep	33.1	19.0	2069	75	66	58	67	2.0	26-Sep	34.4	19.6	2189	67
Dairyland	DST25-002/RR	2.5	* 68	1.1	27-Sep	33.9	18.9	2157	* 80	* 68	56							
Dairyland	DSR-2770/RR	2.7	* 70	1.2	30-Sep	34.2	18.8	2213	* 80	* 73	56							
FS HiSOY	R08-20	2.0	65	1.1	25-Sep	33.3	19.6	2054	74	60	* 60							
FS HiSOY	HS 2166	2.1	64	1.1	19-Sep	34.3	19.6	2050	74	64	53	* 71	2.8	16-Sep	35.4	19.4	2331	67
FS HiSOY	HS 22R70	2.2	65	1.0	24-Sep	32.1	19.8	2036	77	67	52	* 71	1.7	18-Sep	33.8	20.0	2302	68
FS HiSOY	HS 23R71	2.3	64	1.0	25-Sep	33.8	19.0	2012	67	* 68	56							
FS HiSOY	R08-26	2.6	62	1.0	26-Sep	32.5	19.0	1924	68	66	53							
FS HiSOY	HS 2766	2.7	* 69	1.3	30-Sep	31.7	19.7	2132	76	* 71	* 61	69	2.1	27-Sep	34.4	19.8	2252	* 69
G2 Genetics	7226	2.2	63	1.0	24-Sep	32.6	19.8	1989	72	60	58							
G2 Genetics	7255	2.5	65	1.3	28-Sep	32.6	19.1	2024	73	65	57							
G2 Genetics	7288	2.8	65	1.3	27-Sep	31.6	19.7	1978	68	66	* 60							
Hughes	327	2.3	66	1.0	26-Sep	34.1	18.9	2083	74	61	* 62	* 72	1.8	23-Sep	35.1	19.4	2345	* 69
Hughes	555	2.5	65	1.1	23-Sep	34.6	18.7	2090	72	65	* 59	* 76	2.3	22-Sep	35.6	18.9	2493	* 71
Hughes	668	2.6	64	1.0	23-Sep	35.7	17.6	2049	68	66	* 59							
Hughes	777	2.7	* 69	1.3	26-Sep	35.2	18.0	2211	75	* 71	* 62							

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	2008 3-Test Average						2008			2007 3-Test Average						6 -Test
			Yield	Lodging	Maturity	Protein	Oil	Protein plus Oil	ARL	JAN	LAN	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
Kaltenberg	KB 2309 RR	2.3	59	1.0	23-Sep	33.2	19.0	1852	68	60	50							
Kaltenberg	KB 2409 RR	2.4	62	1.0	24-Sep	33.8	19.3	1974	74	60	52							
Kaltenberg	KB 249 RR	2.4	64	1.0	26-Sep	34.3	18.6	2019	72	63	56	* 70	1.8	22-Sep	35.2	19.0	2285	67
Kaltenberg	KB 2609 RR	2.6	67	1.1	27-Sep	32.8	19.2	2076	* 80	62	58							
Kaltenberg	KB 278 RR	2.7	64	1.2	27-Sep	32.9	19.0	2005	72	63	58							
Kruger	K-100 RR	1.0	60	1.0	12-Sep	33.5	19.7	1915	77	56	47	60	1.0	5-Sep	34.9	19.5	1972	60
Kruger	K-129 RR	1.2	62	1.0	12-Sep	34.4	19.3	1985	75	58	52							
Kruger	K-147 RR/SCN	1.2	59	1.0	12-Sep	33.6	19.6	1901	74	59	45	62	1.3	5-Sep	35.1	19.6	2045	61
Kruger	K-142 RR	1.4	60	1.0	12-Sep	33.2	19.9	1898	78	55	46	62	1.0	6-Sep	34.5	19.6	2026	61
Kruger	K-163 RR	1.6	58	1.0	16-Sep	33.2	19.1	1818	69	60	44	69	1.5	12-Sep	35.1	19.1	2236	63
Kruger	K-167 RR/SCN	1.6	60	1.0	19-Sep	32.1	20.0	1872	73	64	43	67	1.1	9-Sep	34.5	20.0	2191	63
Kruger	K-189 RR/SCN	1.8	58	1.0	18-Sep	33.2	19.6	1820	67	57	49							
Kruger	K-201 RR/SCN	2.0	62	1.0	19-Sep	34.3	19.4	1992	72	60	54	67	2.4	15-Sep	35.2	19.5	2221	65
Kruger	K-204 RR/SCN	2.0	65	1.0	22-Sep	31.5	19.9	2000	78	63	53	69	1.3	18-Sep	33.9	20.1	2241	67
Kruger	K-228 RR/SCN	2.2	62	1.0	23-Sep	31.7	19.9	1908	73	64	48	* 72	1.9	19-Sep	34.0	19.9	2329	67
Kruger	K-239 RR	2.3	67	1.0	27-Sep	33.9	19.2	2145	* 81	66	55	* 71	1.8	22-Sep	34.9	19.6	2302	* 69
Kruger	K-248 RR/SCN	2.4	62	1.0	25-Sep	32.8	19.7	1948	69	63	54	* 73	1.9	21-Sep	34.9	19.5	2376	67
Kruger	K-251 RR/SCN	2.5	65	1.0	25-Sep	33.8	18.3	2028	72	* 68	54	66	1.2	26-Sep	34.6	18.9	2122	65
Kruger	K-256 RR	2.5	66	1.2	28-Sep	33.6	18.8	2058	73	67	57	66	2.3	23-Sep	35.1	19.0	2154	66
Kruger	K-271 RR	2.7	* 68	1.0	1-Oct	34.3	18.6	2171	71	* 71	* 63	* 70	1.7	28-Sep	35.0	19.5	2284	* 69
Kruger	K-274 RR/SCN	2.7	64	1.3	28-Sep	34.1	18.9	2050	74	59	* 60							
Latham	L 2303 R	2.3	* 68	1.1	24-Sep	33.9	18.9	2129	74	* 69	* 60							
Latham	L 2348 R	2.3	59	1.0	22-Sep	33.2	18.9	1836	70	60	46							
Latham	E 2683 R	2.6	64	1.0	25-Sep	32.1	19.2	1964	69	67	55							
Midwest	GR 2731	2.7	64	1.0	22-Sep	31.7	19.7	1960	76	64	51							
Midwest	GR 2751	2.7	66	1.1	1-Oct	34.6	18.5	2091	75	64	58							
NK Brand	S 20-P3	2.0	67	1.5	21-Sep	34.0	18.9	2132	* 80	64	58							
NK Brand	S 21-N6	2.1	* 68	1.1	21-Sep	31.8	20.0	2102	* 83	65	56	* 73	1.8	19-Sep	33.9	20.1	2363	* 71
NK Brand	S 23-N7	2.3	* 71	1.2	24-Sep	32.8	19.2	2202	77	* 73	* 62							
NK Brand	S 24-J1	2.4	* 69	1.0	25-Sep	34.9	18.7	2214	76	* 71	* 59	* 71	2.3	27-Sep	35.7	19.1	2333	* 70

