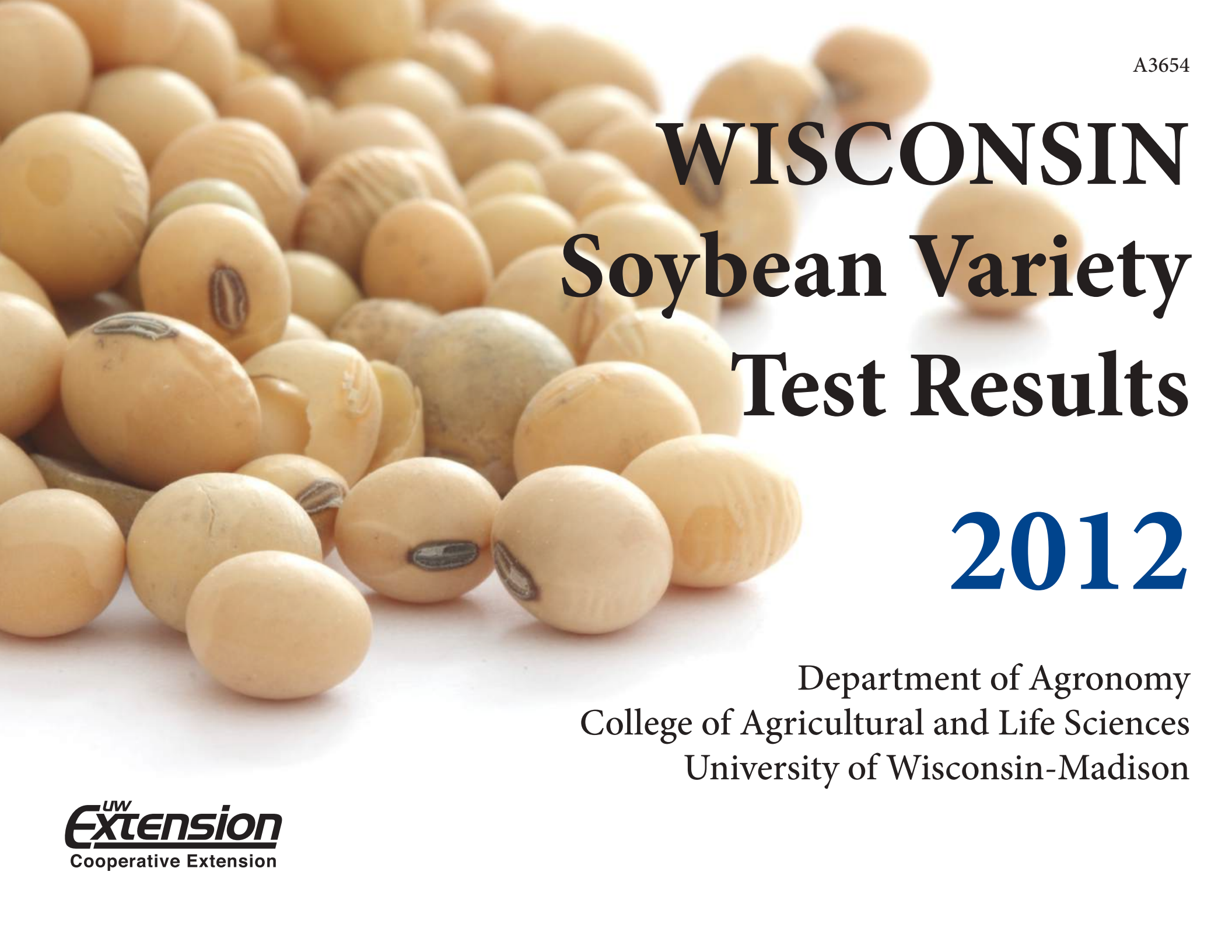




WISCONSIN Soybean Variety Test Results 2012

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2012 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.

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. All 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 dramatic variation in weather conditions in 2012. Drought (-4 to -8 inch departure from normal annual pre-

cipitation) and near record high temperatures (39 days above 90° F) across large portions of WI led to a projected statewide average soybean yield of 39 bu/A; down 7.5 bu/A from 2011.

Soybean planting and emergence progressed ahead of the five year average through mid-June.

Temperatures in June, July, and August remained higher than normal, which significantly advanced crop development compared to the 5 year average. In all areas of Wisconsin, the 2012 growing season was ahead of the 30 year average. From March 1st through Sept. 15th the crop had accumulated approximately 600 more growing degree units (GDUs) (base 50° F) than the 30 year norm. Statewide crop conditions were rated at less than 50 percent good to excellent for most of the season.

Advanced crop development and favorable harvest weather in September significantly expedited harvest. As of October 14th, 88 percent of the Wisconsin soybean crop had been harvested, whereas typically only 46 percent 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 95 percent of the pods had turned their mature color. Seven to ten days of drying weather are generally required before soybeans are ready to harvest. 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. 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 indi-

cates that proper variety selection can result in 200 more pounds per acre of protein and oil without compromising grain yield.

Phytophthora Root Rot (*P. sojae*)

There are many races of *Phytophthora sojae*. Resistance genes are incorporated into varieties (see Table 11) 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
Rps 3-a	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

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 percent of the time. Race 4 occurs in 25 percent 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. 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 11 is based on information supplied by public breeders or companies that are releasing or marketing the variety.

White Mold (*Sclerotinia sclerotiorum*)

White mold infects through the flowers during early reproductive growth; 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 2012. 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 percent 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 (*Heterodera glycines*)

Soybean Cyst Nematode (SCN) has gained significant importance as a yield-limiting pathogen in Wisconsin. A major concern is that growers are not aware of its presence on their farms. SCN can cause severe stunting and chlorosis of soybean plants, but these symptoms are not always as common; SCN can also cause major yield loss without obvious symptoms. The most common “symptom” caused by SCN is a yield decline over several years even though top crop management practices are used. Significant advances have been made to improve varieties for resistance to SCN. 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.

For more information about soybean pests and diseases, go to:
http://fyi.uwex.edu/fieldcroppathology/soybean_pests_diseases/

Brown Stem Rot (*Phialophora gregata*)

Brown stem rot (BSR) is a major disease of soybeans in Wisconsin. In 2012, the incidence of BSR was lower than in previous years. External symptoms of BSR are not observed until after pod development begins. There are examples where fields have both BSR and sudden death syndrome, 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, and the nondefoliating pathotype that only causes internal stem symptoms. Select resistant varieties if BSR has been a problem in the field.

Sudden Death Syndrome (*Fusarium solani* f. sp. *glycines*)

Sudden death syndrome (SDS) incidence was similar to that of 2011. 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 (*Diaporthe phaseolorum* var. *caulivora*) incidence was similar to that in 2011. Stem canker is caused by a fungus with symptoms that develop during mid-pod development—leaves wilt and die but stay attached to plants, and 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 almost nonex-

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istent in 2012. Few fields within the state reached economic threshold levels that required treatment. Spider mite infestations were severe in the droughty production areas of Wisconsin. Many fields required a minimum of one pesticide application for control. Those growers that did not manage this pest experienced significant yield loss. 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 2013. The virus situation in fields also need to be assessed; virus-infected soybean plants commonly produce discolored seed. Late season bean leaf beetle infestation can cause extensive feeding injury to pods, thus combining with bean pod mottle virus to reduce seed yield and quality. Evidence is increasing that soybean varieties differ in their 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 can better predict variety performance. When selecting varieties 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. Data that is not significant is indicated by NS.

2012 Soybean Variety Test Sites

○ Northern Region (Table 5)

Marshfield
Spooner

▲ North Central Region (Table 4 & Table 7)

Chippewa Falls
Marshfield
Seymour

● Central Region (Table 3)

Fond du Lac
Galesville
Hancock

△ Southern Region (Table 2 & Table 6)

Arlington (Table 8)
Janesville
Lancaster



Table 1.

General Information on the 2012 Soybean Tests.

Location : Test	Cooperators	Row Spacing (in.)	Soil Test Results					Pesticide Application			Dates		Average Yield (bu/A)		
			Soil Texture	pH	OM (%)	P (ppm)	K (ppm)	Preplant incorporated	Pre-emergent	Post-emergent	Planting	Harvest	2012	2011	2011-2
Arlington: Glyphosate Tolerant	Darwin Frye	15	Silt Loam	6.9	3.9	79	206	Authority First, Dual II Magnum	--	Dimethoate 400 (2)	11-May	3-Oct	80	67	74
Arlington: Conventional & Traited Herbicide	Darwin Frye	15	Silt Loam	6.9	3.9	79	206	Authority First, Dual II Magnum	--	Dimethoate 400 (2)	11-May	3-Oct	75	69	72
Arlington: White Mold	Darwin Frye	15	Silt Loam	6.0	2.8	21	102	Authority First, Intro	--	Dimethoate 400	21-May	12-Oct	48	68	58
Chippewa Falls: Glyphosate Tolerant	Jerry Clark	15	Silt Loam	6.6	3.3	16	76	--	--	Roundup Weather Max	15-May	1-Oct	49	56	53
Fond du Lac: Glyphosate Tolerant	Ed Montsma, Mike Rankin	15	Silt Loam	7.0	3.9	29	80	--	Dual II Magnum, Authority 1st	Roundup Weather Max, Fanfare 2EC	16-May	4-Oct	70	65	68
Galesville: Glyphosate Tolerant	Ken Congdon, Steve Huntzicker	15	Silt Loam	6.2	3.6	46	181	--	--	Roundup Weather Max (2), Select Max	15-May	4-Oct	80	57	69
Hancock: Glyphosate Tolerant	Matt Repking, Glenn Carlson	15	Sand	6.6	0.8	71	63	--	--	Roundup Weather Max	2-May	11-Oct	82	79	81
Janesville: Glyphosate Tolerant	Jim Stute	15	Silt Loam	7.0	3.5	41	107	--	Dual II Magnum, Authority 1st	Roundup Weather Max (2), Select Max, Dimethoate 400	10-May	2-Oct	65	80	73
Lancaster: Glyphosate Tolerant	Tim Wood	15	Silt Loam	6.3	2.4	20	86	Pursuit Plus, Prowl, Sencor DF	--	Roundup Weather Max, Select Max	8-May	28-Sep	55	72	64
Lancaster: Conventional & Traited Herbicide	Tim Wood	15	Silt Loam	6.3	2.4	20	86	Pursuit Plus, Prowl, Sencor DF	--	Flexstar, Select Max	8-May	28-Sep	44	62	53
Marshfield: Glyphosate Tolerant (North Central)	Mike Bertram	15	Silt Loam	6.8	3.8	32	111	FirstRate, Parallel	--	Select Max	17-May	10-Oct	43	62	53
Marshfield: Glyphosate Tolerant (North)	Mike Bertram	15	Silt Loam	6.8	3.8	32	111	FirstRate, Parallel	--	Select Max	17-May	10-Oct	44	-	-
Marshfield: Conventional & Traited Herbicide	Mike Bertram	15	Silt Loam	6.8	3.8	32	111	FirstRate, Parallel	--	Select Max	17-May	10-Oct	43	62	53
Seymour: Glyphosate Tolerant	Mike Maass, Kevin Jarek	15	Clay Loam	7.5	2.7	41	132	--	--	Roundup Weather Max, Select Max	16-May	5-Oct	76	57	67
Spooner: Glyphosate Tolerant (Dry Land)	Phil Holman	7	Silt Loam	6.0	2.1	20	88	--	--	Roundup Weather Max, Select	17-May	26-Sep	42	50	46
Spooner: Glyphosate Tolerant (Irrigated)	Phil Holman	7	Sandy Loam	5.9	1.3	88	76	--	--	Roundup Weather Max, Select	17-May	25-Sep	42	49	46

Table 2. 2012 Southern Region Glyphosate Tolerant Soybean Test: performance of commercial entries at three southern Wisconsin locations (1 of 4).

