

2011

**WISCONSIN
SOYBEAN
VARIETY
TEST
RESULTS**

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

Wisconsin Crop Improvement Association



2011 WISCONSIN SOYBEAN VARIETY TEST RESULTS

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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 their management practices.

2011 Report

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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 2011. Cooler than normal temperatures coupled with variable rainfall across most of WI led to a projected statewide average soybean yield of 47 bu/a; down 3.5 bu/a from 2010.

Soybean planting and emergence lagged behind the 5 year average through mid-June.

Temperatures in June, July, and August remained cooler than normal; which delayed crop development compared to the 5 year average. In many areas of Wisconsin, the 2011 growing season was behind of the 30 year average. From April 1st through October 1st the crop had accumulated approximately 100 to 200

less GDU's than the 30 year norm. Statewide crop conditions were rated at >75% good to excellent for most of the season. However abnormally dry conditions were prevalent across much of southern Wisconsin from mid-July through September. The dry conditions did impact much of the southern soybean crop.

October was characterized by warmer and dryer than normal weather. This significantly expedited harvest. As of October 30th, 92% of the WI soybean crop had been harvest whereas typically 74% of the crop would be removed. 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.

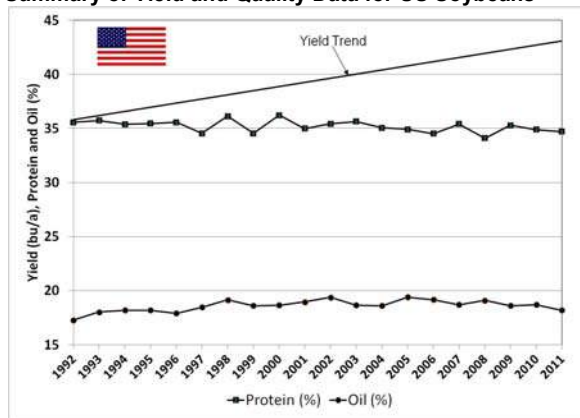
Maturity: An entry was considered mature when at least 90 percent of the pods had turned their mature color. Seven to ten days of drying weather are generally required before soybeans are ready to combine. Variety performance is presented by originator/brand, and then from earliest to latest based on 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 2011, soybeans grown across the US averaged 34.7% protein and 18.2% oil. (www.ussoyexports.org)

Wisconsin soybean seed composition was higher for protein (35.3%) and lower for oil (17.4%) 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. Statewide, white mold was a minor issue in 2011. 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 2011 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. In 2011, the incidence of BSR was higher than in previous years. 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 lower in 2011 compared to 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 higher in 2011 compared to previous years. 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 low in WI in 2011. 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 2012. 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.

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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 2011 SOYBEAN TESTS

Location	Cooperators	Row Spacing	Soil Type	Soil Tests ¹			Pesticide Program ²	Planting Date	Harvest Date	Average Yield		
										2011	2010	10-11
Arlington RR Variety Trial (VT)	John Gaska Matt Repking	15"	Silt loam	pH: 6.6 P: 63	OM: 3.5 K: 100	PPI: Dul, Pur Post: Rnd		5-May	20-Oct	67	74	71
Arlington Conventional VT	John Gaska Matt Repking	15"	Silt loam	pH: 6.6 P: 63	OM: 3.5 K: 100	PPI: Dul, Pur Post: Bas, Har		5-May	19-Oct	69	72	71
Arlington White Mold Trial	John Gaska Matt Repking	7.5"	Silt loam Irrigated	pH: 7.2 P: 51	OM: 2.9 K: 226	PPI: Dul, AuthF Post: Rnd		19-May	19-Oct	68	77	73
Chippewa Falls Variety Trial	Jerry Clark	15"	Silt loam	pH: 5.5 P: 23	OM: 3.3 K: 130	Pre: None Post: Rnd, Pur		18-May	19-Oct	56	70	63
Fond du Lac Variety Trial	Ed Montsma Mike Rankin	15"	Silt loam	pH: 6.7 P: 24	OM: 3.3 K: 94	Pre: None Post: Rnd (2) Pur		17-May	24-Oct	65	70	68
Galesville Variety Trial	Ken Congdon Bill Halfman	15"	Silt loam	pH: 5.4 P: 20	OM: 4.1 K: 205	Pre: None Post: Rnd, Pur, Asr		17-May	18-Oct	57	70	64
East Troy SCN Variety Trial	Matt Scurek	15"	Sandy Loam	pH: 7.4 P: 3	OM: 7.6 K: 105	Pre: Prefix Post: Rnd		10-May	10-Oct	64	69	67
Hancock Variety Trial	Glen Carlson	15"	Sand Irrigated	pH: 5.4 P: 115	OM: 0.9 K: 87	Pre: None Post: Rnd (2)		11-May	6-Oct	79	68	74
Hancock SCN Variety Trial	Glen Carlson	15"	Sand Irrigated	pH: 5.4 P: 115	OM: 0.9 K: 87	Pre: None Post: Rnd (2)		6-May	5-Oct	76	65	71
Janesville Variety Trial	Jim Stute	15"	Silt loam	pH: 6.5 P: 41	OM: 3.5 K: 120	PPI: None Post: Rnd (2)		4-May	11-Oct	80	79	80
Lancaster RR Variety Trial	Tim Wood	15"	Silt loam	pH: 6.8 P: 32	OM: 2.3 K: 87	PPI: Pur, Prw, Snc Post: Rnd (2)		12-May	20-Oct	72	66	69
Lancaster Conventional VT	Tim Wood	15"	Silt loam	pH: 6.8 P: 32	OM: 2.3 K: 87	PPI: Pur, Prw, Snc Post: Rptr, Cobra		12-May	20-Oct	62	61	62
Marshfield RR Variety Trial	Mike Bertram	15"	Silt loam	pH: 6.4 P: 33	OM: 3.7 K: 119	PPI: None Post: Rnd, Pur		27-May	4-Nov	62	53	58
Marshfield Conventional VT	Mike Bertram	15"	Silt loam	pH: 6.4 P: 33	OM: 3.7 K: 119	PPI: None Post: Pur, Har		27-May	3-Nov	62	53	58
Seymour Variety Trial	Mike Maass Kevin Jarek	15"	Clay loam	pH: 6.7 P: 19	OM: 3.0 K: 117	Pre: None Post: Rnd, Pur		20-May	22-Oct	57	45	51
Spooner Dry Land VT	Phil Holman	7"	Silt loam	pH: 6.2 P: 26	OM: 2.0 K: 93	Pre: None Post: Rnd (2)		20-May	6-Oct	50	52	51
Spooner Irrigated VT	Phil Holman	7"	Sandy Loam	pH: 6.2 P: 108	OM: 1.4 K: 82	Pre: None Post: Rnd (2)		20-May	5-Oct	49	50	50
Sturgeon Bay Variety Trial	Dick Weidman	15"	Silt Loam	pH: 6.9 P: 177	OM: 2.1 K: 173	Pre: None Post: Rnd, Rptr		19-May	21-Oct	37	61	49

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

² Pesticide Abbreviations: AuthF= Authority First, Asr= Assure, Bas= Basagran, Dul= Dual II Magnum, Har= Harmony, Pur= Pursuit, Prw= Prowl, Rptr= Raptor, Rnd= Roundup, Snc= Sencor.

TABLE 2. SOUTHERN REGION ROUNDUP READY SOYBEAN TEST (Page 1 of 4)

Performance of Commercial Entries at Three Southern Wisconsin Locations.

ARL=ARLINGTON, JAN=JANESVILLE, LAN=LANCASTER

Originator/Brand	Entry	Maturity Group	2011 3-Test Average			2011 Yields			2011 Composition ¹			2010 3-Test Average					6 -Test
			Yield	Lodging	Maturity	ARL	JAN	LAN	Protein	Oil	Protein	Yield	Lodging	Maturity	Protein	Oil	Protein
			bu/A	1-5	date	-----	bu/A	-----	%	%	lb/A	bu/A	1-5	date	%	%	lb/A
Asgrow	AG 2031	2.0	70	1.6	13-Sep	59	82	70	35.0	19.0	1890	73	3.0	13-Sep	32.4	20.0	2370
Asgrow	AG 2330	2.3	70	2.3	23-Sep	58	84	69	35.5	18.4	1860	* 77	3.5	20-Sep	32.5	19.8	2375
Asgrow	AG 2531	2.5	73	2.1	20-Sep	63	83	72	34.9	18.6	2020						
Asgrow	AG 2731	2.7	70	1.6	24-Sep	56	83	70	35.6	17.8	1798						
Asgrow	AG 2830	2.8	* 74	2.2	2-Oct	* 68	81	74	33.4	18.7	2126	* 77	2.4	28-Sep	31.0	19.5	2358
Channel	2400R2 Brand	2.4	70	2.1	27-Sep	60	82	69	34.4	18.6	1913						
Channel	2903R2 Brand	2.9	68	2.3	5-Oct	61	74	70	34.6	17.7	1928						
Croplan	R2C 2070	2.0	72	1.8	13-Sep	64	79	74	35.3	19.1	2071						
Croplan	R2C 2120	2.1	* 76	1.8	21-Sep	* 69	82	* 76	33.8	19.2	2196						
Croplan	R2C 2280	2.2	* 74	2.0	25-Sep	* 69	79	73	34.6	18.7	2210						
Croplan	R2T 2221	2.2	* 74	2.2	23-Sep	67	81	* 75	35.0	17.9	2116						
Croplan	R2T 2440	2.4	* 76	1.8	23-Sep	66	* 86	* 75	34.0	18.9	2102	* 76	2.4	18-Sep	31.0	20.1	2577
Croplan	R2C 2830	2.8	70	2.1	30-Sep	65	76	69	34.8	17.9	2037						
Dairyland	DSR-1215/R2Y	1.2	71	1.7	8-Sep	60	* 86	68	34.5	18.3	1907						
Dairyland	DSR-1370/R2Y	1.3	67	1.8	10-Sep	62	74	66	34.0	18.6	1947						
Dairyland	DSR-1710/R2Y	1.7	71	1.3	8-Sep	67	81	65	34.9	18.5	2143						
Dairyland	DSR-1808/R2Y	1.8	* 74	1.6	15-Sep	67	84	70	34.1	18.7	2119						
Dairyland	DSR-2011/RR	2.0	* 74	1.7	22-Sep	* 68	81	72	34.5	19.0	2183	* 75	2.2	18-Sep	32.6	20.1	2369
Dairyland	DSR-2105/R2Y	2.1	* 75	1.8	20-Sep	* 69	79	* 78	34.1	19.0	2201						
Dairyland	DSR-2240/R2Y	2.2	* 77	2.2	23-Sep	* 70	83	* 77	34.8	18.1	2208						
Dairyland	DSR-2411/R2Y	2.4	* 79	1.8	20-Sep	* 76	79	* 81	34.0	19.0	2403						
Dairyland	DSR-2560/RR	2.5	72	1.9	28-Sep	66	77	72	34.4	18.7	2104						
Dairyland	DSR-2727/R2Y	2.7	68	1.8	3-Oct	63	74	67	34.3	18.2	1974						
Dairyland	DSR-2880/R2Y	2.8	70	2.0	1-Oct	59	81	70	35.5	17.9	1887						
Dyna-Gro	38B21	2.1	* 74	1.6	20-Sep	* 73	76	73	34.2	19.2	2317						

Continued

TABLE 2. SOUTHERN REGION ROUNDUP READY SOYBEAN TEST (Page 2 of 4)

Performance of Commercial Entries at Three Southern Wisconsin Locations.