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	2008 3-Test Average						2008			2007 3-Test Average						6 -Test
			Yield	Lodging	Maturity	Protein	Oil	Protein plus Oil	ARL	JAN	LAN	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
NK Brand	XR 2584	2.5	66	1.2	23-Sep	32.7	19.4	2074	74	61	* 64							
NK Brand	S 27-C4	2.7	64	1.0	28-Sep	33.4	19.0	2005	70	65	56							
NK Brand	S 28-B4	2.8	66	1.1	24-Sep	32.9	18.9	2044	72	* 68	58	* 72	2.6	25-Sep	33.9	19.4	2290	* 69
NuTech	NT-7193+RR/SCN	1.9	63	1.1	22-Sep	32.7	19.9	1979	71	63	54							
NuTech	7201	2.0	* 70	1.0	22-Sep	31.4	20.3	2172	* 81	* 69	* 60							
NuTech	6211	2.1	* 69	1.0	19-Sep	34.6	19.0	2198	* 81	66	* 59	* 70	1.0	25-Sep	35.1	19.4	2271	* 69
NuTech	NT-2324+RR/SCN	2.3	67	1.0	23-Sep	33.4	19.6	2125	79	66	56	69	1.2	22-Sep	34.9	19.8	2257	68
NuTech	6242	2.4	* 68	1.1	27-Sep	33.3	19.3	2148	78	66	* 60	* 70	1.9	21-Sep	34.3	20.0	2271	* 69
NuTech	7242	2.4	61	1.0	23-Sep	33.0	18.9	1896	77	61	45							
NuTech	7261	2.6	67	1.1	27-Sep	33.1	19.1	2095	77	61	* 64							
NuTech	NT-2660 RR/SCN	2.6	* 72	1.0	27-Sep	32.0	19.1	2261	* 87	* 71	* 59	* 70	1.3	21-Sep	34.2	19.5	2252	* 71
NuTech	6277	2.7	66	1.0	25-Sep	32.8	18.8	2020	76	66	55							
NuTech	7274	2.7	* 69	1.0	25-Sep	32.3	19.0	2128	79	* 68	* 61							
NuTech	6281	2.8	* 68	1.1	27-Sep	34.2	18.6	2166	76	67	* 62	* 71	2.3	22-Sep	35.0	19.6	2343	* 70
O'Brien	O'Soy 150 RR	1.5	64	1.0	16-Sep	33.4	19.4	2027	75	60	57							
O'Brien	O'Soy 212 RR	2.1	63	1.0	22-Sep	32.6	19.9	1998	77	60	53							
Pioneer Brand	92Y30	2.3	66	1.0	24-Sep	32.0	20.1	2123	78	67	54							
Pioneer Brand	92Y80	2.8	* 68	1.2	30-Sep	34.8	18.9	2202	* 80	* 69	56							
Renk	RS 239 RR	2.3	66	1.0	27-Sep	33.2	19.1	2078	75	67	57							
Renk	RS 259 NRR	2.5	* 68	1.0	25-Sep	35.1	18.5	2196	* 83	* 71	51							
Renk	RS 265 RR	2.6	64	1.0	24-Sep	34.6	18.5	2045	71	66	56	* 71	2.5	23-Sep	35.2	19.3	2325	68
Renk	RS 277 NRR	2.7	* 73	1.0	1-Oct	32.0	18.9	2239	* 84	* 71	* 65	* 73	1.0	28-Sep	33.9	19.1	2299	* 73
Stine	2032-4	1.9	61	1.0	22-Sep	32.7	19.9	1910	69	62	51							
Stine	2420-4	2.2	67	1.0	24-Sep	34.2	18.8	2135	* 80	* 68	54							
Trelay	2252	2.5	65	1.1	24-Sep	34.6	18.5	2082	72	66	58							
Trelay	2277	2.7	* 68	1.3	1-Oct	34.4	18.6	2171	77	* 69	58							
Mean			65	1.1	24-Sep	33.4	19.2	2044	74	65	55	68	1.6	21-Sep	34.7	19.4	2214	67
LSD(0.10)			5	ns	3	0.6	0.4	161	7	5	6	6	0.5	3	0.4	0.3	149	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. 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	2008 3-Test Average						2008			2007 3-Test Average						6-Test
			Yield	Lodging	Maturity	Protein	Oil	Protein	FON	GAL	HAN	Yield	Lodging	Maturity	Protein	Oil	Protein	Ave. Yield
			bu/A	1-5	date	%	%	lb/A	-----	bu/A-----		bu/A	1-5	date	%	%	lb/A	
Asgrow	AG 1102	1.1	63	2.1	14-Sep	33.0	19.0	1955	56	66	66							
Asgrow	AG 1403	1.4	* 69	1.2	14-Sep	33.3	19.0	2128	56	* 75	* 76	* 66	1.3	19-Sep	34.6	18.7	2119	* 68
Asgrow	AG 1802	1.8	65	1.1	18-Sep	33.1	19.5	2052	51	* 73	71	* 68	1.3	17-Sep	34.5	19.7	2210	* 67
Asgrow	AG 1906	1.9	* 68	1.5	21-Sep	34.0	19.2	2185	57	* 73	* 75							
Asgrow	AG 2002	2.0	65	1.6	23-Sep	34.7	18.5	2070	55	* 72	68	* 67	1.8	21-Sep	34.8	19.3	2154	* 66
Asgrow	AG 2108	2.1	* 67	1.2	23-Sep	33.6	19.0	2132	55	* 72	* 75							
Croplan	RT 1992	1.9	64	1.3	18-Sep	32.7	19.3	2012	56	69	68	* 68	1.2	19-Sep	34.3	19.7	2188	* 66
Croplan	RT 2092	2.0	* 68	1.3	20-Sep	33.1	19.1	2139	57	* 74	74	* 66	1.1	23-Sep	34.3	19.6	2136	* 67
Croplan	RT 2117	2.1	65	1.4	20-Sep	34.5	18.6	2061	46	* 73	* 75							
Croplan	RT 2292	2.2	* 67	1.3	20-Sep	32.9	19.2	2081	57	69	74	* 67	1.1	23-Sep	34.0	19.8	2150	* 67
Crow's	C 1617 R	1.6	64	1.2	18-Sep	32.9	19.5	2025	50	69	74							
Crow's	C 2318 R	2.3	* 66	1.5	27-Sep	34.9	18.3	2123	56	* 74	69							
Dahlco	8080 RR	0.8	59	2.1	13-Sep	33.0	18.9	1847	51	63	63							
Dahlco	8110 RR	1.1	62	2.3	14-Sep	33.9	19.1	1991	54	68	65							
Dahlco	8120 RR	1.2	61	1.3	15-Sep	34.9	19.0	1965	56	64	62							
Dahlco	8150 RR	1.5	63	1.4	19-Sep	33.8	19.3	2018	52	67	71							
Dahlco	7160 RR	1.6	64	1.2	21-Sep	34.5	18.6	2024	53	68	70	* 66	1.2	20-Sep	34.1	20.0	2137	65
Dahlco	7180 NNRRSTS	1.8	65	2.0	23-Sep	34.3	18.9	2081	56	64	* 76							
Dahlco	8170 RRC	1.8	* 67	1.5	21-Sep	35.3	18.1	2155	* 64	64	73							
Dahlco	8190 NRR	1.9	65	1.5	21-Sep	32.7	19.5	2029	50	67	* 77							
Dahlco	8200 RRC	2.0	65	1.5	24-Sep	34.5	18.6	2072	56	65	74							
Dahlco	8210 NRR	2.1	64	1.3	20-Sep	33.6	19.0	2009	49	70	72							
Dairyland	DSR-1850/RRSTS	1.8	62	1.3	23-Sep	34.8	18.5	1995	51	69	67	64	1.9	21-Sep	35.6	18.9	2104	63
Dairyland	DSR-199/RRSTS	1.9	61	1.2	22-Sep	35.6	18.2	1973	53	63	67	* 65	1.3	23-Sep	35.5	18.9	2106	63
Dairyland	DSR-2200/RR	2.2	* 67	1.5	26-Sep	34.6	18.7	2153	* 62	* 72	68	* 65	1.8	24-Sep	35.1	19.2	2101	* 66
Dyna-Gro	38G23	2.3	65	1.5	25-Sep	32.7	19.1	2039	51	68	* 76							
Dyna-Gro	34Y25	2.5	61	1.2	26-Sep	34.5	17.8	1914	* 58	66	60							
Dyna-Gro	SX0 8726	2.6	62	1.6	2-Oct	33.6	18.5	1922	43	* 73	69							
FS HiSOY	R08-20	2.0	* 66	1.4	24-Sep	34.5	18.6	2115	57	62	* 80							
FS HiSOY	HS 2166	2.1	* 69	1.5	21-Sep	34.6	19.0	2237	* 59	70	* 79	* 67	1.8	22-Sep	35.0	19.4	2167	* 68
FS HiSOY	HS 22R70	2.2	* 66	1.3	24-Sep	33.0	19.1	2073	52	* 72	* 75							
G2 Genetics	6178	1.7	* 68	1.3	19-Sep	36.1	18.8	2224	* 63	67	73							
G2 Genetics	7186	1.8	* 66	1.8	17-Sep	33.9	19.5	2118	* 60	65	73							
G2 Genetics	7226	2.2	* 69	1.4	25-Sep	33.8	19.4	2211	* 59	* 74	* 75							
Gold Country	1918 RR	1.8	61	1.3	22-Sep	34.6	18.8	1967	51	59	72							

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TABLE 3. 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	2008 3-Test Average						2008			2007 3-Test Average						6-Test
			Yield	Lodging	Maturity	Protein	Oil	Protein	FON	GAL	HAN	Yield	Lodging	Maturity	Protein	Oil	Protein	Ave. Yield
			bu/A	1-5	date	%	%	lb/A	-----	bu/A-----		bu/A	1-5	date	%	%	lb/A	
Gold Country	2717 NRR	1.8	63	1.3	20-Sep	32.8	19.6	2004	50	65	* 75	* 65	1.0	17-Sep	34.2	20.1	2108	64
Gold Country	2820 NRR	2.0	* 66	1.3	20-Sep	32.6	19.6	2057	52	67	* 78							
Gold Country	8820 NRR	2.0	65	1.3	23-Sep	32.5	19.5	2032	47	70	* 79							
Gold Country	9822 RR	2.2	* 69	1.6	28-Sep	34.7	18.5	2195	55	* 74	* 77	* 68	1.8	25-Sep	35.1	19.3	2207	* 68
Jung	8102 RR	1.0	62	1.7	13-Sep	34.2	19.2	1991	55	67	65							
Jung	8131 RR	1.3	65	1.3	19-Sep	32.8	19.6	2017	52	69	74							
Jung	8164 RR	1.6	62	1.3	18-Sep	33.5	18.9	1965	49	66	72							
Jung	8183 RR	1.8	* 66	1.3	21-Sep	34.5	18.7	2102	51	67	* 79							
Jung	8199 RR	1.9	* 70	1.2	20-Sep	32.9	19.1	2171	* 59	* 73	* 77							
Jung	8219 RR	2.1	* 67	1.3	19-Sep	34.5	18.6	2126	50	* 74	* 76							
Kaltenberg	KB 1809 RR	1.8	65	1.1	21-Sep	34.3	18.7	2058	52	66	* 76							
Kaltenberg	KB 194 RR	1.9	61	1.3	22-Sep	33.6	19.3	1952	49	64	70							
Kaltenberg	KB 196 RR	1.9	65	1.3	22-Sep	33.7	19.1	2062	53	* 72	70	* 68	1.3	22-Sep	34.6	19.6	2214	* 67
Kaltenberg	KB 203 RR	2.0	64	1.5	21-Sep	33.0	19.0	2012	52	67	74							
Kaltenberg	KB 226 RR	2.2	* 67	1.4	27-Sep	34.8	18.5	2141	* 58	70	72	* 67	1.7	23-Sep	35.3	19.0	2178	* 67
Kruger	K-058 RR	0.5	56	2.5	8-Sep	35.5	18.9	1779	51	51	65							
Kruger	K-079 RR	0.7	55	1.8	8-Sep	36.2	18.7	1816	41	58	66							
Kruger	K-072+RR	0.8	62	1.5	13-Sep	34.3	19.2	1999	48	66	72	* 65	1.1	12-Sep	35.4	18.7	2104	63
Kruger	K-091 RR	0.9	61	1.6	13-Sep	34.2	19.2	1932	52	61	71	62	1.4	12-Sep	34.9	18.6	1977	62
Kruger	K-100 RR	1.0	57	1.3	16-Sep	33.8	19.2	1800	41	63	66	61	1.1	14-Sep	34.9	19.2	1975	59
Kruger	K-129 RR	1.2	59	1.4	16-Sep	34.4	19.1	1908	49	61	68							
Kruger	K-147 RR/SCN	1.2	63	1.8	16-Sep	34.1	19.6	2025	49	67	72	62	1.2	14-Sep	35.4	19.1	2019	62
Kruger	K-142 RR	1.4	64	1.3	16-Sep	33.9	19.5	2042	51	67	73	64	1.0	15-Sep	34.3	19.6	2087	64
Kruger	K-163 RR	1.6	62	1.3	19-Sep	33.6	18.8	1948	53	67	66	* 66	1.0	16-Sep	34.5	19.3	2132	64
Kruger	K-167 RR/SCN	1.6	65	1.5	21-Sep	32.8	19.5	2036	51	66	* 77	* 66	1.3	15-Sep	34.6	19.7	2138	65
Kruger	K-189 RR/SCN	1.8	62	1.3	22-Sep	34.5	18.7	1988	54	66	66							
Kruger	K-201 RR/SCN	2.0	* 66	1.8	22-Sep	34.8	18.9	2135	57	66	* 76	* 69	2.0	22-Sep	35.1	19.2	2247	* 68
Kruger	K-204 RR/SCN	2.0	* 66	1.3	23-Sep	32.7	19.4	2061	51	69	* 78	63	1.3	20-Sep	33.7	20.0	2027	65
Kruger	K-228 RR/SCN	2.2	* 67	1.3	23-Sep	32.8	19.2	2106	55	70	* 77	* 68	1.6	19-Sep	33.8	19.9	2177	* 68
Kruger	K-239 RR	2.3	* 69	1.5	26-Sep	34.7	18.5	2207	* 60	71	* 76	64	1.4	21-Sep	35.0	19.2	2073	* 66
Latham	L 1983 R	1.9	* 66	1.3	22-Sep	33.2	19.3	2088	55	70	74							
Latham	E 2083 R	2.0	* 70	1.5	23-Sep	33.7	19.1	2203	55	* 72	* 82							
Latham	L 2285 R	2.2	* 67	1.5	23-Sep	32.6	19.4	2098	56	69	* 77							
Midwest	GR 1833	1.8	62	1.3	19-Sep	34.6	18.6	1987	54	63	69							
Midwest	GR 2334	2.3	* 67	1.6	28-Sep	34.8	18.4	2137	* 59	67	74							

