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2010

WISCONSIN SOYBEAN VARIETY TEST RESULTS

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

Wisconsin Crop Improvement Association

UW Extension

2010 WISCONSIN SOYBEAN VARIETY TEST RESULTS

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S.P. Conley, M. J. Martinka, J. M. Gaska, P. Esker, and N. C. Koval
Departments of Agronomy and Plant Pathology
University of Wisconsin, Madison

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 their management practices.

2010 Report

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 additional commercial and public cultivars were included for comparison.

Tests were conducted using conventional or reduced tillage practices. The white mold tests were planted at 225,000 seeds/a, while the standard variety tests were planted at 175,000 seeds/a, at row spacings listed in Table 1. Tests were conducted using a randomized complete block design with four replicates. Table 1 also lists the herbicides used for weed control in the conventional and glyphosate tolerant variety trials.

Growing Conditions

Wisconsin soybean growers experienced widely variable weather conditions in 2010. Warmer than normal temperatures coupled with ample rainfall across most of WI led to a projected record statewide average soybean yield of 50 bu/a; up 10 bu/a from 2009.

Soybean planting was slightly ahead while emergence was similar to the 5 year average.

Temperatures in June, July, and August remained warmer than normal; however crop development was similar to the 5 year average and greatly ahead of 2009. In many areas of Wisconsin, the 2010 growing season was well ahead of the 30 year average. From April 1st through October 1st the crop had accumulated approximately 300 more GDU's than the 30 year norm. Excellent growing conditions were noted as statewide crop conditions were rated at >75% good to excellent the entire season. Extremely dry conditions were prevalent across much of Wisconsin in late August through September. The dry conditions however had little impact on yield as the soybean crop was advanced and ample residual water was available to progress the soybean crop through maturity.

October was characterized by warmer and dryer than normal weather. This significantly expedited harvest. As of October 15th, 80% of the WI soybean crop had been harvest whereas typically 40% of the crop would be removed. By October 31st nearly 100% of the soybean crop was harvested. 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

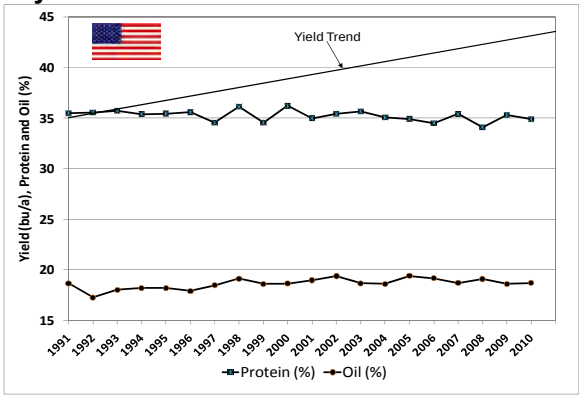
earliest to latest based on the company supplied relative maturity of the variety.

Protein and Oil

Seed samples from all varieties grown in select 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 2010, soybeans grown across the US averaged 34.9% protein and 18.7% oil. (www.ussoyexports.org)

Wisconsin soybean seed composition was higher for protein (35.1%) and slightly lower for oil (18.6%) than US averages. The factor that influences protein the most and that is under control of a producer is variety selection. Data from the Wisconsin Soybean Variety Tests indicates that proper variety selection can result in 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 Table 12) to provide complete or partial resistance to this fungus 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 through the flowers during early reproductive growth, but symptoms are delayed until early pod formation and plant death is evident as the crop progresses towards maturity. White mold was a minor issue in 2010. The reaction of soybean varieties to the white mold pathogen is expressed as plant mortality and reduced 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 Table 8.

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 always not common as SCN can also 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 used. Significant advances have been made to improve varieties for resistance to SCN. Results of the 2010 SCN variety trial are presented in Table 9. High yield performance in the presence of SCN is an excellent strategy to help select varieties that are resistant or tolerant in SCN infested fields. 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.

Brown Stem Rot (BSR)

BSR is a major disease of soybean in Wisconsin however; BSR incidence was low across the state in 2010. External symptoms of BSR are not observed until after pod development begins. There are examples where fields have both SDS and BSR, which can make diagnoses difficult, since foliar

symptoms are similar. There are two pathotypes of the pathogen that cause BSR. The defoliating pathotype causes more severe internal stem discoloration and defoliation of leaves, compared with the nondefoliating pathotype that only causes internal stem symptoms. Select resistant varieties if BSR has been a problem in the field.

Sudden Death Syndrome (SDS)

Sudden death syndrome (SDS) incidence was greatly increased in 2010. SDS is caused by a fungus and is frequently associated with the soybean cyst nematode. Leaves suddenly die during early pod development and fall from plants. SDS tolerance information is available on individual soybean varieties from locations where this disease was noted.

Emerging Soybean Diseases

Stem Canker (SC) incidence was low in 2010. SC is caused by a fungus. 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.

Soybean Viruses and Insects

Soybean aphid populations were variable in WI in 2010. Some regions within the state reached economic threshold levels that required treatment. 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 again in 2011. 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 beetle infestation can 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 predict 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.

Authors: S. Conley is an Associate Professor of Agronomy, M.J. Martinka is Program Manager in Agronomy, J.M. Gaska is Outreach Specialist in Agronomy, P. Esker is Assistant Professor of Plant Pathology, and N. C. Koval is an Assistant Researcher in Plant Pathology, College of Agricultural and Life Sciences, University of Wisconsin-Madison. S. Conley and P. Esker also hold appointments with University of Wisconsin-Extension, Cooperative Extension.

This publica tion is av ailable 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

A3654 2010 Wisconsin Soybean Variety Test results $12.00

TABLE 1. GENERAL INFORMATION ON THE 2010 SOYBEAN TESTS

Location	Cooperators	Row Spacing	Soil Type	Soil Tests [1]				Pesticide Program [2]	Planting Date	Harvest Date	Average Yield		
											2010	2009	09-10
Arlington RR Variety Trial (VT)	John Gaska Matt Repking	15"	Silt loam	pH: 6.5 P: 64	OM: 3.1 K: 145			PPI: Dul, Pur Post: Rnd	3-May	12-Oct	74	66	70
Arlington Conventional VT	John Gaska Matt Repking	15"	Silt loam	pH: 6.5 P: 64	OM: 3.1 K: 145			PPI: Dul, Pur Post: Bas, Har	3-May	11-Oct	72	62	67
Arlington White Mold Trials	John Gaska Matt Repking	7.5"	Silt loam Irrigated	pH: 6.3 P: 23	OM: 3.0 K: 127			PPI: Dul, AuthF Post: Rptr : RR-Rnd	19-May	12-Oct	77	47	62
Chippewa Falls Variety Trial	Jerry Clark	15"	Silt loam	pH: 6.1 P: 3.3	OM: 2.9 K: 103			Pre: None Post: Rnd, Pur	17-May	5-Oct	70	45	58
Fond du Lac Variety Trial	Ed Montsma Mike Rankin	15"	Silt loam	pH: 6.8 P: 30	OM: 3.8 K: 82			Pre: Valor, Frrt Post: Rnd	19-May	7-Oct	70	52	61
Galesville Variety Trial	Ken Congdon John Zander	15"	Silt loam	pH: 6.1 P: 40	OM: 3.4 K: 168			Pre: None Post: Rnd(2), Asr	5-May	15-Oct	70	52	61
East Troy SCN Variety Trial	Matt Scurek	15"	Sandy Loam	pH: 7.2 P: 32	OM: 5.7 K: 96			Pre: Valor, Frrt Post: Rnd	19-May	14-Oct	69	64	67
Hancock Variety Trial	Jolyn Rasmussen	15"	Sand Irrigated	pH: 5.7 P: 102	OM: 0.6 K: 73			Pre: None Post: Rnd (2)	6-May	8-Oct	68	56	62
Hancock SCN Variety Trial	Jolyn Rasmussen	15"	Sand Irrigated	pH: 5.7 P: 102	OM: 0.6 K: 73			Pre: None Post: Rnd (2)	6-May	8-Oct	65	65	65
Janesville Variety Trial	Jim Stute	15"	Silt loam	pH: 6.6 P: 51	OM: 3.2 K: 148			Pre: Valor, Frrt Post: Rnd(2), Asr	3-May	30-Sep	79	71	75
Lancaster RR Variety Trial	Tim Wood	15"	Silt loam	pH: 6.8 P: 22	OM: 1.6 K: 79			PPI: Pur, Prw, Snc Post: Rnd	4-May	11-Oct	66	50	58
Lancaster Conventional VT	Tim Wood	15"	Silt loam	pH: 6.8 P: 22	OM: 1.6 K: 79			PPI: Pur, Prw, Snc Post: Rptr	4-May	11-Oct	61	39	50
Marshfield RR Variety Trial	Mike Bertram	15"	Silt loam	pH: 6.1 P: 52	OM: 2.7 K: 128			PPI: Frrt, Dul Post: Rnd, Pur	18-May	14-Oct	53	51	52
Marshfield Conventional VT	Mike Bertram	15"	Silt loam	pH: 6.1 P: 52	OM: 2.7 K: 128			PPI: Frrt, Dul Post: Rptr	18-May	14-Oct	53	49	51
Seymour Variety Trial	Mike Maass Kevin Jarek	15"	Clay loam	pH: 7.0 P: 19	OM: 2.5 K: 70			Pre: None Post: Rnd, Pur	20-May	6-Oct	45	55	50
Spooner Dry Land VT	Phil Holman	7"	Silt Loam	pH: 6.3 P: 23	OM: 2.1 K: 82			Pre: None Post: Rnd	19-May	6-Oct	52	39	46
Spooner Irrigated VT	Phil Holman	7"	Sandy Loam	pH: 6.4 P: 89	OM: 1.4 K: 111			Pre: None Post: Rnd, Rptr	18-May	7-Oct	50	43	47
Sturgeon Bay Variety Trial	Dick Weidman	15"	Silt Loam	pH: 5.6 P: 204	OM: 2.0 K: 137			Pre: None Post: Rnd, Rptr	20-May	7-Oct	61	47	54

[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, Dul= Dual II Magnum, Frrt= Firstrate, Har= Harmony, Pst=Poast Plus, Pur= Pursuit, Prw= Prowl, Rptr= Raptor, Rnd= Roundup, Snc= Sencor.