ARL=ARLINGTON, JAN=JANESVILLE, LAN=LANCASTER

		Maturity Group	2011 3-Test Average			2011 Yields			2011 Composition ¹			2010 3-Test Average						6 -Test
Originator/Brand	Entry		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
Dyna-Gro	39RY25	2.5	* 77	1.8	20-Sep	* 72	83	* 76	34.1	19.0	2297	* 79	2.3	19-Sep	32.1	19.9	2558	* 77
Dyna-Gro	V25N9 RR	2.5	* 74	1.9	26-Sep	* 69	82	72	34.7	18.5	2198							
FS HiSOY	HS 18A12	1.8	73	1.8	12-Sep	* 68	79	71	34.8	18.7	2162							
FS HiSOY	HS 19A02	1.9	* 76	2.2	15-Sep	* 70	84	74	33.5	19.1	2200							
FS HiSOY	HS 21A02	2.1	* 76	1.6	18-Sep	* 72	80	* 76	34.8	19.2	2326							
FS HiSOY	HS 22A12	2.2	* 78	1.6	18-Sep	* 71	* 87	* 75	35.3	18.0	2266	* 75	2.3	20-Sep	30.9	20.4	2463	* 77
FS HiSOY	HS 24A01	2.4	* 79	1.9	23-Sep	* 72	* 86	* 78	34.1	18.9	2282							
FS HiSOY	HS 24A12	2.4	* 76	1.7	24-Sep	65	* 85	* 77	33.9	18.7	2055							
FS HiSOY	HS 25A11	2.5	68	2.2	1-Oct	67	75	63	34.2	18.4	2114							
FS HiSOY	HS 25A12	2.5	* 77	2.2	27-Sep	* 70	* 86	* 75	34.3	18.3	2184							
G2	7212	2.1	* 74	1.9	21-Sep	66	84	72	33.3	19.4	2090	* 74	2.4	18-Sep	30.6	20.9	2603	* 74
G2	7230	2.3	71	1.8	25-Sep	66	80	67	33.1	19.9	2085	73	2.3	22-Sep	32.0	20.3	2200	72
G2	7250	2.5	* 74	1.8	24-Sep	* 69	81	73	32.6	19.9	2174	* 78	1.6	18-Sep	30.2	21.2	2376	* 76
G2	7258	2.5	* 74	1.9	26-Sep	* 71	81	71	35.2	19.1	2324	71	2.3	22-Sep	32.9	20.4	2245	73
G2	7262	2.6	71	1.8	28-Sep	63	78	71	33.7	19.4	2014	71	1.6	25-Sep	32.6	19.8	2266	72
G2	7270	2.7	72	1.6	29-Sep	66	77	74	34.0	19.0	2088							
G2	7282	2.8	73	1.8	2-Oct	* 70	78	72	33.6	19.0	2197							
G2	7290	2.9	72	1.4	29-Sep	67	76	73	34.4	19.0	2146							
G2	7310	3.1	71	2.1	4-Oct	64	75	73	34.8	18.4	2032							
Hughes	201 RR	2.0	* 75	1.6	22-Sep	* 71	82	73	34.2	19.3	2284	* 74	3.0	22-Sep	34.0	19.3	2457	* 74
Hughes	454 RR	2.4	73	1.8	27-Sep	66	83	71	34.6	18.7	2116							
Hughes	555 RR	2.5	* 75	2.1	27-Sep	* 71	79	* 75	34.7	18.4	2268							
Hughes	777 RR	2.7	72	2.3	27-Sep	64	79	74	35.5	18.2	2057							
Jung	1225 RR2	2.2	* 76	1.7	20-Sep	* 68	84	* 75	34.0	19.2	2173							
Jung	1232 RR2	2.3	* 74	1.5	23-Sep	* 69	84	70	33.6	18.8	2192	* 79	1.8	16-Sep	30.8	20.7	2680	* 77

Continued

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

Performance of Commercial Entries at Three Southern Wisconsin Locations.

ARL=ARLINGTON, JAN=JANESVILLE, LAN=LANCASTER

Originator/Brand	Entry	Maturity Group	2011 3-Test Average			2011 Yields			2011 Composition ¹			2010 3-Test Average						6 -Test
			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
Jung	1248 RR2	2.4	* 79	2.2	28-Sep	* 71	* 90	* 75	34.0	18.8	2232	* 75	1.5	12-Sep	32.0	20.2	2661	* 77
Legacy	LS-2131 RR2	2.2	71	1.8	25-Sep	64	79	70	34.5	18.5	2019							
Legacy	LS-2509 RR1	2.5	* 74	2.1	27-Sep	* 73	80	70	34.5	18.8	2332	* 76	2.7	25-Sep	32.5	19.9	2282	* 75
Legacy	LS-2811 RR2	2.8	69	2.3	3-Oct	61	73	73	35.3	17.6	1948							
Mark	MRK 2410 RR2	2.4	* 79	1.7	22-Sep	* 73	* 86	* 77	34.0	18.9	2302							
Mycogen	5N210 R2	2.1	73	1.8	20-Sep	61	84	74	34.3	19.1	1964							
NK Brand	S 20-Y2 Brand	2.0	* 74	1.8	16-Sep	* 70	80	72	34.5	19.5	2263							
NK Brand	S 21 -E4 Brand	2.1	69	1.3	23-Sep	64	75	67	34.2	18.8	2013							
NK Brand	S 21-N6 Brand	2.1	72	1.3	19-Sep	* 70	76	69	32.9	19.8	2207	71	2.4	18-Sep	31.6	20.3	2066	71
NK Brand	S 25-F2 Brand	2.5	67	1.6	27-Sep	65	71	65	33.4	19.3	2061	71	1.5	19-Sep	31.7	20.0	2148	69
NK Brand	S 25-R3 Brand	2.5	73	1.8	28-Sep	60	83	* 76	33.8	19.2	1887							
NK Brand	S 25-T8 Brand	2.5	* 76	1.9	26-Sep	* 71	82	* 75	33.4	19.2	2253	71	2.8	23-Sep	32.0	19.9	2172	* 74
NK Brand	S 27-C4 Brand	2.7	68	2.1	27-Sep	59	76	68	35.0	18.6	1903	72	2.3	27-Sep	32.1	19.9	2467	70
NuTech	6228	2.2	* 74	1.8	22-Sep	* 74	78	70	34.3	19.2	2383	* 79	2.3	19-Sep	32.4	20.1	2439	* 77
NuTech	2324+	2.3	* 77	1.8	27-Sep	* 70	83	* 78	34.3	19.4	2253							
NuTech	6244	2.4	72	1.8	26-Sep	65	78	74	34.0	18.7	2051							
NuTech	7251	2.5	* 75	1.9	24-Sep	* 70	* 86	69	35.1	18.4	2236	* 76	2.0	23-Sep	32.4	19.5	2401	* 76
NuTech	6265	2.6	71	2.2	26-Sep	63	77	73	33.9	19.4	2016							
NuTech	6281	2.8	70	1.9	3-Oct	60	75	* 75	34.8	18.4	1933	* 75	2.3	30-Sep	32.8	19.6	2151	73
NuTech	7309	2.8	70	2.2	1-Oct	57	74	* 78	35.0	18.1	1825							
O'Brien	OSOY 22R2	2.2	71	1.9	26-Sep	63	79	71	34.5	18.4	1991							
O'Brien	OSOY 250RR	2.5	73	1.9	27-Sep	* 68	78	74	34.7	18.8	2175	73	2.9	25-Sep	32.9	19.6	2172	73
Pioneer	92Y12	2.1	72	1.7	22-Sep	* 73	76	67	34.6	18.8	2338							
Pioneer	92Y30	2.3	69	1.7	24-Sep	67	74	66	32.8	20.1	2117	71	1.9	18-Sep	31.1	20.8	2338	70
Pioneer	92M54	2.5	* 74	1.8	28-Sep	* 74	75	73	34.4	19.2	2558							

Continued

TABLE 2. SOUTHERN REGION ROUNDUP READY SOYBEAN TEST (Page 4 of 4)

Performance of Commercial Entries at Three Southern Wisconsin Locations.

ARL=ARLINGTON, JAN=JANESVILLE, LAN=LANCASTER

		Maturity Group	2011 3-Test Average			2011 Yields			2011 Composition ¹			2010 3-Test Average						6 -Test
Originator/Brand	Entry		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	92Y51	2.5	* 76	1.7	25-Sep	66	* 88	74	34.3	19.2	2128	73	2.3	23-Sep	32.7	20.0	2376	* 74
Pioneer	92Y53	2.5	71	1.8	27-Sep	65	75	72	32.4	20.0	2044							
Pioneer	92Y75	2.7	* 75	1.9	1-Oct	66	83	* 76	33.9	18.9	2076							
Pioneer	93M11	3.1	68	1.6	1-Oct	63	74	67	34.4	19.2	2043	* 76	1.7	27-Sep	31.0	20.7	2355	72
Power Plus	23Z1	2.3	73	1.8	24-Sep	* 73	79	67	33.3	19.7	2332	70	2.3	23-Sep	32.2	20.0	2186	72
Power Plus	26W2	2.6	72	1.5	27-Sep	67	76	73	33.7	19.5	2135							
Renk	RS 202 NR2	2.0	* 75	1.6	20-Sep	* 74	81	70	34.1	18.4	2312							
Renk	RS 222 R2	2.2	* 74	2.1	23-Sep	62	84	* 77	34.8	17.9	1962							
Renk	RS 241 R2	2.4	* 76	1.8	23-Sep	* 70	* 85	74	34.2	18.8	2234	* 79	2.1	22-Sep	30.9	20.1	2516	* 78
Renk	RS 259 NRR	2.5	* 74	2.0	25-Sep	* 68	77	* 77	35.1	18.5	2170	* 75	2.2	22-Sep	32.7	19.6	2449	* 75
Renk	RS 282 R2	2.8	69	1.7	30-Sep	60	77	69	33.9	18.3	1896							
Steyer	2710 RR2	2.7	68	1.6	1-Oct	54	75	74	34.1	18.2	1705	* 76	2.2	29-Sep	31.0	19.3	2128	72
Trelay	21RR37	2.1	* 75	1.6	21-Sep	67	81	* 77	34.5	19.0	2142	* 80	1.5	19-Sep	30.7	21.1	2653	* 78
Trelay	25RR26	2.5	* 74	2.2	24-Sep	* 68	82	73	34.7	18.1	2131							
Trelay	27RR03	2.7	71	2.1	28-Sep	64	79	71	33.1	18.6	1976							
Trelay	28RR64	2.8	70	2.1	1-Oct	61	78	70	35.8	17.6	1949							
Mean			73	1.8	24-Sep	67	80	72	34.3	18.8	2117	73	2.4	21-Sep	32.1	19.9	2299	74
LSD(0.10)			5	0.4	3	8	5	6	0.6	0.3	249	6	0.8	5	0.9	0.4	244	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 Arlington site in 2010 and 2011.