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TABLE 3. 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	2008 3-Test Average						2008			2007 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
NK Brand	S 17-B5	1.7	* 66	1.7	20-Sep	32.5	18.8	2042	* 58	70	71							
NK Brand	S 17-Z7	1.7	63	1.6	18-Sep	33.0	18.8	1955	53	65	70	63	1.5	17-Sep	34.2	18.8	2024	63
NK Brand	S 18-Y3	1.8	65	1.3	19-Sep	35.0	18.1	2071	53	71	72							
NK Brand	S 20-P3	2.0	* 69	2.1	25-Sep	34.6	18.3	2179	* 63	* 72	71							
NK Brand	S 21-N6	2.1	* 69	1.6	25-Sep	32.4	19.5	2147	* 62	* 73	72	* 70	1.4	23-Sep	33.8	19.8	2296	* 70
NuTech	6175	1.7	* 67	1.5	22-Sep	34.1	18.9	2133	56	65	* 80	* 69	1.4	19-Sep	34.4	19.7	2229	* 68
NuTech	NT-1808 RR/SCN	1.8	* 71	1.3	26-Sep	34.4	18.7	2275	53	* 78	* 82							
NuTech	7201	2.0	* 68	1.3	22-Sep	32.7	19.4	2144	* 62	70	73							
NuTech	NT-6205+RR	2.0	64	1.2	22-Sep	32.8	19.1	1997	52	* 72	68	* 69	1.3	19-Sep	33.8	19.7	2212	* 66
NuTech	6212	2.1	63	1.3	25-Sep	33.4	18.9	1990	53	65	71							
NuTech	6224	2.2	* 69	1.6	28-Sep	34.6	18.5	2194	* 61	* 74	72							
NuTech	NT-2220 RR	2.2	63	1.5	26-Sep	34.1	18.2	1976	54	70	65	* 67	2.0	25-Sep	34.7	18.6	2127	65
NuTech	NT-6234 RR	2.3	* 68	1.1	22-Sep	32.6	19.1	2108	57	70	* 76	* 69	1.5	19-Sep	34.1	19.6	2210	* 68
NuTech	7241	2.4	60	1.2	19-Sep	32.5	19.7	1866	43	65	71							
O'Brien	O'Soy 150 RR	1.5	63	1.5	20-Sep	33.5	19.2	1991	52	63	73							
O'Brien	O'Soy 212 RR	2.1	* 66	1.4	21-Sep	33.4	19.2	2076	55	68	74							
Pioneer Brand	91Y90	1.9	64	1.3	19-Sep	34.3	18.6	2015	53	69	69							
Pioneer Brand	92Y30	2.3	* 66	1.2	23-Sep	33.4	19.3	2102	56	* 74	69							
Renk	RS 169 RR	1.6	64	1.3	17-Sep	33.4	19.0	2033	55	67	71							
Renk	RS 179 NRR	1.7	63	1.5	24-Sep	35.3	18.2	2026	* 58	65	66							
Renk	RS 223 RR	2.1	* 69	1.4	19-Sep	33.1	19.1	2168	* 59	70	* 79	* 67	1.0	21-Sep	34.1	19.7	2163	* 68
Renk	RS 239 RR	2.3	65	1.8	28-Sep	34.3	18.1	1977	53	* 74	67							
Renk	RS 259 NRR	2.5	* 68	1.4	25-Sep	36.1	17.8	2192	* 60	70	* 75							
Trelay	2166	1.6	60	1.3	20-Sep	33.5	19.0	1897	48	66	67	* 70	1.1	17-Sep	34.5	19.3	2253	65
Trelay	2195	1.9	64	1.3	21-Sep	34.2	18.8	2040	54	65	73							
Trelay	2214	2.1	* 68	1.3	20-Sep	34.7	18.4	2125	55	* 73	* 75	* 66	1.1	22-Sep	35.0	19.2	2158	* 67
MEAN			65	1.4	20-Sep	33.9	18.9	2052	54	68	72	66	1.4	19-Sep	34.6	19.3	2122	66
LSD(0.10)			5	0.4	3	0.5	0.3	161	6	6	7	5	0.5	3	0.4	0.3	149	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 4. NORTH-CENTRAL REGION ROUNDUP READY SOYBEAN TEST (Page 1 of 2)

Performance of Commercial Entries at Three North Central Wisconsin Locations.

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

Originator/Brand	Entry	Maturity Group	2008 3-Test Average						2008 Yields			2007 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
Asgrow	AG 0803	0.8	* 44	1.0	17-Sep	32.9	19.9	1379	40	38	53	35	1.3	7-Sep	34.7	19.4	1126	39
Asgrow	AG 0808	0.8	41	1.0	18-Sep	32.0	19.8	1267	31	37	* 56							
Asgrow	AG 1102	1.1	* 45	1.0	20-Sep	32.4	19.0	1392	40	* 40	55							
Asgrow	AG 1403	1.4	* 44	1.0	22-Sep	32.8	19.2	1382	38	38	* 57	* 39	1.0	18-Sep	34.9	19.0	1258	* 42
Asgrow	AG 1506	1.5	* 45	1.0	26-Sep	32.2	20.1	1391	* 43	35	* 56							
Croplan	RT 1992	1.9	* 44	1.0	26-Sep	32.3	19.7	1372	* 47	36	50							
Croplan	RC 2020	2.0	43	1.0	27-Sep	32.6	20.2	1341	38	37	53							
Croplan	RT 2117	2.1	* 44	1.0	29-Sep	34.1	19.0	1386	36	* 40	55							
Croplan	RT 2292	2.2	43	1.0	1-Oct	32.3	19.5	1343	39	39	51							
Dahlco	8080 RR	0.8	41	1.0	18-Sep	32.0	19.4	1256	36	34	53							
Dahlco	8110 RR	1.1	* 45	1.0	20-Sep	33.8	19.2	1412	40	* 41	53							
Dahlco	8120 RR	1.2	43	1.0	21-Sep	34.1	19.2	1382	39	35	54							
Dahlco	8150 RR	1.5	* 44	1.0	23-Sep	33.6	19.5	1388	* 43	38	50							
Dahlco	7160 RR	1.6	43	1.0	26-Sep	34.2	19.0	1389	35	* 45	50							
Dahlco	8170 RRC	1.8	43	1.0	29-Sep	34.3	18.8	1373	40	* 40	49							
Dairyland	DSR-1500/RRSTS	1.5	40	1.0	24-Sep	34.1	19.2	1301	35	36	50	38	1.2	17-Sep	35.4	19.2	1225	39
Dairyland	DSR-1601/RR	1.6	42	1.0	25-Sep	33.8	19.3	1324	37	37	52	38	1.0	19-Sep	35.9	18.8	1216	40
Dairyland	DSR-1701/RRSTS	1.7	41	1.0	29-Sep	34.2	19.2	1297	35	39	48	* 41	1.0	22-Sep	35.3	19.7	1355	* 41
Dyna-Gro	37Y21	2.1	* 45	1.0	1-Oct	32.4	19.7	1423	41	* 42	53							
Dyna-Gro	38G23	2.3	* 46	1.0	1-Oct	31.5	20.0	1433	* 42	* 40	* 57							
G2 Genetics	7148	1.4	42	1.0	22-Sep	35.1	18.6	1349	35	38	52							
G2 Genetics	7151	1.5	* 46	1.0	25-Sep	33.2	19.3	1446	* 44	* 42	53							
Gold Country	2509 RR	0.9	* 44	1.0	21-Sep	34.1	19.6	1440	41	36	* 56							
Gold Country	1915 NRR	1.5	43	1.0	25-Sep	32.4	19.9	1353	39	36	55							
Jung	8067 RR	0.6	40	1.0	14-Sep	33.6	19.4	1283	32	32	* 57							
Jung	8102 RR	1.0	* 44	1.0	20-Sep	34.5	19.3	1410	39	38	54							
Jung	8168 RR	1.3	* 46	1.0	22-Sep	32.3	19.9	1450	* 46	35	* 57							
Jung	8164 RR	1.6	42	1.0	24-Sep	32.8	19.3	1306	39	37	49							
Kaltenberg	KB 147 RR	1.4	39	1.0	22-Sep	31.9	20.1	1218	35	32	51							
Kaltenberg	KB 158 RR	1.5	* 44	1.0	24-Sep	33.5	19.3	1374	38	* 40	53	* 40	1.3	21-Sep	35.0	19.1	1283	* 42
Kaltenberg	KB 1609 RR	1.6	* 45	1.0	23-Sep	33.0	19.3	1398	* 43	37	54							
Kruger	K-028 RR	0.2	35	1.0	11-Sep	35.3	19.7	1159	33	28	44							
Kruger	K-042 RR	0.4	38	1.0	15-Sep	34.2	19.8	1219	36	33	45	35	1.3	5-Sep	35.8	19.7	1175	37
Kruger	K-058 RR	0.5	40	1.0	17-Sep	35.5	19.0	1322	40	34	47							
Kruger	K-079 RR	0.7	37	1.0	17-Sep	36.9	18.5	1222	35	30	46							

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TABLE 4. 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	2008 3-Test Average						2008 Yields			2007 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	43	1.0	18-Sep	34.8	19.1	1393	* 42	38	50	35	1.0	13-Sep	35.6	19.1	1144	39
Kruger	K-091 RR	0.9	42	1.0	19-Sep	34.4	19.3	1357	39	37	50	36	1.2	8-Sep	35.2	19.0	1164	39
Kruger	K-100 RR	1.0	38	1.0	22-Sep	34.0	19.6	1210	36	33	44	36	1.0	13-Sep	35.4	19.7	1185	37
Kruger	K-129 RR	1.2	43	1.0	22-Sep	34.6	19.2	1382	39	37	53							
Kruger	K-147 RR/SCN	1.2	40	1.0	21-Sep	33.8	19.7	1283	35	36	48	37	1.1	14-Sep	34.9	19.4	1208	38
Kruger	K-142 RR	1.4	42	1.0	21-Sep	33.4	19.7	1339	40	35	51	36	1.0	16-Sep	34.6	20.0	1174	39
Kruger	K-163 RR	1.6	* 46	1.0	23-Sep	33.1	19.3	1458	40	* 40	* 59	* 40	1.1	21-Sep	35.1	19.0	1272	* 43
Kruger	K-167 RR/SCN	1.6	41	1.0	26-Sep	32.4	19.9	1297	40	35	49	* 41	1.1	21-Sep	34.6	20.0	1373	* 41
Kruger	K-189 RR/SCN	1.8	36	1.0	30-Sep	34.6	18.7	1170	33	32	44							
NK Brand	S 08-C3	0.8	40	1.0	19-Sep	32.7	19.4	1247	34	33	53	37	1.1	9-Sep	35.1	18.9	1197	39
NK Brand	S 10-K1	1.0	41	1.0	21-Sep	35.0	18.6	1302	35	34	53							
NK Brand	S 12-P4	1.2	42	1.0	22-Sep	34.5	19.0	1349	* 44	35	47	* 41	1.3	13-Sep	35.1	19.1	1341	* 41
NK Brand	S 17-B5	1.7	* 45	1.0	25-Sep	31.9	19.2	1399	41	38	* 57							
NK Brand	S 17-Z7	1.7	* 45	1.0	21-Sep	32.0	19.4	1382	* 43	39	52	* 40	1.0	17-Sep	34.0	19.3	1282	* 43
NuTech	6134	1.3	* 44	1.0	22-Sep	34.0	19.2	1398	39	37	* 56							
NuTech	6145	1.4	* 48	1.0	23-Sep	33.1	19.4	1519	* 44	39	* 62	* 39	1.1	18-Sep	34.2	19.5	1243	* 44
NuTech	7154	1.5	* 45	1.0	24-Sep	32.3	19.8	1396	* 43	* 41	50							
NuTech	6166	1.6	* 45	1.0	27-Sep	34.2	18.7	1419	37	* 44	53	* 41	1.0	23-Sep	34.9	19.2	1329	* 43
NuTech	6175	1.7	* 45	1.0	29-Sep	32.8	19.6	1430	* 42	* 40	54							
NuTech	NT-1717 RR/SCN	1.7	* 46	1.0	27-Sep	32.3	20.1	1460	* 48	37	54	* 40	1.1	20-Sep	34.3	20.2	1298	* 43
NuTech	NT-1808 RR/SCN	1.8	* 48	1.0	30-Sep	33.4	19.5	1524	* 43	* 41	* 60							
NuTech	NT-6205+RR	2.0	43	1.0	27-Sep	31.9	19.8	1337	39	35	55	* 43	1.0	24-Sep	34.3	19.7	1387	* 43
Pioneer Brand	91Y20	1.2	37	1.0	19-Sep	34.9	18.8	1188	37	31	43							
Pioneer Brand	91Y90	1.9	* 48	1.0	26-Sep	33.6	18.9	1508	* 45	* 43	* 57							
Renk	RS 067 RR	0.6	41	1.0	18-Sep	35.5	19.1	1340	39	* 40	44	33	1.3	4-Sep	36.2	19.0	1092	37
Renk	RS 107 RR	1.0	42	1.0	20-Sep	33.9	19.5	1349	40	33	53	* 39	1.2	11-Sep	34.8	19.3	1290	* 41
Renk	RS 115 RR	1.1	37	1.0	23-Sep	34.1	19.3	1193	33	32	46	* 39	1.2	17-Sep	35.4	19.7	1272	38
Renk	RS 147 RR	1.4	* 47	1.0	24-Sep	33.9	18.8	1495	* 43	39	* 59							
Renk	RS 169 RR	1.6	* 46	1.0	25-Sep	32.9	19.3	1453	* 45	* 40	54							
Trelay	2061	0.6	38	1.0	15-Sep	33.6	19.4	1227	29	35	51							
Trelay	2134	1.3	42	1.0	19-Sep	34.8	18.6	1356	39	36	52							
Trelay	2166	1.6	* 45	1.0	22-Sep	33.0	19.2	1413	* 45	36	54							
MEAN			43	1.0	23-Sep	33.5	19.4	1355	39	37	52	38	1.1	15-Sep	35.0	19.4	1224	40
LSD(0.10)			4	ns	3	0.6	0.3	124	6	5	6	4	ns	4	0.8	0.6	124	3