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

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

			2010 3-Test Average			2010 Yields			2010 Composition [1]			2009 3-Test Average						6 -Test
Originator/Brand	Entry	Maturity Group	**Yield**	Lodging	Maturity	ARL	JAN	LAN	Protein	Oil	Protein plus Oil	**Yield**	Lodging	Maturity	Protein	Oil	Protein plus Oil	**Ave. Yield**
			bu/A	1-5	date	----------	bu/A	----------	%	%	lb/A	**bu/A**	1-5	date	%	%	lb/A	**bu/A**
Asgrow	AG 2031	2.0	**73**	3.0	13-Sep	75	* 83	61	32.4	20.0	2370							
Asgrow	AG 2131	2.1	**66**	4.3	13-Sep	67	73	57	32.7	19.9	2129							
Asgrow	AG 2330	2.3	* **77**	3.5	20-Sep	76	* 85	* 70	32.5	19.8	2375							
Asgrow	AG 2430	2.4	* **74**	2.2	20-Sep	* 80	77	65	31.2	19.9	2446							
Asgrow	AG 2830	2.8	* **77**	2.4	28-Sep	78	* 89	65	31.0	19.5	2358							
Asgrow	AG 3030	3.0	* **80**	2.5	28-Sep	* 80	* 88	* 72	32.8	18.9	2477							
Croplan	RT 2127	2.1	**69**	1.8	17-Sep	76	72	60	31.8	20.5	2394	**59**	1.1	20-Sep	33.9	19.1	1901	**64**
Croplan	RC 2257	2.2	**73**	2.1	16-Sep	78	76	66	30.4	20.9	2383							
Croplan	R2T 2440	2.3	* **76**	2.4	18-Sep	* 84	70	* 73	31.0	20.1	2577							
Croplan	RT 2489	2.4	* **76**	2.4	23-Sep	76	78	* 74	32.9	19.1	2383							
Croplan	RT 2588	2.5	* **77**	2.1	20-Sep	* 83	79	68	32.0	19.7	2565	* **67**	1.0	3-Oct	34.0	18.9	2117	* **72**
Dairyland	DSR-2011/RR	2.0	* **75**	2.2	18-Sep	75	81	* 70	32.6	20.1	2369							
Dairyland	DSR-2375/R2Y	2.3	* **74**	2.8	19-Sep	71	* 83	* 69	32.6	18.7	2171							
Dairyland	DSR-2727/R2Y	2.7	**72**	2.4	1-Oct	66	* 84	65	32.4	18.8	2009							
Dairyland	DSR-2770/RR	2.7	**71**	2.6	23-Sep	68	76	68	31.4	20.4	2085	* **66**	1.5	6-Oct	35.8	18.2	2136	* **68**
Dairyland	DSR-2930/R2Y	2.9	* **76**	2.8	29-Sep	69	* 90	68	32.3	18.6	2094	* **66**	1.8	6-Oct	35.2	17.5	2086	* **71**
Dyna-Gro	33RY23	2.3	* **74**	3.3	26-Sep	74	81	66	33.5	19.2	2356							
Dyna-Gro	36RY24	2.4	**70**	2.7	18-Sep	70	79	60	33.6	19.3	2231							
Dyna-Gro	25N9 RR	2.5	* **79**	2.3	19-Sep	* 82	* 83	* 73	32.1	19.9	2558	**62**	1.1	2-Oct	35.7	17.8	1990	* **71**
FS HiSOY	HS 2166	2.1	**70**	2.5	14-Sep	72	74	64	32.8	20.2	2284							
FS HiSOY	HS 21A02	2.1	* **75**	2.8	14-Sep	78	79	67	32.8	20.2	2486							
FS HiSOY	HS 22R70	2.2	**72**	2.2	19-Sep	78	70	67	30.3	20.9	2396	**61**	1.3	24-Sep	33.6	19.4	1958	* **67**
FS HiSOY	HS 23A02	2.3	**71**	3.0	21-Sep	73	79	60	33.4	19.2	2291							
FS HiSOY	HS 24A01	2.4	* **75**	2.3	20-Sep	* 80	* 83	63	30.9	20.4	2463							
FS HiSOY	HS 24R91	2.4	* **77**	2.7	24-Sep	77	* 84	* 71	32.2	19.9	2391	* **67**	1.6	6-Oct	35.3	18.3	2160	* **72**
FS HiSOY	HS 25A02	2.5	**69**	2.4	19-Sep	64	78	65	32.9	19.5	1997							
G2	7208	2.0	**70**	2.8	15-Sep	68	79	62	33.0	20.2	2178	**62**	1.0	22-Sep	34.4	18.9	1962	**66**
G2	7212	2.1	* **74**	2.4	18-Sep	* 84	73	64	30.6	20.9	2603	* **64**	1.0	25-Sep	33.7	19.4	2032	* **69**
G2	7230	2.3	**73**	2.3	22-Sep	70	80	* 69	32.0	20.3	2200							
G2	7249	2.4	**71**	2.3	19-Sep	71	78	65	32.0	20.2	2240	* **64**	1.3	30-Sep	34.5	18.6	2044	* **68**

Continued

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

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

			2010 3-Test Average			2010 Yields			2010 Composition [1]			2009 3-Test Average						6 -Test
Originator/Brand	Entry	Maturity Group	**Yield**	Lodging	Maturity	ARL	JAN	LAN	Protein	Oil	Protein plus Oil	**Yield**	Lodging	Maturity	Protein	Oil	Protein plus Oil	**Ave. Yield**
			bu/A	1-5	date	----------	bu/A	----------	%	%	lb/A	**bu/A**	1-5	date	%	%	lb/A	**bu/A**
G2	7250	2.5	* **78**	1.6	18-Sep	77	* 85	* 72	30.2	21.2	2376							
G2	7258	2.5	**71**	2.3	22-Sep	70	80	64	32.9	20.4	2245							
G2	7260	2.6	**73**	2.4	24-Sep	67	* 85	68	32.4	20.1	2101							
G2	7283	2.8	**71**	2.8	24-Sep	65	78	* 71	31.5	20.7	2038							
G2	7288	2.8	**65**	2.8	21-Sep	61	70	64	32.2	20.1	1921	* **64**	1.4	5-Oct	34.8	18.9	2047	**64**
G2	7290	2.9	**71**	1.6	25-Sep	72	74	67	32.6	19.8	2266							
Hughes	454 RR	2.5	* **74**	3.0	22-Sep	77	80	65	34.0	19.3	2457	* **65**	1.8	5-Oct	35.5	18.1	2089	* **69**
Hughes	555 RR	2.5	* **76**	2.1	25-Sep	76	* 83	* 70	32.4	19.7	2375	* **65**	1.1	1-Oct	35.9	17.7	2088	* **71**
Hughes	777 RR	2.7	**73**	2.5	29-Sep	75	80	63	33.5	18.4	2335	* **68**	1.5	7-Oct	36.3	17.1	2181	* **70**
Jung	1225 RR2	2.2	* **79**	1.8	16-Sep	* 87	82	68	30.8	20.7	2680							
Jung	1234 RR2	2.3	* **74**	3.3	21-Sep	76	82	65	33.3	19.3	2383							
Jung	1248 RR2	2.4	* **75**	1.5	12-Sep	* 85	76	65	32.0	20.2	2661							
Kruger	K-201RR/SCN	2.0	**68**	2.7	13-Sep	68	73	64	31.9	20.6	2144	* **63**	1.3	23-Sep	34.9	18.9	2038	**66**
Legacy	LS-2509 RR	2.5	* **76**	2.7	25-Sep	73	* 86	* 69	32.5	19.9	2282							
NK Brand	S 21-B1 Brand	2.1	**68**	2.6	16-Sep	68	75	60	31.1	20.6	2117							
NK Brand	S 21-N6 Brand	2.1	**71**	2.4	18-Sep	66	82	65	31.6	20.3	2066	**62**	1.2	24-Sep	34.0	19.3	1986	* **67**
NK Brand	S 26-P1	2.1	**68**	2.2	14-Sep	67	78	58	32.3	19.9	2099							
NK Brand	S 23-A8 Brand	2.3	**71**	2.5	21-Sep	72	74	68	31.7	19.7	2212							
NK Brand	S 25-F2 Brand	2.5	**71**	1.5	19-Sep	69	79	66	31.7	20.0	2148							
NK Brand	S 25-T8 Brand	2.5	**71**	2.8	23-Sep	70	81	62	32.0	19.9	2172							
NK Brand	S 27-C4 Brand	2.7	**72**	2.3	27-Sep	* 79	75	63	32.1	19.9	2467	* **67**	1.2	3-Oct	35.2	18.3	2151	* **70**
NuTech	6224	2.2	**72**	2.4	24-Sep	69	80	67	33.6	19.4	2205	* **65**	1.3	5-Oct	35.1	18.5	2072	* **68**
NuTech	6228	2.2	* **79**	2.3	19-Sep	77	* 85	* 75	32.4	20.1	2439							
NuTech	7222	2.2	**71**	2.1	17-Sep	77	71	65	30.2	21.1	2374	* **64**	1.1	23-Sep	33.7	19.5	2028	* **67**
NuTech	7235	2.3	**70**	2.1	20-Sep	71	74	64	32.4	20.1	2241							
NuTech	7251	2.5	* **76**	2.0	23-Sep	77	* 84	67	32.4	19.5	2401	* **65**	1.3	29-Sep	36.2	17.7	2093	* **70**
NuTech	2660 RN	2.6	* **74**	2.3	27-Sep	75	80	68	31.3	19.9	2306	* **66**	1.1	3-Oct	33.9	18.7	2090	* **70**
NuTech	6281	2.8	* **75**	2.3	30-Sep	68	* 83	* 75	32.8	19.6	2151	* **66**	1.7	9-Oct	36.0	18.0	2139	* **71**
NuTech	7297	2.9	* **74**	2.8	28-Sep	70	* 87	64	30.7	19.5	2096							
O'Brien	O'Soy 250 RR	2.5	**73**	2.9	25-Sep	69	82	* 69	32.9	19.6	2172	**62**	1.6	6-Oct	35.2	18.3	1988	* **68**

Continued

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

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

			2010 3-Test Average			2010 Yields			2010 Composition [1]			2009 3-Test Average						6 -Test
Originator/Brand	Entry	Maturity Group	**Yield**	Lodging	Maturity	ARL	JAN	LAN	Protein	Oil	Protein plus Oil	**Yield**	Lodging	Maturity	Protein	Oil	Protein plus Oil	**Ave. Yield**
			bu/A	1-5	date	----------	bu/A	----------	%	%	lb/A	**bu/A**	1-5	date	%	%	lb/A	**bu/A**
Pioneer Brand	91Y90	1.9	**71**	1.4	13-Sep	75	76	61	32.1	20.0	2341	**61**	1.0	23-Sep	34.9	18.2	1935	**66**
Pioneer Brand	92Y30	2.3	**71**	1.9	18-Sep	75	74	64	31.1	20.8	2338	*** 64**	1.0	1-Oct	34.6	19.0	2069	*** 68**
Pioneer Brand	92Y51	2.5	**73**	2.3	23-Sep	75	76	67	32.7	20.0	2376							
Pioneer Brand	92Y80	2.8	**71**	2.6	26-Sep	71	* 85	58	33.5	20.0	2285	*** 67**	1.2	3-Oct	35.9	18.7	2199	*** 69**
Pioneer Brand	93M11	2.9	*** 76**	1.7	27-Sep	76	80	* 71	31.0	20.7	2355							
Power Plus	20E1	2.0	**69**	2.8	14-Sep	73	72	63	32.5	20.4	2301							
Power Plus	23Z1	2.3	**70**	2.3	23-Sep	70	74	66	32.2	20.0	2186							
Power Plus	28S1	2.8	**71**	2.5	24-Sep	73	76	65	31.8	20.5	2286							
Renk	RS 241 R2	2.4	*** 79**	2.1	22-Sep	* 82	* 86	* 69	30.9	20.1	2516							
Renk	RS 259 NRR	2.5	*** 75**	2.2	22-Sep	78	79	68	32.7	19.6	2449	*** 64**	1.1	30-Sep	35.8	17.7	2048	*** 69**
Renk	RS 261 NR2	2.6	**69**	3.2	26-Sep	66	79	63	32.0	18.6	1990							
Renk	RS 271 NR2	2.7	**70**	2.3	28-Sep	72	75	64	31.4	19.4	2183							
Renze	R 1805	1.8	**69**	3.2	22-Sep	71	72	65	31.6	20.3	2217							
Steyer	2710 RR2	2.7	*** 76**	2.2	29-Sep	71	* 87	* 70	31.0	19.3	2128							
Trelay	21RR37	2.1	*** 80**	1.5	19-Sep	* 85	82	* 73	30.7	21.1	2653							
Trelay	23RR31	2.3	**73**	2.9	26-Sep	77	79	63	33.1	19.3	2419							
Trelay	25RR58	2.5	**71**	2.5	23-Sep	73	80	60	32.5	18.8	2217							
Mean			**73**	2.4	21-Sep	74	79	66	32.1	19.9	2299	**63**	1.3	30-Sep	34.9	18.5	2011	**69**
LSD(0.10)			**6**	0.8	5	8	7	6	0.9	0.4	244	**5**	0.4	4	0.5	0.3	189	**5**

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

[1] Protein and Oil determinations collected at the Arlington site in 2010.