Originator/Brand	Entry	Maturity Group	2012 3-Test Average			2012 Yields				2012 Composition ²		2011 3-Test Average				
			Yield (bu/A)	Lodging (1-5)	Maturity (date)	Arlington (bu/A)	----Janesville ---- (bu/A)	(SM%) ¹	Lancaster (bu/A)	Protein (%)	Oil (%)	Yield (bu/A)	Lodging (1-5)	Maturity (date)	Protein (%)	Oil (%)
Asgrow	AG 2031	2.0	60	1.0	6-Sep	63	67	10	48	32.9	19.7	70	1.6	13-Sep	35.0	19.0
Asgrow	AG 2232	2.2	68	1.2	11-Sep	77	67	3	58	33.0	19.5	--	--	--	--	--
Asgrow	AG 2431	2.4	*71	1.0	17-Sep	*84	65	18	*61	32.8	19.2	--	--	--	--	--
Asgrow	AG 2433	2.4	66	1.0	17-Sep	*84	62	30	49	33.9	18.7	--	--	--	--	--
Asgrow	AG 2531	2.5	*71	1.0	17-Sep	*89	64	28	54	33.8	18.6	73	2.1	20-Sep	34.9	18.6
Asgrow	AG 2733	2.7	*75	1.0	23-Sep	*86	*69	5	*68	34.2	18.9	--	--	--	--	--
Channel	2105R2 Brand	2.1	63	1.0	14-Sep	63	*70	3	55	32.9	19.9	--	--	--	--	--
Channel	2402R2 Brand	2.4	70	1.0	16-Sep	78	63	10	*66	32.8	19.0	--	--	--	--	--
Channel	2605R2 Brand	2.6	*76	1.2	21-Sep	*89	*69	0	*66	33.1	18.6	--	--	--	--	--
Croplan	R2C2070	2.0	62	1.0	7-Sep	68	66	8	49	33.0	19.8	72	1.8	13-Sep	35.3	19.1
Croplan	R2C2120	2.1	65	1.0	10-Sep	78	63	5	49	32.4	20.0	*76	1.8	21-Sep	33.8	19.2
Croplan	R2C2132	2.1	65	1.0	9-Sep	80	63	25	50	33.2	19.0	--	--	--	--	--
Croplan	R2T2440	2.4	70	1.0	14-Sep	78	68	23	*61	32.8	19.1	*76	1.8	23-Sep	34.0	18.9
Croplan	R2C2451	2.4	70	1.2	14-Sep	*83	62	45	*63	32.8	18.9	--	--	--	--	--
Croplan	R2C2721	2.7	70	1.2	20-Sep	80	66	25	60	34.1	18.2	--	--	--	--	--
Dairyland	DSR-1370/R2Y	1.3	61	1.1	4-Sep	76	61	8	42	32.9	18.8	67	1.8	10-Sep	34.0	18.6
Dairyland	DSR-1710/R2Y	1.7	57	1.0	5-Sep	*84	44	80	41	32.7	19.1	71	1.3	8-Sep	34.9	18.5
Dairyland	DSR-1808/R2Y	1.8	61	1.0	7-Sep	77	58	43	43	32.6	19.2	*74	1.6	15-Sep	34.1	18.7
Dairyland	DSR-2105/R2Y	2.1	65	1.0	10-Sep	*82	63	18	45	32.3	20.0	*75	1.8	20-Sep	34.1	19.0
Dairyland	DSR-2190/R2Y	2.1	66	1.0	12-Sep	78	67	23	48	32.4	19.5	--	--	--	--	--
Dairyland	DSR-2411/R2Y	2.4	*72	1.0	15-Sep	*86	67	23	58	33.0	19.1	*79	1.8	20-Sep	34.0	19.0
Dairyland	DSR-2677/R2Y	2.7	70	1.0	21-Sep	*82	*69	5	56	32.7	18.5	--	--	--	--	--

Table 2. continued. Southern Region Glyphosate Tolerant Soybean Test: performance of commercial entries at three southern Wisconsin locations (2 of 4).

Originator/Brand	Entry	Maturity Group	2012 3-Test Average			2012 Yields				2012 Composition ²		2011 3-Test Average				
			Yield (bu/A)	Lodging (1-5)	Maturity (date)	Arlington (bu/A)	----Janesville ---- (bu/A)	(SM%) ¹	Lancaster (bu/A)	Protein (%)	Oil (%)	Yield (bu/A)	Lodging (1-5)	Maturity (date)	Protein (%)	Oil (%)
Dyna-Gro	38B21	2.1	61	1.0	11-Sep	71	62	13	48	32.8	19.6	*74	1.6	20-Sep	34.2	19.2
Dyna-Gro	39RY25	2.5	68	1.0	16-Sep	81	61	43	58	32.8	19.1	*77	1.8	20-Sep	34.1	19.0
Dyna-Gro	S27RY03	2.7	70	1.0	20-Sep	76	68	3	*63	32.7	18.8	--	--	--	--	--
FS HiSOY	HS 20A22	1.9	64	1.0	10-Sep	80	58	13	50	32.7	19.2	--	--	--	--	--
FS HiSOY	HS 21A02	2.1	62	1.0	9-Sep	72	62	15	49	32.7	20.0	*76	1.6	18-Sep	34.8	19.2
FS HiSOY	HS 22A21	2.2	70	1.0	13-Sep	*87	*70	10	46	33.1	18.7	--	--	--	--	--
FS HiSOY	HS 24A01	2.4	70	1.0	17-Sep	*85	63	60	57	32.6	19.1	*79	1.9	23-Sep	34.1	18.9
FS HiSOY	HS 24A12	2.4	69	1.0	16-Sep	*86	59	55	59	32.9	18.8	*76	1.7	24-Sep	33.9	18.7
FS HiSOY	HS 25A22	2.5	*73	1.0	18-Sep	*87	68	33	59	33.7	18.8	--	--	--	--	--
G2	7230	2.3	68	1.0	17-Sep	*82	63	30	57	32.8	19.9	71	1.8	25-Sep	33.1	19.9
G2	7243	2.4	66	1.0	17-Sep	75	65	33	55	34.1	19.6	--	--	--	--	--
G2	7250	2.5	*76	1.1	21-Sep	*92	*69	15	*63	32.2	19.8	*74	1.8	24-Sep	32.6	19.9
G2	1272	2.7	70	1.0	16-Sep	80	68	18	60	33.3	19.0	--	--	--	--	--
G2	7270	2.7	*72	1.0	20-Sep	80	*74	0	59	33.8	19.1	72	1.6	29-Sep	34.0	19.0
G2	7273	2.7	*77	1.1	21-Sep	*87	*75	13	*67	32.4	20.5	--	--	--	--	--
G2	7286	2.8	70	1.0	24-Sep	81	66	5	59	34.3	18.4	--	--	--	--	--
G2	7290	2.9	*71	1.0	23-Sep	77	67	5	*67	34.5	18.8	72	1.4	29-Sep	34.4	19.0
Hughes	201 RR	2.0	63	1.0	15-Sep	77	63	28	47	33.3	19.3	*75	1.6	22-Sep	34.2	19.3
Hughes	454 RR	2.4	65	1.0	17-Sep	79	64	23	49	33.6	18.9	73	1.8	27-Sep	34.6	18.7
Hughes	555 RR	2.5	68	1.1	17-Sep	*85	57	50	*61	34.0	18.6	*75	2.1	27-Sep	34.7	18.4
Hughes	777 RR	2.7	67	1.1	19-Sep	75	68	10	55	34.9	18.3	72	2.3	27-Sep	35.5	18.2
Jung	1225RR2	2.2	65	1.0	10-Sep	81	66	8	45	32.6	19.9	*76	1.7	20-Sep	34.0	19.2
Jung	1232RR2	2.3	69	1.0	16-Sep	*83	61	10	60	33.1	19.0	*74	1.5	23-Sep	33.6	18.8

Table 2. continued. Southern Region Glyphosate Tolerant Soybean Test: performance of commercial entries at three southern Wisconsin locations (3 of 4).

Originator/Brand	Entry	Maturity Group	2012 3-Test Average			2012 Yields				2012 Composition ²		2011 3-Test Average				
			Yield (bu/A)	Lodging (1-5)	Maturity (date)	Arlington (bu/A)	----Janesville ---- (bu/A)	(SM%) ¹	Lancaster (bu/A)	Protein (%)	Oil (%)	Yield (bu/A)	Lodging (1-5)	Maturity (date)	Protein (%)	Oil (%)
Legacy	LS-2412NRR2	2.4	70	1.0	12-Sep	*82	*69	5	57	33.1	18.7	--	--	--	--	--
Legacy	LS-2812NRR2	2.8	67	1.0	22-Sep	74	64	15	*62	34.9	17.9	--	--	--	--	--
Mark	MRK 2410 R2	2.4	67	1.0	17-Sep	78	61	43	*61	33.0	19.0	*79	1.7	22-Sep	34.0	18.9
Mycogen	5N210R2	2.1	66	1.0	12-Sep	80	63	23	49	32.6	19.9	73	1.8	20-Sep	34.3	19.1
Mycogen	5N234R2	2.3	69	1.0	15-Sep	*86	67	30	50	33.5	19.2	--	--	--	--	--
Mycogen	5N254R2	2.5	67	1.0	13-Sep	77	65	20	57	33.0	18.8	--	--	--	--	--
NK Brand	S20-Y2 Brand	2.0	58	1.0	7-Sep	63	64	13	42	32.8	19.9	*74	1.8	16-Sep	34.5	19.5
NK Brand	S23-P8 Brand	2.3	67	1.0	13-Sep	*82	63	40	52	32.9	20.0	--	--	--	--	--
NK Brand	S24-K2 Brand	2.4	*71	1.0	16-Sep	78	*72	33	*61	33.6	18.0	--	--	--	--	--
NK Brand	S25-T8 Brand	2.5	70	1.0	17-Sep	*87	61	40	60	32.7	19.4	*76	1.9	26-Sep	33.4	19.2
NK Brand	S27-H6 Brand	2.7	70	1.0	20-Sep	*84	62	38	*61	33.2	19.3	--	--	--	--	--
O'Brien	O'SOY170RR	1.7	60	1.0	14-Sep	75	60	20	39	34.0	18.9	--	--	--	--	--
O'Brien	O'SOY190R2Y	1.9	63	1.0	7-Sep	79	59	35	47	32.7	19.1	--	--	--	--	--
O'Brien	O'SOY250RR	2.5	69	1.0	18-Sep	*83	62	8	58	33.6	18.8	73	1.9	27-Sep	34.7	18.8
Pioneer	92Y22	2.2	65	1.0	16-Sep	73	*70	23	48	33.0	20.0	--	--	--	--	--
Pioneer	92Y32	2.3	62	1.0	16-Sep	71	60	25	52	32.8	19.7	--	--	--	--	--
Pioneer	92Y51	2.5	69	1.0	17-Sep	*84	*69	0	49	33.7	19.3	*76	1.7	25-Sep	34.3	19.2
Pioneer	92Y75	2.7	*71	1.0	22-Sep	79	*71	15	59	34.0	19.1	*75	1.9	1-Oct	33.9	18.9
Pioneer	92Y83	2.8	*71	1.0	24-Sep	78	*73	5	59	35.4	19.1	--	--	--	--	--
Power Plus	23Z1	2.3	67	1.0	18-Sep	78	62	43	59	32.9	19.9	73	1.8	24-Sep	33.3	19.7
Power Plus	25G3	2.5	69	1.0	19-Sep	77	67	10	*61	32.7	19.6	--	--	--	--	--
Renk	RS202NR2	2.0	62	1.0	9-Sep	76	61	13	45	32.3	19.0	*75	1.6	20-Sep	34.1	18.4
Renk	RS210NR2	2.0	67	1.0	15-Sep	81	61	20	56	32.6	20.1	--	--	--	--	--

Table 2. continued. Southern Region Glyphosate Tolerant Soybean Test: performance of commercial entries at three southern Wisconsin locations (4 of 4).

Originator/Brand	Entry	Maturity Group	2012 3-Test Average			2012 Yields				2012 Composition ²		2011 3-Test Average				
			Yield (bu/A)	Lodging (1-5)	Maturity (date)	Arlington (bu/A)	----Janesville ---- (bu/A)	(SM%) ¹	Lancaster (bu/A)	Protein (%)	Oil (%)	Yield (bu/A)	Lodging (1-5)	Maturity (date)	Protein (%)	Oil (%)
Renk	RS213NR2	2.1	67	1.0	11-Sep	78	68	5	52	32.5	19.9	--	--	--	--	--
Renk	RS241R2	2.4	*72	1.0	14-Sep	*85	67	15	60	32.6	19.1	*76	1.8	23-Sep	34.2	18.8
Renk	RS263NR2	2.6	69	1.2	18-Sep	80	*70	3	52	32.9	19.9	--	--	--	--	--
Steyer	2301 RR	2.3	68	1.0	19-Sep	*84	63	28	54	33.5	18.8	--	--	--	--	--
Steyer	2603 R2	2.6	*75	1.0	20-Sep	80	*76	0	*65	32.6	18.7	--	--	--	--	--
Trelay	20RR43	2.0	63	1.0	8-Sep	79	66	15	41	31.9	19.2	--	--	--	--	--
Trelay	21RR37	2.1	69	1.0	11-Sep	*82	67	10	54	32.4	19.9	*75	1.6	21-Sep	34.5	19.0
Trelay	23RR53	2.3	70	1.1	13-Sep	79	*71	0	56	33.7	18.5	--	--	--	--	--
Trelay	24RR19	2.4	*71	1.0	15-Sep	*83	*69	3	59	32.6	19.1	--	--	--	--	--
Trelay	25RR91	2.5	*74	1.0	17-Sep	80	*74	8	*65	34.0	18.8	--	--	--	--	--
Trelay	27RR03	2.7	*72	1.1	23-Sep	*84	65	0	*64	33.0	18.5	71	2.1	28-Sep	33.1	18.6
Mean			68	1.0	15-Sep	80	65	19	55	33.1	19.2	73	1.8	24-Sep	34.3	18.8
LSD(0.10)			7	0.1	3	10	8	25	7	0.4	0.3	5	0.4	3	0.6	0.3

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

¹ SM = Spider mite damage is expressed as a percent of damaged plants

² Protein and oil determinations collected at the Arlington site in 2012 and 2011.

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

Table 3. 2012 Central Region Glyphosate Tolerant Soybean Test: performance of commercial entries at three central Wisconsin locations (1 of 4).