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	2011 3-Test Average			2011 Yields			2011 Composition ¹			2010 3-Test Average						6-Test
			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	* 73	2.2	16-Sep	67	* 61	* 91	32.9	19.1	1914	67	2.4	15-Sep	34.4	19.4	2004	* 70
Asgrow	AG 1832	1.8	67	2.3	24-Sep	67	53	82	34.1	18.6	1692							
Asgrow	AG 1931	1.9	69	2.3	18-Sep	66	* 61	81	35.0	18.2	1959	69	2.2	12-Sep	35.1	19.3	2491	69
Asgrow	AG 2031	2.0	67	1.8	23-Sep	66	55	81	33.9	19.0	1731	* 73	1.9	17-Sep	34.8	19.4	2464	* 70
Asgrow	AG 2330	2.3	65	2.0	28-Sep	61	52	81	34.1	18.3	1639	* 75	2.5	20-Sep	35.0	19.0	2437	* 70
Channel	2105R2 Brand	2.1	68	1.9	28-Sep	66	60	78	34.8	18.4	1921							
Channel	2305R2 Brand	2.3	69	2.0	25-Sep	65	* 64	79	33.1	18.6	1996							
Croplan	R2C 1770	1.7	* 74	1.8	22-Sep	* 70	* 68	83	33.5	19.1	2160							
Croplan	R2C 1869	1.8	68	2.0	21-Sep	66	59	79	33.0	18.9	1850							
Croplan	R2T 1960	1.9	68	2.2	25-Sep	* 68	* 61	75	35.3	18.0	1953							
Croplan	R2C 2070	2.0	* 71	1.8	24-Sep	* 72	* 61	79	33.8	19.2	1945	70	1.8	17-Sep	34.8	19.8	2281	* 71
Croplan	R2C 2120	2.1	* 71	1.9	25-Sep	65	* 66	83	33.1	18.8	2054							
Dairyland	DSR-0747/R2Y	0.7	65	2.2	12-Sep	62	50	82	32.8	19.1	1556							
Dairyland	DSR-1215/R2Y	1.2	69	1.8	18-Sep	67	58	81	33.1	18.5	1791							
Dairyland	DSR-1808/R2Y	1.8	* 71	1.8	20-Sep	* 69	59	* 86	33.0	18.8	1834							
Dairyland	DSR-2011/RR	2.0	69	1.8	24-Sep	* 68	59	79	33.7	18.7	1871	71	1.8	17-Sep	34.4	19.6	2382	* 70
Dairyland	DSR-2105/R2Y	2.1	69	1.9	23-Sep	66	* 62	79	33.0	18.8	1919							
Dyna-Gro	34RY17	1.7	* 71	1.6	22-Sep	67	* 61	* 85	33.7	19.1	1921							
Dyna-Gro	38B21	2.1	69	1.9	24-Sep	66	* 61	80	33.6	19.1	1913							
Excel Brand	1300 R2Y	1.3	67	2.2	18-Sep	65	53	83	33.4	18.4	1652							
FS HiSOY	HS 18A12	1.8	67	1.7	18-Sep	* 68	55	77	33.9	18.5	1719							
FS HiSOY	HS 19A02	1.9	69	1.9	18-Sep	* 68	59	79	32.6	19.0	1832							
FS HiSOY	HS 21A02	2.1	* 72	1.8	22-Sep	* 68	* 61	* 86	34.1	19.2	1959	70	1.8	18-Sep	34.8	19.7	2527	* 71
FS HiSOY	HS 22A12	2.2	* 70	1.8	27-Sep	67	* 62	81	34.2	18.0	1937							
G2	6162	1.6	64	2.3	17-Sep	61	56	76	32.2	19.7	1732							

Continued

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	2011 3-Test Average			2011 Yields			2011 Composition ¹			2010 3-Test Average						6-Test
			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
G2	7170	1.7	63	1.7	18-Sep	61	54	73	33.0	19.6	1701							
G2	7186	1.8	63	2.1	19-Sep	59	53	76	32.7	19.9	1674							
G2	7208	2.0	65	2.0	24-Sep	62	54	78	35.2	18.4	1816	69	2.1	18-Sep	35.0	19.6	2191	67
G2	7226	2.2	61	1.9	25-Sep	60	52	72	32.6	19.3	1631							
G2	7249	2.4	64	2.3	27-Sep	62	53	77	33.5	18.5	1667	69	1.9	19-Sep	34.2	19.7	2232	66
G2	7250	2.5	65	2.0	27-Sep	62	56	78	31.6	19.4	1703							
Jung	1188 RR2	1.8	67	1.8	22-Sep	63	56	81	32.5	19.6	1754							
Jung	1201 RR2	2.0	68	1.8	21-Sep	* 69	55	81	34.1	19.3	1766	68	1.8	17-Sep	34.8	19.8	2388	68
Jung	1225 RR2	2.2	67	1.8	24-Sep	64	55	81	32.9	19.1	1702	72	1.8	21-Sep	33.9	20.0	2427	69
Legacy	LS-1710 RR2	1.7	* 71	1.8	20-Sep	* 70	60	84	33.4	19.3	1893	* 74	2.1	16-Sep	34.7	19.4	2434	* 73
Legacy	LS-2021 RR	2.0	69	1.8	28-Sep	* 70	57	79	33.3	19.2	1782							
Legacy	LS-2131 RR2	2.2	64	2.1	28-Sep	62	55	76	33.7	18.1	1710							
LG	C 1917 R2	1.9	67	1.7	25-Sep	66	56	79	33.9	19.2	1791							
LG	C 2175 R2	2.1	68	1.8	25-Sep	66	55	82	32.6	19.1	1703							
Mark	MRK 2410 RR2	2.4	* 73	2.1	29-Sep	* 71	* 66	82	34.1	18.1	2080							
Mycogen	5N180 R2	1.8	67	1.6	17-Sep	67	55	78	33.3	18.4	1714							
Mycogen	5N205 R2	2.0	69	2.0	23-Sep	67	58	81	33.8	19.1	1828							
NK Brand	S 19-A6 Brand	1.9	67	2.2	28-Sep	66	* 62	73	32.0	18.6	1887	* 73	1.7	20-Sep	34.0	19.3	2549	* 70
NK Brand	S 20-Y2 Brand	2.0	68	1.8	23-Sep	65	* 61	78	33.8	19.3	1945							
NK Brand	S 21-N6 Brand	2.1	66	2.0	22-Sep	66	54	77	31.8	19.4	1657	68	1.8	18-Sep	33.7	20.3	2130	67
NK Brand	S 25-R3 Brand	2.5	62	2.0	1-Oct	60	51	75	33.9	18.0	1586							
NuTech	6145	1.4	63	1.8	16-Sep	63	48	78	31.7	19.8	1490							
NuTech	6185	1.8	64	1.8	23-Sep	63	50	78	31.8	19.4	1497							
NuTech	6228	2.2	66	1.7	23-Sep	67	52	78	33.5	19.1	1648	* 73	1.9	18-Sep	34.4	19.7	2536	69
NuTech	2324+	2.3	63	1.8	26-Sep	65	53	72	33.8	19.1	1697							

Continued

TABLE 3. CENTRAL REGION ROUNDUP READY SOYBEAN TES (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	2011 3-Test Average			2011 Yields			2011 Composition ¹			2010 3-Test Average						6-Test
			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
NuTech	6244	2.4	61	1.9	2-Oct	61	52	70	33.0	18.2	1609	* 74	1.8	21-Sep	33.8	19.1	2373	68
NuTech	6245	2.4	60	2.3	29-Sep	58	52	71	33.5	18.5	1639							
O'Brien	OSOY 184RR	1.7	67	1.8	26-Sep	65	57	78	33.6	19.0	1808							
Pioneer	91Y92	1.9	60	2.2	21-Sep	60	51	70	33.0	19.4	1617							
Pioneer	92Y12	2.1	65	1.8	25-Sep	64	55	77	33.8	18.4	1722							
Pioneer	92Y31	2.3	66	1.8	24-Sep	65	56	77	35.2	17.9	1789							
Pioneer	92Y51	2.5	64	1.7	1-Oct	66	53	74	33.3	18.6	1639							
Renk	RS 172 NR2	1.7	69	1.7	22-Sep	67	* 61	80	33.1	19.3	1903							
Renk	RS 181 NR2	1.8	66	1.8	20-Sep	66	54	79	32.3	19.5	1688							
Renk	RS 202 NR2	2.0	* 71	1.8	18-Sep	* 72	56	* 86	33.5	18.2	1739							
Renk	RS 210 NR2	2.0	69	1.8	25-Sep	67	57	84	33.0	19.0	1794	69	2.0	19-Sep	33.6	20.0	2327	69
Renk	RS 222 R2	2.2	64	1.9	29-Sep	63	55	74	34.2	17.7	1729							
Renk	RS 241 R2	2.4	* 72	2.3	30-Sep	* 70	* 63	82	34.0	18.2	1982	* 78	2.1	24-Sep	34.2	19.2	2567	* 75
Steyer	1611 RR2	1.6	68	1.4	22-Sep	* 68	56	81	33.4	19.4	1772							
Steyer	2111 RR2	2.1	66	1.8	29-Sep	62	* 61	75	34.9	17.5	1918							
Trelay	18RR21	1.8	66	1.6	21-Sep	63	* 61	75	32.5	19.6	1898	68	2.1	17-Sep	33.6	20.2	2308	67
Trelay	20RR43	2.0	* 71	1.8	22-Sep	* 68	59	* 85	33.3	18.3	1822							
Trelay	21RR37	2.1	69	1.8	23-Sep	* 69	54	83	32.6	19.1	1675	* 73	1.8	19-Sep	33.7	20.1	2390	* 71
Trelay	24RR19	2.4	69	2.0	29-Sep	* 68	59	81	34.0	18.1	1853							
MEAN			67	1.9	23-Sep	65	57	79	33.4	18.8	1786	69	2.0	18-Sep	34.3	19.6	2249	70
LSD(0.10)			4	0.6	4	4	7	6	0.7	0.3	235	5	0.5	4	0.4	0.2	202	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 Galesville site in 2010 and 2011.

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

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

Performance of Commercial Entries at Three North Central Wisconsin Locations.