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

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

Performance of Commercial Entries at Three Central Wisconsin Locations.
FON = FOND DU LAC, GAL = GALESVILLE, HAN=HANCOCK

			2010 3-Test Average			2010 Yields			2010 Composition [1]			2009 3-Test Average						6-Test
Originator/Brand	Entry	Maturity Group	**Yield**	Lodging	Maturity	FON	GAL	HAN	Protein	Oil	Protein plus Oil	**Yield**	Lodging	Maturity	Protein	Oil	Protein plus Oil	**Ave. Yield**
			bu/A	1-5	date	----------	bu/A	-------	%	%	lb/A	**bu/A**	1-5	date	%	%	lb/A	**bu/A**
Asgrow	AG 1631	1.6	**67**	2.4	15-Sep	* 73	62	67	34.4	19.4	2004							
Asgrow	AG 1831	1.8	**71**	2.2	17-Sep	* 77	70	65	34.0	20.3	2294							
Asgrow	AG 1931	1.9	**69**	2.2	12-Sep	67	* 76	65	35.1	19.3	2491							
Asgrow	AG 2031	2.0	*** 73**	1.9	17-Sep	* 72	* 76	* 71	34.8	19.4	2464							
Asgrow	AG 2131	2.1	**66**	3.5	19-Sep	61	66	* 71	34.7	19.3	2138							
Asgrow	AG 2330	2.3	*** 75**	2.5	20-Sep	* 75	* 75	* 74	35.0	19.0	2437							
Channel	1800R2 Brand	1.8	**69**	1.8	21-Sep	64	* 75	67	33.9	19.9	2412							
Channel	1901R2 Brand	1.9	**71**	2.1	17-Sep	* 73	71	68	35.0	19.5	2326							
Channel	2000R2 Brand	2.0	*** 73**	1.8	17-Sep	* 77	* 74	67	34.7	19.7	2431							
Channel	2200R2 Brand	2.2	**72**	2.0	21-Sep	* 74	73	68	33.8	20.0	2367	*** 57**	1.0	30-Sep	34.3	18.8	1822	*** 64**
Croplan	R2C 2070	2.0	**70**	1.8	17-Sep	* 72	70	69	34.8	19.8	2281							
Croplan	RT 1992	1.9	**64**	1.9	18-Sep	68	64	59	34.0	20.0	2059	*** 57**	1.0	24-Sep	34.1	19.5	1814	**60**
Croplan	RC 2068	2.0	**70**	1.9	17-Sep	67	69	* 73	34.5	19.9	2236	**51**	1.0	28-Sep	34.9	18.9	1654	*** 61**
Croplan	RT 2092	2.0	**64**	1.9	17-Sep	70	63	60	34.1	19.8	2029	*** 54**	1.0	25-Sep	34.1	19.2	1733	**59**
Croplan	RC 2257	2.2	**69**	2.2	18-Sep	70	67	69	33.2	20.2	2137							
Dairyland	DSR-1710/R2Y	1.7	**68**	1.8	15-Sep	70	69	65	34.1	19.4	2201							
Dairyland	DST18-003/R2Y	1.8	**68**	2.0	18-Sep	68	72	63	34.0	19.4	2314							
Dairyland	DSR-2011/RR	2.0	**71**	1.8	17-Sep	* 77	* 74	61	34.4	19.6	2382							
Dairyland	DSR-2132/R2Y	2.1	**71**	1.7	18-Sep	* 74	71	68	35.1	18.6	2282	*** 54**	1.2	28-Sep	35.5	17.9	1732	*** 63**
Dairyland	DST22-007/R2Y	2.2	**68**	2.6	24-Sep	68	71	66	32.7	19.9	2248							
Dairyland	DSR-2375/R2Y	2.3	*** 75**	2.7	24-Sep	* 73	* 76	* 77	33.8	18.6	2395							
Dyna-Gro	36RY19	1.9	**70**	2.1	14-Sep	71	71	69	33.7	19.6	2277							
Dyna-Gro	35RY21	2.1	**67**	1.9	21-Sep	70	66	65	33.9	19.6	2120							
FS HiSOY	HS 2166	2.1	**69**	2.1	17-Sep	71	71	65	34.9	19.6	2313							
FS HiSOY	HS 21A02	2.1	**70**	1.8	18-Sep	* 72	* 77	61	34.8	19.7	2527							
FS HiSOY	HS 22R70	2.2	**71**	1.9	18-Sep	* 72	67	* 74	33.4	20.1	2153	**52**	1.0	27-Sep	33.7	19.4	1660	*** 62**
G2	6159	1.5	**62**	2.3	6-Sep	63	61	61	35.1	20.3	2040	**51**	1.1	17-Sep	35.0	19.1	1647	**56**
G2	6160	1.6	**65**	2.2	13-Sep	67	67	60	34.4	19.5	2169							
G2	7164	1.6	**64**	2.5	16-Sep	66	62	64	34.4	19.4	2013							
G2	7180	1.8	**62**	2.2	17-Sep	63	58	66	35.5	19.1	1906							
G2	7208	2.0	**69**	2.1	18-Sep	69	67	* 70	35.0	19.6	2191	*** 58**	1.0	27-Sep	34.5	18.8	1864	*** 63**
G2	7212	2.1	**70**	2.2	17-Sep	* 75	64	* 71	33.4	20.1	2053	**51**	1.2	27-Sep	33.7	19.4	1629	*** 61**
G2	7230	2.3	**69**	1.9	20-Sep	69	68	69	34.1	19.7	2211							
G2	7249	2.4	**69**	1.9	19-Sep	71	69	66	34.2	19.7	2232							
G2	7258	2.5	**72**	2.0	23-Sep	* 75	73	68	36.2	19.4	2421							

Continued

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

Performance of Commercial Entries at Three Central Wisconsin Locations.
FON = FOND DU LAC, GAL = GALESVILLE, HAN=HANCOCK

			2010 3-Test Average			2010 Yields			2010 Composition [1]			2009 3-Test Average						6-Test
Originator/Brand	Entry	Maturity Group	**Yield**	Lodging	Maturity	FON	GAL	HAN	Protein	Oil	Protein plus Oil	**Yield**	Lodging	Maturity	Protein	Oil	Protein plus Oil	**Ave. Yield**
			bu/A	1-5	date	----------	bu/A	-------	%	%	lb/A	**bu/A**	1-5	date	%	%	lb/A	**bu/A**
Jung	1163 RR2	1.6	**67**	2.1	13-Sep	70	62	69	35.4	19.2	2015							
Jung	1196 RR2	1.9	**69**	2.1	16-Sep	67	72	67	33.8	20.1	2335							
Jung	1201 RR2	2.0	**68**	1.8	17-Sep	* 72	73	59	34.8	19.8	2388							
Jung	1225 RR2	2.2	**72**	1.8	21-Sep	70	* 75	* 71	33.9	20.0	2427	*** 58**	1.1	25-Sep	34.7	18.7	1872	*** 65**
Legacy	LS-1710 RR2	1.7	*** 74**	2.1	16-Sep	* 76	* 75	* 70	34.7	19.4	2434							
Legacy	LS-1909 RR	2.0	**68**	1.9	17-Sep	71	65	69	34.5	19.8	2128							
NK Brand	S 19-A6 Brand	1.9	*** 73**	1.7	20-Sep	71	* 80	69	34.0	19.3	2549	**52**	1.4	30-Sep	35.0	17.6	1631	*** 63**
NK Brand	S 21-B1 Brand	2.1	**70**	2.3	19-Sep	68	66	* 75	32.5	20.5	2086							
NK Brand	S 21-N6 Brand	2.1	**68**	1.8	18-Sep	68	66	69	33.7	20.3	2130	**53**	1.3	28-Sep	34.5	18.9	1690	**60**
NK Brand	S 23-A8 Brand	2.3	**68**	2.3	20-Sep	* 72	68	64	34.4	19.1	2199							
NuTech	1808 RN	1.8	**68**	1.7	18-Sep	67	73	63	34.7	19.3	2379	*** 56**	1.0	28-Sep	34.8	18.5	1785	*** 62**
NuTech	6195	1.9	**69**	1.8	23-Sep	69	70	67	34.9	18.7	2242							
NuTech	7199	1.9	**65**	2.0	17-Sep	67	59	68	34.4	19.7	1911	*** 54**	1.2	28-Sep	35.7	18.3	1762	**60**
NuTech	6224	2.2	**70**	1.9	20-Sep	* 74	66	* 71	34.7	19.3	2123	**51**	1.3	1-Oct	35.9	17.8	1642	*** 61**
NuTech	7201	2.0	**66**	1.8	15-Sep	70	61	66	34.0	20.1	1986	*** 54**	1.0	24-Sep	34.7	19.0	1738	**60**
NuTech	6228	2.2	*** 73**	1.9	18-Sep	71	* 78	* 70	34.4	19.7	2536							
NuTech	7222	2.2	**69**	2.2	20-Sep	70	68	* 70	33.4	20.1	2173	*** 56**	1.2	27-Sep	33.9	19.3	1795	*** 63**
NuTech	6244	2.4	*** 74**	1.8	21-Sep	* 73	* 75	* 75	33.8	19.1	2373	**51**	1.3	1-Oct	34.6	18.4	1622	*** 63**
O'Brien	O'Soy 150 RR	1.6	**69**	2.0	19-Sep	66	63	* 77	35.7	19.1	2056							
O'Brien	O'Soy 250 RR	2.5	*** 74**	1.9	24-Sep	* 75	* 76	* 72	34.8	19.3	2463	**48**	1.4	4-Oct	36.2	17.3	1553	*** 61**
Pioneer Brand	91Y80	1.8	**63**	1.8	17-Sep	64	62	62	34.5	19.9	2031	**53**	1.1	19-Sep	35.0	18.7	1709	**58**
Pioneer Brand	91Y90	1.9	**66**	1.8	13-Sep	66	69	63	34.9	19.4	2260	**52**	1.0	25-Sep	35.1	18.1	1659	**59**
Pioneer Brand	92Y30	2.3	**68**	1.9	21-Sep	65	72	68	33.9	20.3	2344	**51**	1.2	1-Oct	35.2	18.4	1631	**60**
Power Plus	20E1	2.0	**69**	1.9	16-Sep	63	* 75	69	35.0	19.6	2440							
Power Plus	23Z1	2.3	**69**	1.9	20-Sep	69	67	* 70	34.1	20.0	2165							
Renk	RS 210 NR2	2.0	**69**	2.0	19-Sep	67	72	68	33.6	20.0	2327	*** 59**	1.2	28-Sep	34.6	18.7	1897	*** 64**
Renk	RS 211 NR2	2.1	**64**	1.8	20-Sep	68	65	60	33.6	19.7	2069							
Renk	RS 241 R2	2.4	*** 78**	2.1	24-Sep	* 77	* 80	* 76	34.2	19.2	2567							
Steyer	2210 RR2	2.2	**70**	1.9	23-Sep	* 72	66	* 71	34.5	19.1	2123							
Trelay	18RR21	1.8	**68**	2.1	17-Sep	65	72	68	33.6	20.2	2308							
Trelay	21RR37	2.1	*** 73**	1.8	19-Sep	71	* 74	* 73	33.7	20.1	2390							
Trelay	23RR31	2.3	**72**	2.1	22-Sep	* 72	* 74	* 70	34.9	19.1	2395							
MEAN			**69**	2.0	18-Sep	70	70	68	34.3	19.6	2249	**53**	1.1	25-Sep	35.1	18.4	1707	**61**
LSD(0.10)			**5**	0.5	4	5	6	7	0.4	0.2	202	**5**	ns	4	0.6	0.3	180	**4**