* 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. 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	2008 3-Test Average						2008 Yields			2007 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
Asgrow	AG 0803	0.8	* 38	1.0	21-Sep	33.8	19.2	1192	* 26	49	* 38	29	1.3	16-Sep	35.9	18.7	935	* 33
Asgrow	AG 0808	0.8	* 35	1.0	19-Sep	33.4	19.0	1107	* 23	47	36							
Croplan	RT 0947	0.9	32	1.0	21-Sep	34.1	19.0	1029	20	43	34							
Croplan	RT 1077	1.0	* 36	1.0	22-Sep	35.0	18.6	1138	* 21	48	* 38							
Croplan	RT 1227	1.2	* 35	1.0	23-Sep	34.9	18.1	1096	19	50	35							
Croplan	RT 1692	1.6	* 35	1.0	25-Sep	34.3	18.4	1118	* 24	48	34							
Dairyland	DSR-1302/RRSTS	1.3	* 37	1.0	25-Sep	34.6	18.2	1173	* 21	48	* 43	* 32	1.0	18-Sep	36.2	18.2	1046	* 35
Dyna-Gro	39F16	1.6	* 38	1.0	26-Sep	34.0	18.5	1194	* 24	* 52	* 39							
Dyna-Gro	31D20	2.0	* 38	1.0	30-Sep	34.4	18.8	1198	* 22	* 57	35							
Kaltenberg	KB 087 RR	0.8	* 35	1.0	23-Sep	34.7	18.7	1116	20	46	* 39	31	1.1	18-Sep	35.3	19.0	998	* 33
Kaltenberg	KB 094 RR	0.9	* 35	1.0	23-Sep	33.8	19.5	1115	* 21	47	37							
Kaltenberg	KB 106 RR	1.0	* 34	1.0	24-Sep	33.9	19.3	1092	18	48	37							
Kruger	K-009+RR	0.1	30	1.0	11-Sep	35.9	19.1	1000	16	42	33	22	1.5	5-Sep	36.9	18.7	733	26
Kruger	K-028 RR	0.2	26	1.0	14-Sep	35.2	18.7	855	17	30	31							
Kruger	K-042 RR	0.4	32	1.0	19-Sep	35.2	19.0	1037	* 22	41	33	27	1.0	13-Sep	36.9	18.8	896	30
Kruger	K-058 RR	0.5	32	1.1	18-Sep	35.4	18.5	1035	19	43	34							
Kruger	K-079 RR	0.7	31	1.0	18-Sep	36.9	18.0	1018	16	42	35							
Kruger	K-072+RR	0.8	* 36	1.0	24-Sep	35.2	18.4	1150	* 22	50	36	30	1.0	17-Sep	36.5	18.4	976	* 33
Kruger	K-091 RR	0.9	* 34	1.0	22-Sep	34.8	18.9	1082	* 21	46	34	31	1.0	16-Sep	36.0	18.5	1005	* 32
Kruger	K-100 RR	1.0	32	1.0	25-Sep	34.1	19.1	1003	15	42	* 38	29	1.0	17-Sep	36.9	18.5	966	30
NK Brand	S 06-W2	0.6	* 36	1.0	17-Sep	34.9	18.3	1126	20	* 52	35							
NK Brand	S 08-C3	0.8	32	1.0	19-Sep	33.7	18.7	1003	20	39	37	29	1.0	14-Sep	35.4	18.7	934	31
NK Brand	S 10-K1	1.0	* 35	1.0	23-Sep	35.8	18.1	1113	* 25	47	32							
Renk	RS 067 RR	0.6	32	1.0	17-Sep	35.9	18.6	1033	18	41	36							
Renk	RS 107 RR	1.0	* 35	1.0	23-Sep	34.8	18.8	1122	20	45	* 40							
MEAN			34	1.0	21-Sep	34.7	18.7	1086	20	46	36	29	1.2	14-Sep	36.4	18.4	946	31
LSD(0.10)			4	ns	3	0.8	0.5	129	5	6	5	4	0.5	4	0.8	0.5	108	3

* 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 drought and care should be taken when interpreting the results.

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

TABLE 6. EARLY MATURITY (MG 0.0-1.9) SOYBEAN WHITE MOLD TEST

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

Originator/Brand	Entry	Maturity Group	Herb. ¹ Toler.	2008						2007						2-Year	
				Yield	White Mold ²	Lodging	Protein	Oil	Protein plus Oil	Yield	White Mold ²	Lodging	Protein	Oil	Protein plus Oil	Yield	White Mold ²
				bu/A	%	1-5	%	%	lb/A	bu/A	%	1-5	%	%	lb/A	bu/A	%
Dairyland	DSR-1302/RRSTS	1.3	RR/STS	46	39	1.0	35.9	16.9	1459	* 53	6	1.8	34.0	18.8	1678	50	23
Dairyland	DSR-1850/RRSTS	1.8	RR/STS	45	33	2.0	36.1	17.0	1439	* 58	15	2.8	34.8	18.7	1859	* 52	24
Dyna-Gro	32Y09	0.9	RR	40	65	1.8	35.0	17.3	1259								
Kruger	K-042 RR	0.4	RR	* 52	20	1.5	34.2	18.2	1629	* 55	8	1.8	33.6	19.5	1757	* 54	14
Kruger	K-058 RR	0.5	RR	36	38	2.8	37.2	16.6	1172								
Kruger	K-079 RR	0.7	RR	45	26	1.0	37.5	16.9	1468								
Kruger	K-072+RR	0.8	RR	41	34	1.3	36.7	16.5	1304	50	13	1.5	35.1	18.7	1606	46	23
Kruger	K-091 RR	0.9	RR	* 48	35	1.5	35.4	17.6	1517	* 54	8	1.5	34.4	18.4	1697	* 51	21
Kruger	K-100 RR	1.0	RR	37	53	1.0	36.0	16.9	1174	* 52	19	2.0	33.6	19.5	1671	45	36
Kruger	K-129 RR	1.2	RR	* 50	28	1.0	36.4	17.0	1609								
Kruger	K-147 RR/SCN	1.2	RR	41	53	1.5	35.4	17.5	1295	49	24	2.3	34.2	19.4	1582	45	38
Kruger	K-142 RR	1.4	RR	* 48	29	1.5	35.5	17.7	1517	* 53	8	2.3	33.7	19.3	1674	* 51	18
Kruger	K-163 RR	1.6	RR	43	39	1.0	34.5	17.5	1347	* 56	10	1.8	33.6	18.9	1759	50	24
Kruger	K-167 RR/SCN	1.6	RR	40	53	1.3	34.3	17.8	1252	54	10	1.5	33.7	19.3	1724	47	31
Kruger	K-170 RR/SCN	1.7	RR	33	59	1.8	37.2	16.2	1069	51	10	2.0	34.7	18.5	1639	42	34
Kruger	K-189 RR/SCN	1.8	RR	41	33	1.5	36.1	17.1	1303								
Kruger	K-194 RR	1.9	RR	30	78	1.3	34.8	16.2	903	50	33	2.3	32.6	18.8	1543	40	55
Latham	E 1958 R	1.9	RR	41	50	1.8	35.5	17.2	1304								
NK Brand	S 08-C3	0.8	RR	47	19	1.3	33.7	17.5	1450								
NK Brand	S 10-K1	1.0	RR	* 51	20	1.0	36.3	16.9	1619								
NK Brand	S 12-P4	1.2	RR	* 48	39	1.5	36.8	17.0	1556								
NK Brand	S 14-A7	1.4	RR	47	41	1.0	35.5	17.2	1481								
NK Brand	S 17-Z7	1.7	RR	38	63	1.0	34.6	17.0	1177								
MEAN				43	41	1.4	35.7	17.1	1361	51	13	1.8	33.9	18.9	1625	48	28
LSD(0.10)				4	10	0.4	0.5	0.4	128	4	7	0.6	0.5	0.3	119	3	7

* 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

² White Mold data is expressed as a percent of diseased plants.

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

TABLE 7. LATE MATURITY (MG 2.0-2.9) SOYBEAN WHITE MOLD TEST
Performance of Commercial Entries In White Mold Disease Field Environment at Arlington, WI.