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

Originator/Brand	Entry	Maturity Group	2011 3-Test Average			2011 Yields			2011 Composition ¹			2010 3-Test Average						6-Test
			Yield	Lodging	Maturity	CHP	MAR	SEY	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 0832	0.8	* 60	1.8	8-Sep	* 61	65	54	35.3	17.9	2070							
Asgrow	AG 1031	1.0	* 59	1.8	23-Sep	58	65	54	36.7	16.6	2061							
Asgrow	AG 1132	1.1	* 59	1.5	25-Sep	57	62	58	35.0	17.3	1960							
Asgrow	AG 1230	1.2	* 62	1.6	28-Sep	56	* 67	* 63	35.1	17.6	2115	54	1.3	15-Sep	35.1	18.0	1897	* 58
Asgrow	AG 1431	1.4	* 63	2.2	30-Sep	* 61	66	* 62	35.2	18.0	2115	* 59	1.8	18-Sep	34.4	18.7	1783	* 61
Bio Gene	BG 7140 RR2Y	1.4	* 60	1.8	27-Sep	56	* 70	54	34.6	17.4	2174	54	1.8	24-Sep	33.7	18.0	1824	* 57
Channel	1105R2 Brand	1.1	54	2.1	27-Sep	56	59	47	35.7	16.7	1864							
Channel	1405R2 Brand	1.4	* 62	2.1	1-Oct	58	* 68	* 61	35.3	17.8	2178							
Channel	1805R2 Brand	1.8	* 64	2.2	3-Oct	59	* 69	* 64	35.0	17.8	2172							
Croplan	R2C 1770	1.7	* 61	1.8	1-Oct	58	60	* 64	35.7	17.4	1904							
Croplan	R2C 1869	1.8	58	1.8	2-Oct	56	60	59	34.1	17.5	1841							
Croplan	R2T 1960	1.9	56	2.0	6-Oct	50	64	53	36.0	17.0	2049							
Croplan	R2C 2070	2.0	* 62	2.0	4-Oct	55	* 67	* 65	34.9	17.9	2116	* 62	1.8	25-Sep	34.8	18.5	1868	* 62
Croplan	R2C 2120	2.1	58	1.8	6-Oct	53	62	58	33.9	17.8	1927							
Dairyland	DSR-0603/R2Y	0.6	56	2.8	16-Sep	55	56	57	36.1	17.1	1744							
Dairyland	DST10-003/R2Y	1.0	56	1.8	20-Sep	55	62	52	36.4	16.7	1964							
Dairyland	DSR-1808/R2Y	1.8	57	1.9	27-Sep	59	59	52	33.9	17.5	1809							
Dyna-Gro	38RY13	1.3	* 60	1.9	27-Sep	54	* 68	58	34.5	17.2	2120							
Dyna-Gro	34RY17	1.7	55	1.5	2-Oct	51	59	56	35.5	17.5	1874	* 59	1.7	25-Sep	34.7	18.0	1861	* 57
Excel Brand	1300 R2Y	1.3	57	1.7	26-Sep	52	* 68	51	34.6	17.0	2112							
FS HiSOY	HS 18A12	1.8	58	1.7	30-Sep	55	57	* 61	35.9	17.0	1798							
G2	6088	0.8	58	1.2	14-Sep	60	* 67	47	35.1	17.7	2122	55	1.3	15-Sep	34.7	18.4	1545	* 57
G2	6092	0.9	* 59	2.3	16-Sep	58	64	56	34.9	18.0	2019							
G2	6142	1.4	54	1.7	21-Sep	54	57	52	35.2	18.0	1804							
G2	6155	1.5	54	1.4	23-Sep	56	58	47	34.9	18.1	1850							

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TABLE 4. NORTH-CENTRAL REGION ROUNDUP READY SOYBEAN TEST (Page 2 of 3)
Performance of Commercial Entries at Three North Central Wisconsin Locations.
CHP=CHIPPEWA FALLS, MAR=MARSHFIELD, SEY=SEYMOUR

Originator/Brand	Entry	Maturity Group	2011 3-Test Average			2011 Yields			2011 Composition ¹			2010 3-Test Average						6-Test
			Yield	Lodging	Maturity	CHP	MAR	SEY	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	6162	1.6	56	1.9	27-Sep	55	56	57	34.3	18.0	1751							
G2	7164	1.6	56	2.3	30-Sep	53	58	57	35.0	17.1	1819	51	1.8	21-Sep	34.0	18.0	1567	54
G2	7208	2.0	55	1.8	4-Oct	50	58	57	34.6	17.7	1823	56	1.7	27-Sep	34.7	18.2	1602	56
Hefty	H 09Y11	0.9	* 59	1.6	17-Sep	60	66	51	34.3	17.6	2065							
Hefty	H 13Y12	1.0	* 59	2.3	26-Sep	56	61	* 61	36.3	17.2	1945							
Hefty	H 11Y12	1.1	* 61	2.3	24-Sep	58	60	* 66	36.3	16.5	1918							
Hefty	H 16Y12	1.6	56	1.5	28-Sep	52	62	55	35.7	17.5	1983							
Hefty	H 18Y12	1.8	55	1.6	1-Oct	52	59	55	35.1	17.4	1853							
Jung	1100 RR2	1.0	* 62	1.5	19-Sep	* 65	66	56	34.8	17.9	2100							
Jung	1141 RR2	1.4	* 63	2.0	25-Sep	58	66	* 65	34.3	17.5	2060	* 57	1.3	20-Sep	33.9	18.1	1744	* 60
Jung	1163 RR2	1.6	* 61	1.5	28-Sep	59	* 67	57	35.1	17.7	2113							
Legacy	LS-0710 RR2	0.7	* 61	2.0	13-Sep	* 64	65	53	35.0	17.4	2052							
Legacy	LS-0911 RR2	1.0	* 61	2.3	16-Sep	* 61	64	59	35.1	17.4	2004							
Legacy	LS-1321 RR2	1.3	* 60	2.1	26-Sep	55	* 68	58	34.6	17.0	2111							
Legacy	LS-1531 RR2	1.5	* 59	1.6	23-Sep	58	63	55	34.0	17.5	1953							
Legacy	LS-1710 RR2	1.7	58	1.7	1-Oct	55	60	59	35.7	17.3	1912	* 63	1.5	25-Sep	34.4	17.9	1784	* 60
LG	C 0915 R2	0.9	* 59	2.0	25-Sep	58	63	57	34.8	17.6	1979							
LG	C 1211 R2	1.2	58	2.0	26-Sep	56	62	55	35.9	17.4	1988							
LG	C 1780 R2	1.7	* 59	1.8	29-Sep	55	60	* 63	35.5	17.2	1902							
Mycogen	5B130 R2	1.3	* 62	1.9	27-Sep	55	* 71	59	34.3	17.3	2186							
NK Brand	S 10-G7 Brand	1.0	54	2.1	27-Sep	52	59	52	35.1	17.7	1868							
NK Brand	S 15-L5 Brand	1.5	54	2.1	29-Sep	50	60	51	34.8	17.9	1884							
NK Brand	S 17-F3 Brand	1.7	56	2.2	4-Oct	51	59	57	34.0	17.9	1832							
NK Brand	S 17-G8 Brand	1.7	* 62	2.2	28-Sep	55	62	* 69	34.5	17.6	1948	* 58	1.6	19-Sep	33.9	18.2	1823	* 60
NuTech	6118	1.1	* 59	2.3	26-Sep	57	59	60	34.7	17.7	1855							

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

Performance of Commercial Entries at Three North Central Wisconsin Locations.

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

Originator/Brand	Entry	Maturity Group	2011 3-Test Average			2011 Yields			2011 Composition ¹			2010 3-Test Average						6-Test
			Yield	Lodging	Maturity	CHP	MAR	SEY	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
NuTech	6145	1.4	* 60	1.7	29-Sep	58	62	60	34.4	17.8	1946	* 57	1.4	20-Sep	33.1	18.7	1586	* 58
NuTech	6185	1.8	53	1.8	1-Oct	50	61	47	33.9	17.7	1904							
NuTech	6195	2.2	50	2.3	6-Oct	45	58	48	35.5	17.1	1837	* 61	1.6	28-Sep	34.3	17.6	1759	56
Pioneer	91Y41	1.4	* 59	2.3	22-Sep	57	60	59	34.0	17.9	1873							
Pioneer	91Y61	1.6	57	1.8	29-Sep	56	59	56	35.4	17.5	1880							
Pioneer	91Y90	1.9	57	1.6	30-Sep	54	62	55	35.6	17.3	1955	* 61	1.3	25-Sep	34.9	18.0	1628	* 59
Pioneer	91Y92	1.9	58	2.2	2-Oct	54	62	58	33.6	18.3	1939							
Renk	RS 082 R2	0.8	* 60	1.6	19-Sep	* 63	* 67	51	35.1	17.4	2118							
Renk	RS 122 R2	1.2	* 61	2.2	26-Sep	52	66	* 64	36.0	17.4	2111							
Renk	RS 140 NR2	1.4	* 59	2.1	24-Sep	54	63	60	35.2	17.1	1961	56	1.3	20-Sep	33.8	17.9	1639	* 57
Renk	RS 172 NR2	1.7	* 60	1.7	28-Sep	55	63	* 62	35.6	17.5	2016							
Renk	RS 181 NR2	1.8	58	1.9	2-Oct	54	63	56	34.8	17.8	1989	* 64	1.8	27-Sep	33.2	18.5	1843	* 61
Steyer	1611 RR2	1.6	56	1.3	30-Sep	54	55	58	35.4	17.5	1735							
Trelay	15RR51	1.5	* 61	1.4	25-Sep	59	62	* 63	35.9	17.3	1988							
Trelay	16RR78	1.6	* 62	2.6	28-Sep	57	64	* 66	35.8	16.9	2010	* 57	2.1	23-Sep	35.6	17.2	1742	* 60
Trelay	18RR21	1.8	58	1.9	3-Oct	54	64	56	34.7	18.0	2029	* 60	1.6	27-Sep	33.4	18.6	1787	* 59
MEAN			58	1.9	26-Sep	56	62	57	35.1	17.5	1969	56	1.7	20-Sep	34.2	18.3	1650	58
LSD(0.10)			5	0.5	5	4	4	8	0.4	0.2	142	7	0.5	4	0.3	0.2	179	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 Marshfield site in 2010 and 2011.