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

[1] Protein and Oil determinations collected at the Galesville site in 2010.

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

			2010 3-Test Average			2010 Yields			2010 Composition[1]			2009 3-Test Average						6-Test
Originator/Brand	Entry	Maturity Group	**Yield**	Lodging	Maturity	CHP	MAR	SEY [2]	Protein	Oil	Protein plus Oil	**Yield**	Lodging	Maturity	Protein	Oil	Protein plus Oil	**Ave. Yield**
			bu/A	1-5	date	--------bu/A---------			%	%	lb/A	**bu/A**	1-5	date	%	%	lb/A	**bu/A**
Asgrow	AG 0730	0.7	**54**	1.6	12-Sep	62	54	46	34.6	17.8	1703							
Asgrow	AG 1230	1.2	**54**	1.3	15-Sep	64	* 60	39	35.1	18.0	1897							
Asgrow	AG 1431	1.4	* **59**	1.8	18-Sep	73	56	47	34.4	18.7	1783							
Asgrow	AG 1631	1.6	**54**	1.9	18-Sep	72	51	38	34.3	18.0	1611							
Bio Gene	BG 7140	1.4	**54**	1.8	24-Sep	68	* 59	34	33.7	18.0	1824							
Channel	1101R2 Brand	1.1	* **60**	1.5	17-Sep	68	* 61	* 50	34.4	18.0	1908							
Channel	1501R2 Brand	1.5	**54**	2.3	17-Sep	65	57	39	34.8	18.1	1805							
Croplan	R2C 2070	2.0	* **62**	1.8	25-Sep	73	* 59	* 54	34.8	18.5	1868							
Croplan	RT 1992	1.9	**52**	1.5	23-Sep	74	46	35	33.4	18.8	1451	**50**	1.0	26-Sep	33.5	19.4	1598	* **51**
Croplan	RC 2068	2.0	**56**	1.7	25-Sep	70	53	45	34.1	18.8	1672	**49**	1.0	2-Oct	33.8	19.0	1570	* **53**
Croplan	RC 2257	2.2	* **58**	1.7	22-Sep	* 82	52	41	33.3	18.6	1610							
Dairyland	DSR-1370/R2Y	1.3	* **62**	1.8	20-Sep	75	* 65	46	33.4	18.1	2005							
Dairyland	DSR-1710/R2Y	1.7	* **57**	1.6	22-Sep	74	50	46	33.8	17.7	1549							
Dairyland	DST19-003/R2Y	1.9	* **59**	1.7	27-Sep	70	58	* 50	34.5	16.8	1785							
Dyna-Gro	37RY14	1.4	**56**	1.3	19-Sep	71	51	47	33.8	18.0	1592	* **55**	1.0	1-Oct	33.9	18.7	1722	* **56**
Dyna-Gro	34RY17	1.7	* **59**	1.7	25-Sep	75	* 59	44	34.7	18.0	1861							
G2	6088	0.8	**55**	1.3	15-Sep	69	48	48	34.7	18.4	1545							
G2	6090	0.9	**52**	1.8	12-Sep	57	50	* 49	35.4	19.2	1639							
G2	7110	1.1	**55**	1.8	17-Sep	60	54	* 51	33.3	18.8	1692							
G2	6159	1.5	**54**	1.6	19-Sep	64	51	48	33.7	19.1	1631	**49**	1.0	26-Sep	34.2	19.4	1589	* **52**
G2	6160	1.6	**49**	1.6	19-Sep	62	51	33	34.1	18.2	1598							
G2	7164	1.6	**51**	1.8	21-Sep	64	50	40	34.0	18.0	1567							
G2	7180	1.8	**56**	1.7	24-Sep	71	48	48	34.4	17.8	1496							
G2	7208	2.0	**56**	1.7	27-Sep	73	53	43	34.7	18.2	1602							
Jung	1086 RR2	0.8	* **59**	1.7	14-Sep	70	54	* 53	34.1	18.4	1702							
Jung	1098 RR2	0.9	**49**	1.8	16-Sep	61	49	36	34.2	18.2	1536	**49**	1.0	26-Sep	34.5	18.7	1579	**49**
Jung	1141 RR2	1.4	* **57**	1.3	20-Sep	70	56	44	33.9	18.1	1744	* **54**	1.0	29-Sep	34.0	18.8	1701	* **55**
Jung	1163 RR2	1.6	* **57**	1.7	26-Sep	* 78	49	44	34.6	18.2	1562	* **56**	1.0	30-Sep	35.0	18.6	1799	* **56**
Legacy	LS-139 RR	1.2	**49**	1.4	18-Sep	67	38	43	34.4	17.5	1174							
Legacy	LS-1710 RR2	1.7	* **63**	1.5	25-Sep	* 78	57	* 53	34.4	17.9	1784							

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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

			2010 3-Test Average			2010 Yields			2010 Composition[1]			2009 3-Test Average						6-Test
Originator/Brand	Entry	Maturity Group	**Yield**	Lodging	Maturity	CHP	MAR	SEY [2]	Protein	Oil	Protein plus Oil	**Yield**	Lodging	Maturity	Protein	Oil	Protein plus Oil	**Ave. Yield**
			bu/A	1-5	date	--------bu/A---------			%	%	lb/A	**bu/A**	1-5	date	%	%	lb/A	**bu/A**
NK Brand	S 09-N6 Brand	0.9	**53**	1.7	16-Sep	66	46	48	33.7	18.8	1447	**50**	1.0	23-Sep	35.0	18.2	1594	*** 52**
NK Brand	S 13-A4 Brand	1.3	**52**	1.6	16-Sep	70	47	40	34.9	18.2	1499							
NK Brand	S 17-G8 Brand	1.7	*** 58**	1.6	19-Sep	72	58	44	33.9	18.2	1823							
NuTech	0889 RR	0.8	**54**	2.0	14-Sep	67	55	40	34.5	18.9	1751							
NuTech	6122	1.2	**51**	1.4	15-Sep	68	46	39	34.4	17.4	1417							
NuTech	6145	1.4	*** 57**	1.4	20-Sep	72	51	47	33.1	18.7	1586	**50**	1.0	3-Oct	34.0	19.0	1592	*** 53**
NuTech	6205+	1.5	*** 57**	1.5	28-Sep	73	46	* 53	32.9	18.7	1437							
NuTech	1717 RN	1.7	**54**	1.7	23-Sep	* 76	50	36	32.9	19.2	1568	*** 53**	1.0	2-Oct	33.4	19.4	1672	*** 54**
NuTech	1808 RN	1.8	*** 57**	1.4	26-Sep	73	53	44	33.9	18.4	1655	**49**	1.0	5-Oct	34.5	18.6	1560	*** 53**
NuTech	6195	1.9	*** 61**	1.6	28-Sep	* 76	57	* 49	34.3	17.6	1759							
O'Brien	O'Soy 150 RR	1.6	**51**	1.7	24-Sep	66	47	39	35.0	18.0	1491							
Pioneer Brand	90Y80	0.8	**49**	1.9	10-Sep	64	43	39	33.7	19.8	1370							
Pioneer Brand	91M01	1.2	**53**	2.3	15-Sep	64	49	45	33.5	20.2	1582							
Pioneer Brand	91Y80	1.8	*** 58**	1.8	25-Sep	63	53	* 58	34.6	18.2	1667	**48**	1.0	1-Oct	34.0	19.1	1541	*** 53**
Pioneer Brand	91Y90	1.9	*** 61**	1.3	25-Sep	72	51	* 59	34.9	18.0	1628	**51**	1.0	30-Sep	34.8	18.0	1600	*** 56**
Renk	RS 140 NR2	1.4	**56**	1.3	20-Sep	75	53	39	33.8	17.9	1639	**51**	1.0	7-Oct	34.1	18.5	1600	*** 53**
Renk	RS 141 NR2	1.4	**52**	1.8	22-Sep	65	53	38	33.7	17.8	1648							
Renk	RS 161 NR2	1.6	*** 58**	2.3	25-Sep	72	54	48	35.6	17.2	1724							
Renk	RS 181 NR2	1.8	*** 64**	1.8	27-Sep	* 81	* 59	* 51	33.2	18.5	1843							
Trelay	14RR61	1.4	**56**	1.5	20-Sep	69	49	* 49	33.7	18.1	1537							
Trelay	16RR78	1.6	*** 57**	2.1	23-Sep	69	55	47	35.6	17.2	1742							
Trelay	18RR21	1.8	*** 60**	1.6	27-Sep	* 78	57	45	33.4	18.6	1787							
MEAN			**56**	1.7	20-Sep	70	53	45	34.2	18.3	1650	**50**	1.0	28-Sep	34.5	18.6	1593	**53**
LSD(0.10)			**7**	0.5	4	6	6	10	0.3	0.2	179	**4**	ns	5	0.4	0.3	115	**6**

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

[1] Protein and Oil determinations collected at the Marshfield site in 2010.