Originator/Brand	Entry	2008								2007						2-Year	
		Maturity Herb. ¹		Yield	White Mold ²	Lodging	Protein	Oil	Protein plus Oil	Yield	White Mold ²	Lodging	Protein	Oil	Protein plus Oil	Yield	White Mold ²
		Group	Toler.														
				bu/A	%	1-5	%	%	lb/A	bu/A	%	1-5	%	%	lb/A	bu/A	%
Dairyland	DSR-2118	2.1	CN	71	0	1.0	34.7	18.3	2271								
Dairyland	DSR-2200/RR	2.2	RR	* 73	0	1.0	35.0	17.7	2297	* 91	18	1.5	35.4	19.3	2989	* 82	9
Dairyland	DSR-2300/RR	2.3	RR	* 75	0	1.0	34.8	17.6	2370								
FS HiSOY	R08-20	2.0	RR	66	0	1.0	34.4	18.1	2083								
FS HiSOY	HS 22R70	2.2	RR	66	0	1.0	33.4	18.4	2068								
FS HiSOY	HS 23R71	2.3	RR	* 78	0	1.0	34.8	17.8	2455								
Kruger	K-195+RR/SCN	2.0	RR	68	0	1.0	34.2	18.4	2137								
Kruger	K-201 RR/SCN	2.0	RR	69	0	1.0	35.4	18.2	2213	* 81	23	3.0	36.2	19.3	2703	* 75	11
Kruger	K-204 RR/SCN	2.0	RR	70	0	1.0	33.8	18.2	2179	* 82	29	2.0	34.2	20.1	2670	* 76	14
Kruger	K-220 RR/SCN/LINO	2.2	RR	59	0	1.0	35.6	17.7	1882	74	29	2.0	35.9	19.6	2481	67	14
Kruger	K-228 RR/SCN	2.2	RR	67	0	1.0	33.4	18.3	2078	* 83	31	3.3	34.4	20.0	2704	* 75	16
Kruger	K-239 RR	2.3	RR	71	0	1.0	34.9	18.0	2246	* 86	29	2.5	35.6	19.5	2825	* 79	14
Kruger	K-245 RR/SCN/LINO	2.4	RR	68	0	1.0	35.1	17.7	2145	61	54	2.5	35.6	19.4	2006	65	27
Kruger	K-247 RR/SCN	2.4	RR	63	0	1.0	33.8	18.1	1954								
Kruger	K-248 RR/SCN	2.4	RR	68	0	1.0	34.7	17.9	2142	74	44	3.0	35.2	19.6	2418	71	22
Kruger	K-249 RR/SCN	2.4	RR	* 75	0	1.0	36.1	17.1	2383								
Kruger	K-251 RR/SCN	2.5	RR	70	0	1.0	35.3	17.0	2188	72	30	2.0	35.3	18.7	2332	71	15
Kruger	K-256 RR	2.5	RR	68	0	1.0	33.8	17.8	2097	76	39	2.5	35.6	19.0	2498	72	19
Kruger	K-263 RR/SCN/LINO	2.6	RR	71	0	1.0	33.9	17.9	2202	58	71	4.3	34.6	19.5	1868	65	36
Kruger	K-271 RR	2.7	RR	* 78	0	1.0	35.4	17.6	2469	* 81	35	2.5	35.3	19.6	2666	* 80	18
Kruger	K-272 RR/SCN/LINO	2.7	RR	63	0	1.0	35.0	17.6	1974	49	56	4.0	35.8	19.1	1617	56	28
Kruger	K-274 RR/SCN	2.7	RR	69	0	1.0	34.7	18.0	2195								
Kruger	K-275 RR/SCN	2.7	RR	* 72	0	1.0	33.6	18.3	2242	59	68	4.5	34.4	19.8	1915	66	34
Kruger	K-285 RR/SCN	2.8	RR	70	0	1.0	33.6	18.0	2159								
Kruger	K-297 RR/SCN	2.9	RR	69	0	1.0	35.1	16.9	2147	66	57	2.8	35.0	18.6	2110	68	29
Latham	L 2348 R	2.3	RR	63	0	1.0	33.9	17.7	1939								
Latham	L 2085 R	2.0	RR	* 74	0	1.0	34.8	18.0	2327								
Midwest	GR 2437	2.4	RR	* 73	0	1.0	34.1	17.9	2273								
NK Brand	S 20-P3	2.0	RR	* 74	0	1.0	35.0	17.6	2329								
NK Brand	S 23-N7	2.3	RR	* 77	0	1.0	33.9	18.0	2389								
MEAN				70	0	1.0	34.5	17.9	2194	72	39	2.6	35.2	19.3	2347	71	20
LSD(0.10)				6	ns	ns	0.4	0.3	201	11	18	1.4	0.4	0.2	391	8	9

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

¹ Herbicide Tolerance : RR= Tolerance to glyphosate herbicide , CN = Conventional herbicide tolerance.

² White Mold data is expressed as a percent of diseased plants.

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

TABLE 8. SOYBEAN CYST NEMATODE TEST
Performance of Commercial Roundup Ready Entries In SCN Disease Field Environment at East Troy and Muscoda, WI.

Originator/Brand Entry		2008 2-Test Average						2008									3-Test Ave. Yield bu/A
		Maturity Group	SCN Resistance Source	Yield	Protein	Oil	Protein plus Oil	East Troy				Muscoda					
								Yield	Egg Counts ²		Pf/Pi ³	Yield	Egg Counts ²		Pf/Pi ³		
									Spring (i)	Fall (f)			Spring (i)	Fall (f)			
				bu/A	%	%	lb/A	bu/A					bu/A				
G2 Genetics	7186	1.8	Peking	39	32.5	20.8	1242	50	1347	1320	1	28	474	175	0	42	
G2 Genetics	7226	2.2	Peking	* 47	31.3	21.0	1510	* 58	1627	1667	1	* 35	1102	172	0		
Kruger	K-147 RR/SCN	1.2	PI 88788	32	32.9	20.4	1019	33	2200	4660	2	31	148	2687	18		
Kruger	K-167 RR/SCN	1.6	PI 88788	35	31.9	20.9	1092	39	3100	1507	0	30	1483	2741	2		
Kruger	K-189 RR/SCN	1.8	PI 88788	34	32.9	19.8	1081	40	3827	1880	0	28	126	2813	22		
Kruger	K-201 RR/SCN	2.0	PI 88788	36	33.1	20.3	1130	41	3000	1360	0	30	318	1335	4		
Kruger	K-204 RR/SCN	2.0	PI 88788	* 41	31.0	20.8	1274	44	2320	1680	1	* 38	622	2075	3	* 48	
Kruger	K-228 RR/SCN	2.2	PI 88788	39	30.9	20.7	1214	42	1000	1360	1	* 36	338	273	1	* 48	
Kruger	K-247 RR/SCN	2.4	Peking	36	31.8	20.6	1091	45	2820	1387	0	27	536	353	1	42	
Kruger	K-248 RR/SCN	2.4	PI 88788	35	32.1	20.5	1103	40	1347	2333	2	30	1033	2641	3		
Kruger	K-249 RR/SCN	2.4	PI 88788	* 41	33.2	20.1	1296	45	653	400	1	* 36	880	1900	2		
Kruger	K-251 RR/SCN	2.5	PI 88788	* 41	31.9	20.0	1298	46	3320	1760	1	* 36	578	4198	7	* 48	
Kruger	K-274 RR/SCN	2.7	PI 88788	* 44	31.8	20.5	1358	52	973	1013	1	* 35	1252	5178	4	45	
Latham	E 2225 RX	2.2	PU SCN-14	34	32.7	20.2	1096	39	2800	14500	5	28	1628	8332	5		
Latham	L 2285 R	2.2	PI 88788	* 42	31.1	20.7	1302	48	1053	1293	1	* 36	301	734	2		
Latham	L 2658 R	2.6	PI 88788	40	31.7	20.2	1248	49	653	2200	3	31	494	295	1		
Midwest	GR 2233	2.2		* 43	31.1	20.7	1322	51	1560	933	1	* 34	680	5048	7		
NK Brand	S 08-M8	0.8	PI 88788	27	33.3	19.8	844	25	2000	4067	2	28	270	3166	12		
NK Brand	H 1604-RR	1.6	PI 88788	38	32.8	20.7	1205	38	1720	1460	1	* 37	1013	935	1	49	
NK Brand	S 17-A1	1.7	PI 88788	37	32.8	20.1	1177	42	1980	1820	1	32	1448	2027	1		
NK Brand	S 23-N7	2.3	PI 88788	* 45	31.8	20.4	1383	52	3020	1733	1	* 38	727	2892	4		
NK Brand	XR 2584	2.5	PI 88788	* 44	32.3	20.1	1404	* 54	760	800	1	* 34	89	279	3		
NK Brand	S 27-C4	2.7	PI 88788	39	31.8	20.6	1216	44	1240	1420	1	* 34	808	3715	5		
NuTech	NT-1808 RR/SCN	1.8	PI 88788	* 41	32.0	20.6	1299	47	2580	800	0	* 35	1182	2343	2		
NuTech	7201	2.0	PI 88788	* 42	30.9	21.2	1301	45	427	2040	5	* 38	610	1268	2	* 48	
NuTech	NT-2324+RR/SCN	2.3	PI 88788	* 42	32.0	20.6	1320	45	2787	1860	1	* 38	271	1079	4	* 49	
NuTech	7242	2.4	PI 88788	35	32.8	19.9	1109	40	2147	907	0	29	1220	2311	2	45	
NuTech	NT-2660 RR/SCN	2.6	PI 88788	40	30.6	20.6	1225	44	2453	1520	1	* 36	1459	5028	3	* 49	
NuTech	7274	2.7	PI 88788	* 42	31.4	20.4	1276	50	1880	2000	1	33	709	1414	2	46	
Pioneer Brand	92Y20	2.2	Peking	* 44	31.2	20.9	1478	51	1720	280	0	* 37	426	202	0		
Pioneer Brand	92Y80	2.8	PI 88788	* 44	32.0	20.9	1379	49	1293	1613	1	* 39	999	487	0		
MEAN				39	32.0	20.5	1235	45	1923	2051	1	33	749	2197	4		
LSD(0.10)				6	0.9	0.6	193	4				5	ns	3251		3	

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

² Average number of eggs in one hundred cubic centimeters of soil, and composited by variety treatment for East Troy.

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

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

TABLE 9. CONVENTIONAL HERBICIDE SOYBEAN TEST

Performance of Public and Commercial Entries at Two Wisconsin Locations.