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	2011 3-Test Average			2011 Yields			2011 Composition ¹			2010-Test Average						6-Test
			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	42	1.0	14-Sep	42	46	* 37	34.4	18.5	1161	* 56	1.4	10-Sep	34.8	18.0	2110	* 49
Asgrow	AG 0832	0.8	* 50	1.0	24-Sep	* 57	* 55	* 37	34.2	19.5	1205							
Asgrow	AG 1031	1.0	46	1.0	26-Sep	* 56	45	* 38	34.7	18.5	1211							
Channel	0905R2 Brand	0.9	45	1.0	19-Sep	49	* 51	36	32.9	19.5	1120							
Croplan	R2T 0990	0.9	46	1.4	16-Sep	51	* 50	* 37	34.5	18.3	1170							
Croplan	R2C 1140	1.1	47	1.5	26-Sep	52	* 53	* 37	34.7	18.5	1192							
Croplan	R2T 1470	1.4	* 53	1.3	28-Sep	* 61	* 56	* 42	34.0	18.7	1325							
Dairyland	DSR-0200/R2Y	0.2	36	1.0	10-Sep	36	37	34	34.6	18.9	1102							
Dairyland	DSR-0603/R2Y	0.6	44	1.7	17-Sep	51	45	36	35.2	18.2	1152							
Legacy	LS-0710 RR2	0.7	44	1.3	18-Sep	47	49	* 37	34.5	18.2	1182							
NK Brand	S 09-N6 Brand	0.9	45	1.0	17-Sep	45	* 50	* 41	34.0	19.0	1296	52	1.3	12-Sep	34.2	18.8	1817	* 49
NK Brand	S 10-G7 Brand	1.0	47	1.5	29-Sep	* 55	* 52	35	34.3	19.1	1122							
Pioneer	90Y90	0.9	42	1.0	17-Sep	44	44	* 37	34.8	18.9	1221							
Pioneer	91M01	1.0	43	1.0	14-Sep	46	48	36	34.2	19.8	1158	49	2.0	10-Sep	34.0	20.4	1895	* 46
Renk	RS 082 R2	0.8	47	1.0	19-Sep	* 56	* 51	34	34.1	19.0	1096							
MEAN			45	1.2	19-Sep	50	49	37	34.3	18.8	1181	54	1.7	13-Sep	34.3	18.7	1925	48
LSD(0.10)			5	0.5	4	7	6	5	0.6	0.4	163	4	0.4	2	0.5	0.3	178	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 and 2011.

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

Originator/Brand	Entry	Maturity Group	Herb. ¹ Toler.	2011 2-Test Average						2011 Yields		2010 2-Test Average						2 - Year
				Yield	Lodging	Maturity	Protein	Oil	Protein	ARL	LAN	Yield	Lodging	Maturity	Protein	Oil	Protein	Ave.
				bu/A	1-5	date	%	%	lb/A	bu/A	bu/A	bu/A	1-5	date	%	%	lb/A	bu/A
Asgrow	AG 2330	2.3	RR2	* 69	1.6	27-Sep	35.2	18.5	2218	* 73	65							
Blue River	19AR1	1.9	CN	58	1.5	28-Sep	34.7	18.7	1862	62	54							
Blue River	2A12	2.1	CN	63	1.3	22-Sep	35.9	17.8	2030	* 69	57							
Blue River	25AR1	2.5	CN	59	2.4	5-Oct	35.0	18.0	1887	58	60							
Blue River	2A71	2.7	CN	64	1.6	4-Oct	35.7	17.5	2037	63	64	64	2.9	2-Oct	35.0	18.2	2038	64
Croplan	R2T 2440	2.4	RR2	* 70	1.5	28-Sep	34.2	18.5	2195	* 76	63							
Dairyland	DSR-2011/RR	2.0	RR1	* 68	1.4	27-Sep	34.6	18.9	2162	* 71	64							
Dairyland	DSR-2400	2.4	CN	62	1.5	30-Sep	36.0	18.1	2009	66	58	65	3.9	27-Sep	35.0	18.7	2068	63
Dairyland	DSR-2727/R2Y	2.7	RR1	63	2.3	6-Oct	34.6	17.8	1957	66	59							
Excel Brand	7156 STS	1.5	STS	64	1.8	16-Sep	34.5	18.1	2010	* 72	56							
G2	7250	2.5	RR1	* 75	1.4	27-Sep	32.7	19.5	2350	* 76	* 74							
Jung	1248 RR2	2.4	RR2	* 74	1.8	1-Oct	34.3	18.5	2324	* 75	* 72	* 72	1.9	18-Sep	33.6	19.6	2291	* 73
NK Brand	S 21-N6 Brand	2.1	RR1	62	1.3	21-Sep	33.1	19.7	1954	* 70	53	* 69	3.6	20-Sep	33.5	19.7	2184	65
NK Brand / Delong	S 23-T5	2.3	CN	* 72	1.8	23-Sep	34.5	17.9	2244	* 74	* 69	* 70	3.3	20-Sep	33.9	18.6	2183	* 71
NuTech	3248L	2.2	LL	* 71	2.0	2-Oct	33.7	18.9	2240	* 73	* 69	* 74	3.7	30-Sep	33.1	19.6	2337	* 73
NuTech	3255L	2.4	LL	64	1.4	30-Sep	35.2	18.0	2040	68	60	* 71	2.9	30-Sep	34.3	18.5	2233	* 68
NuTech	7251	2.5	RR1	* 73	1.6	28-Sep	35.0	18.3	2328	* 73	* 73							
NuTech	3280L	2.5	LL	63	1.8	4-Oct	35.9	17.7	2017	63	62	65	2.7	2-Oct	34.6	18.5	2051	64
O'Brien	OSOY 210LL	2.1	LL	* 71	2.3	30-Sep	34.7	18.3	2246	* 70	* 72							
Pioneer	92Y53	2.5	RR1	* 72	2.0	27-Sep	32.8	19.3	2229	* 71	* 72							

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

Originator/Brand	Entry	Maturity Group	Herb. ¹ Toler.	2011 2-Test Average						2011 Yields		2010 2-Test Average						2 - Year
				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	51	2.0	5-Sep	34.6	19.0	1622	62	39	53	4.8	11-Sep	33.8	20.1	1692	52
Public	MN 1410	1.4	CN	60	1.9	15-Sep	35.2	18.8	1949	* 70	50	* 68	4.2	16-Sep	35.0	19.4	2219	64
Public	IA 1006	1.6	CN	57	2.3	16-Sep	34.6	18.5	1817	61	53	56	4.7	15-Sep	33.9	19.2	1776	57
Public	IA 1022	1.7	CN	* 73	2.1	24-Sep	32.5	20.0	2287	* 75	* 70	* 69	4.2	19-Sep	32.3	20.5	2189	* 71
Public	MN 1701 CN	1.7	CN	61	1.6	17-Sep	34.3	18.8	1920	65	56	64	4.5	18-Sep	34.9	18.9	2045	62
Public	Davison	2.2	CN	64	1.9	20-Sep	34.7	17.8	2039	67	60	67	3.2	23-Sep	33.8	18.3	2080	65
Trelay	21RR37	2.1	RR2	* 76	1.3	22-Sep	33.2	19.4	2375	* 77	* 74							
Viking	O.2078	2.0	CN	64	1.5	24-Sep	35.2	18.4	2055	* 72	56	67	2.8	20-Sep	34.3	19.1	2124	65
Viking	O.2265	2.2	CN	66	1.9	26-Sep	34.5	18.5	2097	* 69	63	65	3.1	22-Sep	33.5	19.1	2051	66
Viking	2375 N	2.3	CN	65	1.6	26-Sep	34.7	19.2	2090	* 71	59	67	1.7	21-Sep	33.7	19.9	2149	66
Mean				66	1.7	25-Sep	34.5	18.5	2086	69	62	67	3.4	23-Sep	34.1	19.1	2129	65
LSD(0.10)				8	0.7	3	0.5	0.3	252	8	6	7	0.9	3	0.9	0.4	212	6

* 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, RR1/RR2 = Tolerance to glyphosate herbicide,

STS = Tolerance to Sulfonylurea herbicides.

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.

Originator/Brand	Entry	Maturity Group	Herb. ¹ Toler.	2011						2010						2 - Year
				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	RR2	68	2.5	1-Oct	35.7	17.3	2167	* 60	1.0	19-Sep	34.7	17.8	1878	* 64
Asgrow	AG 1431	1.4	RR2	* 73	2.8	2-Oct	35.3	18.2	2336	58	1.0	21-Sep	34.5	18.6	1836	* 66
Blue River	06F8	0.6	CN	57	4.5	28-Sep	35.3	18.2	1857	52	2.0	12-Sep	33.1	19.7	1647	55
Blue River	008f1	0.8	CN	52	4.5	21-Sep	34.7	18.2	1643							
Blue River	11A1	1.1	CN	64	3.0	1-Oct	35.2	17.7	2024	55	1.8	18-Sep	34.2	18.6	1729	60
Blue River	1F44	1.4	CN	56	3.3	2-Oct	39.1	16.7	1872	46	1.5	20-Sep	37.3	17.5	1524	51
Blue River	16C1	1.6	CN	64	2.5	2-Oct	36.1	17.2	2041							
Channel	1405R2 Brand	1.4	RR2	* 74	3.0	4-Oct	35.6	17.8	2388							
Dairyland	DSR-1370/R2Y	1.3	RR2	63	2.3	3-Oct	34.5	17.4	1962	* 64	1.3	23-Sep	33.3	18.1	1973	* 64
Delong	D 2008	2.0	CN	59	4.0	6-Oct	34.7	18.1	1881	55	1.8	26-Sep	33.3	18.9	1720	57
Excel Brand	7156 STS	1.5	STS	66	3.0	2-Oct	36.0	17.2	2090							
G2	6155	1.5	RR1	60	1.8	29-Sep	35.0	18.3	1913							
Legacy	LS-1710 RR2	1.7	RR2	68	2.3	4-Oct	35.4	17.7	2163	54	1.0	28-Sep	34.6	17.7	1691	61
NK Brand	S 15-L5 Brand	1.5	RR1	65	2.8	4-Oct	35.7	17.7	2073							
NK Brand	S 17-G8 Brand	1.7	RR2	63	2.3	2-Oct	34.9	17.4	1970	* 62	1.3	25-Sep	33.8	18.1	1932	* 63
NK Brand / Delong	S 18-R6	1.8	CN	64	2.3	3-Oct	35.7	17.6	2055	53	1.0	20-Sep	33.7	18.6	1678	59
NK Brand / Delong	S 20-G7	2.0	CN	61	3.3	6-Oct	36.9	17.3	1985	56	1.8	29-Sep	35.9	18.1	1806	59
NK Brand / Delong	S 23-T5	2.3	CN	64	2.3	7-Oct	34.9	17.0	2009							
NuTech	6145	1.4	RR1	68	2.0	4-Oct	34.6	18.0	2138							
NuTech	3199L	1.9	LL	56	2.8	7-Oct	35.1	17.5	1781	57	2.0	1-Oct	35.4	17.6	1815	57
O'Brien	OSOY 165LL	1.8	LL	56	3.0	7-Oct	36.1	17.5	1812							
Pioneer	91Y61	1.6	RR1	60	2.0	4-Oct	35.2	17.9	1903							
Public	MN 0302	0.3	CN	57	2.3	24-Sep	34.6	19.0	1845	38	1.3	6-Sep	35.6	18.5	1221	48
Public	Ashtabula	0.4	CN	60	2.8	26-Sep	33.7	19.2	1867							
Public	Sheyenne	0.6	CN	67	2.5	28-Sep	34.4	18.5	2126	44	1.8	11-Sep	34.9	18.1	1412	56

Continued

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

Performance of Public and Commercial Entries at Marshfield WI.