[2] Reported soybean yields were adjusted based on a MIXED model statistical analysis that include the percent flooding as a covariate to estimate the effect of flooding on soybean productivi

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

			2010 3-Test Average			2010 Yields			2010 Composition[1]			2009-Test Average						6-Test
Originator/Brand	Entry	Maturity Group	**Yield**	Lodging	Maturity	SPD	SPI	STR	Protein	Oil	Protein plus Oil	**Yield**	Lodging	Maturity	Protein	Oil	Protein plus Oil	**Ave. Yield**
			bu/A	1-5	date	----------bu/A----------			%	%	lb/A	**bu/A**	1-5	date	%	%	lb/A	**bu/A**
Asgrow	AG 0730	0.7	* **56**	1.4	10-Sep	* 52	50	* 67	34.8	18.0	2110							
Croplan	RT 1188S	1.1	**53**	2.7	20-Sep	* 54	46	60	34.2	17.9	1886							
Croplan	R2C 1669	1.6	* **59**	1.3	24-Sep	* 56	* 57	* 63	34.6	18.1	2000							
Dairyland	DSR-0949/R2Y	0.9	* **55**	1.4	17-Sep	50	51	* 63	34.1	18.6	1996							
Dairyland	DSR-1215/R2Y	1.2	* **56**	1.4	21-Sep	* 54	51	* 63	33.7	17.9	1958							
Legacy	LS-0810 RR	0.8	* **56**	1.3	16-Sep	* 54	* 53	60	34.6	18.8	1926							
NK Brand	S 06-W2 Brand	0.6	**51**	1.7	10-Sep	47	48	58	35.2	17.9	1851	* **44**	1.0	23-Sep	34.8	17.4	1387	* **48**
NK Brand	S 09-N6 Brand	0.9	**52**	1.3	12-Sep	50	49	57	34.2	18.8	1817	* **46**	1.0	28-Sep	34.4	17.4	1422	* **49**
Pioneer Brand	90Y50	0.5	**52**	1.7	7-Sep	47	50	60	33.9	19.8	1901	**40**	1.0	19-Sep	34.5	18.1	1249	* **46**
Pioneer Brand	90Y80	0.8	**54**	1.8	7-Sep	* 54	* 52	57	33.6	20.0	1832	* **44**	1.0	20-Sep	33.6	19.0	1392	* **49**
Pioneer Brand	91M01	1.2	**49**	2.0	10-Sep	44	45	58	34.0	20.4	1895							
Renk	RS 050 RR	0.5	* **57**	2.0	11-Sep	* 55	51	* 66	33.7	19.7	2109							
Renk	RS 061 R2	0.6	* **55**	1.5	9-Sep	* 57	* 52	57	34.7	18.6	1829							
MEAN			**54**	1.7	13-Sep	52	50	61	34.3	18.7	1925	**43**	1.0	25-Sep	34.6	17.8	1343	**48**
LSD(0.10)			**4**	0.4	2	6	5	5	0.5	0.3	178	**4**	ns	3	0.5	0.3	127	**3**

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

[1] Protein and Oil determinations collected at the Sturgeon Bay site in 2010.

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

TABLE 6. SOUTHERN CONVENTIONAL AND TRAITED HERBICIDE SOYBEAN TEST (Page 1 of 2)

Performance of Public and Commercial Entries at Two Wisconsin Locations.
ARL=ARLINGTON, LAN=LANCASTER

				2010 2-Test Average						2010 Yields		2009 2-Test Average						2 - Year
Originator/Brand	Entry	Maturity Group	Herb.[1] Toler.	**Yield**	Lodging	Maturity	Protein	Oil	Protein plus Oil	ARL	LAN	**Yield**	Lodging	Maturity	Protein	Oil	Protein plus Oil	**Ave. Yield**
				bu/A	1-5	date	%	%	lb/A	bu/A	bu/A	**bu/A**	1-5	date	%	%	lb/A	**bu/A**
Asgrow	AG 2430	2.4	RR	* **73**	2.5	27-Sep	33.1	19.0	2262	* 79	* 66							
Asgrow	AG 2830	2.8	RR	* **74**	3.1	4-Oct	33.0	18.9	2296	* 79	* 69							
Blue River	23FC1	2.3	CN	* **72**	3.5	20-Sep	34.2	18.5	2261	77	* 66							
Blue River	25A0	2.5	CN	* **74**	3.0	26-Sep	33.9	19.2	2358	78	* 70							
Blue River	26F0	2.6	CN	**57**	2.9	6-Oct	37.9	17.5	1892	62	52							
Blue River	2A71	2.7	CN	**64**	2.9	2-Oct	35.0	18.2	2038	68	60	* **55**	2.9	9-Oct	35.6	17.7	1748	**59**
Blue River	29AR9	2.8	CN	**67**	3.2	1-Oct	33.6	18.0	2073	72	62							
Channel	2200R2 Brand	2.2	RR	* **75**	2.5	22-Sep	32.4	20.2	2362	* 87	63							
Croplan	LT 1829	1.8	LL	**66**	2.8	19-Sep	35.0	18.6	2115	71	61							
Croplan	RT 2588	2.5	RR	* **74**	2.4	25-Sep	33.2	19.3	2333	* 85	63							
Dairyland	DSR-2400	2.4	CN	**65**	3.9	27-Sep	35.0	18.7	2068	72	57							
Dairyland	DSR-2770/RR	2.7	RR	* **68**	2.7	4-Oct	34.3	19.0	2177	71	* 65							
Dairyland	DSR-2930/R2Y	2.9	RR	* **71**	3.5	5-Oct	33.8	17.7	2189	75	* 67							
Delong	D 2008	2.0	CN	* **69**	3.8	18-Sep	33.9	19.9	2217	72	* 66							
FS HiSOY	HS 23L02	2.3	LL	* **73**	3.9	29-Sep	35.5	18.1	2320	* 80	* 65							
FS HiSOY	HS 25L80	2.5	LL	* **75**	3.8	29-Sep	33.0	19.6	2365	* 86	64	* **59**	2.3	7-Oct	33.6	18.7	1837	* **67**
Hughes	338 LL	2.4	LL	* **70**	3.7	28-Sep	33.5	19.5	2236	74	* 66							
Hughes	454 RR	2.5	RR	* **68**	3.1	27-Sep	34.6	19.1	2199	69	* 67							
Jung	1248 RR2	2.4	RR	* **72**	1.9	18-Sep	33.6	19.6	2291	* 81	63							
NK Brand	S 21-N6 Brand	2.1	RR	* **69**	3.6	20-Sep	33.5	19.7	2184	70	* 67	* **56**	1.6	28-Sep	34.1	19.1	1764	* **62**
NK Brand	S 20-G7	2.0	CN	**63**	3.1	21-Sep	36.2	18.9	2065	65	60							
NK Brand	S 23-T5	2.3	CN	* **70**	3.3	20-Sep	33.9	18.6	2183	72	* 67							
NK Brand	S 26-F9	2.6	CN	**58**	3.8	30-Sep	35.5	18.8	1880	59	56							
NuTech	3248 L	2.2	LL	* **74**	3.7	30-Sep	33.1	19.6	2337	* 87	61							
NuTech	6244	2.4	RR	* **69**	2.0	28-Sep	32.7	19.1	2149	* 79	59							
NuTech	3255 L	2.4	LL	* **71**	2.9	30-Sep	34.3	18.5	2233	77	* 65							
NuTech	3280 L	2.5	LL	**65**	2.7	2-Oct	34.6	18.5	2051	68	61							
O'Brien	O'Soy 164 LL	1.6	LL	**64**	3.8	15-Sep	33.9	18.8	2012	67	61							
O'Brien	O'Soy 201 C	2.1	CN	**64**	4.3	20-Sep	32.5	20.5	2022	71	57							
Pioneer Brand	92Y80	2.8	RR	* **70**	3.1	28-Sep	35.5	19.2	2301	* 80	60							

Continued

TABLE 6. SOUTHERN CONVENTIONAL AND TRAITED HERBICIDE SOYBEAN TEST (Page 2 of 2)

Performance of Public and Commercial Entries at Two Wisconsin Locations.
ARL=ARLINGTON, LAN=LANCASTER

				2010 2-Test Average						2010 Yields		2009 2-Test Average						2 - Year
Originator/Brand	Entry	Maturity Group	Herb.[1] Toler.	**Yield**	Lodging	Maturity	Protein	Oil	Protein plus Oil	ARL	LAN	**Yield**	Lodging	Maturity	Protein	Oil	Protein plus Oil	**Ave. Yield**
				bu/A	1-5	date	%	%	lb/A	bu/A	bu/A	**bu/A**	1-5	date	%	%	lb/A	**bu/A**
Public	MN 1005	1.0	CN	**53**	4.8	11-Sep	33.8	20.1	1692	63	42	**43**	3.0	19-Sep	35.1	18.6	1354	**48**
Public	Deuel	1.1	CN	**63**	4.5	12-Sep	33.8	19.9	2027	67	59	**46**	3.0	19-Sep	35.7	18.3	1474	**54**
Public	MN 1410	1.4	CN	* **68**	4.2	16-Sep	35.0	19.4	2219	74	62	* **50**	2.3	23-Sep	36.1	18.4	1633	**59**
Public	MN 1505 SP	1.5	CN	**57**	4.2	14-Sep	37.0	18.4	1901	63	51							
Public	IA 1006	1.6	CN	**56**	4.7	15-Sep	33.9	19.2	1776	60	52	**45**	2.6	26-Sep	35.0	18.1	1444	**51**
Public	IA 1022	1.7	CN	* **69**	4.2	19-Sep	32.3	20.5	2189	75	63	**47**	2.0	24-Sep	33.8	19.5	1513	**58**
Public	MN 1701 SN	1.7	CN	**64**	4.5	18-Sep	34.9	18.9	2045	68	59	* **48**	2.5	28-Sep	35.7	18.2	1562	**56**
Public	Davidson	2.2	CN	**67**	3.2	23-Sep	33.8	18.3	2080	73	60	* **51**	2.1	27-Sep	35.1	17.5	1616	**59**
Viking	O.1706 N	1.7	CN	**63**	3.3	19-Sep	34.4	18.9	1995	68	57	* **55**	1.5	19-Sep	35.0	18.3	1743	**59**
Viking	2020 N	2.0	CN	**64**	4.0	20-Sep	34.8	18.1	2032	64	64	**46**	2.4	22-Sep	35.2	18.2	1454	**55**
Viking	O.2022	2.0	CN	**67**	4.0	19-Sep	33.4	19.8	2143	74	60							
Viking	O.2078 N	2.0	CN	**67**	2.8	20-Sep	34.3	19.1	2124	71	62	* **51**	1.4	25-Sep	35.8	17.8	1624	**59**
Viking	O.2265	2.2	CN	**65**	3.1	22-Sep	33.5	19.1	2051	68	62	* **54**	2.0	29-Sep	35.0	18.2	1707	**59**
Viking	2375 N	2.5	CN	**67**	1.7	21-Sep	33.7	19.9	2149	72	62							
Mean				**67**	3.4	23-Sep	34.1	19.1	2129	72	61	**50**	2.1	26-Sep	35.4	18.2	1613	**58**
LSD(0.10)				**7**	0.9	3	0.9	0.4	212	8	5	**12**	1.1	7	1.1	0.9	390	**7**

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

[1] Herb. Toler. ; Herbicide Tolerance : CN = Conventional herbicide , LL = = Tolerance to Ignite herbicide, RR = Tolerance to glyphosate herbicide.

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

TABLE 7. NORTH CENTRAL CONVENTIONAL AND TRAITED HERBICIDE SOYBEAN TEST (Page 1 of 2)

Performance of Public and Commercial Entries at Marshfield WI.