ARL=ARLINGTON, LAN=LANCASTER

Originator/Brand	Entry	Maturity Group	Herb. ¹ Toler.	2008 2-Test Average						2008		2007 3-Test Average ²						5 -Test ²
				Yield	Lodging	Maturity	Protein	Oil	Protein	ARL	LAN	Yield	Lodgin	Maturity	Protein	Oil	Protein	Ave.
				bu/A	1-5	date	%	%	lb/A	----	bu/A----	bu/A	1-5	date	%	%	lb/A	Yield
Public	MN 1005	1.0	CN	51	1.0	7-Sep	33.0	20.1	1608	62	39							
Public	MN 1410	1.4	CN	52	1.0	15-Sep	34.4	19.6	1691	63	41	66	2.9	19-Sep	36.3	19.0	2179	60
Public	IA 2076	2.0	CN	54	1.0	17-Sep	34.6	19.1	1729	61	46	* 70	3.5	23-Sep	35.8	19.1	2311	* 63
Public	IA 1022	2.2	CN	* 59	1.0	20-Sep	31.1	20.8	1837	* 70	48							
Public	W 04-573	2.4	CN	52	1.0	28-Sep	34.4	19.0	1638	58	45	56	3.4	26-Sep	36.6	18.9	1871	54
Public	W 04-668	2.4	CN	48	1.0	29-Sep	34.2	19.1	1547	56	40	57	3.0	28-Sep	36.6	18.8	1887	53
Public	W 04-680	2.5	CN	49	1.0	25-Sep	33.0	19.7	1531	57	40	63	1.7	22-Sep	35.7	18.6	2055	57
Public	W 04-551	2.6	CN	50	1.0	28-Sep	33.8	19.6	1601	58	42							
Public	W 04-701	2.6	CN	50	1.0	28-Sep	33.3	19.1	1582	61	39	64	1.7	27-Sep	36.0	18.3	2069	58
Blue River	1A24	1.2	CN	56	1.0	21-Sep	34.9	19.0	1810	65	47							
Blue River	1F44	1.4	CN	46	1.0	10-Sep	37.0	18.3	1512	55	36							
Blue River	15F8	1.5	CN	52	1.0	14-Sep	35.7	18.6	1672	60	43							
Blue River	16A7	1.6	CN	* 63	1.0	15-Sep	32.4	19.7	1971	* 76	50							
Blue River	19A9	1.9	CN	* 60	1.0	20-Sep	34.3	19.0	1914	68	* 52							
Blue River	2A12	2.1	CN	* 60	1.0	21-Sep	34.2	19.1	1910	65	* 54	* 68	3.1	19-Sep	36.2	18.7	2231	* 64
Blue River	24F8	2.4	CN	56	1.0	27-Sep	35.4	18.8	1809	67	45	61	1.8	28-Sep	36.6	18.7	2017	59
Blue River	2A71	2.7	CN	* 62	1.0	29-Sep	34.1	18.6	1947	* 72	51	65	2.2	30-Sep	36.1	18.5	2118	* 63
CGB	7422	2.2	CN	* 64	1.0	25-Sep	32.5	19.8	2008	* 74	* 54	* 68	2.4	25-Sep	35.8	18.8	2212	* 66
CGB	7809	2.2	CN	* 59	1.0	22-Sep	32.4	20.2	1841	68	49	* 71	2.3	27-Sep	35.6	19.1	2317	* 66
Dairyland	DSR-2118	2.1	CN	* 62	1.0	23-Sep	32.3	20.5	1947	* 70	* 53							
Dairyland	DSR-22/STS-UL	2.2	STS	58	1.0	24-Sep	32.8	19.3	1801	69	46	* 73	2.4	22-Sep	35.9	18.7	2411	* 67
Hughes	225+	2.2	CN	* 59	1.0	24-Sep	32.1	20.3	1866	61	* 57							
NK Brand	S 20-F8	2.0	CN	57	1.0	22-Sep	32.1	20.1	1788	65	49							
O'Brien	O'Soy 201 C	2.0	CN	* 59	1.0	18-Sep	30.8	20.9	1831	68	50							
Viking	O.1312	1.3	CN	53	1.0	22-Sep	34.4	19.1	1699	63	43							
Viking	O.1692	1.6	CN	* 60	1.0	16-Sep	33.2	19.4	1874	* 72	47							
Viking	O.2022	2.0	CN	55	1.0	18-Sep	32.9	19.9	1745	66	44	62	1.5	16-Sep	34.8	19.4	2034	59
Viking	O.2265	2.2	CN	* 63	1.0	26-Sep	32.9	19.6	1983	* 76	50							
Mean				56	1.0	21-Sep	33.5	19.5	1775	65	46	68	2.4	26-Sep	35.0	18.7	2191	61
LSD(0.10)				5	ns	3	0.9	0.4	134	6	5	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 : STS = Tolerance to Sulfonylurea herbicides, CN = Conventional herbicide tolerance.

² 2007 Averages and 5-Test includes a third site at Janesville WI.

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

TABLE 10. SEED SOURCE FOR SOYBEAN ENTRIES IN 2008

Brand	Company Name	Address	Phone	Website
Asgrow	Monsanto Company	800 N. Linbergh Blvd , St. Louis , MO . 63137	(815) 754-4809	www.monsanto.com
Blue River	Blue River Hybrids	27087 Timber Road , Kelly , IA . 50134	(800) 370-7979	www.blueriverorgseed.com
CGB	Consolidated Grain and Barge	701 King Street P.O. Box 398 , Fayette , IA . 52142	(563) 425-3361	
Croplan Genetics	Winfield Solutions	180 Lynne Trail , Oregon , WI . 53575	(608) 516-4636	www.croplangenetics.com
Crow's	Crow's Hybrids	612 E. Dunlap St P.O. Box 157 , Kentland , IN . 47951	(800) 331-7201	www.crowshybrid.com
Dahlco	Dahlco Seeds	14730 15th St. SW , Cokato , MN . 55321	(320) 286-5982	www.dahlco.com
Dairyland	Dairyland Seed Company Inc.	P.O. Box 958, 3570 Hwy. H , West Bend , WI . 53095	(800) 236-0163	www.dairylandseed.com
Dyna-Gro	UAP Distribution, Inc.	N5853 5th Ave. , Plainfield , WI . 54966	(715) 340-4757	www.dyna-groseed.com
FS Hisoy	Growmark Inc.	1701 Towanda Ave. , Bloomington , IL . 61701	(309) 557-6399	www.fsseeds.com
G2 Genetics	G2 Genetics	36131 Hwy 69 , Forest City , IA . 50436	(641) 581-3350	nutechseed.com
Gold Country	Gold Country Seed, Inc.	16506 Hwy. 15 N. P.O. Box 604 , Hutchinson , MN . 55350	(320) 587-1050	www.goldcountryseed.com
Hughes	Hughes Seed Farms, Inc.	206 N. Hughes Rd. , Woodstock , IL . 60098	(815) 338-1141	www.HughesHybrids.com
Jung	Jung Seed Genetics	341 South High Street , Randolph , WI . 53956	(800) 242-1855	www.jungseedgenetics.com
Kaltenberg	Kaltenberg Seed Farms	5506 State Road 19 P.O. Box 278 , Waunakee , WI . 53597	(608) 849-5021	www.kaltenbergseeds.com
Kruger	Kruger Seed Company	33938 160th Ave. P.O. Box A , Dike , IA . 50624	(800) 772-2721	www.krugerseed.com
Latham	Latham Seed Company	131 180th St. , Alexander , IA . 50420	(800) 798-3258	www.lathamseeds.com
Midwest	Midwest Seed Genetics	1617 E 10th P.O. Box 54101 , Carrol , IA . 51401	(800) 369-8218	www.midwestseed.com
NK Brand	Syngenta	31502 County 25 North , Peterson , MN . 55962	(507) 875-2344	www.nk.com
NuTech	NuTech Seed	36131 Hwy 69 , Forest City , IA . 50436	(641) 581-3350	nutechseed.com
O'Brien	O'Brien Farms, Inc.	552 Glenway Rd. , Brooklyn , WI . 53521	(608) 835-3564	
Pioneer Brand	Pioneer Hi-Bred Intl., Inc.	151 St. Andrews Court, Suite 910 , Mankato , MN . 56001	(507) 625-3045	www.pioneer.com
Public	WCIA / Foundation Seeds	1575 Linden Drive , Madison , WI . 53706	(608) 262-1341	www.wisc.edu/wcia
Renk	Renk Seed	6809 Wilburn Rd. , Sun Prairie , WI . 53590	(608) 837-7351	www.renkseed.com
Stine	Stine Seed Company	22555 Laredo Trail , Adel , IA . 50003	(515) 677-2605	www.stineseed.com
Trelay	Trelay Seeds Co.	11623 Hwy. 80 , Livingston , WI . 53554	(608) 778-2841	www.trelay.com
Viking	Albert Lea Seed House	1414 W. Main, P.O. Box 127 , Albert Lea , MN . 56007	(507) 373-3161	www.alseed.com

Table 11. 2008 Temperature and Precipitation Summary.

Location	Temperature Precipitation	May		June		July		August		September	
		Average-F° Total-Inch	Departure Departure	Average-F° Total-Inch	Departure Departure	Average-F° Total-Inch	Departure Departure	Average-F° Total-Inch	Departure Departure	Average-F° Total-Inch	Departure Departure
Arlington	Temperature	53.2	-3.9	65.8	-0.8	69.6	-0.9	66.9	-1.6	61.4	0.9
	Precipitation	3.2	-0.2	13.7	9.6	4.9	1.0	1.7	-2.6	1.5	-2.2
Irrigation - White Mold Trial						0.6		1.4			
Chippewa Falls (Eau Claire)	Temperature	53.6	-4.4	65.6	-1.2	70.7	-0.7	68.4	-0.6	61.6	2.2
	Precipitation	3.7	0.0	4.1	-0.2	4.4	0.5	2.5	-2.2	1.9	-1.9
East Troy (Burlington)	Temperature	51.0	-5.4	66.6	0.3	69.4	-1.6	67.8	-1.1	62.3	1.8
	Precipitation	2.5	-0.7	6.6	2.6	5.1	1.3	1.2	-3.0	4.3	1.1
Fond du Lac	Temperature	53.6	-4.3	66.5	-0.6	70.3	-1.5	68.1	-1.4	61.8	0.5
	Precipitation	1.1	-1.8	9.3	5.8	4.4	0.8	2.4	-1.8	1.1	-2.4
Galesville (Trempealeau Dam #6)	Temperature	57.2	-2.6	68.3	-0.3	72.6	-0.2	69.9	-0.4	M	M
	Precipitation	3.3	-0.4	2.9	-0.9	4.3	0.0	1.4	-3.2	1.2	-2.6
Hancock*	Temperature	53.9	-2.6	65.7	0.0	70.1	0.5	68.1	0.8	63.1	4.1
	Precipitation	2.9	-0.6	6.5	2.7	4.5	0.4	2.4	-1.9	1.0	-2.6
Irrigation				2.7		4.9		6.0		2.4	
Janesville (Beloit)	Temperature	54.3	-4.5	68.5	-0.1	71.0	-1.4	69.5	-0.6	64.2	1.9
	Precipitation	3.0	-0.4	8.4	3.8	5.9	2.1	1.6	-2.7	6.1	2.4
Lancaster	Temperature	55.5	-2.2	67.5	0.6	70.5	-0.6	67.1	-1.8	61.9	1.4
	Precipitation	4.5	0.8	12.6	7.9	5.1	1.0	1.2	-3.4	3.0	-0.2
Marshfield	Temperature	52.7	-3.1	64.3	-1.0	69.1	-0.7	66.8	-0.4	60.5	2.7
	Precipitation	3.3	-0.4	3.4	-0.7	3.2	-0.8	1.3	-3.0	1.9	-2.2
Irrigation - White Mold Trial						1.6		3.3		0.7	
Muscoda* (Richland Center)	Temperature	53.9	-3.2	66.7	0.3	70.5	-0.4	67.9	-0.6	62.2	2.5
	Precipitation	2.7	-1.2	10.1	5.7	3.8	-1.0	1.2	-3.1	2.2	-1.5
Seymour (Green Bay)	Temperature	53.9	-2.5	67.2	1.8	70.8	0.9	68.8	1.3	61.2	2.4
	Precipitation	1.4	-1.3	4.8	1.3	4.7	1.3	0.6	-3.2	1.9	-1.2
Spooner*	Temperature	52.5	-4.6	63.6	-1.5	70.1	0.7	67.8	0.6	59.9	1.5
	Precipitation	3.3	0.2	3.5	-0.5	1.6	-2.6	1.7	-2.9	2.8	-0.9
Irrigation-Sand Trial						2.8		3.0		0.5	
Sturgeon Bay	Temperature	50.9	-2.5	63.7	0.6	69.1	0.5	68.0	1.0	61.7	2.4
	Precipitation	3.7	0.7	3.2	-0.3	5.5	2.1	0.4	-3.2	1.2	-2.3