Originator/Brand	Entry	Maturity Group	Herb. ¹ Toler.	2011						2010						2 - Year
				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
Public	MN 1005	1.0	CN	54	4.3	28-Sep	35.2	18.5	1752	49	2.5	14-Sep	33.9	19.3	1551	52
Public	MN 1410	1.4	CN	65	3.5	3-Oct	35.5	18.3	2102	56	1.8	24-Sep	34.9	18.6	1802	61
Public	IA 1006	1.6	CN	58	3.8	6-Oct	34.6	17.7	1827	52	2.5	20-Sep	34.2	18.0	1634	55
Public	IA 1022	1.7	CN	58	3.5	7-Oct	34.2	18.4	1818	58	1.8	25-Sep	32.6	19.4	1803	58
Public	MN 1701 CN	1.7	CN	57	3.5	4-Oct	35.7	17.4	1870	52	2.0	26-Sep	33.9	18.1	1631	55
Public	Davison	2.2	CN	63	3.0	4-Oct	35.5	16.8	1992	56	1.5	25-Sep	34.4	16.9	1722	60
Viking	1521 N	1.5	CN	65	2.5	3-Oct	36.8	16.7	2136							
Viking	1718 N	1.7	CN	58	3.8	2-Oct	35.5	17.3	1934							
Viking	O.1706	1.7	CN	63	3.0	4-Oct	36.1	17.3	2027							
Mean				62	2.9	2-Oct	35.4	17.7	1981	53	1.6	21-Sep	34.6	18.2	1680	58
LSD(0.10)				4	0.6	-	0.4	0.2	142	5	0.5	-	0.4	0.3	162	4

* 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, RR1/RR2 = Tolerance to glyphosate herbicide,

STS = Tolerance to Sulfonylurea herbicides.

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	2011				2010			2-Year	
			Yield	White Mold ¹	Stand ²	Lodging	Yield	White Mold ²	Lodging	Yield	White Mold ²
			bu/A	%	%	1-5	bu/A	%	1-5	bu/A	%
Dairyland	DSR-1215/R2Y	1.2	70	15	73	1.0					
Dairyland	DSR-1710/R2Y	1.7	68	4	45	1.0					
Dairyland	DSR-1808/R2Y	1.8	68	0	60	1.0					
Dairyland	DSR-2011/RR	2.0	* 75	1	88	1.0					
Dairyland	DSR-2105/R2Y	2.1	* 72	5	83	1.0					
Dairyland	DSR-2240/R2Y	2.2	66	8	43	1.0					
Dairyland	DSR-2411/R2Y	2.4	* 75	4	83	1.0					
Dairyland	DSR-2560/RR	2.5	* 75	6	75	1.5					
FS HiSOY	HS 18A12	1.8	* 76	1	68	1.3					
FS HiSOY	HS 19A02	1.9	70	13	85	1.0					
FS HiSOY	HS 21A02	2.1	69	6	68	1.0	* 85	2	1.3	* 77	4
FS HiSOY	HS 22A12	2.2	68	4	70	1.0					
FS HiSOY	HS 24A01	2.4	* 74	8	93	1.0	* 87	3	1.8	* 81	5
FS HiSOY	HS 24A12	2.4	69	9	68	1.0					
FS HiSOY	HS 25A11	2.5	64	10	85	1.8					
FS HiSOY	HS 25A12	2.5	* 74	23	75	1.5					
Kruger	K2-1701	1.7	60	5	45	1.0					
Pioneer	90Y90	0.9	59	3	53	1.0					
Pioneer	91M01	1.0	55	1	45	1.0	68	4	2.0	62	3
Pioneer	91Y61	1.6	59	4	38	1.0					
Pioneer	92Y51	2.5	63	5	48	1.0	76	4	1.5	70	5
MEAN			68	6	66	1.1	77	3	1.5	73	4
LSD(0.10)			5	7	14	0.3	10	ns	0.5	6	ns

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

¹ White Mold data is expressed as a percent of diseased plants.

² Stand data was collect on June 17 and is expressed as an estimate of percent plants in plot area which affected performance.

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.

Originator/Brand Entry		SCN		2011 2-Test Average					2011								2 Year
		Maturity Group	Resistance Source	Yield	Egg Counts ¹				East Troy				Hancock				Ave. Yield
									Yield	Egg Counts ¹		Pf/Pi ²	Yield	Egg Counts ¹		Pf/Pi ²	
					Spring (i)	Fall (f)	Pf/Pi ²	Lodging		Spring (i)	Fall (f)			Pf/Pi ²	Spring (i)		
				bu/A					1-5	bu/A							bu/A
Asgrow	AG 2031	2.0	PI 88788	* 72	1667	3967	2.2	1.8	66	2600	6467	2.5	* 77	733	1467	2.0	68 73
Asgrow	AG 2330	2.3	PI 88788	* 69	1467	6867	11.0	2.4	57	2667	8733	3.3	* 80	267	5000	18.8	
Croplan	R2C 2120	2.1	PI 88788	* 71	2600	3233	6.2	2.0	64	5067	4933	1.0	* 78	133	1533	11.5	
FS HiSOY	HS 19A02	1.9	PI 88788	* 73	2000	1267	0.8	2.1	* 70	3200	1733	0.5	* 76	800	800	1.0	
G2	7230	2.3	PI 88788	66	1400	1433	1.0	2.0	61	1933	2000	1.0	71	867	867	1.0	68 73
G2	7250	2.5	Peking	* 73	847	2667	8.7	1.8	* 72	1600	3933	2.5	73	93	1400	15.0	
G2	7262	2.6	Peking	* 69	880	2217	2.7	1.9	65	827	4200	5.1	72	933	233	0.3	
Jung	1225 RR2	2.2	PI 88788	* 72	3033	2643	0.9	1.8	* 68	5667	4933	0.9	* 76	400	353	0.9	
Legacy	LS-2131 RR2	2.2		64	1270	3353	2.1	2.0	56	2267	6333	2.8	72	273	373	1.4	68 73
NK Brand	S 19-A6 Brand	1.9	PI 88788	* 73	1367	1207	1.1	2.0	* 69	2533	2133	0.8	* 77	200	280	1.4	
NK Brand	S 25-T8 Brand	2.5	PI 88788	68	1767	2500	1.2	2.1	62	2600	4400	1.7	73	933	600	0.6	
NuTech	2324+	2.3	PI 88788	67	2133	4133	2.7	2.0	60	4133	7800	1.9	73	133	467	3.5	
Pioneer	92Y51	2.5	PI 88788	* 69	2200	4000	3.6	1.6	62	3667	3467	0.9	75	733	4533	6.2	68 73
Renk	RS 202 NR2	2.0		* 70	1433	2800	2.1	1.9	65	2600	5000	1.9	75	267	600	2.3	
Renk	RS 210 NR2	2.0		* 75	2167	2333	1.0	1.9	* 68	2733	3733	1.4	* 81	1600	933	0.6	
Trelay	21RR37	2.1	PI 88788	* 74	2567	5333	1.9	1.8	65	4400	9400	2.1	* 82	733	1267	1.7	
MEAN				70	1800	3122	3.1	1.9	64	3031	4950	1.9	76	569	1294	4.3	71 ns
LSD(0.10)				6	-	-	-	0.5	4	-	-	-	6	-	-	-	

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

¹ Average number of eggs in one hundred cubic centimeters of soil, and samples were composited by treatment.

² 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 2011

Brand	Company Name	Address	Phone	Website
Asgrow	Monsanto Company	800 N. Linbergh Blvd, St. Louis, MO, 63137	(815) 754-4809	www.monsanto.com
Bio Gene / Excel	Van Treeck Seed Farm	6136 Stahl Road, Sheboygan Falls, WI, 53085	(920) 467-2422	
Blue River	Blue River Hybrids	27087 Timber Road, Kelly, IA, 50134	(800) 370-7979	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	Dyna-Gro Seeds	1216 Lawton Lane, Waukegan, WI, 53597	(815) 822-8759	www.dyna-groseed.com
Excel Brand	Excel Brand	P.O. Box 958, 3570 Hwy. H, West Bend, WI, 53095	(800) 236-0163	www.dairylandseed.com
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
Hefty	Hefty Seed Company	47504 252nd Street, Baltic, SD, 57003	(605) 529-5412	www.heftyseed.com
Hughes	Burrus Bros & Associated Growers	206 N. Hughes Rd., Woodstock, IL, 60098	(815) 338-2480	www.hugheshybrids.com
Jung	Jung Seed Genetics	341 South High Street, Randolph, WI, 53956	(800) 242-1855	www.jungseedgenetics.com
Legacy	Legacy Seeds Inc.	290 Depot Street P.O. Box 68, Scandinavia, WI, 54977	(715) 467-2555	www.legacyseeds.com
LG	LG Seeds	534 Summit Ave., Dundas, MN, 55019	(507) 301-5498	www.lgseeds.com
Mycogen	Mycogen Seed	1413 Jensen Road, Eau Claire, WI, 54701	(715) 210-2788	www.Mycogen.com
NK Brand	Syngenta	31502 County 25 North, Peterson, MN, 55962	(507) 875-2344	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	Pioneer Hi-Bred Intl., Inc.	151 St. Andrews Court, Suite 910, Mankato, MN, 56001	(507) 625-3045	www.pioneer.com
Power Plus	Burrus Bros & Associated Growers	206 N. Hughes Rd., Woodstock, IL, 60098	(815) 338-1141	www.hugheshybrids.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	www.renkseed.com
Steyer	Partners in Production, LLC	PO Box 777, Sun Prairie, WI, 53590	(608) 335-8115	www.pipseeds.com
Trelay	Trelay Seeds	11623 Hwy 80, Livingston, WI, 53554	(800) 421-0397	www.trelay.com
Viking	Albert Lea Seed House	1414 W. Main, P.O. Box 127, Albert Lea, MN, 56007	(800) 352-5247	www.alseed.com

Table 11. 2011 Temperature and Precipitation Summary.