Originator/Brand	Entry	Maturity Group	2012 3-Test Average			2012 Yields			2012 Composition ¹		2011 3-Test Average				
			Yield (bu/A)	Lodging (1-5)	Maturity (date)	Fond du Lac (bu/A)	Galesville (bu/A)	Hancock (bu/A)	Protein (%)	Oil (%)	Yield (bu/A)	Lodging (1-5)	Maturity (date)	Protein (%)	Oil (%)
Asgrow	AG 1832	1.8	*80	1.3	12-Sep	*72	*86	84	34.0	19.6	67	2.3	24-Sep	34.1	18.6
Asgrow	AG 1931	1.9	*80	1.3	10-Sep	71	82	86	33.6	19.2	69	2.3	18-Sep	35.0	18.2
Asgrow	AG 2031	2.0	*84	1.0	15-Sep	*73	*89	*89	34.2	19.6	67	1.8	23-Sep	33.9	19.0
Asgrow	AG 2232	2.2	*82	1.1	19-Sep	*76	83	86	34.1	19.4	--	--	--	--	--
Asgrow	AG 2431	2.4	*78	1.0	20-Sep	*76	*86	73	34.1	19.0	--	--	--	--	--
Asgrow	AG 2433	2.4	*83	1.0	20-Sep	71	*89	*89	34.2	19.1	--	--	--	--	--
Bio Gene	BG7200R2Y	1.9	*80	1.0	9-Sep	63	*87	*90	34.0	19.0	--	--	--	--	--
Channel	2105R2 Brand	2.1	*82	1.1	18-Sep	*75	*84	86	34.2	19.5	68	1.9	28-Sep	34.8	18.4
Croplan	R2C1531	1.5	*78	1.2	7-Sep	70	82	83	33.8	19.2	--	--	--	--	--
Croplan	R2C1671	1.6	72	1.0	7-Sep	61	72	83	34.2	18.9	--	--	--	--	--
Croplan	R2C1770	1.7	*79	1.0	13-Sep	66	*85	85	34.1	19.6	*74	1.8	22-Sep	33.5	19.1
Croplan	R2C1869	1.8	76	1.0	13-Sep	68	77	84	33.8	19.3	68	2.0	21-Sep	33.0	18.9
Croplan	R2C2070	2.0	*80	1.0	16-Sep	71	*84	86	34.3	19.6	*71	1.8	24-Sep	33.8	19.2
Croplan	R2C2120	2.1	*78	1.1	16-Sep	68	77	*88	33.5	19.8	*71	1.9	25-Sep	33.1	18.8
Dairyland	DSR-1215/R2Y	1.2	73	1.0	10-Sep	66	*84	68	34.7	18.4	69	1.8	18-Sep	33.1	18.5
Dairyland	DSR-1370/R2Y	1.3	69	1.0	8-Sep	64	75	69	34.3	18.7	--	--	--	--	--
Dairyland	DSR-1710/R2Y	1.7	71	1.0	5-Sep	61	76	76	34.4	18.8	--	--	--	--	--
Dairyland	DSR-1808/R2Y	1.8	*79	1.0	10-Sep	68	83	86	34.3	18.8	*71	1.8	20-Sep	33.0	18.8
Dairyland	DSR-2105/R2Y	2.1	*78	1.0	9-Sep	*72	79	83	33.6	19.7	69	1.9	23-Sep	33.0	18.8
Dairyland	DSR-2190/R2Y	2.1	76	1.0	15-Sep	70	78	79	33.4	19.5	--	--	--	--	--
Dairyland	DSR-2411/R2Y	2.4	*78	1.0	21-Sep	*75	*85	76	34.0	19.1	--	--	--	--	--

Table 3 continued. 2012 Central Region Glyphosate Tolerant Soybean Test: performance of commercial entries at three central Wisconsin locations (2 of 4).

Originator/Brand	Entry	Maturity Group	2012 3-Test Average			2012 Yields			2012 Composition ¹		2011 3-Test Average				
			Yield (bu/A)	Lodging (1-5)	Maturity (date)	Fond du Lac (bu/A)	Galesville (bu/A)	Hancock (bu/A)	Protein (%)	Oil (%)	Yield (bu/A)	Lodging (1-5)	Maturity (date)	Protein (%)	Oil (%)
Dyna-Gro	34RY17	1.7	*80	1.0	11-Sep	69	*85	84	34.8	19.3	*71	1.6	22-Sep	33.7	19.1
Dyna-Gro	S18RY33	1.8	75	1.0	9-Sep	62	81	83	34.0	18.9	--	--	--	--	--
Dyna-Gro	38B21	2.1	74	1.0	18-Sep	66	79	77	34.4	19.6	69	1.9	24-Sep	33.6	19.1
FS HiSOY	HS 20A22	1.9	*80	1.0	11-Sep	66	*86	86	34.3	18.9	--	--	--	--	--
FS HiSOY	HS 21A02	2.1	*80	1.0	15-Sep	70	79	*90	34.7	19.6	*72	1.8	22-Sep	34.1	19.2
FS HiSOY	HS 22A21	2.2	*82	1.0	17-Sep	*74	83	*89	34.2	18.7	--	--	--	--	--
FS HiSOY	HS 24A01	2.4	*78	1.0	19-Sep	*72	*86	77	34.2	18.9	--	--	--	--	--
FS HiSOY	HS 24A12	2.4	*81	1.0	20-Sep	71	*85	86	34.1	18.8	--	--	--	--	--
G2	6162	1.6	66	1.0	10-Sep	62	77	61	33.2	19.7	64	2.3	17-Sep	32.2	19.7
G2	7183	1.8	73	1.0	9-Sep	66	72	81	34.3	18.2	--	--	--	--	--
G2	7186	1.8	70	1.0	9-Sep	65	69	76	32.4	20.6	63	2.1	19-Sep	32.7	19.9
G2	1191	1.9	68	1.4	10-Sep	67	67	72	34.0	18.8	--	--	--	--	--
G2	7203	2.0	*77	1.0	12-Sep	70	75	86	34.4	19.2	--	--	--	--	--
G2	7208	2.0	70	1.0	17-Sep	67	65	76	33.9	19.8	65	2.0	24-Sep	35.2	18.4
G2	7213	2.1	*77	1.0	18-Sep	70	77	84	35.2	18.6	--	--	--	--	--
G2	7230	2.3	*77	1.1	21-Sep	*73	76	82	33.6	19.8	--	--	--	--	--
G2	7243	2.4	*80	1.1	22-Sep	*74	79	87	35.4	19.3	--	--	--	--	--
G2	7250	2.5	*80	1.0	22-Sep	*76	78	86	32.8	20.1	65	2.0	27-Sep	31.6	19.4
Jung	1170RR2	1.7	*81	1.2	11-Sep	*75	82	86	33.4	19.0	--	--	--	--	--
Jung	1201RR2	2.0	*81	1.0	15-Sep	*72	83	87	34.6	19.6	68	1.8	21-Sep	34.1	19.3
Jung	1212RR2	2.1	*83	1.2	14-Sep	*72	*84	*94	33.0	19.2	--	--	--	--	--
Jung	1225RR2	2.2	*77	1.0	14-Sep	66	80	84	33.7	19.9	67	1.8	24-Sep	32.9	19.1

Table 3 continued. 2012 Central Region Glyphosate Tolerant Soybean Test: performance of commercial entries at three central Wisconsin locations (3 of 4).

Originator/Brand	Entry	Maturity Group	2012 3-Test Average			2012 Yields			2012 Composition ¹		2011 3-Test Average				
			Yield (bu/A)	Lodging (1-5)	Maturity (date)	Fond du Lac (bu/A)	Galesville (bu/A)	Hancock (bu/A)	Protein (%)	Oil (%)	Yield (bu/A)	Lodging (1-5)	Maturity (date)	Protein (%)	Oil (%)
Legacy	LS-1710RR2	1.7	*81	1.0	10-Sep	68	*84	*90	34.5	19.5	*71	1.8	20-Sep	33.4	19.3
Legacy	LS-1942NRR2	1.9	74	1.0	11-Sep	70	72	81	33.6	19.2	--	--	--	--	--
Legacy	LS-2012NRR2	2.0	*80	1.0	10-Sep	69	83	87	34.2	18.9	--	--	--	--	--
Legend	17R20N	1.7	68	1.0	7-Sep	53	74	76	34.6	18.6	--	--	--	--	--
Legend	20R20N	2.0	*80	1.0	16-Sep	66	*85	*89	34.3	19.8	--	--	--	--	--
Legend	23R22N	2.3	*80	1.2	16-Sep	*75	71	*94	34.3	19.0	--	--	--	--	--
LG	C1917R2	1.9	*79	1.1	15-Sep	71	79	*88	34.5	19.5	67	1.7	25-Sep	33.9	19.2
LG	C2050R2	2.0	*79	1.1	16-Sep	*75	77	86	35.5	19.0	--	--	--	--	--
Mark	MRK 2410 R2	2.4	76	1.1	22-Sep	*75	*85	67	33.7	19.1	*73	2.1	29-Sep	34.1	18.1
Mycogen	5N155R2	1.5	*77	1.0	8-Sep	67	81	84	34.2	19.0	--	--	--	--	--
Mycogen	5N180R2	1.8	72	1.1	9-Sep	61	75	81	34.6	18.7	67	1.6	17-Sep	33.3	18.4
Mycogen	5N205R2	2.0	*80	1.0	19-Sep	71	79	*90	34.4	19.7	69	2.0	23-Sep	33.8	19.1
NK Brand	S18-C2 Brand	1.8	76	1.1	13-Sep	*74	72	83	33.7	19.3	--	--	--	--	--
NK Brand	S20-Y2 Brand	2.0	*83	1.0	14-Sep	*73	83	*91	34.3	19.6	68	1.8	23-Sep	33.8	19.3
NK Brand	S23-P8 Brand	2.3	*82	1.0	18-Sep	69	*86	*90	34.1	19.8	--	--	--	--	--
NK Brand	S24-K2 Brand	2.4	76	1.1	21-Sep	71	*87	69	33.9	18.4	--	--	--	--	--
O'Brien	O'SOY170RR	1.7	69	1.0	13-Sep	66	62	79	35.0	18.8	--	--	--	--	--
O'Brien	O'SOY190R2Y	1.9	76	1.2	11-Sep	*73	73	81	34.0	19.1	--	--	--	--	--
Pioneer	92Y12	2.1	68	1.0	17-Sep	71	69	64	34.8	19.2	65	1.8	25-Sep	33.8	18.4
Pioneer	92Y22	2.2	*77	1.0	15-Sep	*74	76	82	33.5	20.1	--	--	--	--	--
Pioneer	92Y32	2.3	74	1.0	19-Sep	71	70	80	33.5	19.6	--	--	--	--	--
Pioneer	92Y51	2.5	*78	1.0	22-Sep	*74	76	84	34.6	19.6	64	1.7	1-Oct	33.3	18.6

Table 3 continued. 2012 Central Region Glyphosate Tolerant Soybean Test: performance of commercial entries at three central Wisconsin locations (4 of 4).

Originator/Brand	Entry	Maturity Group	2012 3-Test Average			2012 Yields			2012 Composition ¹		2011 3-Test Average				
			Yield (bu/A)	Lodging (1-5)	Maturity (date)	Fond du Lac (bu/A)	Galesville (bu/A)	Hancock (bu/A)	Protein (%)	Oil (%)	Yield (bu/A)	Lodging (1-5)	Maturity (date)	Protein (%)	Oil (%)
Renk	RS172NR2	1.7	*79	1.0	13-Sep	69	82	85	34.0	19.6	69	1.7	22-Sep	33.1	19.3
Renk	RS183NR2	1.8	*79	1.0	14-Sep	64	*86	86	34.4	18.8	--	--	--	--	--
Renk	RS202NR2	2.0	*81	1.2	16-Sep	*74	83	86	33.1	19.2	*71	1.8	18-Sep	33.5	18.2
Renk	RS210NR2	2.0	*79	1.0	19-Sep	71	83	83	33.8	19.8	69	1.8	25-Sep	33.0	19.0
Renk	RS213NR2	2.1	*83	1.0	19-Sep	*77	83	*89	33.7	19.9	--	--	--	--	--
Renk	RS241R2	2.4	76	1.0	19-Sep	*74	82	70	33.7	19.2	*72	2.3	30-Sep	34.0	18.2
Renk	RS263NR2	2.6	*81	1.1	18-Sep	*76	77	*91	33.7	20.1	--	--	--	--	--
Steyer	1611 R2	1.6	*84	1.0	10-Sep	70	*88	*95	34.3	19.5	68	1.4	22-Sep	33.4	19.4
Steyer	1803 R2	1.8	74	1.1	12-Sep	70	69	84	34.0	19.1	--	--	--	--	--
Steyer	1901 RR	1.9	73	1.0	17-Sep	71	80	67	34.7	19.2	--	--	--	--	--
Steyer	2003 R2	2.0	*79	1.0	15-Sep	63	*86	86	34.0	19.0	--	--	--	--	--
Trelay	19RR59	1.9	*81	1.0	15-Sep	70	83	*90	34.3	19.7	--	--	--	--	--
Trelay	20RR43	2.0	*80	1.3	16-Sep	71	82	*88	33.2	19.1	*71	1.8	22-Sep	33.3	18.3
Trelay	21RR37	2.1	*79	1.0	17-Sep	69	*84	84	34.0	19.7	69	1.8	23-Sep	32.6	19.1
Trelay	23RR53	2.3	73	1.2	21-Sep	*77	81	61	33.8	19.0	--	--	--	--	--
Trelay	24RR19	2.4	75	1.3	19-Sep	70	*84	70	33.7	19.3	69	2.0	29-Sep	34.0	18.1
Mean			77	1.0	14-Sep	70	80	82	34.1	19.3	67	1.9	23-Sep	33.4	18.8
LSD(0.10)			7	0.2	4	5	5	7	0.4	0.2	4	0.6	4	0.7	0.3

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

¹ Protein and Oil determinations collected at the Fond du Lac site in 2012 and Galesville site in 2011.

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

Table 4. 2012 North Central Region Glyphosate Tolerant Soybean Test: performance of commercial entries at three north central Wisconsin locations (1 of 3).