				2010						2009						2 - Year
Originator/Brand	Entry	Maturity Group	Herb.[1] Toler.	**Yield**	Lodging	Maturity	Protein	Oil	Protein plus Oil	**Yield**	Lodgin	Maturity	Protein	Oil	Protein plus Oil	**Ave. Yield**
				bu/A	1-5	date	%	%	lb/A	**bu/A**	1-5	date	%	%	lb/A	**bu/A**
Asgrow	AG 1230	1.2	RR	* **60**	1.0	19-Sep	34.7	17.8	1878							
Asgrow	AG 1431	1.4	RR	**58**	1.0	21-Sep	34.5	18.6	1836							
Blue River	06F8	0.6	CN	**52**	2.0	12-Sep	33.1	19.7	1647							
Blue River	10F1	1.0	CN	**50**	1.0	10-Sep	34.9	18.6	1612							
Blue River	11A1	1.1	CN	**55**	1.8	18-Sep	34.2	18.6	1729							
Blue River	14F1	1.4	CN	**47**	1.0	20-Sep	35.7	18.8	1542							
Blue River	1F44	1.4	CN	**46**	1.5	20-Sep	37.3	17.5	1524							
Blue River	16A7	1.6	CN	**53**	1.0	21-Sep	33.7	18.1	1647	**45**	1.0	27-Sep	34.1	17.5	1400	**49**
Channel	1501R2 Brand	1.5	RR	**51**	2.3	21-Sep	34.8	18.2	1622							
Croplan	LT 1519	1.5	LL	**57**	1.8	21-Sep	33.7	17.9	1768							
Croplan	LT 1829	1.8	LL	**53**	1.5	28-Sep	35.3	17.5	1667							
Dairyland	DSR-1370/R2Y	1.3	RR	* **64**	1.3	23-Sep	33.3	18.1	1973							
Delong	D 2008	2.0	CN	**55**	1.8	26-Sep	33.3	18.9	1720							
Dyna-Gro	37RY14	1.4	RR	* **60**	1.0	27-Sep	34.3	17.9	1933							
Excel	7122 STS	1.2	STS	* **60**	1.8	21-Sep	34.3	18.0	1875							
G2	7164	1.6	RR	**51**	1.5	25-Sep	33.8	18.1	1626							
Legacy	LS-1710 RR2	1.7	RR	**54**	1.0	28-Sep	34.6	17.7	1691							
NK Brand	S 17-G8 Brand	1.7	RR	* **62**	1.3	25-Sep	33.8	18.1	1932							
NK Brand	X 07	0.7	CN	**49**	3.0	14-Sep	37.7	17.2	1624							
NK Brand	S 14-P6	1.4	CN	**47**	1.0	17-Sep	35.6	18.8	1547							
NK Brand	S 18-R6	1.8	CN	**53**	1.0	20-Sep	33.7	18.6	1678							
NK Brand	S 20-G7	2.0	CN	**56**	1.8	29-Sep	35.9	18.1	1806							
NuTech	6205+	1.5	RR	**51**	1.3	28-Sep	33.2	18.5	1576							
NuTech	3199 L	1.9	LL	**57**	2.0	1-Oct	35.4	17.6	1815							
O'Brien	O'Soy 164 LL	1.6	LL	**56**	1.5	25-Sep	33.9	17.7	1734							

Continued

TABLE 7. NORTH CENTRAL CONVENTIONAL AND TRAITED HERBICIDE SOYBEAN TEST (Page 2 of 2)

Performance of Public and Commercial Entries at Marshfield WI.

				2010						2009						2 - Year
Originator/Brand	Entry	Maturity Group	Herb.[1] Toler.	**Yield**	Lodging	Maturity	Protein	Oil	Protein plus Oil	**Yield**	Lodgin	Maturity	Protein	Oil	Protein plus Oil	**Ave. Yield**
				bu/A	1-5	date	%	%	lb/A	**bu/A**	1-5	date	%	%	lb/A	**bu/A**
O'Brien	O'Soy 201 C	2.1	CN	**56**	1.5	26-Sep	32.5	19.4	1756							
Pioneer Brand	91Y80	1.8	RR	**53**	1.0	25-Sep	34.5	18.3	1675							
Public	MN 0302	0.3	CN	**38**	1.3	6-Sep	35.6	18.5	1221	**34**	1.0	17-Sep	34.6	18.5	1086	**36**
Public	Sheyenne	0.7	CN	**44**	1.8	11-Sep	34.9	18.1	1412							
Public	Prosoy	0.8	CN	**48**	1.5	16-Sep	37.7	17.5	1592							
Public	MN 1005	1.0	CN	**49**	2.5	14-Sep	33.9	19.3	1551	**47**	1.0	27-Sep	34.0	18.6	1496	**48**
Public	Deuel	1.1	CN	**53**	2.5	23-Sep	35.4	18.0	1706	**53**	1.0	30-Sep	35.2	17.5	1668	* **53**
Public	MN 1410	1.4	CN	**56**	1.8	24-Sep	34.9	18.6	1802	* **57**	1.0	29-Sep	35.2	18.5	1848	* **57**
Public	MN 1505 SP	1.5	CN	**42**	1.3	25-Sep	37.2	17.5	1365							
Public	IA 1006	1.6	CN	**52**	2.5	20-Sep	34.2	18.0	1634	* **58**	1.0	3-Oct	34.2	17.9	1818	* **55**
Public	IA 1022	1.7	CN	**58**	1.8	25-Sep	32.6	19.4	1803	**50**	1.0	4-Oct	32.5	18.9	1544	* **54**
Public	MN 1701 SN	1.7	CN	**52**	2.0	26-Sep	33.9	18.1	1631	* **54**	1.0	6-Oct	35.5	17.5	1721	* **53**
Public	Davidson	2.2	CN	**56**	1.5	25-Sep	34.4	16.9	1722							
Mean				**53**	1.6	21-Sep	34.6	18.2	1680	**49**	1.0	2-Oct	34.7	17.9	1538	**51**
LSD(0.10)				**5**	0.5		0.4	0.3	162	**4**	ns		0.4	0.3	136	**5**

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

[1] Herb. Toler. ; Herbicide Tolerance : CN = Conventional herbicide , LL = = Tolerance to Ignite herbicide, STS = Tolerance to Sulfonylurea herbicides, RR = Tolerance to glyphosate herbicide.

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

TABLE 8. SOYBEAN WHITE MOLD TEST

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

Originator/Brand	Entry	Maturity Group	Herb.[1] Toler.	2010 Yield	2010 White Mold [2]	2010 Lodging	2009 Yield	2009 White Mold [2]	2009 Lodging	2-Year Yield	2-Year White Mold [2]
				bu/A	%	1-5	bu/A	%	1-5	bu/A	%
Dairyland	DSR-1100/RR	1.1	RR	72	3	1.5	46	14	1.5	* **59**	**9**
Dairyland	DSR-1807/R2Y	1.7	RR	76	3	1.5					
Dairyland	DSR-2118	2.1	CN	63	16	1.0	* 50	41	1.0	* **57**	**29**
FS HiSOY	HS 2166	2.1	RR	* 82	0	1.3					
FS HiSOY	HS 21A02	2.1	RR	* 85	2	1.3					
FS HiSOY	HS 22R70	2.2	RR	* 81	1	1.8	* 46	46	1.0	* **64**	**24**
FS HiSOY	HS 23A02	2.3	RR	* 78	0	2.0					
FS HiSOY	HS 24A01	2.4	RR	* 87	3	1.8					
FS HiSOY	HS 24R91	2.4	RR	* 81	5	2.0	37	53	1.0	* **59**	**29**
FS HiSOY	HS 25A02	2.5	RR	* 80	2	1.5					
Pioneer Brand	91M01	1.2	RR	68	4	2.0					
Pioneer Brand	91Y90	1.9	RR	71	2	1.3					
Pioneer Brand	92Y30	2.3	RR	* 81	0	1.0					
Pioneer Brand	92Y51	2.5	RR	76	4	1.5					
MEAN				77	3	1.5	47	43	1.0	**60**	**23**
LSD(0.10)				10	ns	0.5	8	24	ns	**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 9. SOYBEAN CYST NEMATODE TEST

Performance of Commercial Roundup Ready Entries In SCN Disease Field Environment at East Troy and Hancock, WI.

				2010 2-Test Average					2010								2 Year
									East Troy				Hancock				
		Maturity	SCN Resistance	Yield	Egg Counts [2]		Pf/Pi [3]	Lodging	Yield	Egg Counts [2]		Pf/Pi [3]	Yield	Egg Counts [2]		Pf/Pi [3]	Ave. Yield
Originator/Brand	Entry	Group	Source		Spring (i)	Fall (f)				Spring (i)	Fall (f)			Spring (i)	Fall (f)		
				bu/A				1-5	bu/A				bu/A				bu/A
G2	7208	2.0	PI 88788	**67**	1842	1500	0.8	1.0	67	1617	567	0.4	* 66	2067	2433	1.3	* **67**
G2	7212	2.1	PI 88788	**66**	2625	2383	1.0	1.0	67	1567	433	0.5	* 65	3684	4333	1.5	* **66**
G2	7230	2.3	PI 88788	**68**	2925	1900	2.3	2.0	* 72	4083	1283	0.8	63	1767	2517	3.7	
G2	7250	2.5	PI 88788	* **73**	2675	2208	1.8	2.0	* 75	4583	2550	0.6	* 70	767	1867	3.1	
G2	7258	2.5	PI 88788	* **73**	2621	1933	2.3	2.0	* 76	3233	1367	1.3	* 69	2008	2500	3.2	
Latham	2620	2.6	PI 437654	**55**	1696	2175	2.4	1.0	58	2183	850	1.7	52	1208	3500	3.1	
NK Brand	S 25-T7 Brand	2.5	PI 88788	**67**	2788	2841	2.2	1.0	* 71	3284	2666	0.5	63	2292	3017	3.9	
NuTech	1808 RN	1.8	PI 88788	**65**	4142	1867	2.3	1.0	65	7450	1217	0.5	* 65	833	2517	4.0	**65**
NuTech	7222	2.2	PI 88788	**65**	4725	3150	2.7	2.0	64	8217	3750	1.1	* 65	1234	2550	4.3	* **66**
NuTech	7269	2.6	PI 88788	* **71**	2175	1900	2.0	2.0	* 72	3400	1517	1.0	* 69	950	2284	3.1	* **69**
NuTech	2660 RN	2.6	PI 88788	* **69**	3267	2758	2.1	1.0	* 72	5883	3183	0.5	* 66	650	2334	3.7	* **68**
NK Brand	S 26-P1	2.1	Peking	**68**	2042	1317	1.3	2.0	69	3017	1317	0.7	* 66	1067	1317	1.9	
MEAN				**67**	2794	2161	1.9	1.5	69	4043	1725	0.8	65	1544	2597	3.1	**67**
LSD(0.10)				**4**	ns	ns	ns	ns	5	ns	ns	ns	6	ns	ns	ns	**3**

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

[1] WM = White Mold data is expressed as a percent of diseased plants.

[2] Average number of eggs in one hundred cubic centimeters of soil.