Location	Temperature Precipitation	May		June		July		August		September	
		Average-°F	Departure	Average-°F	Departure	Average-°F	Departure	Average-°F	Departure	Average-°F	Departure
		Total-Inch	Departure	Total-Inch	Departure	Total-Inch	Departure	Total-Inch	Departure	Total-Inch	Departure
Arlington	Temperature	53.6	-2.1	64.6	-0.9	72.9	3.5	67.8	0.5	56.5	-2.8
	Precipitation	2.2	-1.5	4.1	-0.6	2.5	-1.7	1.5	-2.4	3.9	0.3
	Irrigation - White Mold Trial					Timed Mist System					
Chippewa Falls (Eau Claire)	Temperature	56.1	-1.5	66.2	-0.7	74.6	3.0	69.5	0.2	58.4	-1.8
	Precipitation	3.3	-0.2	7.2	3.1	7.4	3.5	2.3	-2.2	1.7	-2.0
East Troy (Burlington)	Temperature	54.8	-1.1	65.7	-0.4	74.1	3.6	69.0	0.0	59.1	-1.7
	Precipitation	2.9	-0.8	3.4	-0.4	4.6	1.2	2.3	-1.6	4.4	1.2
Fond du Lac	Temperature	52.5	-3.8	64.4	-1.6	73.9	3.5	69.8	1.2	57.0	-3.7
	Precipitation	2.0	-1.1	1.7	-2.3	4.0	0.5	1.7	-1.8	4.4	1.0
Galesville (Trempealeau)	Temperature	59.0	-0.3	69.4	0.9	77.4	4.7	72.3	1.8	60.8	-1.3
	Precipitation	3.7	-0.1	3.4	-0.4	5.2	0.8	2.0	-2.5	2.8	-1.0
Hancock* (Stevens Point)	Temperature	54.4	-2.4	67.0	0.5	73.5	3.2	70.1	1.8	57.6	-2.4
	Precipitation	2.0	-1.7	1.8	-2.8	2.0	-2.4	0.0	-4.2	0.7	-2.7
	Irrigation			1.6		6.2		4.4			
Janesville (Beloit)	Temperature	57.1	-1.6	68.4	-0.2	76.5	4.0	71.6	0.8	59.9	-3.0
	Precipitation	2.9	-0.9	4.9	0.2	4.8	0.9	4.6	0.3	3.7	0.1
Lancaster	Temperature	57.7	0.4	68.1	1.2	76.3	5.5	71.3	2.3	59.0	-1.8
	Precipitation	2.3	-1.8	5.4	0.2	6.9	2.6	2.6	-1.6	3.6	-0.4
Marshfield	Temperature	54.8	-1.3	65.1	-0.7	73.2	3.1	69.5	1.4	57.4	-1.7
	Precipitation	3.2	-0.5	4.1	0.3	8.2	4.2	2.7	-1.6	3.6	-0.3
Seymour (Green Bay)	Temperature	54.7	-1.5	64.8	-0.7	75.1	5.3	69.1	0.6	57.7	-2.1
	Precipitation	2.8	-0.1	5.1	1.2	5.3	1.8	1.7	-1.7	4.5	1.5
Spooner*	Temperature	54.1	-1.6	64.3	-0.6	73.4	4.1	6.8	0.7	57.8	-0.5
	Precipitation	4.0	0.5	3.3	-0.7	3.5	-0.6	7.3	3.1	1.4	-2.4
	Irrigation-Sand Trial			0.5		1.2					
Sturgeon Bay	Temperature	52.0	-1.1	62.8	-0.4	72.5	3.8	70.2	2.4	59.1	-0.9
	Precipitation	2.7	-0.5	2.6	-1.1	1.7	-1.7	1.4	-2.1	3.8	0.4

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

Source: Wisconsin State Climatology Office; New long term normals from 1981 to 2010 used for Departure data.

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	RR2	5	PI 88788	Rps 1-k	P	T	BR	B
Asgrow	AG 0832	0.8	RR2	4,5		Rps 3-a	P	LT	TN	BR
Asgrow	AG 1031	1.0	RR2	4,5		Rps 3-a	P	LT	TN	B
Asgrow	AG 1132	1.1	RR2	4		Rps 3-a	P	LT	TN	BR
Asgrow	AG 1230	1.2	RR2	4,7	PI 88788	Rps 1-c	P	G	BR	IB
Asgrow	AG 1431	1.4	RR2	4,7	PI 88788	Rps 1-c	P	LTW	BR	B
Asgrow	AG 1631	1.6	RR2	3	PI 88788	Rps 1-c	P	G	BR	IB
Asgrow	AG 1832	1.8	RR2	3	PI 88788	Rps 1-k	W	G	BR	BF
Asgrow	AG 1931	1.9	RR2	3	PI 88788	Rps 1-c	P	G	BR	IB
Asgrow	AG 2031	2.0	RR2	2,3,9	PI 88788	Rps 1-c	P	LTW	BR	B
Asgrow	AG 2330	2.3	RR2	2,3,6,9	PI 88788	Rps 1-k	P	G	T	IB
Asgrow	AG 2531	2.5	RR2	2	PI 88788	Rps 1-c	P	LT	BR	B
Asgrow	AG 2731	2.7	RR2	2	PI 88788	Rps 1-c	P	G	BR	IB
Asgrow	AG 2830	2.8	RR2	2	PI 88788	Rps 1-c	P	G	T	IB
Bio Gene	BG 7140 RR2Y	1.4	RR2	4		Rps 1-c	P	LT	BR	B
Blue River	06F8	0.6	CN	7						
Blue River	008f1	0.8	CN	7						
Blue River	11A1	1.1	CN	7						
Blue River	1F44	1.4	CN	7						
Blue River	16C1	1.6	CN	7						
Blue River	19AR1	1.9	CN	6						
Blue River	2A12	2.1	CN	6						
Blue River	25AR1	2.5	CN	6						
Blue River	2A71	2.7	CN	6	S		P	G	BR	B
Channel	0905R2 Brand	0.9	RR2	5		Rps 1-k	P	TW	BR	B
Channel	1105R2 Brand	1.1	RR2	4		Rps 3-a	P	LTW	TN	BR
Channel	1405R2 Brand	1.4	RR2	4,7	PI 88788	Rps 1-c	P	LTW	BR	B
Channel	1805R2 Brand	1.8	RR2	4	PI 88788	Rps 1-c	P	LTW	BR	B
Channel	2105R2 Brand	2.1	RR2	3	PI 88788	Rps 1-c	P	LTW	BR	B
Channel	2305R2 Brand	2.3	RR2	3	PI 88788	Rps 1-k	P	G	T	IB
Channel	2400R2 Brand	2.4	RR2	2	PI 88788	Rps 1-c	P	G	T	IB
Channel	2903R2 Brand	2.9	RR2	2	PI 88788	Rps 1-c	P	G	BR	IB
Croplan	R2T 0990	0.9	RR2	5		Rps 1-c	P	G	BR	IB
Croplan	R2C 1140	1.1	RR2	5	PI 88788	Rps 1-c	P	LTW	BR	BR
Croplan	R2T 1470	1.4	RR2	5		Rps 1-c	P	LTW	BR	B
Croplan	R2C 1770	1.7	RR2	3,4	PI 88788	Rps 1-k	P	G	TN	IB
Croplan	R2C 1869	1.8	RR2	3,4	PI 88788	Rps 1-k	P	G	BR/T	IB
Croplan	R2T 1960	1.9	RR2	3,4		Rps 1-c	P	G	BR	IB
Croplan	R2C 2070	2.0	RR2	2,3,4	PI 88788	Rps 1-k/1c	P	LTW	BR	B

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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	R2C 2120	2.1	RR2	2,3,4,9	PI 88788	Rps 1-k	P	G	T	IB
Croplan	R2C 2280	2.2	RR2	2	PI 88788	Rps 1-k	P	G	T	IB
Croplan	R2T 2221	2.2	RR2	2		Rps 1-c	W	LTW	BR	B
Croplan	R2T 2440	2.4	RR2	2,6		Rps 1-c	P	G	BR	BF
Croplan	R2C 2830	2.8	RR2	2	PI 88788		P	LTW	T	B
Dairyland	DSR-0200/R2Y	0.2	RR2	5		Rps 1-c	P	TW	BR	B
Dairyland	DSR-0603/R2Y	0.6	RR2	4,5		Rps 1-c	P	G	BR	IB
Dairyland	DSR-0747/R2Y	0.7	RR2	3		Rps 1-c	P	G	BR	IB
Dairyland	DST10-003/R2Y	1.0	RR2	4		Rps 1-k	P	TW	BR	BR
Dairyland	DSR-1215/R2Y	1.2	RR2	2,3,8		Rps 1-c	P	LTW	BR	B
Dairyland	DSR-1370/R2Y	1.3	RR2	2,7		Rps 1-c	P	LTW	BR	B
Dairyland	DSR-1710/R2Y	1.7	RR2	2,8	PI 88788	Rps 1-c	P	G	BR	IB
Dairyland	DSR-1808/R2Y	1.8	RR2	2,3,4,8	PI 88788	Rps 1-c	P	G	BR	IB
Dairyland	DSR-2011/RR	2.0	RR1	2,3,6,8			W	LTW	BR	B
Dairyland	DSR-2105/R2Y	2.1	RR2	2,3,8	PI 88788	Rps 1-k	P	G	T	IB
Dairyland	DSR-2240/R2Y	2.2	RR2	2,8		Rps 1-c	P	G	BR	IB
Dairyland	DSR-2400	2.4	CN	6		Rps 1-k	P	G	BR	Y
Dairyland	DSR-2411/R2Y	2.4	RR2	2,8		Rps 1-c	P	G	BR	BF
Dairyland	DSR-2560/RR	2.5	RR1	2,8			W	LTW	BR	B
Dairyland	DSR-2727/R2Y	2.7	RR1	2,6		Rps 1-k	W	LTW	BR	B
Dairyland	DSR-2880/R2Y	2.8	RR2	2	PI 88788	Rps 1-k	P	G	BR	IB
DeLong	D 2008	2.0	CN	7		Rps 1-c	P	G	BR	Y
Dyna-Gro	38RY13	1.3	RR2	4						
Dyna-Gro	34RY17	1.7	RR2	3,4						
Dyna-Gro	38B21	2.1	RR1	2,3						
Dyna-Gro	39RY25	2.5	RR2	2						
Dyna-Gro	V25N9 RR	2.5	RR1	2	PI 88788	S	W	LTW	BR	B
Excel	1300 R2Y	1.3	RR2	3,4		Rps 1-c	P	LTW	BR	B
Excel	7156 STS	1.5	STS	6,7			LTW	W	BR	B
FS HiSOY	HS 18A12	1.8	RR2	2,3,4,8	PI 88788	Rps 1-c	P	G	BR	IB
FS HiSOY	HS 19A02	1.9	RR2	2,3,8,9	PI 88788	Rps 1-c	P	G	BR	IB
FS HiSOY	HS 21A02	2.1	RR2	2,3,8	PI 88788	Rps 1-c	P	LTW	BR	B
FS HiSOY	HS 22A12	2.2	RR2	2,3,8	PI 88788	Rps 1-c	P	LTW	BR	B
FS HiSOY	HS 24A01	2.4	RR2	2,8	S	Rps 1-c	P	G	BR	BF
FS HiSOY	HS 24A12	2.4	RR2	2,8	PI 88788	Rps 1-c	P	TW	T	B
FS HiSOY	HS 25A11	2.5	RR2	2,8	S	Rps 1-k	W	TW	BR	B
FS HiSOY	HS 25A12	2.5	RR2	2,8	PI 88788	Rps 3-a	W	LTW	T	BR
G2	6088	0.8	RR1	4						
G2	6092	0.9	RR1	4						