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

Source: Wisconsin State Climatology Office

TABLE 12. CHARACTERISTICS OF SOYBEAN VARIETIES (Page 1 of 7)

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 0803	0.8	RR	4 5	PI 88788	Rps 1-k	P	T	BR	B
Asgrow	AG 0808	0.8	RR	4 5	Susc.	Rps 1-k	W	T	BR	B
Asgrow	AG 1102	1.1	RR	3 4	Susc.	Rps 1-k	P	T	BR	B
Asgrow	AG 1403	1.4	RR	3 4	Susc.	S	W	T	TN	BR
Asgrow	AG 1506	1.5	RR	4	PI 88788	Rps 1-k	P	G	TN	IB
Asgrow	AG 1802	1.8	RR	2 3	PI 88788	Rps 1-k	P	G	TN	IB
Asgrow	AG 1906	1.9	RR	3	PI 88788	Rps 1-k	P	G	BR	IB
Asgrow	AG 2002	2.0	RR	2 3	PI 88788	Rps 1-c	P	T	BR	B
Asgrow	AG 2108	2.1	RR	2 3	PI 88788	S	P	G	TN	IB
Asgrow	AG 2406	2.4	RR	2	PI 88788	Rps 1-c	P	T	BR	B
Asgrow	AG 2606	2.6	RR	2	PI 88788	Rps 1-c	P	G	BR	IB
Blue River	1A24	1.2	CN	9	Susc.		P	TW	TW	B
Blue River	1F44	1.4	CN	9	Susc.		P	G	T	Y
Blue River	15F8	1.5	CN	9	Susc.		P	G	T	Y
Blue River	16A7	1.6	CN	9	Susc.		P	T	T	BR
Blue River	19A9	1.9	CN	9	Susc.		W	T	T	BR
Blue River	2A12	2.1	CN	9	Susc.		W	LTW	T	B
Blue River	24F8	2.4	CN	9	Susc.		W	G	T	Y
Blue River	2A71	2.7	CN	9	Susc.		P	G	BR	B
CGB	7422	2.2	CN	9						
CGB	7809	2.2	CN	9						
Croplan	RT 0947	0.9	RR	5	Susc.	Rps 1-c	P	TW	BR	BR
Croplan	RT 1077	1.0	RR	5	Susc.	-	P	LTW	M	BR
Croplan	RT 1227	1.2	RR	5	Susc.	Rps 1-k	P	LTW	TN	BL
Croplan	RT 1692	1.6	RR	5	Susc.	Rps 1-k	W	TW	TN	TN
Croplan	RT 1992	1.9	RR	3 4	Susc.	-	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 3	Susc.	-	W	TW	T	T
Croplan	RT 2117	2.1	RR	2 3 4	Susc.	Rps 1-k	W	G	T	BF
Croplan	RC 2287	2.2	RR	2	PI 88788	Rps 1-k	P	G	BR	BF
Croplan	RT 2292	2.2	RR	2 3 4	Susc.	Rps 1-k	W	TW	T	T
Croplan	RC 2517	2.5	RR	2	PI 88788&PU-SCN14	Rps 1-k	P	LTW	TN	BR
Crow's	C 1617 R	1.6	RR	3						
Crow's	C 2318 R	2.3	RR	3						
Crow's	C 2430 R	2.4	RR	2						
Crow's	C 2918 R	2.9	RR	2						
Dahlco	8080 RR	0.8	RR	3 4						
Dahlco	8110 RR	1.1	RR	3 4						

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TABLE 12. CHARACTERISTICS OF SOYBEAN VARIETIES (Page 2 of 7)

Originator /Brand	Entry	Maturity Group	Herb. 1/ Toler.	Performance Shown in Tables	SCN 3/ Source	PRR Genes 4/	Color 5/			
							Flower	Hair	Pod	Hilum
Dahlco	8120 RR	1.2	RR	3 4						
Dahlco	8150 RR	1.5	RR	3 4						
Dahlco	7160 RR	1.6	RR	3 4						
Dahlco	7180 NNRRSTS	1.8	RR	3						
Dahlco	8170 RRC	1.8	RR	3 4						
Dahlco	8190 NRR	1.9	RR	3						
Dahlco	8200 RRC	2.0	RR	3						
Dahlco	8210 NRR	2.1	RR	2 3						
Dairyland	DSR-1302/RRSTS	1.3	RR/STS	5 6		Rps 1-k	P	LTW	T	BR
Dairyland	DSR-1500/RRSTS	1.5	RR/STS	4	Other		W	LTW	BR	B
Dairyland	DSR-1601/RR	1.6	RR	4		Rps 1-k	P	LTW	T	B
Dairyland	DSR-1701/RRSTS	1.7	RR/STS	4	PI 88788		M	LTW	BR	B
Dairyland	DSR-1850/RRSTS	1.8	RR/STS	3 6			P	T	BR	B
Dairyland	DSR-199/RRSTS	1.9	RR/STS	3		Rps 1-k	W	LTW	BR	B
Dairyland	DSR-2118	2.1	CN	9 7			P	G	BR	G
Dairyland	DSR-22/STS-UL	2.2	STS	9			W	LTW	BR	B
Dairyland	DSR-2200/RR	2.2	RR	2 3 7	Other		W	LTW	BR	B
Dairyland	DSR-2300/RR	2.3	RR	2 7	Other		W	LTW	T	B
Dairyland	DST25-002/RR	2.5	RR	2			W	LTW	BR	B
Dairyland	DSR-2770/RR	2.7	RR	2	Other	Rps 1-k	W	LTW	BR	B
Dyna-Gro	32Y09	0.9	RR	6						
Dyna-Gro	39F16	1.6	RR	5	Susc.	Rps 1-k	W	T	T	T
Dyna-Gro	31D20	2.0	RR	5	PI 88788	Rps 1-c	W	T	T	T
Dyna-Gro	37Y21	2.1	RR	4	PI 88788	Rps 1-k	P	G	BR	IB
Dyna-Gro	38G23	2.3	RR	3 4						
Dyna-Gro	34Y25	2.5	RR	3						
Dyna-Gro	SX0 8726	2.6	RR	3						
FS HiSOY	R08-20	2.0	RR	2 3 7	PI 88788	Rps 1-c	P	LTW	BR	BR
FS HiSOY	HS 2166	2.1	RR	2 3	PI 88788	Rps 1-c	P/W	T	BR	BL
FS HiSOY	HS 22R70	2.2	RR	2 3 7	PI 88788	Rps 1-k	P	G	IB	T
FS HiSOY	HS 23R71	2.3	RR	2 7	Susc.	S	W	LTW	BR	BL
FS HiSOY	R08-26	2.6	RR	2	PI 88788	Rps 1-k	P	G	T	IB
FS HiSOY	HS 2766	2.7	RR	2	PI 88788	Rps 1-k	P	G	IB	BR
G2 Genetics	7148	1.4	RR	4						
G2 Genetics	7151	1.5	RR	4						
G2 Genetics	6178	1.7	RR	3						
G2 Genetics	7186	1.8	RR	3 8	Peking					
G2 Genetics	7226	2.2	RR	2 3 8	Peking					

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TABLE 12. CHARACTERISTICS OF SOYBEAN VARIETIES (Page 3 of 7)

Originator /Brand	Entry	Maturity Group	Herb. 1/ Toler.	Performance Shown in Tables	SCN 3/ Source	PRR Genes 4/	Color 5/			
							Flower	Hair	Pod	Hilum
G2 Genetics	7255	2.5	RR	2						
G2 Genetics	7288	2.8	RR	2						
Gold Country	2509 RR	0.9	RR	4	-					
Gold Country	1915 NRR	1.5	RR	4	PI 88788	Rps 1-k				
Gold Country	1918 RR	1.8	RR	3	PI 88788	Rps 1-k				
Gold Country	2717 NRR	1.8	RR	3	PI 88788	Rps 1-k	P	G	T	IB
Gold Country	2820 NRR	2.0	RR	3	PI 88788	Rps 1-c				
Gold Country	8820 NRR	2.0	RR	3	PI 88788	Rps 1-k				
Gold Country	9822 RR	2.2	RR	3	-	Rps 1-c	P	LTW	BR	B
Hughes	225+	2.2	CN	9						
Hughes	327	2.3	RR	2			W	TW	T	B
Hughes	555	2.5	RR	2	PI 88788	Rps 1-k	W	T	BR	B
Hughes	668	2.6	RR	2						
Hughes	777	2.7	RR	2						
Jung	8067 RR	0.6	RR	4						
Jung	8102 RR	1.0	RR	3 4						
Jung	8168 RR	1.3	RR	3 4						
Jung	8164 RR	1.6	RR	3 4						
Jung	8183 RR	1.8	RR	3						
Jung	8220 RR	1.9	RR	3						
Jung	8219 RR	2.1	RR	3						
Kaltenberg	KB 087 RR	0.8	RR	5		S	P	LTW	T/BR	BR
Kaltenberg	KB 094 RR	0.9	RR	5		Rps 1-a	P	T	BR	BR
Kaltenberg	KB 106 RR	1.0	RR	5		S	W	TW	TW	BR
Kaltenberg	KB 147 RR	1.4	RR	4		Rps 1-k	P	T	BR	BL
Kaltenberg	KB 158 RR	1.5	RR	4		Rps 1-k	P	LTW	T	BL
Kaltenberg	KB 1609 RR	1.6	RR	4		Rps 1-k	W	TW	T	T
Kaltenberg	KB 1809 RR	1.8	RR	3		S	P	LTW	BR	BR
Kaltenberg	KB 194 RR	1.9	RR	3	PI88788	Rps 1-k	P	G	T	IB
Kaltenberg	KB 196 RR	1.9	RR	3	PI88788	Rps 1-k	P	G	BR	IB
Kaltenberg	KB 203 RR	2.0	RR	3		S	W	TW	T	T
Kaltenberg	KB 226 RR	2.2	RR	3	PI88788	S	P	LTW	BR	BL
Kaltenberg	KB 2309 RR	2.3	RR	2	PI88788	Rps 1-k	P	G	LBR	BF
Kaltenberg	KB 2409 RR	2.4	RR	2	PI88788	S	P	TW	BR	BL
Kaltenberg	KB 249 RR	2.4	RR	2	PI88788	S	W	LTW	BR	BL
Kaltenberg	KB 2609 RR	2.6	RR	2	PI88788	S	W	TW	T	BL
Kaltenberg	KB 278 RR	2.7	RR	2	PI88788	Rps 1-c	P	G	BR	IB
Kruger	K-009+RR	0.1	RR	5		None	P	TW	BR	B

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TABLE 12. CHARACTERISTICS OF SOYBEAN VARIETIES (Page 4 of 7)