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

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

TABLE 10. SEED SOURCE FOR SOYBEAN ENTRIES IN 2010

Brand	Company Name	Address	Phone	Website
Asgrow	Monsanto Company	800 N. Linbergh Bvld, St. Louis, MO, 63137	(815) 754-4809	www.monsanto.com
Bio Gene	Bio Gene Seeds/Van Treeck Seed	5477 Tri County Hwy, Sardinia, OH, 45171	(888) 862-8276	www.biogenesees.com
Blue River	Blue River Hybrids	27087 Timber Road, Kelly, IA, 50134	(800) 320-7979	www.blueriverorgseed.com
Channel	Channel Bio	1107 Overlook Drive, Preston, MN, 55965	(507) 696-1161	www.channelbio.com
Croplan	Winfield Solutions	W 14024 West Point Drive, Prairie Du Sac, WI, 53578	(608) 516-4636	answerplot.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	Crop Production Services	1216 Lawton Lane, Wanaukee, WI, 53597	(815) 822-8759	www.dyna-groseed.com
Excel	Van Treeck Seed Farm	6136 Stahl Road, Sheboybgan Falls, WI	(920) 467-2422	
FS Hisoy	Growmark Inc.	1701 Towanda Ave., Bloomington, IL, 61701	(309) 557-6399	www.fsseeds.com
G2	NuTech Seed	36131 Hwy 69 N, Forest City, IA, 50436	(641) 581-3350	www.yieldleader.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	jungseedgenetics.com
Legacy	Legacy Seeds Inc.	1937 Spindt Drive, Waupaca, WI, 54981	(715) 256-9313	ww.legacyseeds.com
NK Brand	Syngenta	3513 Strawberry Loop, Middleton, WI, 53562	(608) 203-6606	www.nk.com
NK Brand / Delong	The Delong Company	601 Delco Drive, Clinton, WI, 53525	608-676-2255x	www.delongcompany.com
NuTech	NuTech Seed	36131 Hwy 69 N, Forest City, IA, 50436	(641) 581-3350	www.yieldleader.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
Power Plus	Burrus Hybrids	826 Arenzville Road, Arenzville, IL, 62611	(217) 997-5511	www.burrusseed.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	(800) 289-7365	renkseed.com
Steyer	Partners in Production, LLC	PO Box 777, Sun Prairie, WI, 53590	(608) 335-2112	
Trelay	Trelay Seeds	11623 Hwy 80, Livingston, WI, 53554	(608) 943-6363	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. 2010 Temperature and Precipitation Summary.

Location		May		June		July		August		September	
	Temperature / Precipitation	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	57.2	0.1	66.0	-0.6	71.3	0.8	70.5	2.0	57.8	-2.7
	Precipitation	4.2	0.7	7.6	3.6	9.3	5.4	4.7	0.5	4.5	0.9
	Irrigation - White Mold Trial					3.2					
Chippewa Falls	Temperature	58.7	0.7	66.3	-0.5	73.0	1.6	73.1	4.1	57.7	-1.7
(Eau Claire)	Precipitation	1.7	-2.0	4.8	0.5	7.7	3.7	5.6	0.9	7.4	3.6
East Troy	Temperature	58.4	2.0	67.0	0.7	73.1	2.1	72.0	3.1	60.9	0.4
(Burlington)	Precipitation	3.6	0.5	5.7	1.7	7.4	3.6	1.5	-2.6	2.7	-0.6
Fond du Lac	Temperature	58.7	0.8	66.4	-0.7	72.7	0.9	71.8	2.3	58.2	-3.1
	Precipitation	2.7	-0.3	7.7	4.1	6.9	3.4	1.3	-2.8	3.9	0.4
Galesville	Temperature	61.1	1.3	69.4	0.8	75.1	2.3	75.1	4.8	61.6	-0.1
(La Crosse)	Precipitation	3.9	0.2	8.2	4.4	4.3	0.0	4.7	0.2	9.0	5.1
Hancock*	Temperature	59.0	2.5	66.9	1.2	72.3	2.7	72.0	4.7	57.8	-1.2
(Stevens Point)	Precipitation	3.6	0.2	7.2	3.4	10.6	6.4	5.4	1.1	0.7	-2.9
	Irrigation			2.4		2.0		1.5			
Janesville	Temperature	60.6	1.8	68.8	0.2	74.4	2.0	73.3	3.2	62.3	0.0
(Beloit)	Precipitation	3.6	0.2	5.8	1.1	6.7	2.9	2.0	-2.3	2.5	-1.2
Lancaster	Temperature	60.5	2.8	69.3	2.4	74.3	3.2	73.2	4.3	61.1	0.6
	Precipitation	4.6	0.9	8.5	3.7	10.2	6.1	4.9	0.3	4.2	1.0
Marshfield	Temperature	58.1	2.3	65.5	0.2	71.9	2.1	71.3	4.1	57.2	-0.6
	Precipitation	3.6	-0.1	6.8	2.7	11.1	7.0	4.4	0.1	9.0	4.9
Seymour	Temperature	58.8	2.4	65.3	-0.1	72.5	2.6	72.6	5.1	58.3	-0.5
(Green Bay)	Precipitation	2.0	-0.8	6.7	3.3	9.5	6.1	4.4	0.7	4.5	1.4
Spooner*	Temperature	57.7	0.6	64.1	4.9	71.0	1.6	70.5	3.3	54.7	-3.7
	Precipitation	2.9	-0.2	-1.0	1.0	5.7	1.4	5.4	0.8	5.3	1.6
	Irrigation-Sand Trial					0.5					
Sturgeon Bay	Temperature	56.4	3.0	63.4	0.3	70.7	2.1	71.2	4.2	58.1	-1.2
	Precipitation	3.0	0.1	7.9	4.4	4.5	1.1	2.6	-1.1	7.5	4.0

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

Source: Wisconsin State Climatology Office

TABLE 12. 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 0730	0.7	RR	4,5	PI 88788	Rps 1-k	P	T	BR	B
Asgrow	AG 1230	1.2	RR	4,8	PI 88788	Rps 1-c	P	G	BR	IB
Asgrow	AG 1431	1.4	RR	4,8	PI 88788	Rps 1-c	P	LTW	BR	B
Asgrow	AG 1631	1.6	RR	3,4	PI 88788	Rps 1-c	P	G	BR	IB
Asgrow	AG 1831	1.8	RR	3	PI 88788	Rps 1-k	P	T	T	B
Asgrow	AG 1931	1.9	RR	3	PI 88788	Rps 1-c	P	G	BR	IB
Asgrow	AG 2031	2.0	RR	2,3	PI 88788	Rps 1-c	P	LTW	BR	B
Asgrow	AG 2131	2.1	RR	2,3	PI 88788	Rps 1-c	P	T	BR	B
Asgrow	AG 2330	2.3	RR	2,3	PI 88788	Rps 1-k	P	G	T	IB
Asgrow	AG 2430	2.4	RR	2,7	PI 88788	Rps 1-c	P	G	T	IB
Asgrow	AG 2830	2.8	RR	2,7	PI 88788	Rps 1-c	P	G	T	IB
Asgrow	AG 3030	3.0	RR	2	PI 88788	Rps 1-c	P	G	BR	IB
Bio Gene	BG 7140	1.4	RR	4						
Blue River	06F8	0.6	CN	8						
Blue River	10F1	1.0	CN	8						
Blue River	11A1	1.1	CN	8						
Blue River	14F1	1.4	CN	8						
Blue River	1F44	1.4	CN	8						
Blue River	16A7	1.6	CN	8	Susc.		P	T	T	BR
Blue River	23FC1	2.3	CN	7						
Blue River	25A0	2.5	CN	7						
Blue River	26F0	2.6	CN	7						
Blue River	2A71	2.7	CN	7	Susc.		P	G	BR	B
Blue River	29AR9	2.8	CN	7						
Channel	1101R2 Brand	1.1	RR	4						
Channel	1501R2 Brand	1.5	RR	4,8						
Channel	1800R2 Brand	1.8	RR	3						
Channel	1901R2 Brand	1.9	RR	3						
Channel	2000R2 Brand	2.0	RR	3						
Channel	2200R2 Brand	2.2	RR	3,7						
Croplan	RT 1188S	1.1	RR	5		Rps 1-c	W	LTW	BR	B
Croplan	LT 1519	1.5	LL	8		Rps 1-k	P	TW	T	B
Croplan	R2C 1669	1.6	RR	5		Rps 1-k	P	G	T	IB
Croplan	LT 1829	1.8	LL	7,8		Rps 1-k	P	TW	T	B
Croplan	RT 1992	1.9	RR	3,4	Susc.		W	TW	T	T
Croplan	R2C 2070	2.0	RR	3,4		Rps 1-k/1c	P	LTW	BR	B
Croplan	RC 2068	2.0	RR	3,4		Rps 1-k	P	G	BR	IB
Croplan	RT 2092	2.0	RR	3	Susc.		W	TW	T	T

CONTINUED

TABLE 12. 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 2127	2.1	RR	2		Rps 1-k	W	LTW	T	BR
Croplan	RC 2257	2.2	RR	2,3,4		Rps 1-k	P	G	T	IB/BF
Croplan	R2T 2440	2.3	RR	2		Rps 1-c	P	G	BR	BF
Croplan	RT 2489	2.4	RR	2			W	LTW	BR	B
Croplan	RT 2588	2.5	RR	2,7		Rps 1-c	W	LTW	BR	B
Dairyland	DSR-0949/R2Y	0.9	RR	5						
Dairyland	DSR-1100/RR	1.1	RR	8			P	LTW	T	Y
Dairyland	DSR-1215/R2Y	1.2	RR	5						
Dairyland	DSR-1370/R2Y	1.3	RR	4,8						
Dairyland	DSR-1710/R2Y	1.7	RR	3,4						
Dairyland	DSR-1807/R2Y	1.7	RR	8		Rps 1-c	M	G	BR	IB
Dairyland	DST18-003/R2Y	1.8	RR	3						
Dairyland	DST19-003/R2Y	1.9	RR	4						
Dairyland	DSR-2011/RR	2.0	RR	2,3						
Dairyland	DSR-2118	2.1	CN	8			P	G	BR	G
Dairyland	DSR-2132/R2Y	2.1	RR	3		Rps 1-c	P	LTW	BR	IB
Dairyland	DST22-007/R2Y	2.2	RR	3						
Dairyland	DSR-2375/R2Y	2.3	RR	2,3						
Dairyland	DSR-2400	2.4	CN	7						
Dairyland	DSR-2727/R2Y	2.7	RR	2						
Dairyland	DSR-2770/RR	2.7	RR	2,7	Other	Rps 1-k	W	LTW	BR	B
Dairyland	DSR-2930/R2Y	2.9	RR	2,7	PI 88788	Rps 1-c	P	G	BR	IB
Delong	D 2008	2.0	CN	7,8		Rps 1-c	P	G	BR	Y
Dyna-Gro	37RY14	1.4	RR	4,8	PI 88788	Rps 1-c	P	G	BR	IB
Dyna-Gro	34RY17	1.7	RR	4						
Dyna-Gro	36RY19	1.9	RR	3						
Dyna-Gro	35RY21	2.1	RR	3						
Dyna-Gro	33RY23	2.3	RR	2						
Dyna-Gro	36RY24	2.4	RR	2						
Dyna-Gro	25N9 RR	2.5	RR	2	PI 88788		W	LTW	BR	B
Excel	7122 STS	1.2	STS	8						
FS HiSOY	HS 2166	2.1	RR	2,3,8	PI 88788	Rps 1-c	M	TW	BR	B
FS HiSOY	HS 21A02	2.1	RR	2,3,8	PI 88788	Rps 1-c	P	LTW	BR	B
FS HiSOY	HS 22R70	2.2	RR	2,3,8	PI 88788	Rps 1-k	P	G	T	IB
FS HiSOY	HS 23A02	2.3	RR	2,8	PI 88788	Rps 1-c	P	TW	BR	B
FS HiSOY	HS 23L02	2.3	LL	7	PI 88788		P	G	BR	IB
FS HiSOY	HS 24A01	2.4	RR	2,8	Susc.	Rps 1-c	P	G	BR	BF
FS HiSOY	HS 24R91	2.4	RR	2,8	Susc.		W	LTW	BR	B