Originator/Brand	Entry	Maturity Group	2012 3-Test Average			2012 Yields			2012 Composition ¹		2011 3-Test Average				
			Yield (bu/A)	Lodging (1-5)	Maturity (date)	Chippewa Falls (bu/A)	Marshfield (bu/A)	Seymour (bu/A)	Protein (%)	Oil (%)	Yield (bu/A)	Lodging (1-5)	Maturity (date)	Protein (%)	Oil (%)
Asgrow	AG 1233	1.2	53	1.0	12-Sep	46	41	72	35.1	18.7	--	--	--	--	--
Asgrow	AG 1431	1.4	*58	1.0	10-Sep	47	*48	79	35.2	19.0	*63	2.2	30-Sep	35.2	18.0
Asgrow	AG 1631	1.6	*58	1.0	16-Sep	*50	45	78	34.6	19.2	--	--	--	--	--
Asgrow	AG 1733	1.7	*57	1.0	16-Sep	*52	40	79	34.0	19.4	--	--	--	--	--
Bio Gene	BG7140RR2Y	1.4	56	1.0	13-Sep	49	42	78	35.2	18.5	*60	1.8	27-Sep	34.6	17.4
Channel	1405R2 Brand	1.4	56	1.0	13-Sep	48	43	75	35.4	19.1	*62	2.1	1-Oct	35.3	17.8
Channel	1805R2 Brand	1.8	54	1.0	15-Sep	44	43	76	35.3	19.3	*64	2.2	3-Oct	35.0	17.8
Croplan	R2C1531	1.5	*58	1.0	13-Sep	*55	43	75	35.7	18.8	--	--	--	--	--
Croplan	R2C1671	1.6	53	1.0	16-Sep	49	41	69	36.0	18.3	--	--	--	--	--
Croplan	R2C1770	1.7	*59	1.0	14-Sep	*51	41	*86	36.4	18.5	*61	1.8	1-Oct	35.7	17.4
Croplan	R2C1869	1.8	*59	1.0	15-Sep	*55	40	*84	35.0	18.6	58	1.8	2-Oct	34.1	17.5
Croplan	R2C2070	2.0	55	1.0	21-Sep	44	38	*83	35.4	19.2	*62	2.0	4-Oct	34.9	17.9
Croplan	R2C2120	2.1	55	1.0	21-Sep	48	36	*81	34.5	18.8	58	1.8	6-Oct	33.9	17.8
Dairyland	DSR-0747/R2Y	0.7	53	1.0	6-Sep	*53	38	68	34.8	19.0	--	--	--	--	--
Dairyland	DSR-0904/R2Y	0.8	*57	1.0	8-Sep	49	*47	74	34.5	19.5	--	--	--	--	--
Dairyland	DSR-1215/R2Y	1.2	*59	1.0	13-Sep	*50	*46	*82	35.2	18.3	--	--	--	--	--
Dairyland	DSR-1370/R2Y	1.3	56	1.0	13-Sep	49	41	77	35.4	18.4	--	--	--	--	--
Dairyland	DSR-1710/R2Y	1.7	*58	1.0	16-Sep	*53	41	*80	36.5	17.9	--	--	--	--	--
Dairyland	DSR-1808/R2Y	1.8	*57	1.0	17-Sep	49	42	*80	34.9	18.6	57	1.9	27-Sep	33.9	17.5
Dyna-Gro	S13RY83	1.3	*57	1.0	12-Sep	46	42	*84	35.0	18.4	--	--	--	--	--
Dyna-Gro	S15RY53	1.5	55	1.0	16-Sep	40	45	79	35.6	19.1	--	--	--	--	--
G2	6088	0.8	54	1.0	7-Sep	49	42	72	35.9	19.0	58	1.2	14-Sep	35.1	17.7

Table 4 continued. 2012 North Central Region Glyphosate Tolerant Soybean Test: performance of commercial entries at three north central Wisconsin locations (2 of 3).

Originator/Brand	Entry	Maturity Group	2012 3-Test Average			2012 Yields			2012 Composition ¹		2011 3-Test Average				
			Yield (bu/A)	Lodging (1-5)	Maturity (date)	Chippewa Falls (bu/A)	Marshfield (bu/A)	Seymour (bu/A)	Protein (%)	Oil (%)	Yield (bu/A)	Lodging (1-5)	Maturity (date)	Protein (%)	Oil (%)
G2	6092	0.9	50	1.0	8-Sep	43	39	68	34.7	19.7	*59	2.3	16-Sep	34.9	18.0
G2	6098	0.9	*57	1.0	7-Sep	*54	*46	72	33.5	19.4	--	--	--	--	--
G2	6143	1.4	56	1.0	8-Sep	*50	44	75	34.8	18.9	--	--	--	--	--
G2	6162	1.6	*57	1.0	13-Sep	*50	45	77	34.2	19.5	56	1.9	27-Sep	34.3	18.0
G2	7183	1.8	54	1.0	14-Sep	47	44	70	34.9	18.3	--	--	--	--	--
G2	7186	1.8	54	1.0	13-Sep	48	40	73	34.6	19.6	--	--	--	--	--
Jung	1146RR2	1.4	*57	1.0	16-Sep	46	*46	78	34.8	18.6	--	--	--	--	--
Jung	1152RR2	1.5	*61	1.0	11-Sep	*52	*51	*82	35.3	19.1	--	--	--	--	--
Jung	1170RR2	1.7	*58	1.0	15-Sep	47	45	*83	35.2	19.0	--	--	--	--	--
Legacy	LS-0611RR2	0.6	53	1.0	5-Sep	*52	45	63	33.6	19.4	--	--	--	--	--
Legacy	LS-0710RR2	0.7	51	1.0	7-Sep	46	41	67	34.9	18.9	*61	2.0	13-Sep	35.0	17.4
Legacy	LS-0911RR2	1.0	53	1.0	7-Sep	47	41	72	34.5	19.0	*61	2.3	16-Sep	35.1	17.4
Legacy	LS-1321RR2	1.3	*57	1.0	12-Sep	*50	43	78	35.1	18.4	*60	2.1	26-Sep	34.6	17.0
Legacy	LS-1531RR2	1.5	56	1.0	13-Sep	49	44	75	34.0	19.2	*59	1.6	23-Sep	34.0	17.5
Legacy	LS-1710RR2	1.7	*59	1.0	14-Sep	*52	40	*83	36.4	18.8	58	1.7	1-Oct	35.7	17.3
Legacy	LS-1942NRR2	1.9	*58	1.0	16-Sep	*50	44	79	35.7	18.3	--	--	--	--	--
Legend	08R22N	0.8	*58	1.0	9-Sep	*52	45	77	34.4	19.5	--	--	--	--	--
Legend	15R22N	1.5	*57	1.0	13-Sep	49	*46	76	35.3	19.1	--	--	--	--	--
Legend	17R20N	1.7	56	1.0	18-Sep	*50	42	75	36.0	18.1	--	--	--	--	--
LG	C1530R2	1.5	*59	1.0	13-Sep	44	*47	*86	35.1	19.5	--	--	--	--	--
Mycogen	5N110R2	1.1	51	1.0	6-Sep	44	41	66	34.2	19.1	--	--	--	--	--
Mycogen	5N130R2	1.3	*60	1.0	15-Sep	*52	*48	*80	34.7	18.7	*62	1.9	27-Sep	34.3	17.3

Table 4 continued. 2012 North Central Region Glyphosate Tolerant Soybean Test: performance of commercial entries at three north central Wisconsin locations (3 of 3).

Originator/Brand	Entry	Maturity Group	2012 3-Test Average			2012 Yields			2012 Composition ¹		2011 3-Test Average				
			Yield (bu/A)	Lodging (1-5)	Maturity (date)	Chippewa Falls (bu/A)	Marshfield (bu/A)	Seymour (bu/A)	Protein (%)	Oil (%)	Yield (bu/A)	Lodging (1-5)	Maturity (date)	Protein (%)	Oil (%)
NK Brand	S12-L5 Brand	1.2	*57	1.0	8-Sep	*51	45	74	33.8	19.2	--	--	--	--	--
NK Brand	S15-L5 Brand	1.5	47	1.0	16-Sep	39	36	67	35.5	19.0	54	2.1	29-Sep	34.8	17.9
NK Brand	S18-C2 Brand	1.8	54	1.0	14-Sep	45	40	78	36.0	18.0	--	--	--	--	--
Pioneer	90Y90	0.9	54	1.0	6-Sep	46	45	71	35.0	19.1	--	--	--	--	--
Pioneer	91Y10	1.1	50	1.0	10-Sep	44	42	63	34.7	18.8	--	--	--	--	--
Pioneer	91Y30	1.3	54	1.0	12-Sep	44	45	74	34.1	19.2	--	--	--	--	--
Pioneer	91Y41	1.4	54	1.0	10-Sep	45	43	75	34.3	19.1	*59	2.3	22-Sep	34.0	17.9
Pioneer	91Y74	1.7	51	1.0	11-Sep	41	44	68	35.5	19.2	--	--	--	--	--
Renk	RS082R2	0.8	55	1.0	8-Sep	48	44	73	34.4	19.0	*60	1.6	19-Sep	35.1	17.4
Renk	RS107RR	1.0	56	1.0	11-Sep	47	*48	72	35.2	19.0	--	--	--	--	--
Renk	RS122R2	1.2	*58	1.0	14-Sep	*51	*48	74	35.8	18.6	*61	2.2	26-Sep	36.0	17.4
Renk	RS140NR2	1.4	*58	1.0	12-Sep	*51	*47	77	34.5	18.9	*59	2.1	24-Sep	35.2	17.1
Renk	RS153NR2	1.5	56	1.0	16-Sep	44	45	78	35.0	19.6	--	--	--	--	--
Renk	RS172NR2	1.7	*60	1.0	16-Sep	*53	42	*85	36.3	19.0	*60	1.7	28-Sep	35.6	17.5
Renk	RS183NR2	1.8	*61	1.0	16-Sep	*55	45	*84	34.8	18.7	--	--	--	--	--
Steyer	1403 R2	1.4	56	1.0	11-Sep	*50	44	73	37.1	17.5	--	--	--	--	--
Steyer	1611 R2	1.6	*60	1.0	19-Sep	*53	45	*84	36.0	18.9	56	1.3	30-Sep	35.4	17.5
Trelay	15RR51	1.5	*62	1.0	12-Sep	*56	*50	*80	35.4	19.1	*61	1.4	25-Sep	35.9	17.3
Mean			56	1.0	12-Sep	49	43	76	35.1	18.9	58	1.9	26-Sep	35.1	17.5
LSD(0.10)			5	NS	3	6	6	6	0.5	0.4	5	0.5	5	0.4	0.2

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

¹ Protein and Oil determinations collected at the Marshfield site in 2012 and 2011.

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

Table 5. 2012 Northern Region Glyphosate Tolerant Soybean Test: performance of commercial entries at three northern Wisconsin locations.

Originator/Brand	Entry	Maturity Group	2012 3-Test Average			2012 Yields			2012 Composition ¹		2011 3-Test Average				
			Yield (bu/A)	Lodging (1-5)	Maturity (date)	Marshfield (bu/A)	Spooner Dryland (bu/A)	Spooner Irrigated (bu/A)	Protein (%)	Oil (%)	Yield (bu/A)	Lodging (1-5)	Maturity (date)	Protein (%)	Oil (%)
Asgrow	AG 0832	0.8	*44	1.0	5-Sep	*42	*43	*48	34.9	19.6	*50	1.0	24-Sep	34.2	19.5
Asgrow	AG 0833	0.8	37	1.0	10-Sep	40	37	33	34.7	19.0	--	--	--	--	--
Asgrow	AG 1031	1.0	*43	1.0	6-Sep	*44	40	*45	36.0	18.4	46	1.0	26-Sep	34.7	18.5
Asgrow	AG 1233	1.2	*43	1.0	10-Sep	*46	41	*44	35.0	18.6	--	--	--	--	--
Asgrow	AG 1431	1.4	*43	1.0	4-Sep	41	*45	*44	35.4	19.3	--	--	--	--	--
Bio Gene	BG1300R2Y	1.3	*45	1.0	9-Sep	*46	*46	*44	35.2	18.3	--	--	--	--	--
Croplan	R2T0860	0.8	41	1.0	9-Sep	*42	*42	40	34.9	18.8	--	--	--	--	--
Croplan	R2T1391	1.3	*44	1.0	9-Sep	*43	*45	*44	35.4	18.3	--	--	--	--	--
Croplan	R2T1470	1.4	*45	1.0	7-Sep	*43	*47	*45	35.6	18.0	*53	1.3	28-Sep	34.0	18.7
Dairyland	DSR-0606/R2Y	0.6	*43	1.0	14-Sep	*47	41	40	33.7	19.5	--	--	--	--	--
Dairyland	DSR-0747/R2Y	0.7	42	1.1	7-Sep	*43	*43	40	34.8	18.9	--	--	--	--	--
Dairyland	DSR-0904/R2Y	0.8	*44	1.0	15-Sep	*48	*42	41	34.5	19.4	--	--	--	--	--
Legacy	LS-0611RR2	0.6	40	1.0	16-Sep	41	40	39	34.2	19.2	--	--	--	--	--
Legacy	LS-0710RR2	0.7	40	1.0	7-Sep	*43	37	41	34.6	19.1	44	1.3	18-Sep	34.5	18.2
Mycogen	5N090R2	0.9	*43	1.0	15-Sep	*42	*43	*43	35.1	19.2	--	--	--	--	--
NK Brand	S08-G1 Brand	0.8	40	1.0	9-Sep	*43	38	39	34.7	18.8	--	--	--	--	--
NK Brand	S10-G7 Brand	1.0	*47	1.0	8-Sep	*47	*48	*45	34.6	18.7	47	1.5	29-Sep	34.3	19.1
Pioneer	90Y90	0.9	39	1.0	8-Sep	*43	40	34	35.1	19.0	42	1.0	17-Sep	34.8	18.9
Pioneer	91Y01	1.0	*45	1.3	11-Sep	*48	*44	*44	33.8	19.4	--	--	--	--	--
Renk	RS082R2	0.8	41	1.0	8-Sep	41	*42	42	34.8	18.9	47	1.0	19-Sep	34.1	19.0
Renk	RS107RR	1.0	42	1.0	8-Sep	*45	40	40	35.3	19.1	--	--	--	--	--
Mean			42	1.0	9-Sep	44	42	42	34.9	18.9	45	1.2	19-Sep	34.3	18.8
LSD(0.10)			3	0.2	2	6	7	5	0.4	0.3	5	0.5	4	0.6	0.4

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

¹ Protein and Oil determinations collected at the Marshfield site in 2012 and Sturgeon Bay site 2011.