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-028 RR	0.2	RR	4 5						
Kruger	K-042 RR	0.4	RR	4 5 6		Rps1-a	P	G	BR	Y
Kruger	K-058 RR	0.5	RR	3 4 5 6						
Kruger	K-079 RR	0.7	RR	3 4 5 6						
Kruger	K-072+RR	0.8	RR	3 4 5 6		Rps1-a	W	LTW	BR	BR
Kruger	K-091 RR	0.9	RR	3 4 5 6		None	P	LTW	M	BR
Kruger	K-100 RR	1.0	RR	2 3 4 5 6		Rps1-k	P	LTW	T	B
Kruger	K-129 RR	1.2	RR	2 3 4 6						
Kruger	K-147 RR/SCN	1.2	RR	2 3 4 6	PI 88788	Rps1-k	P	TW	BR	B
Kruger	K-142 RR	1.4	RR	2 3 4 6		Rps1-k	P	TW	BR	B
Kruger	K-163 RR	1.6	RR	2 3 4 6		HRps1-k	W	TW	TN	TN
Kruger	K-167 RR/SCN	1.6	RR	2 3 4 6	PI 88788	Rps1-k	P	G	TN	IB
Kruger	K-170 RR/SCN	1.7	RR	6	PI 88788	None	P	LTW	TN	BR
Kruger	K-189 RR/SCN	1.8	RR	2 3 4 6	PI 88788					
Kruger	K-194 RR	1.9	RR	6		HRps1-k	W	TW	T	B
Kruger	K-195+RR/SCN	2.0	RR	7	PI 88788	Rps1-k	P	G	T	IB
Kruger	K-201 RR/SCN	2.0	RR	2 3 7 8	PI 88788	Rps1-c	M	TW	BR	B
Kruger	K-204 RR/SCN	2.0	RR	2 3 7 8	PI 88788	Rps1-k	P	G	T	IB
Kruger	K-220 RR/SCN/LINO	2.2	RR	7	PI 88788	Rps1-c	P	G	BR	IB
Kruger	K-228 RR/SCN	2.2	RR	2 3 7 8	PI 88788	Rps1-k	P	G	T	M
Kruger	K-239 RR	2.3	RR	2 3 7		None	W	LTW	BR	B
Kruger	K-245 RR/SCN/LINO	2.4	RR	7	PI 88788	Rps1-c	P	G	T	BF
Kruger	K-247 RR/SCN	2.4	RR	7 8	Peking					
Kruger	K-248 RR/SCN	2.4	RR	2 7 8	PI 88788	None	P	LTW	BR	BR
Kruger	K-249 RR/SCN	2.4	RR	7 8	PI 88788					
Kruger	K-251 RR/SCN	2.5	RR	2 7 8	PI 88788	Rps1-k	P	LTW	T	BR
Kruger	K-256 RR	2.5	RR	2 7		HRps 1-k	W	LTW	BR	B
Kruger	K-263 RR/SCN/LINO	2.6	RR	7	PI 88788	Rps 1-c	P	G	T	IB
Kruger	K-271 RR	2.7	RR	2 7		Rps 1-k	W	LTW	BR	B
Kruger	K-272 RR/SCN/LINO	2.7	RR	7	PI 88788	None	W	G	T	BF
Kruger	K-274 RR/SCN	2.7	RR	2 7 8	PI 88788					
Kruger	K-275 RR/SCN	2.7	RR	7	PI 88788	Rps 1-k	P	G	BR	IB
Kruger	K-285 RR/SCN	2.8	RR	7	PI 88788					
Kruger	K-297 RR/SCN	2.9	RR	7	PI 88788	Rps 1-k	P	LTW	T	BR
Latham	E 1958 R	1.9	RR	6	PI 88788	Rps 1-c	P	LTW	BR	BR
Latham	L 1983 R	1.9	RR	3	PI 88788	Rps 1-c	P	G	T	IB
Latham	E 2083 R	2.0	RR	3	PI 88788	Rps 1-k	P	G	T	IB
Latham	L 2085 R	2.0	RR	7	PI 88788	Rps 1-c	M	TW	BR	B

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TABLE 12. CHARACTERISTICS OF SOYBEAN VARIETIES (Page 5 of 7)

Originator /Brand	Entry	Maturity Group	Herb. 1/ Toler.	Performance Shown in Tables	SCN 3/ Source	PRR Genes 4/	Color 5/			
							Flower	Hair	Pod	Hilum
Latham	E 2225 RX	2.2	RR	8	PU SCN-14	Rps 1-k	W	T	T	B
Latham	L 2285 R	2.2	RR	3 8	PI 88788	Rps 1-k	P	G	T	M
Latham	L 2303 R	2.3	RR	2	None	None	W	LTW	BR	BL
Latham	L 2348 R	2.3	RR	2 7	PI 88788	Rps 1-k	P	G	BR	BF
Latham	E 2683 R	2.6	RR	2	PI 88788	Rps 1-k	P	G	T	IB
Latham	L 2658 R	2.6	RR	8	PI 88788	Rps 1-c	W	T	BR	BR
Midwest	GR 1833	1.8	RR	3						
Midwest	GR 2233	2.2	RR	8						
Midwest	GR 2334	2.3	RR	3						
Midwest	GR 2437	2.4	RR	7						
Midwest	GR 2731	2.7	RR	2						
Midwest	GR 2751	2.7	RR	2						
NK Brand	S 06-W2	0.6	RR	5			P	LTW	BR	BR
NK Brand	S 08-C3	0.8	RR	4 5 6		Rps 1-c	P	G	BR	G
NK Brand	S 08-M8	0.8	RR	8	PI 88788		W	LTW	B	S
NK Brand	S 10-K1	1.0	RR	4 5 6		Rps 1-a	P	LTW	T	Y
NK Brand	S 12-P4	1.2	RR	4 6		Rps 1-c	P	LTW	T	BR
NK Brand	S 14-A7	1.4	RR	6		Rps 1-c	P	TW	T	Y
NK Brand	H 1604-RR	1.6	RR	8	PI 88788		W	TW	T	B
NK Brand	S 17-A1	1.7	RR	8	PI 88788	Rps 1-a	W	TW	T	G
NK Brand	S 17-B5	1.7	RR	3 4		Rps 1-c	P	LTW	BR	B
NK Brand	S 17-Z7	1.7	RR	3 4 6			P	LTW	T	Y
NK Brand	S 18-Y3	1.8	RR	3		Rps 1-K	W	LTW	T	BR
NK Brand	S 20-F8	2.0	CN	9						
NK Brand	S 20-P3	2.0	RR	2 3 7		Rps 3-a	W	LTW	T	BR
NK Brand	S 21-N6	2.1	RR	2 3		Rps 1-K	P	LTW	BR	BR
NK Brand	S 23-N7	2.3	RR	2 7 8	PI 88788		P	LTW	T	BR
NK Brand	S 24-J1	2.4	RR	2		Rps 1-k	W	LTW	T	BR
NK Brand	XR 2584	2.5	RR	2 8	PI 88788		W	LTW	BR	B
NK Brand	S 27-C4	2.7	RR	2 8	PI 88788	Rps 1-k	P	LTW	T	B
NK Brand	S 28-B4	2.8	RR	2		Rps 1-k	W	LTW	BR	BR
NuTech	6134	1.3	RR	4						
NuTech	6145	1.4	RR	4						
NuTech	7154	1.5	RR	4						
NuTech	6166	1.6	RR	4						
NuTech	6175	1.7	RR	3 4						
NuTech	NT-1717 RR/SCN	1.7	RR	4	PI 88788					
NuTech	NT-1808 RR/SCN	1.8	RR	3 4 8	PI 88788					

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TABLE 12. CHARACTERISTICS OF SOYBEAN VARIETIES (Page 6 of 7)

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-7193+RR/SCN	1.9	RR	2	PI 88788					
NuTech	7201	2.0	RR	2 3 8	PI 88788					
NuTech	NT-6205+RR	2.0	RR	3 4						
NuTech	6211	2.1	RR	2						
NuTech	6212	2.1	RR	3						
NuTech	6224	2.2	RR	3						
NuTech	NT-2220 RR	2.2	RR	3						
NuTech	NT-2324+RR/SCN	2.3	RR	2 8	PI 88788					
NuTech	NT-6234 RR	2.3	RR	3						
NuTech	6242	2.4	RR	2						
NuTech	7241	2.4	RR	3						
NuTech	7242	2.4	RR	2 8	PI 88788					
NuTech	7261	2.6	RR	2						
NuTech	NT-2660 RR/SCN	2.6	RR	2 8	PI 88788					
NuTech	6277	2.7	RR	2						
NuTech	7274	2.7	RR	2 8	PI 88788					
NuTech	6281	2.8	RR	2						
O'Brien	O'Soy 150 RR	1.5	RR	2 3						
O'Brien	O'Soy 201 C	2.0	CN	9						
O'Brien	O'Soy 212 RR	2.1	RR	2 3						
Pioneer Brand	91Y20	1.2	RR	4		Rps 1-k	P	LTW	BR	B
Pioneer Brand	91Y90	1.9	RR	3 4			W	LTW	BR	BR
Pioneer Brand	92Y20	2.2	RR	8	Peking	Rps 1-k	P	TW	BR	B
Pioneer Brand	92Y30	2.3	RR	2 3	PI 88788	Rps 1-k	P	G	BR	IB
Pioneer Brand	92Y80	2.8	RR	2 8	PI 88788	Rps 1-k	P	LTW	BR	BR
Public	MN 1005	1.0	CN	9		Rps 1				
Public	MN 1410	1.4	CN	9						
Public	IA 2076	2.0	CN	9						
Public	IA 1022	2.2	CN	9						
Public	W 04-573	2.4	CN	9						
Public	W 04-668	2.4	CN	9						
Public	W 04-680	2.5	CN	9						
Public	W 04-551	2.6	CN	9						
Public	W 04-701	2.6	CN	9						
Renk	RS 067 RR	0.6	RR	4 5						
Renk	RS 107 RR	1.0	RR	4 5						
Renk	RS 115 RR	1.1	RR	4	PI 88788	Rps 1-k				
Renk	RS 147 RR	1.4	RR	4						

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TABLE 12. CHARACTERISTICS OF SOYBEAN VARIETIES (Page 7 of 7)

Originator /Brand	Entry	Maturity Group	Herb. 1/ Toler.	Performance Shown in Tables	SCN 3/ Source	PRR Genes 4/	Color 5/			
							Flower	Hair	Pod	Hilum
Renk	RS 169 RR	1.6	RR	3 4						
Renk	RS 179 NRR	1.7	RR	3						
Renk	RS 223 RR	2.1	RR	3		Rps 1-k	W	T	T	T
Renk	RS 239 RR	2.3	RR	2 3						
Renk	RS 259 NRR	2.5	RR	2 3						
Renk	RS 265 RR	2.6	RR	2		Rps 1-c				
Renk	RS 277 NRR	2.7	RR	2						
Stine	2032-4	1.9	RR	2	PI 88788	Rps 1-k	P	G	T	IB
Stine	2420-4	2.2	RR	2	PI 88788	S	W	LTW	BR	B
Trelay	2061	0.6	RR	4						
Trelay	2134	1.3	RR	4						
Trelay	2166	1.6	RR	3 4						
Trelay	2195	1.9	RR	3						
Trelay	2214	2.1	RR	3						
Trelay	2252	2.5	RR	2						
Trelay	2277	2.7	RR	2						
Viking	O.1312	1.3	CN	9	Susc.	S	P	T	TN	BL
Viking	O.1692	1.6	CN	9	Susc.	S	P	T	TN	BR
Viking	O.2022	2.0	CN	9	Susc.	Rps 1-c	P	Gr	T	Y
Viking	O.2265	2.2	CN	9	Susc.		W	T	BR	BL

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.