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TABLE 12. 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
FS HiSOY	HS 25A02	2.5	RR	2,8	PI 88788		P	TW	BR	B
FS HiSOY	HS 25L80	2.5	LL	7	PI 88788		P	G	BR	IB
G2	6088	0.8	RR	4						
G2	6090	0.9	RR	4						
G2	7110	1.1	RR	4						
G2	6159	1.5	RR	3,4						
G2	6160	1.6	RR	3,4						
G2	7164	1.6	RR	3,4,8						
G2	7180	1.8	RR	3,4						
G2	7208	2.0	RR	2,3,4,9	PI 88788					
G2	7212	2.1	RR	2,3,9	PI 88788					
G2	7230	2.3	RR	2,3,9						
G2	7249	2.4	RR	2,3						
G2	7250	2.5	RR	2,9						
G2	7258	2.5	RR	2,3,9						
G2	7260	2.6	RR	2						
G2	7283	2.8	RR	2						
G2	7288	2.8	RR	2						
G2	7290	2.9	RR	2						
Hughes	338 LL	2.4	LL	7	Susc.	Rps 1-k	P	LTW	BR	B
Hughes	454 RR	2.5	RR	2,7	Susc.		W	LTW	BR	B
Hughes	555 RR	2.5	RR	2	PI 88788	Rps 1-k	W	T	BR	B
Hughes	777 RR	2.7	RR	2	PI 88788		W	LTW	BR	B
Jung	1086 RR2	0.8	RR	4						
Jung	1098 RR2	0.9	RR	4		Rps 1-c	W	G	BR	IB
Jung	1141 RR2	1.4	RR	4		Rps 1-c	W	G	BR	IB
Jung	1163 RR2	1.6	RR	3,4		Rps 1-c	P	G	BR	IB
Jung	1196 RR2	1.9	RR	3						
Jung	1201 RR2	2.0	RR	3						
Jung	1225 RR2	2.2	RR	2,3		Rps 1-c	P	G	BR	IB
Jung	1234 RR2	2.3	RR	2						
Jung	1248 RR2	2.4	RR	2,7		Rps 1-c	P	G	BR	IB
Kruger	K-201RR/SCN	2.0	RR	2	PI 88788	Rps 1-c	M	TW	BR	B
Latham	2620	2.6	RR	9						
Legacy	LS-0810 RR	0.8	RR	5			W	LTW	BR	BR
Legacy	LS-139 RR	1.2	RR	4		Rps 1-k	P	LTW	T	B
Legacy	LS-1710 RR2	1.7	RR	3,4,8	PI 88788		P	G	T	B
Legacy	LS-1909 RR	2.0	RR	3	PI 88788	Rps 1-c	P	LTW	BR	BR

CONTINUED

TABLE 12. 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
Legacy	LS-2509 RR	2.5	RR	2	PI 88788		W	LTW	BR	B
NK Brand	S 06-W2 Brand	0.6	RR	5	Susc.		P	LTW	BR	BR
NK Brand	X 07	0.7	CN	8		Rps 1-c	P	LTW	BR	Y
NK Brand	S 09-N6 Brand	0.9	RR	4,5	Susc.	Rps 1-c	W	LTW	T	BR
NK Brand	S 13-A4 Brand	1.3	RR	4	Susc.	Rps 1-k	P	LTW	T	B
NK Brand	S 14-P6	1.4	CN	8		Rps 1-c	P	G	BR	Y
NK Brand	S 17-G8 Brand	1.7	RR	4,8	PI 88788	Rps 1-c	P	G	BR	IB
NK Brand	S 18-R6	1.8	CN	8		Rps 1-a	P	G	T	Y
NK Brand	S 19-A6 Brand	1.9	RR	3	PI 88788		P	G	T	IB
NK Brand	S 20-G7	2.0	CN	7,8		Rps 1-c	P	G	BR	Y
NK Brand	S 21-B1 Brand	2.1	RR	2,3	PI 88788		W	LTW	BR	B
NK Brand	S 21-N6 Brand	2.1	RR	2,3,7	Susc.	Rps 1-k	P	LTW	BR	BR
NK Brand	S 26-P1	2.1	RR	2,9	PI 54842	Rps 1-k	P	LTW	BR	B
NK Brand	S 23-A8 Brand	2.3	RR	2,3	PI 88788	Rps 1-k	W	LTW	BR	B
NK Brand	S 23-T5	2.3	CN	7		Rps 1-c	P	LTW	T	Y
NK Brand	S 25-F2 Brand	2.5	RR	2	Susc.	Rps 1-k	W	LTW	BR	BR
NK Brand	S 25-T7 Brand	2.5	RR	9						
NK Brand	S 25-T8 Brand	2.5	RR	2	PI 88788		W	LTW	BR	B
NK Brand	S 26-F9	2.6	CN	7		Rps 3-a	W	G	BR	Y
NK Brand	S 27-C4 Brand	2.7	RR	2	PI 88788	Rps 1-k	P	LTW	T	B
NuTech	0889 RR	0.8	RR	4						
NuTech	6122	1.2	RR	4						
NuTech	6145	1.4	RR	4						
NuTech	6205+	1.5	RR	4,8						
NuTech	1717 RN	1.7	RR	4	PI 88788					
NuTech	1808 RN	1.8	RR	3,4,9	PI 88788					
NuTech	3199 L	1.9	LL	8						
NuTech	6195	1.9	RR	3,4						
NuTech	7199	1.9	RR	3						
NuTech	7201	2.0	RR	3	PI 88788					
NuTech	3248 L	2.2	LL	7						
NuTech	6224	2.2	RR	2,3						
NuTech	6228	2.2	RR	2,3						
NuTech	7222	2.2	RR	2,3,9	PI 88788					
NuTech	7235	2.3	RR	2						
NuTech	3255 L	2.4	LL	7						
NuTech	6244	2.4	RR	3,7						
NuTech	3280 L	2.5	LL	7						

CONTINUED

TABLE 12. 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	7251	2.5	RR	2						
NuTech	2660 RN	2.6	RR	2,9	PI 88788					
NuTech	7269	2.6	RR	9	PI 88788					
NuTech	6281	2.8	RR	2						
NuTech	7297	2.9	RR	2						
O'Brien	O'Soy 150 RR	1.6	RR	3,4						
O'Brien	O'Soy 164 LL	1.6	LL	7,8						
O'Brien	O'Soy 201 C	2.1	CN	7,8						
O'Brien	O'Soy 250 RR	2.5	RR	2,3						
Pioneer Brand	90Y50	0.5	RR	5		Rps 1-k	P	LTW	BR	BR
Pioneer Brand	90Y80	0.8	RR	4,5			P	LTW	T	BR
Pioneer Brand	91M01	1.2	RR	4,5,8		Rps 1-k	P	TW	BR	BR
Pioneer Brand	91Y80	1.8	RR	3,4,8	PI 88788	Rps 1-k	W	LTW	T	B
Pioneer Brand	91Y90	1.9	RR	2,3,4,8			W	LTW	BR	BR
Pioneer Brand	92Y30	2.3	RR	2,3,8	PI 88788	Rps 1-k	P	G	BR	IB
Pioneer Brand	92Y51	2.5	RR	2,8	PI 88788	Rps 1-k	P	LTW	T	B
Pioneer Brand	92Y80	2.8	RR	2,7	PI 88788	Rps 1-k	P	LTW	BR	BR
Pioneer Brand	93M11	2.9	RR	2		Rps 1-k	P	LTW	T	B
Power Plus	20E1	2.0	RR	2,3	PI 88788	Rps 1-c	M	T	BR	B
Power Plus	23Z1	2.3	RR	2,3	PI 88788	Rps 1-c	W	LTW	BR	B
Power Plus	28S1	2.8	RR	2	PI 88788	Rps 1-k	P	LTW	BR	B
Public	MN 0302	0.3	CN	8						
Public	Prosoy	0.8	CN	8						
Public	Sheyenne	0.8	CN	8						
Public	MN 1005	1.0	CN	7,8						
Public	Deuel	1.1	CN	7,8						
Public	MN 1410	1.4	CN	7,8						
Public	MN 1505 SP	1.5	CN	7,8						
Public	IA 1006	1.6	CN	7,8						
Public	MN 1701 SN	1.7	CN	7,8						
Public	IA 1022	1.9	CN	7,8						
Public	Davidson	2.2	CN	7,8						
Renk	RS 050 RR	0.5	RR	5						
Renk	RS 061 R2	0.6	RR	5						
Renk	RS 140 NR2	1.4	RR	4						
Renk	RS 141 NR2	1.4	RR	4						
Renk	RS 161 NR2	1.6	RR	4						
Renk	RS 181 NR2	1.8	RR	4						

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TABLE 12. 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
Renk	RS 210 NR2	2.0	RR	3						
Renk	RS 211 NR2	2.1	RR	3						
Renk	RS 241 R2	2.4	RR	2,3						
Renk	RS 259 NRR	2.5	RR	2						
Renk	RS 261 NR2	2.6	RR	2						
Renk	RS 271 NR2	2.7	RR	2						
Renze	R 1805	1.8	RR	2						
Steyer	2210 RR2	2.2	RR	3						
Steyer	2710 RR2	2.7	RR	2	PI 88788					
Trelay	14RR61	1.4	RR	4	PI 88788	Rps 1-c	P	G	BR	IB
Trelay	16RR78	1.6	RR	4	PI 88788		P	G	BR	IB
Trelay	18RR21	1.8	RR	3,4	PI 88788	Rps 1-k	P	G	T	IB
Trelay	21RR37	2.1	RR	2,3	PI 88788	Rps 1-c	P	G	T	IB
Trelay	23RR31	2.3	RR	2,3	PI 88788	Rps 1-c	P	TW	BR	B
Trelay	25RR58	2.5	RR	2	PI 88788	Rps 1-c/1k	P	G	BR	IB
Viking	O.1706 N	1.7	CN	7	PI 88788		W	LTW	BR	B
Viking	2020 N	2.0	CN	7	PI 88788	Rps 1-c	P	LTW	TN	B
Viking	O.2022	2.0	CN	7						
Viking	O.2078 N	2.0	CN	7	PI 88788		P	LTW	BR	B
Viking	O.2265	2.2	CN	7	Susc.		W	T	BR	BL
Viking	2375 N	2.5	CN	7						

All characteristic information is provided by the originator.

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

3/ Source of SCN Resistance; Susc.=Susceptible, Other = 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.