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

Table 6. 2012 Southern Conventional and Traited Herbicide Soybean Test: performance of public and commercial entries at two southern Wisconsin locations (1 of 2).

Originator/Brand	Entry	Maturity Group	Herbicide Tolerance ¹	2012 2-Test Average					2012 Yields		2011 2-Test Average				
				Yield (bu/A)	Lodging (1-5)	Maturity (date)	Protein (%)	Oil (%)	Arlington (bu/A)	Lancaster (bu/A)	Yield (bu/A)	Lodging (1-5)	Maturity (date)	Protein (%)	Oil (%)
Blue River	2A12	2.1	CN	61	1.0	13-Sep	34.7	18.3	77	40	63	1.3	22-Sep	35.9	17.8
Blue River	23C2	2.3	CN	60	1.4	21-Sep	32.4	19.7	68	49	--	--	--	--	--
Blue River	2A71	2.7	CN	64	1.3	21-Sep	34.4	18.6	75	49	64	1.6	4-Oct	35.7	17.5
Croplan	R2C2120	2.1	RR2	60	1.0	11-Sep	33.5	19.4	75	41	--	--	--	--	--
Dairyland	DSR-2411/R2Y	2.4	RR2	*71	1.0	17-Sep	33.4	19.1	*84	*53	--	--	--	--	--
eMerge	e2062	2.0	CN	61	1.0	12-Sep	35.8	19.0	75	41	--	--	--	--	--
eMerge	e2162	2.1	CN	59	1.0	10-Sep	35.9	18.0	75	39	--	--	--	--	--
eMerge	XC2282	2.2	CN	61	1.0	14-Sep	35.2	18.4	74	44	--	--	--	--	--
FS HiSOY	HS 24A01	2.4	RR2	*69	1.0	17-Sep	33.5	19.1	*81	*52	--	--	--	--	--
NuTech	3223L	2.2	LL	*68	1.1	23-Sep	34.3	18.7	77	*55	--	--	--	--	--
NuTech	3243L	2.4	LL	*70	1.0	23-Sep	33.7	18.6	*80	*56	--	--	--	--	--
NuTech	242CN	2.4	CN	*65	1.1	20-Sep	31.8	19.7	*78	47	--	--	--	--	--
NuTech	3248L	2.6	LL	*72	1.1	23-Sep	32.6	19.8	*84	*55	*71	2.0	2-Oct	33.7	18.9
NuTech	3273L	2.7	LL	*66	1.0	23-Sep	33.8	19.0	*79	49	--	--	--	--	--
NuTech	270CN	2.7	CN	61	1.4	22-Sep	32.9	18.8	69	50	--	--	--	--	--
Pioneer	92Y51	2.5	RR1	63	1.0	19-Sep	34.0	19.6	76	46	--	--	--	--	--
PIP	232 LL	2.3	LL	*71	1.1	23-Sep	33.9	18.5	*84	*55	--	--	--	--	--
Public	Ashtabula	0.4	CN	37	1.0	28-Aug	35.6	19.4	49	22	--	--	--	--	--
Public	Sheyenne	0.8	CN	47	1.0	31-Aug	33.5	19.1	62	26	--	--	--	--	--
Public	MN 1410	1.4	CN	54	1.0	3-Sep	34.9	18.8	67	38	60	1.9	15-Sep	35.2	18.8
Public	IA 1006	1.6	CN	51	1.0	8-Sep	34.1	18.5	65	33	57	2.3	16-Sep	34.6	18.5
Public	IA 1022	1.7	CN	62	1.0	12-Sep	32.0	20.3	*78	42	*73	2.1	24-Sep	32.5	20.0
Public	W04-338	2.3	CN	56	1.1	20-Sep	34.8	18.3	68	40	--	--	--	--	--
Renk	RS202NR2	2.0	RR2	63	1.0	10-Sep	33.2	18.8	*81	40	--	--	--	--	--

Table 6 continued. 2012 Southern Conventional and Traited Herbicide Soybean Test: performance of public and commercial entries at two southern Wisconsin locations (2 of 2).

Originator/Brand	Entry	Maturity Group	Herbicide Tolerance ¹	2012 2-Test Average					2012 Yields		2011 2-Test Average				
				Yield (bu/A)	Lodging (1-5)	Maturity (date)	Protein (%)	Oil (%)	Arlington (bu/A)	Lancaster (bu/A)	Yield (bu/A)	Lodging (1-5)	Maturity (date)	Protein (%)	Oil (%)
Tracy	1813LL	1.8	LL	63	1.0	14-Sep	34.1	18.6	*82	40	--	--	--	--	--
Tracy	2213LL	2.2	LL	*67	1.4	23-Sep	34.2	18.7	*80	49	--	--	--	--	--
Tracy	2513LL	2.5	LL	*70	1.1	23-Sep	33.8	18.5	*84	51	--	--	--	--	--
Tracy	2813LL	2.8	LL	*67	1.0	24-Sep	33.5	19.1	*78	51	--	--	--	--	--
Viking	0.1955AT	1.9	CN	55	1.1	17-Sep	34.0	18.9	74	31	--	--	--	--	--
Viking	0.2265	2.2	CN	63	1.0	18-Sep	33.6	18.7	*82	39	66	1.9	26-Sep	34.5	18.5
Viking	0.2620AT12	2.6	CN	60	1.1	26-Sep	36.2	17.7	72	44	--	--	--	--	--
Mean				62	1.1	16-Sep	34.0	18.9	75	44	66	1.7	25-Sep	34.5	18.5
LSD(0.10)				7	0.3	6	0.9	0.5	6	5	8	0.7	3	0.5	0.3

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

¹ Herbicide Tolerance : CN = conventional herbicide, LL = Liberty herbicide, RR1/RR2 = glyphosate herbicide, STS = sulfonyleurea herbicide.

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

Table 7. 2012 North Central Conventional and Traited Herbicide Soybean Test: performance of public and commercial entries at Marshfield, Wisconsin (1 of 2).

Originator/Brand	Entry	Maturity Group	Herbicide Tolerance ¹	2012					2011				
				Yield (bu/A)	Lodging (1-5)	Maturity (date)	Protein (%)	Oil (%)	Yield (bu/A)	Lodging (1-5)	Maturity (date)	Protein (%)	Oil (%)
Blue River	06F8	0.6	CN	*45	1.0	8-Sep	33.5	19.7	57	4.5	28-Sep	35.3	18.2
Blue River	12A2	1.2	CN	*48	1.0	17-Sep	34.7	18.7	--	--	--	--	--
Blue River	17C2	1.7	CN	42	1.0	21-Sep	35.4	18.5	--	--	--	--	--
Channel	1805R2 Brand	1.8	RR2	*43	1.0	17-Sep	35.5	18.7	--	--	--	--	--
G2	6092	0.9	RR1	*44	1.0	13-Sep	34.7	19.6	--	--	--	--	--
Legacy	LS-0911RR2	1.0	RR2	*45	1.0	10-Sep	34.8	19.0	--	--	--	--	--
Legacy	LS-142LL	1.4	LL	42	1.0	21-Sep	35.6	18.6	--	--	--	--	--
Legacy	LS-182LL	1.8	LL	41	1.0	17-Sep	35.5	18.5	--	--	--	--	--
Legacy	LS-202LL	2.0	LL	40	1.0	21-Sep	35.1	18.6	--	--	--	--	--
NuTech	2088L	0.8	LL	*43	1.0	10-Sep	34.8	19.8	--	--	--	--	--
NuTech	3103L	1.0	LL	*43	1.0	13-Sep	35.6	19.1	--	--	--	--	--
NuTech	3153L	1.5	LL	*44	1.0	21-Sep	36.4	18.3	--	--	--	--	--
NuTech	3183L	1.8	LL	42	1.0	17-Sep	35.3	18.4	--	--	--	--	--
NuTech	202	2.0	CN	*43	1.0	21-Sep	35.2	19.0	--	--	--	--	--
Pioneer	91Y41	1.4	RR1	*44	1.0	13-Sep	35.3	19.0	--	--	--	--	--
PIP	142 LL	1.4	LL	*45	1.0	21-Sep	35.6	18.7	--	--	--	--	--
Public	Ashtabula	0.4	CN	39	1.0	8-Sep	32.5	20.5	60	2.8	26-Sep	33.7	19.2
Public	Sheyenne	0.8	CN	*46	1.0	8-Sep	33.2	19.8	67	2.5	28-Sep	34.4	18.5
Public	MN 1410	1.4	CN	42	1.0	13-Sep	35.6	18.6	35	3.5	3-Oct	35.5	18.3
Public	IA 1006	1.6	CN	39	1.0	13-Sep	34.6	18.7	58	3.8	6-Oct	34.6	17.7
Public	IA 1022	1.7	CN	*44	1.0	17-Sep	33.9	19.6	58	3.5	7-Oct	34.2	18.4
Tracy	1113LL	1.1	LL	*43	1.0	13-Sep	35.8	19.1	--	--	--	--	--
Tracy	1413LL	1.4	LL	*46	1.0	17-Sep	36.4	18.3	--	--	--	--	--
Tracy	1813LL	1.8	LL	*43	1.0	17-Sep	35.4	18.7	--	--	--	--	--
Trelay	15RR51	1.5	RR2	*43	1.0	13-Sep	35.1	18.9	--	--	--	--	--

Table 7 continued. 2012 North Central Conventional and Traited Herbicide Soybean Test: performance of public and commercial entries at Marshfield, Wisconsin (2 of 2).

Originator/Brand	Entry	Maturity Group	Herbicide Tolerance ¹	2012					2011				
				Yield (bu/A)	Lodging (1-5)	Maturity (date)	Protein (%)	Oil (%)	Yield (bu/A)	Lodging (1-5)	Maturity (date)	Protein (%)	Oil (%)
Viking	Sheyenne	0.8	CN	*46	1.0	8-Sep	32.9	19.9	--	--	--	--	--
Viking	0.1544AT	1.4	CN	41	1.0	10-Sep	36.0	18.3	--	--	--	--	--
Viking	1718N	1.7	CN	*43	1.0	21-Sep	35.0	18.9	58	3.8	2-Oct	35.5	17.3
Mean				43	1.0	14-Sep	35.0	19.0	62	2.9	2-Oct	35.4	17.7
LSD(0.10)				5	NS	-	1.1	0.5	4	0.6	-	0.4	0.2

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

¹ Herbicide Tolerance : CN = conventional herbicide, LL = Liberty herbicide, RR1/RR2 = glyphosate herbicide, STS = sulfonylurea herbicide.

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

Table 8. 2012 Soybean White Mold Test: performance of commercial entries in white mold disease field environment at Arlington, Wisconsin.

Originator/Brand	Entry	Maturity Group	2012			2011			
			Yield (bu/A)	White Mold ¹ (%)	Lodging (1-5)	Yield (bu/A)	White Mold (%)	Stand ² (%)	Lodging (1-5)
Channel	1805R2 Brand	1.8	49	0	1.0	--	--	--	--
Croplan	R2C2120	2.1	*53	0	1.0	--	--	--	--
Dairyland	DSR-2411/R2Y	2.4	*53	0	1.0	*75	4	83	1.0
FS HiSOY	HS 20A22	1.9	*50	0	1.0	--	--	--	--
FS HiSOY	HS 21A02	2.1	*50	0	1.0	69	6	68	1.0
FS HiSOY	HS 22A21	2.2	*51	0	1.0	--	--	--	--
FS HiSOY	HS 24A01	2.4	*54	0	1.0	*74	8	93	1.0
FS HiSOY	HS 24A12	2.4	*51	0	1.0	69	9	68	1.0
FS HiSOY	HS 25A22	2.5	*51	0	1.0	--	--	--	--
G2	6092	0.9	43	0	1.0	--	--	--	--
Mark	MRK 2410 R2	2.4	48	0	1.0	--	--	--	--
Pioneer	90Y90	0.9	42	0	1.0	59	3	53	1.0
Pioneer	91M01	1.0	34	0	1.0	55	1	45	1.0
Pioneer	92Y51	2.5	46	0	1.0	63	5	48	1.0
Renk	RS202NR2	2.0	45	0	1.0	--	--	--	--
Trelay	15RR51	1.5	44	0	1.0	--	--	--	--
Mean			48	0	1.0	68	6	66	1.1
LSD(0.10)			4	NS	NS	5	7	14	0.3

* Yields preceded by an asterisk 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 collected on June 17, 2011 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. 2012 Seed Source for Soybean Entries