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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
G2	6142	1.4	RR1	4						
G2	6155	1.5	RR1	4,7						
G2	6162	1.6	RR1	3,4						
G2	7164	1.6	RR1	4						
G2	7170	1.7	RR1	3						
G2	7186	1.8	RR1	3						
G2	7208	2.0	RR1	3,4	PI 88788					
G2	7212	2.1	RR1	2	PI 88788					
G2	7226	2.2	RR1	3						
G2	7230	2.3	RR1	2,9	PI 88788					
G2	7249	2.4	RR1	3						
G2	7250	2.5	RR1	2,3,6,9	Peking					
G2	7258	2.5	RR1	2						
G2	7262	2.6	RR1	2,9	Peking					
G2	7270	2.7	RR1	2						
G2	7282	2.8	RR1	2						
G2	7290	2.9	RR1	2						
G2	7310	3.1	RR1	2						
Hefty	H 09Y11	0.9	RR2	4	S		P		BR	IB
Hefty	H 13Y12	1.0	RR2	4	S		P		BR	IB
Hefty	H 11Y12	1.1	RR2	4	S		P		T	BR
Hefty	H 16Y12	1.6	RR2	4			P		T	IB
Hefty	H 18Y12	1.8	RR2	4			P		T	IB
Hughes	201 RR	2.0	RR1	2	S		W	LTW	BR	B
Hughes	454 RR	2.4	RR1	2	S		W	LTW	BR	B
Hughes	555 RR	2.5	RR1	2	PI 88788	Rps 1-k	W	T	BR	B
Hughes	777 RR	2.7	RR1	2	PI 88788		W	LTW	BR	B
Jung	1100 RR2	1.0	RR2	4						
Jung	1141 RR2	1.4	RR2	4		Rps 1-c	W	G	BR	IB
Jung	1163 RR2	1.6	RR2	4						
Jung	1188 RR2	1.8	RR2	3						
Jung	1201 RR2	2.0	RR2	3						
Jung	1225 RR2	2.2	RR2	2,3,9	PI 88788	Rps 1-c	P	G	BR	IB
Jung	1232 RR2	2.3	RR2	2						
Jung	1248 RR2	2.4	RR2	2,6		Rps 1-c	P	G	BR	IB
Kruger	K2-1701	1.7	RR2	8						
Legacy	LS-0710 RR2	0.7	RR2	4,5						
Legacy	LS-0911 RR2	1.0	RR2	4						
Legacy	LS-1321 RR2	1.3	RR2	4						

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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-1531 RR2	1.5	RR2	4						
Legacy	LS-1710 RR2	1.7	RR2	3,4,7	PI 88788		P	G	T	B
Legacy	LS-2021 RR	2.0	RR1	3						
Legacy	LS-2131 RR2	2.2	RR2	2,3,9						
Legacy	LS-2509 RR1	2.5	RR1	2	PI 88788		W	LTW	BR	B
Legacy	LS-2811 RR2	2.8	RR1	2						
LG	C 0915 R2	0.9	RR2	4		Rps 1-c	P	G	BR	IB
LG	C 1211 R2	1.2	RR2	4	PI 88788	Rps 1-c	P	G	BR	IB
LG	C 1780 R2	1.7	RR2	4	PI 88788	Rps 1-c	P	G	BR	IB
LG	C 1917 R2	1.9	RR2	3	PI 88788	Rps 1-c	P	LTW	BR	B
LG	C 2175 R2	2.1	RR2	3	PI 88788	Rps 1-k/1c	P	G	T	IB
Mark	MRK 2410 RR2	2.4	RR2	2,3						
Mycogen	5B130 R2	1.3	RR2	4						
Mycogen	5N180 R2	1.8	RR2	3						
Mycogen	5N205 R2	2.0	RR2	3						
Mycogen	5N210 R2	2.1	RR2	2						
NK Brand	S 09-N6 Brand	0.9	RR1	5	S	Rps 1-c	W	LTW	T	BR
NK Brand	S 10-G7 Brand	1.0	RR2	4,5						
NK Brand	S 15-L5 Brand	1.5	RR1	4,7						
NK Brand	S 17-F3 Brand	1.7	RR1	4						
NK Brand	S 17-G8 Brand	1.7	RR2	4,7	PI 88788	Rps 1-c	P	G	BR	IB
NK Brand	S 19-A6 Brand	1.9	RR1	3,9	PI 88788		P	G	T	IB
NK Brand	S 20-Y2 Brand	2.0	RR2	2,3						
NK Brand	S 21 -E4 Brand	2.1	RR1	2						
NK Brand	S 21-N6 Brand	2.1	RR1	2,3,6	S	Rps 1-k	P	LTW	BR	BR
NK Brand	S 25-F2 Brand	2.5	RR1	2	S	Rps 1-k	W	LTW	BR	BR
NK Brand	S 25-R3 Brand	2.5	RR1	2,3						
NK Brand	S 25-T8 Brand	2.5	RR1	2,9	PI 88788		W	LTW	BR	B
NK Brand	S 27-C4 Brand	2.7	RR1	2	PI 88788	Rps 1-k	P	LTW	T	B
NK Brand / Delong	S 18-R6	1.8	CN	7		Rps 1-a	P	G	T	Y
NK Brand / Delong	S 20-G7	2.0	CN	7		Rps 1-c	P	G	BR	Y
NK Brand / Delong	S 23-T5	2.3	CN	6,7		Rps 1-c	P	LTW	T	Y
NuTech	6118	1.1	RR1	4						
NuTech	6145	1.4	RR1	3,4,7						
NuTech	6185	1.8	RR1	3,4						
NuTech	3199L	1.9	LL	7						
NuTech	3248L	2.2	LL	6						
NuTech	6195	2.2	RR1	4						
NuTech	6228	2.2	RR1	2,3						

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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	2324+	2.3	RR1	2,3,9	PI 88788					
NuTech	3255L	2.4	LL	6						
NuTech	6244	2.4	RR1	2,3						
NuTech	6245	2.4	RR1	3						
NuTech	3280L	2.5	LL	6						
NuTech	7251	2.5	RR1	2,6						
NuTech	6265	2.6	RR1	2						
NuTech	6281	2.8	RR1	2						
NuTech	7309	2.8	RR1	2						
O'Brien	OSOY 184RR	1.7	RR1	3						
O'Brien	OSOY 165LL	1.8	LL	7						
O'Brien	OSOY 210LL	2.1	LL	6						
O'Brien	OSOY 22R2	2.2	RR2	2						
O'Brien	OSOY 250RR	2.5	RR1	2						
Pioneer	90Y90	0.9	RR1	5,8		Rps 1-c	P	LTW	BR	BR
Pioneer	91M01	1.0	RR1	5,8		Rps 1-k	P	TW	BR	BR
Pioneer	91Y41	1.4	RR1	4	PI 88788	Rps 1-c	P	LTW	BR	BR
Pioneer	91Y61	1.6	RR1	4,7,8			P	TW	BR	BR
Pioneer	91Y90	1.9	RR1	4			W	LTW	BR	BR
Pioneer	91Y92	1.9	RR1	3,4	PI 88788	Rps 1-c	P	LTW	BR	BR
Pioneer	92Y12	2.1	RR1	2,3		Rps 1-k	P	LTW	T	B
Pioneer	92Y30	2.3	RR1	2	PI 88788	Rps 1-k	P	G	BR	IB
Pioneer	92Y31	2.3	RR1	3		Rps 1-c	P	LTW	BR	G
Pioneer	92M54	2.5	RR1	2						
Pioneer	92Y51	2.5	RR1	2,3,8,9	PI 88788	Rps 1-k	P	LTW	T	B
Pioneer	92Y53	2.5	RR1	2,6	PI 54842	Rps 1-k	P	TW	BR	BR
Pioneer	92Y75	2.7	RR1	2	PI 88788	Rps 1-k	W	LTW	T	BR
Pioneer	93M11	3.1	RR1	2		Rps 1-k	P	LTW	T	B
Power Plus	23Z1	2.3	RR1	2	PI 88788	Rps 1-c	W	LTW	BR	B
Power Plus	26W2	2.6	RR1	2	PI 54842	Rps 1-c	W	LTW	T	BR
Public	MN 0302	0.3	CN	7		Rps 1-k	P	G	T	BF
Public	Ashtabula	0.4	CN	7			P	G	BR	Y
Public	Sheyenne	0.6	CN	7			P	G	BR	Y
Public	MN 1005	1.0	CN	6,7		Rps 1-k	P	G	T	BF
Public	MN 1410	1.4	CN	6,7			W	G	B	BF
Public	IA 1006	1.6	CN	6,7			W	TW	BR	B
Public	IA 1022	1.7	CN	6,7			P	G	T	Y
Public	MN 1701 CN	1.7	CN	6,7	PI 88788		W	TW		Y
Public	Davison	2.2	CN	6,7		Rps 1-a	W	LTW	T	B

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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 082 R2	0.8	RR2	4,5						
Renk	RS 122 R2	1.2	RR2	4						
Renk	RS 140 NR2	1.4	RR2	4						
Renk	RS 172 NR2	1.7	RR2	3,4						
Renk	RS 181 NR2	1.8	RR2	3,4						
Renk	RS 202 NR2	2.0	RR2	2,3,9						
Renk	RS 210 NR2	2.0	RR2	3,9						
Renk	RS 222 R2	2.2	RR2	2,3						
Renk	RS 241 R2	2.4	RR2	2,3						
Renk	RS 259 NRR	2.5	RR1	2						
Renk	RS 282 R2	2.8	RR2	2						
Steyer	1611 RR2	1.6	RR2	3,4						
Steyer	2111 RR2	2.1	RR2	3						
Steyer	2710 RR2	2.7	RR2	2	PI 88788					
Trelay	15RR51	1.5	RR2	4	PI 88788	Rps 1-c	P	G	BR	IB
Trelay	16RR78	1.6	RR2	4	PI 88788		P	G	BR	IB
Trelay	18RR21	1.8	RR2	3,4	PI 88788	Rps 1-k	P	G	T	IB
Trelay	20RR43	2.0	RR2	3	PI 88788	Rps 1-c	P	T	BR	IB
Trelay	21RR37	2.1	RR2	2,3,6,9	PI 88788	Rps 1-c	P	G	T	IB
Trelay	24RR19	2.4	RR2	3		Rps 1-c	P	G	BR	BF
Trelay	25RR26	2.5	RR2	2	PI 88788	Rps 3-a	W	LTW	T	BR
Trelay	27RR03	2.7	RR2	2	PI 88788	Rps 1-c	P	G	BR	IB
Trelay	28RR64	2.8	RR2	2	PI 88788	Rps 1-c	P	G	BR	IB
Viking	1521 N	1.5	CN	7						
Viking	1718 N	1.7	CN	7						
Viking	O.1706	1.7	CN	7	PI 88788		W	LTW	BR	B
Viking	O.2078	2.0	CN	6	PI 88788		P	LTW	BR	B
Viking	O.2265	2.2	CN	6	S		W	T	BR	BL
Viking	2375 N	2.3	CN	6						

All characteristic information is provided by the originator.

1/ Herb. Toler.= Herbicide Tolerance: RR1/RR2= Tolerance to glyphosate herbicide, STS = Tolerance to Sulfonylurea herbicides, LL= Tolerance to Ignite herbicide, CN= Conventional herbicide tolerance.

3/ Source of SCN Resistance; S =Susceptible.

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

5/ 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.