Brand Name	Company	Address	City	State	Zip Code	Phone Number	Website
Asgrow	Monsanto Company	800 N. Linbergh Blvd.	St. Louis	MO	63137	(815)754-4809	www.asgrowanddekalb.com
Bio Gene	Van Treeck's 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	1525 Mc Allister Ct.	Sycamore	IL	60178	(314) 409-7466	www.channel.com
Croplan	Winfield Solutions	W 14024 West Point Drive	Prairie Du Sac	WI	53578	(608) 516-4636	www.answerplot.com
Dairyland	Dairyland Seed Company Inc.	PO Box 958, 3570 Hwy. H	West Bend	WI	53095	(800) 236-0163	www.dairylandseed.com
Dyna-Gro	Dyna-Gro Seed	519 Midland Court, Suite 2	Janesville	WI	53546	(608) 752-2633	www.dynagroseed.com
eMerge	Schillinger Genetics	4401 Westown Parkway Suite 225	West Des Moines	IA	50266	(515) 225-6164	www.emergegenetics.com
FS Hisoy	Growmark Inc.	1701 Towanda Ave.	Bloomington	IL	61701	(309) 557-6399	www.fsseed.com
G2	NuTech Seed LLC	2321 North Loop Drive, Suites 230	Ames	IA	50010	(515) 232-1997	www.yieldleader.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	(920) 326-5891	www.jungseedgenetics.com
Legacy	Legacy Seeds Inc.	290 Depot Street P.O. Box 68	Scandinavia	WI	54977	(715) 412-2588	www.legacyseeds.com
Legend	Legend Seeds	PO Box 241	De Smet	SD	57231	(715) 821-0907	www.legendseeds.net
LG	LG Seeds	22827 Shissler Road	Elmwood	IL	61529	(507) 301-5498	www.lgseeds.com
Mark	Partners in Production, LLC	200 DelMonte Road	Arlington	WI	53911	(608) 635-3825	www.pipseeds.com
Mycogen	Mycogen Seeds	1413 Jensen Road	Eau Claire	WI	54701	(715) 210-2788	www.mycogen.com
NK Brand	Syngenta	W5323 Hall Rd	Poynette	WI	53955	(608) 635-5108	www.nk.com
NuTech	NuTech Seed LLC	2321 North Loop Drive, Suites 230	Ames	IA	50010	(515) 232-1997	www.yieldleader.com
O'Brien	O'Brien Farms, Inc.	552 Glenway Rd.	Brooklyn	WI	53521	(608) 576-3685	--
Pioneer	DuPont Pioneer	151 St. Andrews Court, Suite 910	Mankato	MN	56001	(507) 625-3045	www.pioneer.com
PIP	Partners in Production, LLC	200 DelMonte Road	Arlington	WI	53911	(608) 635-3825	www.pipseeds.com
Power Plus	Burrus Bros & Associated Growers	206 N. Hughes Rd.	Woodstock	IL	60098	(815) 338-2480	www.hugheshybrids.com
Public	WCIA / Foundation Seeds	1575 Linden Drive	Madison	WI	53706	(608) 262-1341	wcia.wisc.edu
Renk	Renk Seed	6809 Wilburn Rd.	Sun Prairie	WI	53590	(608) 837-7351	www.renkseed.com
Steyer	Partners in Production, LLC	200 DelMonte Road	Arlington	WI	53911	(608) 635-3825	www.pipseeds.com
Tracy	Tracy Seeds, LLC	1805 S State Road 140	Janesville	WI	53546	(608) 752-2767	www.tracyseeds.com
Trelay	Trelay Seeds	11623 Hwy 80	Livingston	WI	53554	(800) 421-0397	www.trelay.com
Viking	Albert Lea Seed	1414 W. Main, PO Box 127	Albert Lea	MN	56007	(800) 352-5247	www.alseed.com

Table 10. 2012 Temperature and Precipitation Summary

		Average Mean Temperature (°F)						Total Precipitation (in)				
		May	June	July	August	September		May	June	July	August	September
Arlington	Average °F	59.0	67.7	75.8	66.9	57.7	Precipitation	2.9	0.3	2.2	2.9	1.0
	Departure	3.3	2.1	6.4	-0.4	-1.6	Departure	-0.8	-4.4	-2.0	-1.0	-2.5
Chippewa Falls (Eau Claire)	Average °F	61.6	69.3	76.9	69.1	59.5	Precipitation	4.6	3.7	1.6	2.1	1.0
	Departure	4.0	2.4	5.3	-0.2	-0.7	Departure	1.1	-0.4	-2.3	-2.4	-2.7
Fond du Lac	Average °F	59.3	69.2	76.6	68.9	58.7	Precipitation	4.9	1.2	3.5	2.1	0.7
	Departure	3.0	3.2	6.2	0.3	-2.0	Departure	1.7	-2.8	0.0	-1.5	-2.7
Galesville (Trempealeau)	Average °F	64.4	71.5	78.9	71.3	62.3	Precipitation	4.7	2.0	2.2	2.9	1.1
	Departure	5.1	3.0	6.2	0.8	0.2	Departure	1.0	-1.8	-2.2	-1.6	-2.6
Hancock ¹	Average °F	61.8	68.6	77.2	69.4	59.1	Precipitation	6.0	1.9	0.6	1.9	1.1
	Departure	5.0	2.1	6.9	1.1	-0.9	Departure	2.3	-2.7	-3.8	-2.3	-2.3
							Irrigation	1.7	3.8	10.1	4.7	1.5
Janesville (Beloit)	Average °F	63.5	69.6	78.5	70.4	61.7	Precipitation	0.7	1.2	2.2	2.8	2.2
	Departure	4.8	1.0	6.0	-0.4	-1.2	Departure	-3.1	-3.5	-1.6	-1.5	-1.5
Lancaster	Average °F	64.4	70.7	79.0	71.0	61.4	Precipitation	3.9	1.5	2.3	1.5	3.2
	Departure	7.1	3.8	8.2	2.0	0.6	Departure	-0.2	-3.8	-2.1	-2.7	0.1
Marshfield	Average °F	59.4	67.1	74.7	67.5	57.9	Precipitation	3.8	3.6	1.4	4.1	1.7
	Departure	3.3	1.3	4.6	-0.6	-1.2	Departure	0.2	-0.9	-2.6	-0.2	-2.2
Seymour (Green Bay)	Average °F	61.1	70.4	76.1	68.5	58.4	Precipitation	3.4	1.7	6.0	3.7	1.1
	Departure	4.9	4.9	6.3	0.0	-1.4	Departure	0.5	-2.2	2.5	0.3	-2.0
Spooner ¹	Average °F	59.9	66.3	74.4	67.6	57.7	Precipitation	6.5	5.6	3.2	1.1	1.1
	Departure	4.2	1.4	5.1	0.3	-0.6	Departure	3.0	1.5	-0.9	-3.1	-2.7
							Irrigation	--	--	1.5	2.3	--

¹ Irrigation applied at Hancock and Spooner (irrigated sand trials).

Source: Wisconsin State Climatology Office; Long term normals from 1981 to 2010 used for departure data.

Table 11. 2012 Characteristics of Soybean Varieties (1 of 8).

Originator/ Brand	Entry	Maturity Group	Herbicide Tolerance ¹	Performance Shown in:	Seed treatment	SCN Source ²	PRR Genes ³	Color ⁴			
								Flower	Pubescence	Pod	Hilum
Asgrow	AG 0832	0.8	RR2	Table 5	Acceleron, PonchoVOTiVO	--	Rps 3-a	P	LTW	T	BR
Asgrow	AG 0833	0.8	RR2	Table 5	Acceleron, PonchoVOTiVO	--	Rps 3-a	P	TW	T	B
Asgrow	AG 1031	1.0	RR2	Table 5	Acceleron, PonchoVOTiVO	--	Rps 3-a	P	LTW	T	B
Asgrow	AG 1233	1.2	RR2	Tables 4,5	Acceleron, PonchoVOTiVO	--	Rps 1-c	P	LTW	T	B
Asgrow	AG 1431	1.4	RR2	Tables 4,5	Acceleron, PonchoVOTiVO	PI 88788	Rps 1-c	P	LTW	BR	B
Asgrow	AG 1631	1.6	RR2	Table 4	Acceleron, PonchoVOTiVO	--	Rps 1-c	P	G	BR	IB
Asgrow	AG 1733	1.7	RR2	Table 4	Acceleron, PonchoVOTiVO	PI 88788	Rps 1-c	P	G	BR	IB
Asgrow	AG 1832	1.8	RR2	Table 3	Acceleron, PonchoVOTiVO	--	Rps 1-k	W	G	BR	BF
Asgrow	AG 1931	1.9	RR2	Table 3	Acceleron, PonchoVOTiVO	PI 88788	Rps 1-k	W	G	BR	BF
Asgrow	AG 2031	2.0	RR2	Tables 2,3	Acceleron, PonchoVOTiVO	PI 88788	Rps 1-c	P	G	BR	IB
Asgrow	AG 2232	2.2	RR2	Tables 2,3	Acceleron, PonchoVOTiVO	PI 88788	Rps 1-c	P	LTW	BR	B
Asgrow	AG 2431	2.4	RR2	Tables 2,3	Acceleron, PonchoVOTiVO	--	Rps 1-c	P	G	BR	BF
Asgrow	AG 2433	2.4	RR2	Tables 2,3	Acceleron, PonchoVOTiVO	--	Rps 1-c	P	TW	T	B
Asgrow	AG 2531	2.5	RR2	Table 2	Acceleron, PonchoVOTiVO	--	Rps 1-c	P	LTW	BR	B
Asgrow	AG 2733	2.7	RR2	Table 2	Acceleron, PonchoVOTiVO	PI 88788	Rps 1-c	P	LTW	BR	B
Bio Gene	BG1300R2Y	1.3	RR2	Table 5	Acceleron	--	--	--	--	--	--
Bio Gene	BG7140RR2Y	1.4	RR2	Table 4	Acceleron	--	Rps 1-c	P	LTW	BR	B
Bio Gene	BG7200R2Y	1.9	RR2	Table 3	Acceleron	--	--	--	--	--	--
Blue River	06F8	0.6	CN	Table 7	None	--	--	--	--	--	--
Blue River	12A2	1.2	CN	Table 7	None	--	--	--	--	--	--
Blue River	17C2	1.7	CN	Table 7	None	--	--	--	--	--	--
Blue River	2A12	2.1	CN	Table 6	None	--	--	--	--	--	--
Blue River	23C2	2.3	CN	Table 6	None	--	--	--	--	--	--
Blue River	2A71	2.7	CN	Table 6	None	S	--	P	G	BR	B
Channel	1405R2 Brand	1.4	RR2	Table 4	Acceleron, PonchoVOTiVO	PI 88788	Rps 1-c	P	LTW	BR	B
Channel	1805R2 Brand	1.8	RR2	Tables 4,7,8	Acceleron, PonchoVOTiVO	PI 88788	Rps 1-c	P	LTW	BR	B
Channel	2105R2 Brand	2.1	RR2	Tables 2,3	Acceleron, PonchoVOTiVO	PI 88788	Rps 1-c	P	LTW	BR	B

All characteristic information is provided by the originator. ¹ Herbicide Tolerance: CN = conventional herbicide, LL = Liberty herbicide, RR1/RR2 = glyphosate herbicide, STS = sulfonylurea herbicide. ² Source of SCN Resistance; S = Susceptible.

³ PRR = Phytophthora Root Rot Resistance: PRR Genes listed designate resistance to PRR Races. * 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.

Table 11 continued. 2012 Characteristics of Soybean Varieties (2 of 8).

Originator/ Brand	Entry	Maturity Group	Herbicide Tolerance ¹	Performance Shown in:	Seed treatment	SCN Source ²	PRR Genes ³	Color ⁴			
								Flower	Pubescence	Pod	Hilum
Channel	2402R2 Brand	2.4	RR2	Table 2	Acceleron, PonchoVOTiVO	S	Rps 1-c	P	G	BR	BF
Channel	2605R2 Brand	2.6	RR2	Table 2	Acceleron, PonchoVOTiVO	PI 88788	Rps 1-c	P	G	BR	IB
Croplan	R2T0860	0.8	RR2	Table 5	CruiserMaxx Plus	--	Rps 3-a	P	TW	BR	BR
Croplan	R2T1391	1.3	RR2	Table 5	CruiserMaxx Plus	--	Rps 1-k	P	TW	T	B
Croplan	R2T1470	1.4	RR2	Table 5	CruiserMaxx Plus	--	Rps 1-c	P	LTW	BR	B
Croplan	R2C1531	1.5	RR2	Tables 3,4	CruiserMaxx Plus	PI 88788	Rps 1-c	P	G	BR	IB
Croplan	R2C1671	1.6	RR2	Tables 3,4	CruiserMaxx Plus	PI 88788	Rps 1-c seg.	P	G	BR	IB
Croplan	R2C1770	1.7	RR2	Tables 3,4	CruiserMaxx Plus	PI 88788	Rps 1-k	P	G	T	IB
Croplan	R2C1869	1.8	RR2	Tables 3,4	CruiserMaxx Plus	PI 88788	Rps 1-k	P	G	BR/T	IB
Croplan	R2C2070	2.0	RR2	Tables 2,3,4	CruiserMaxx Plus	PI 88788	Rps 1-k/1c	P	LTW	BR	B
Croplan	R2C2120	2.1	RR2	Tables 2,3,4,6,8	CruiserMaxx Plus	PI 88788	Rps 1-k	P	G	T	IB
Croplan	R2C2132	2.1	RR2	Table 2	CruiserMaxx Plus	PI 88788	Rps 1-c	W	LTW	BR	B
Croplan	R2T2440	2.4	RR2	Table 2	CruiserMaxx Plus	--	Rps 1-c	P	G	BR	BF
Croplan	R2C2451	2.4	RR2	Table 2	CruiserMaxx Plus	PI 88788	Rps 3-a	W	LTW	T	BR
Croplan	R2C2721	2.7	RR2	Table 2	CruiserMaxx Plus	PI 88788	Rps 1-c	P	G	BR	IB
Dairyland	DSR-0606/R2Y	0.6	RR2	Table 5	CruiserMaxx	--	Rps 1-c	P	LTW	BR	B
Dairyland	DSR-0747/R2Y	0.7	RR2	Tables 4,5	CruiserMaxx	--	Rps 1-c	P	G	BR	IB
Dairyland	DSR-0904/R2Y	0.8	RR2	Tables 4,5	CruiserMaxx	PI 88788	Rps 3-a	P	LTW	BR	B
Dairyland	DSR-1215/R2Y	1.2	RR2	Tables 3,4	CruiserMaxx	--	Rps 1-c	P	LTW	BR	B
Dairyland	DSR-1370/R2Y	1.3	RR2	Tables 2,3,4	CruiserMaxx	--	Rps 1-c	P	LTW	BR	B
Dairyland	DSR-1710/R2Y	1.7	RR2	Tables 2,3,4	CruiserMaxx	PI 88788	Rps 1-c	P	G	BR	IB
Dairyland	DSR-1808/R2Y	1.8	RR2	Tables 2,3,4	CruiserMaxx	PI 88788	Rps 1-c	P	G	BR	IB
Dairyland	DSR-2105/R2Y	2.1	RR2	Tables 2,3	CruiserMaxx	PI 88788	Rps 1-k	P	G	T	IB
Dairyland	DSR-2190/R2Y	2.1	RR2	Tables 2,3	CruiserMaxx	PI 88788	--	P	G	T	IB
Dairyland	DSR-2411/R2Y	2.4	RR2	Tables 2,3,6,8	CruiserMaxx	--	Rps 1-c	P	G	BR	BF
Dairyland	DSR-2677/R2Y	2.7	RR2	Table 2	CruiserMaxx	PI 88788	Rps 1-k	W	LTW	BR	B
Dyna-Gro	S13RY83	1.3	RR2	Table 4	Acceleron, Dyna-Shield Imidacloprid 5	PI 88788	Rps 1-k	W	LTW	T	BR

All characteristic information is provided by the originator. ¹ Herbicide Tolerance: CN = conventional herbicide, LL = Liberty herbicide, RR1/RR2 = glyphosate herbicide, STS = sulfonyleurea herbicide. ² Source of SCN Resistance; S = Susceptible.

³ PRR = Phytophthora Root Rot Resistance: PRR Genes listed designate resistance to PRR Races. 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.

Table 11 continued. 2012 Characteristics of Soybean Varieties (3 of 8).

Originator/ Brand	Entry	Maturity Group	Herbicide Tolerance ¹	Performance Shown in:	Seed treatment	SCN Source ²	PRR Genes ³	Color ⁴			
								Flower	Pubescence	Pod	Hilum
Dyna-Gro	S15RY53	1.5	RR2	Table 4	Acceleron, Dyna-Shield Imidacloprid 5	PI 88788	Rps 1-c	P	LTW	BR	B
Dyna-Gro	34RY17	1.7	RR2	Table 3	Acceleron, Dyna-Shield Imidacloprid 5	PI 88788	Rps 1-k	P	G	T	IB
Dyna-Gro	S18RY33	1.8	RR2	Table 3	Acceleron, Dyna-Shield Imidacloprid 5	PI 88788	Rps 1-c	P	G	BR	IB
Dyna-Gro	38B21	2.1	RR1	Tables 2,3	Acceleron, Dyna-Shield Imidacloprid 5	S	S	W	LTW	BR	B
Dyna-Gro	39RY25	2.5	RR2	Table 2	Acceleron, Dyna-Shield Imidacloprid 5	S	Rps 1-c	P	G	BR	BF
Dyna-Gro	S27RY03	2.7	RR2	Table 2	Acceleron, Dyna-Shield Imidacloprid 5	PI 88788	Rps 1-k	W	LTW	BR	B
eMerge	e2062	2.0	CN	Table 6	CruiserMaxx	PI 88788	Rps 1-c	P	G	T	Y
eMerge	e2162	2.1	CN	Table 6	CruiserMaxx	PI 88788	Rps 1-c	W	G	T	Y
eMerge	XC2282	2.2	CN	Table 6	CruiserMaxx	PI 88788	Rps 1-k	P	G	T	BF
FS HiSOY	HS 20A22	1.9	RR2	Tables 2,3,8	CruiserMaxx	PI 88789	Rps 1-c	P	G	BR	IB
FS HiSOY	HS 21A02	2.1	RR2	Tables 2,3,8	CruiserMaxx	PI 88788	Rps 1-c	P	LTW	BR	B
FS HiSOY	HS 22A21	2.2	RR2	Tables 2,3,8	CruiserMaxx	--	Rps 1-k	P	LTW	BR	IB
FS HiSOY	HS 24A01	2.4	RR2	Tables 2,3,6,8	CruiserMaxx	S	Rps 1-c	P	G	BR	BF
FS HiSOY	HS 24A12	2.4	RR2	Tables 2,3,8	CruiserMaxx	PI 88788	Rps 1-c	P	TW	T	B
FS HiSOY	HS 25A22	2.5	RR2	Tables 2,8	CruiserMaxx	PI 88789	Rps 1-c	W	G	BR	IB
G2	6088	0.8	RR1	Table 4	SmartCote Extra	PI 88788	none	W	LTW	BR	BR
G2	6092	0.9	RR1	Tables 4,7,8	SmartCote Extra	S	Rps 1-k	P	TW	BR	BR
G2	6098	0.9	RR1	Table 4	SmartCote Extra	S	Rps 1-k	P	TW	T	B
G2	6143	1.4	RR1	Table 4	SmartCote Extra	S	Rps 1-c	P	LTW	BR	BR
G2	6162	1.6	RR1	Tables 3,4	SmartCote Extra	S	Rps 1-c	P	G	BR	BF
G2	7183	1.8	RR1	Tables 3,4	SmartCote Extra	PI 88788	Rps 1-c	P	LTW	BR	BR
G2	7186	1.8	RR1	Tables 3,4	SmartCote Extra	Peking	Rps 1-k	P	TW	BR	B
G2	1191	1.9	RR1	Table 3	SmartCote Extra	--	--	--	--	--	--
G2	7203	2.0	RR1	Table 3	SmartCote Extra	PI 88788	Rps 1-a	P	LTW	BR	B
G2	7208	2.0	RR1	Table 3	SmartCote Extra	PI 88788	Rps 1-c	M	TW	BR	B
G2	7213	2.1	RR1	Table 3	SmartCote Extra	PI 88788	Rps 1-c	P	LTW	BR	B
G2	7230	2.3	RR1	Tables 2,3	SmartCote Extra	PI 88788	Rps 1-c	W	LTW	BR	B

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³ PRR = Phytophthora Root Rot Resistance: PRR Genes listed designate resistance to PRR Races. 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.

Table 11 continued. 2012 Characteristics of Soybean Varieties (4 of 8).

Originator/ Brand	Entry	Maturity Group	Herbicide Tolerance ¹	Performance Shown in:	Seed treatment	SCN Source ²	PRR Genes ³	Color ⁴			
								Flower	Pubescence	Pod	Hilum
G2	7243	2.4	RR1	Tables 2,3	SmartCote Extra	PI 88788	Rps 1-k	W	LTW	T	BR
G2	7250	2.5	RR1	Tables 2,3	SmartCote Extra	Peking	Rps 1-k	P	G	BR	BF
G2	1272	2.7	RR1	Table 2	SmartCote Extra	--	--	--	--	--	--
G2	7270	2.7	RR1	Table 2	SmartCote Extra	PI 88788	Rps 1-k	P	LTW	T	B
G2	7273	2.7	RR1	Table 2	SmartCote Extra	PI 88788	Rps 1-k	P	G	T	IB
G2	7286	2.8	RR1	Table 2	SmartCote Extra	PI 88788	Rps 1-c	W	LTW	BR	B
G2	7290	2.9	RR1	Table 2	SmartCote Extra	PI 88788	Rps 1-k	P	LTW	BR	B
Hughes	201 RR	2.0	RR1	Table 2	CruiserMaxx Pak	S	--	W	LTW	BR	B
Hughes	454 RR	2.4	RR1	Table 2	CruiserMaxx Pak	S	--	W	LTW	BR	B
Hughes	555 RR	2.5	RR1	Table 2	CruiserMaxx Pak	PI 88788	Rps 1-k	W	TW	BR	B
Hughes	777 RR	2.7	RR1	Table 2	CruiserMaxx Pak	PI 88788	Rps 1-k	W	LTW	BR	B
Jung	1146RR2	1.4	RR2	Table 4	Acceleron (Fungicide + Insecticide)	--	--	--	--	--	--
Jung	1152RR2	1.5	RR2	Table 4	Acceleron (Fungicide + Insecticide)	--	--	--	--	--	--
Jung	1170RR2	1.7	RR2	Tables 3,4	Acceleron (Fungicide + Insecticide)	--	--	--	--	--	--
Jung	1201RR2	2.0	RR2	Table 3	Acceleron (Fungicide + Insecticide)	--	--	--	--	--	--
Jung	1212RR2	2.1	RR2	Table 3	Acceleron (Fungicide + Insecticide)	--	--	--	--	--	--
Jung	1225RR2	2.2	RR2	Tables 2,3	Acceleron (Fungicide + Insecticide)	--	Rps 1-c	P	G	BR	IB
Jung	1232RR2	2.3	RR2	Table 2	Acceleron (Fungicide + Insecticide)	--	--	--	--	--	--
Legacy	LS-0611RR2	0.6	RR2	Tables 4,5	L Coat Plus	--	--	--	--	--	--
Legacy	LS-0710RR2	0.7	RR2	Tables 4,5	L Coat Plus	--	--	--	--	--	--
Legacy	LS-0911RR2	1.0	RR2	Tables 4,7	L Coat Plus	--	--	--	--	--	--
Legacy	LS-1321RR2	1.3	RR2	Table 4	Rancona, Senator	--	--	--	--	--	--
Legacy	LS-142LL	1.4	LL	Table 7	L Coat Plus	--	--	--	--	--	--
Legacy	LS-1531RR2	1.5	RR2	Table 4	L Coat Plus	--	--	--	--	--	--
Legacy	LS-1710RR2	1.7	RR2	Tables 3,4	L Coat Plus	PI 88788	--	P	G	T	B
Legacy	LS-182LL	1.8	LL	Table 7	L Coat Plus	--	--	--	--	--	--
Legacy	LS-1942NRR2	1.9	RR2	Tables 3,4	L Coat Plus	--	--	--	--	--	--

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³ PRR = Phytophthora Root Rot Resistance: PRR Genes listed designate resistance to PRR Races. 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.

Table 11 continued. 2012 Characteristics of Soybean Varieties (5 of 8).

Originator/ Brand	Entry	Maturity Group	Herbicide Tolerance ¹	Performance Shown in:	Seed treatment	SCN Source ²	PRR Genes ³	Color ⁴			
								Flower	Pubescence	Pod	Hilum
Legacy	LS-2012NRR2	2.0	RR2	Table 3	CruiserMaxx	--	--	--	--	--	--
Legacy	LS-202LL	2.0	LL	Table 7	L Coat Plus	--	--	--	--	--	--
Legacy	LS-2412NRR2	2.4	RR2	Table 2	Rancona, Senator	--	--	--	--	--	--
Legacy	LS-2812NRR2	2.8	RR2	Table 2	Rancona, Senator	--	--	--	--	--	--
Legend	08R22N	0.8	RR2	Table 4	CruiserMaxx	--	--	--	--	--	--
Legend	15R22N	1.5	RR2	Table 4	CruiserMaxx	--	--	--	--	--	--
Legend	17R20N	1.7	RR2	Tables 3,4	CruiserMaxx	--	--	--	--	--	--
Legend	20R20N	2.0	RR2	Table 3	CruiserMaxx	--	--	--	--	--	--
Legend	23R22N	2.3	RR2	Table 3	CruiserMaxx	--	--	--	--	--	--
LG	C1530R2	1.5	RR2	Table 4	Acceleron	PI 88788	Rps 1-c	P	G	BR	IB
LG	C1917R2	1.9	RR2	Table 3	Acceleron	PI 88788	Rps 1-c	P	LTW	BR	B
LG	C2050R2	2.0	RR2	Table 3	Acceleron	PI 88788	Rps 1-k	W	G	BR	BF
Mark	MRK 2410 R2	2.4	RR2	Tables 2,3,8	CruiserMaxx	--	--	--	--	--	--
Mycogen	5N090R2	0.9	RR2	Table 5	CruiserMaxx	PI 88788	Rps 1-k	P	LTW	T	BR
Mycogen	5N110R2	1.1	RR2	Table 4	CruiserMaxx	PI 88788	Rps 1-c	P	G	BR	IB
Mycogen	5N130R2	1.3	RR2	Table 4	CruiserMaxx	PI 88788	Rps 1-c	P	LTW	BR	B
Mycogen	5N155R2	1.5	RR2	Table 3	CruiserMaxx	PI 88788	Rps 1-c	P	G	BR	IB
Mycogen	5N180R2	1.8	RR2	Table 3	CruiserMaxx	PI 88788	Rps 1-c	P	G	BR	IB
Mycogen	5N205R2	2.0	RR2	Table 3	CruiserMaxx	PI 88788	Rps 1-c	P	LTW	BR	B
Mycogen	5N210R2	2.1	RR2	Table 2	CruiserMaxx	PI 88788	Rps 1-c	P	G	T	IB
Mycogen	5N234R2	2.3	RR2	Table 2	CruiserMaxx	--	Rps 1-k	P	G	T	IB
Mycogen	5N254R2	2.5	RR2	Table 2	CruiserMaxx	--	Rps 3-a	W	LTW	T	BR
NK Brand	S08-G1 Brand	0.8	RR2	Table 5	CruiserMaxx	--	Rps 3-a	P	TW	BR	BR
NK Brand	S10-G7 Brand	1.0	RR2	Table 5	CruiserMaxx	--	Rps 1-k	P	LTW	T	BR
NK Brand	S12-L5 Brand	1.2	RR2	Table 4	CruiserMaxx	--	Rps 3-a	P	G	T	IB
NK Brand	S15-L5 Brand	1.5	RR1	Table 4	CruiserMaxx	Peking	Rps 1-c	P	G	T	IB
NK Brand	S18-C2 Brand	1.8	RR2	Tables 3,4	CruiserMaxx	PI 88788	--	P	LTW	T	B

All characteristic information is provided by the originator. ¹ Herbicide Tolerance: CN = conventional herbicide, LL = Liberty herbicide, RR1/RR2 = glyphosate herbicide, STS = sulfonyleurea herbicide. ² Source of SCN Resistance; S = Susceptible.

³ PRR = Phytophthora Root Rot Resistance: PRR Genes listed designate resistance to PRR Races. 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.

Table 11 continued. 2012 Characteristics of Soybean Varieties (6 of 8).

Originator/ Brand	Entry	Maturity Group	Herbicide Tolerance ¹	Performance Shown in:	Seed treatment	SCN Source ²	PRR Genes ³	Color ⁴			
								Flower	Pubescence	Pod	Hilum
NK Brand	S20-Y2 Brand	2.0	RR2	Tables 2,3	CruiserMaxx	PI 88788	Rps 1-k	P	LTW	BR	B
NK Brand	S23-P8 Brand	2.3	RR2	Tables 2,3	CruiserMaxx	PI 88788	Rps 1-k	P	G	T	IB
NK Brand	S24-K2 Brand	2.4	RR2	Tables 2,3	CruiserMaxx	--	Rps 1-c	W	G	BR	BF
NK Brand	S25-T8 Brand	2.5	RR1	Table 2	CruiserMaxx	PI 88788	--	W	LTW	BR	B
NK Brand	S27-H6 Brand	2.7	RR1	Table 2	CruiserMaxx	PI 88788	Rps 1-a	W	LTW	BR	B
NuTech	202	2.0	CN	Table 7	None	S	--	W	LTW	T	BR
NuTech	242CN	2.4	CN	Table 6	None	PI 88788	--	P	LTW	BR	--
NuTech	270CN	2.7	CN	Table 6	None	PI 88788	Rps 1-a	P	LTW	T	BR
NuTech	2088L	0.8	LL	Table 7	None	S	Rps 1-k	P	G	T	IB
NuTech	3103L	1.0	LL	Table 7	None	PI 88788	Rps 1-k	P	TW	BR	B
NuTech	3153L	1.5	LL	Table 7	None	PI 88788	Rps 1-c	W	LTW	BR	B
NuTech	3183L	1.8	LL	Table 7	None	PI 88788	Rps 1-k	P	LTW	BR	B
NuTech	3223L	2.2	LL	Table 6	None	PI 88788	Rps 1-k	W	LTW	T	BR
NuTech	3243L	2.4	LL	Table 6	None	PI 88788	Rps 1-k	P	LTW	T	BR
NuTech	3248L	2.6	LL	Table 6	None	PI 88788	Rps 1-k	P	G	BR	IB
NuTech	3273L	2.7	LL	Table 6	None	PI 88788	Rps 1-k	P	G	T	IB
O'Brien	O'SOY170RR	1.7	RR1	Tables 2,3	CruiserMaxx, Bio-Forge	--	Rps 1-k	P	TW	T	B
O'Brien	O'SOY190R2Y	1.9	RR2	Tables 2,3	CruiserMaxx, Bio-Forge	PI 88788	--	P	TW	BR	B
O'Brien	O'SOY250RR	2.5	RR1	Table 2	CruiserMaxx, Bio-Forge	--	--	W	LTW	BR	B
Pioneer	90Y90	0.9	RR1	Tables 4,5,8	Gauche, Apron, Trilex, PPST 2030, PPST 120	--	Rps 1-c	P	LTW	BR	BR
Pioneer	91M01	1.0	RR1	Table 8	Gauche, Apron, Trilex, PPST 2030, PPST 120	--	Rps 1-k	P	TW	BR	BR
Pioneer	91Y01	1.0	RR1	Table 5	Gauche, Apron, Trilex, PPST 2030, PPST 120	--	--	--	--	--	--
Pioneer	91Y10	1.1	RR1	Table 4	Gauche, Apron, Trilex, PPST 2030, PPST 120	--	--	--	--	--	--
Pioneer	91Y30	1.3	RR1	Table 4	Gauche, Apron, Trilex, PPST 2030, PPST 120	--	--	--	--	--	--
Pioneer	91Y41	1.4	RR1	Tables 4,7	Gauche, Apron, Trilex, PPST 2030, PPST 120	PI 88788	Rps 1-c	P	LTW	BR	BR
Pioneer	91Y74	1.7	RR1	Table 4	Gauche, Apron, Trilex, PPST 2030, PPST 120	--	--	--	--	--	--
Pioneer	92Y12	2.1	RR1	Table 3	Gauche, Apron, Trilex, PPST 2030, PPST 120	--	Rps 1-k	P	LTW	T	B

All characteristic information is provided by the originator. ¹ Herbicide Tolerance: CN = conventional herbicide, LL = Liberty herbicide, RR1/RR2 = glyphosate herbicide, STS = sulfonylurea herbicide. ² Source of SCN Resistance; S = Susceptible.

³ PRR = Phytophthora Root Rot Resistance: PRR Genes listed designate resistance to PRR Races. 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.

Table 11 continued. 2012 Characteristics of Soybean Varieties (7 of 8).

Originator/ Brand	Entry	Maturity Group	Herbicide Tolerance ¹	Performance Shown in:	Seed treatment	SCN Source ²	PRR Genes ³	Color ⁴			
								Flower	Pubescence	Pod	Hilum
Pioneer	92Y22	2.2	RR1	Tables 2,3	Gauche, Apron, Trilex, PPST 2030, PPST 120	--	--	--	--	--	--
Pioneer	92Y32	2.3	RR1	Tables 2,3	Gauche, Apron, Trilex, PPST 2030, PPST 120	--	--	--	--	--	--
Pioneer	92Y51	2.5	RR1	Tables 2,3,6,8	Gauche, Apron, Trilex, PPST 2030, PPST 120	PI 88788	Rps 1-k	P	LTW	T	B
Pioneer	92Y75	2.7	RR1	Table 2	Gauche, Apron, Trilex, PPST 2030, PPST 120	PI 88788	Rps 1-k	W	LTW	T	BR
Pioneer	92Y83	2.8	RR1	Table 2	Gauche, Apron, Trilex, PPST 2030, PPST 120	--	--	--	--	--	--
PIP	142 LL	1.4	LL	Table 7	CruiserMaxx	--	--	--	--	--	--
PIP	232 LL	2.3	LL	Table 6	CruiserMaxx	--	--	--	--	--	--
Power Plus	23Z1	2.3	RR1	Table 2	CruiserMaxx Pak	PI 88788	Rps 1-c	W	LTW	BR	B
Power Plus	25G3	2.5	RR1	Table 2	CruiserMaxx Pak	Peking	Rps 1-k	P	G	BR	BF
Public	Ashtabula	0.4	CN	Tables 6,7	CruiserMaxx, Bio-Forge	--	Rps 6	P	G	BR	Y
Public	Sheyenne	0.8	CN	Tables 6,7	CruiserMaxx, Bio-Forge	--	Rps 1-c	P	G	BR	Y
Public	MN 1410	1.4	CN	Tables 6,7	CruiserMaxx, Bio-Forge	--	Rps 1-k	W	G	--	BF
Public	IA 1006	1.6	CN	Tables 6,7	CruiserMaxx, Bio-Forge	--	--	W	TW	BR	B
Public	IA 1022	1.7	CN	Tables 6,7	CruiserMaxx, Bio-Forge	--	--	P	G	T	Y
Public	W04-338	2.3	CN	Table 6	None	PI 88788	--	P	TW	BR	Y
Renk	RS082R2	0.8	RR2	Tables 4,5	None	--	Rps 3-a	P	TW	BR	BR
Renk	RS107RR	1.0	RR1	Tables 4,5	ApronMaxx	--	--	P	LTW	BR/T	BR
Renk	RS122R2	1.2	RR2	Table 4	None	--	Rps 1-c	P	G	BR	IB
Renk	RS140NR2	1.4	RR2	Table 4	ApronMaxx	PI 88788	Rps 1-c	P	G	BR	IB
Renk	RS153NR2	1.5	RR2	Table 4	None	PI 88788	Rps 1-c	P	LTW	BR	B
Renk	RS172NR2	1.7	RR2	Tables 3,4	ApronMaxx	PI 88788	Rps 1-k	P	G	T	B
Renk	RS183NR2	1.8	RR2	Tables 3,4	ApronMaxx	PI 88788	Rps 1-c	P	G	BR	IB
Renk	RS202NR2	2.0	RR2	Tables 2,3,6,8	ApronMaxx	PI 88788	Rps 1-c	P	TW	BR	B
Renk	RS210NR2	2.0	RR2	Tables 2,3	None	PI 88788	Rps 1-c	P	G	T	IB
Renk	RS213NR2	2.1	RR2	Tables 2,3	None	PI 88788	Rps 1-c	P	LTW	BR	IB
Renk	RS241R2	2.4	RR2	Tables 2,3	None	--	Rps 1-c	P	G	BR	BF
Renk	RS263NR2	2.6	RR2	Tables 2,3	None	PI 88788	Rps 1-k	P	G	BR	IB
Steyer	1403 R2	1.4	RR2	Table 4	CruiserMaxx	--	--	--	--	--	--

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Table 11 continued. 2012 Characteristics of Soybean Varieties (8 of 8).

Originator/ Brand	Entry	Maturity Group	Herbicide Tolerance ¹	Performance Shown in:	Seed treatment	SCN Source ²	PRR Genes ³	Color ⁴			
								Flower	Pubescence	Pod	Hilum
Steyer	1611 R2	1.6	RR2	Tables 3,4	CruiserMaxx	--	--	--	--	--	--
Steyer	1803 R2	1.8	RR2	Table 3	CruiserMaxx	--	--	--	--	--	--
Steyer	1901 RR	1.9	RR1	Table 3	CruiserMaxx	--	--	--	--	--	--
Steyer	2003 R2	2.0	RR2	Table 3	CruiserMaxx	--	--	--	--	--	--
Steyer	2301 RR	2.3	RR1	Table 2	CruiserMaxx	--	--	--	--	--	--
Steyer	2603 R2	2.6	RR2	Table 2	CruiserMaxx	--	--	--	--	--	--
Tracy	1113LL	1.1	LL	Table 7	None	--	--	--	--	--	--
Tracy	1413LL	1.4	LL	Table 7	None	--	--	--	--	--	--
Tracy	1813LL	1.8	LL	Tables 6,7	None	--	--	--	--	--	--
Tracy	2213LL	2.2	LL	Table 6	None	--	--	--	--	--	--
Tracy	2513LL	2.5	LL	Table 6	None	--	--	--	--	--	--
Tracy	2813LL	2.8	LL	Table 6	None	--	--	--	--	--	--
Trelay	15RR51	1.5	RR2	Tables 4,7,8	Acceleron (Fungicide + Insecticide), Excalibre-SA	PI 88788	Rps 1-c	P	G	BR	IB
Trelay	19RR59	1.9	RR2	Table 3	Acceleron (Fungicide + Insecticide), Excalibre-SA	--	Rps 1-c,1-k,6	P	LTW	BR	B
Trelay	20RR43	2.0	RR2	Tables 2,3	Acceleron (Fungicide + Insecticide), Excalibre-SA	PI 88788	Rps 1-c	P	TW	BR	IB
Trelay	21RR37	2.1	RR2	Tables 2,3	Acceleron (Fungicide + Insecticide), Excalibre-SA	PI 88788	Rps 1-c	P	G	T	IB
Trelay	23RR53	2.3	RR2	Tables 2,3	Acceleron (Fungicide + Insecticide), Excalibre-SA	--	--	P	LTW	T	B
Trelay	24RR19	2.4	RR2	Tables 2,3	Acceleron (Fungicide + Insecticide), Excalibre-SA	--	Rps 1-c	P	G	BR	BF
Trelay	25RR91	2.5	RR2	Table 2	Acceleron (Fungicide + Insecticide), Excalibre-SA	--	--	W	G	BR	IB
Trelay	27RR03	2.7	RR2	Table 2	Acceleron (Fungicide + Insecticide), Excalibre-SA	PI 88788	Rps 1-c	P	G	BR	IB
Viking	Sheyenne	0.8	CN	Table 7	None	S	--	P	G	BR	Y
Viking	0.1544AT	1.4	CN	Table 7	None	S	--	P	G	M	IB
Viking	1718N	1.7	CN	Table 7	None	--	--	W	LTW	BR	B
Viking	0.1955AT	1.9	CN	Table 6	None	S	--	P	G	BR	IB
Viking	0.2265	2.2	CN	Table 6	None	S	--	W	TW	BR	BR
Viking	0.2620AT12	2.6	CN	Table 6	None	--	--	W	G	T	Y

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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://fyi.uwex.edu/fieldcroppathology/soybean/>.

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