



WISCONSIN Soybean Variety Test Results

2013

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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 2013. Above normal precipitation in April - June that severely

delayed soybean planting coupled with drought like conditions in July and August led to a projected statewide average soybean yield of 40 bu/A; down 1.5 bu/A from 2012.

Significant early season precipitation led to soybean planting and emergence that progressed well behind the 5 year average through mid-June.

Temperatures in June, July, and August remained lower than normal; which significantly delayed crop development compared to the 5 year average. In all areas of Wisconsin, the 2013 growing season was behind the 30 year average. From March 1st through Sept. 15th the crop had accumulated approximately 200-300 less GDU's (base 50° F) than the 30 year norm. Statewide crop conditions were rated at less than 50% good to excellent for most of the season.

Fortunately for soybean growers, above average temperatures in September and early October coupled with a late killing frost allowed most of the soybean crop to mature though delayed planting and cooler temperatures delayed maturity. As of October 28th, 69% of the WI soybean crop had been harvested whereas typically 79% of the crop would be removed. The Lancaster conventional soybean site was abandoned due to poor emergence. 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 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 indicates 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
Rps3-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% 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 Rps1-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; but symptoms are delayed until early pod formation and plant death is evident as the crop progresses towards maturity. White mold was a significant regional issue in 2013. 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 (*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 common; 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. 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 (*Phialophora gregata*)

Brown stem rot (BSR) is a major disease of soybeans in Wisconsin. In 2013, 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, 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 (*Fusarium solani* f. sp. *glycines*)

Sudden death syndrome (SDS) incidence was more prevalent in 2013 than 2012. 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.

For more information about soybean pests and diseases, visit:

http://fyi.uwex.edu/fieldcroppathology/soybean_pests_diseases/

Soybean viruses and insects

Soybean aphids were regionalized in 2013. NE WI was the hardest hit and many fields reached eco-

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onomic threshold levels that required treatment. Spider mite infestations were isolated to droughty production areas of WI. Those growers that did not manage aphids or spider mites accrued 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 2014. The virus situation in fields also needs 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 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 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.



2013 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 2013 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	2013	2012	2012-3
Arlington: Glyphosate Tolerant	Matt Repking	15	Silt Loam	7.0	3.7	69	188	Dual II Magnum, Sonic	--	--	7-May	3-Oct	75	80	78
Arlington: Conventional & Traited Herbicide	Matt Repking	15	Silt Loam	7.0	3.7	69	188	Dual II Magnum, Sonic	--	--	7-May	1-Oct	65	75	70
Arlington: White Mold	Matt Repking	15	Silt Loam	7.2	2.9	51	226	Sonic, Intro	--	--	3-Jun	10-Oct	58	48	53
Chippewa Falls: Glyphosate Tolerant	Jerry Clark	15	Silt Loam	6.3	3.4	20	138	Optil, Outlook	--	Roundup PowerMAX, Select Max, Warrior	13-May	8-Oct	15	49	32
Fond du Lac: Glyphosate Tolerant	Ed Montsma, Mike Rankin	15	Silt Loam	6.9	3.5	29	124	--	Authority First, Dual II Magnum	--	20-May	11-Oct	56	70	63
Galesville: Glyphosate Tolerant	Ken Congdon, Steve Huntzicker	15	Silt Loam	6.0	4.1	19	171	--	--	Roundup PowerMAX, Select Max, FirstRate	14-May	9-Oct	53	80	67
Hancock: Glyphosate Tolerant	Paul Sytsma	15	Sand	6.6	0.7	99	74	--	Roundup PowerMAX, Dual II Magnum	Roundup PowerMAX	6-May	22-Oct	77	82	80
Janesville: Glyphosate Tolerant	Jim Stute	15	Silt Loam	6.5	3.9	56	153	--	Authority First, Dual II Magnum	Roundup PowerMAX, FirstRate	16-May	14-Oct	78	65	72
Lancaster: Glyphosate Tolerant	Tim Wood	15	Silt Loam	7.2	2.3	37	88	Pursuit, Prowl H2O, Sencor DF	--	Roundup PowerMAX (2), Warrant	15-May	25-Oct	57	55	56
Marshfield: Glyphosate Tolerant	Jason Cavadini	15	Silt Loam	6.7	3.7	40	142	Dual II Magnum, Brawl	--	--	4-Jun	23-Oct	31	43	37
Marshfield: Glyphosate Tolerant (North)	Jason Cavadini	15	Silt Loam	6.7	3.7	40	142	Dual II Magnum, Brawl	--	--	4-Jun	23-Oct	30	44	37
Marshfield: Conventional & Traited Herbicide	Jason Cavadini	15	Silt Loam	6.7	3.7	40	142	Dual II Magnum, Brawl	--	--	4-Jun	23-Oct	33	43	38
Seymour: Glyphosate Tolerant	Mike Maass, Kevin Jarek	15	Clay Loam	6.9	2.4	20	101	--	Authority First, Dual II Magnum	Roundup PowerMAX, Warrior	27-May	24-Oct	64	76	70
Spooner: Glyphosate Tolerant (Dry Land)	Phil Holman	7	Silt Loam	6.4	2.0	21	108	--	--	Roundup WeatherMAX (2), Select Max, Leverage	29-May	11-Oct	18	42	30
Spooner: Glyphosate Tolerant (Irrigated)	Phil Holman	7	Sandy Loam	6.1	1.5	108	103	--	--	Roundup WeatherMAX (2), Select Max, Leverage	24-May	9-Oct	47	42	45

Table 2. 2013 Southern Region Glyphosate Tolerant Soybean Test: performance of commercial entries at three southern Wisconsin locations (1 of 4).

Brand	Entry	Maturity Group	2013 3-Test Average			2013 Yields			2013 Composition		2012 3-Test Average				
			Yield (bu/A)	Lodging (1-5)	Maturity (date)	Arlington (bu/A)	Janesville (bu/A)	Lancaster (bu/A)	Protein (%)	Oil (%)	Yield (bu/A)	Lodging (1-5)	Maturity (date)	Protein ¹ (%)	Oil ¹ (%)
Asgrow	AG 2031	2.0	*77	1.0	20-Sep	*87	*81	59	35.7	19.2	60	1.0	6-Sep	32.9	19.7
Asgrow	AG 2134	2.1	*71	1.1	20-Sep	*80	76	54	36.1	18.3	--	--	--	--	--
Asgrow	AG 2433	2.4	*74	1.0	21-Sep	73	78	*71	36.5	18.6	66	1.0	17-Sep	33.9	18.7
Asgrow	AG 2534	2.5	67	1.0	24-Sep	78	78	39	35.6	19.2	--	--	--	--	--
Asgrow	AG 2733	2.7	*74	1.0	27-Sep	*84	78	56	35.9	19.0	*75	1.0	23-Sep	34.2	18.9
Asgrow	AG 2834	2.8	*73	1.1	25-Sep	74	*81	60	35.7	18.8	--	--	--	--	--
Channel	2306R2 Brand	2.3	*71	1.0	21-Sep	78	78	55	34.7	19.0	--	--	--	--	--
Channel	2607R2 Brand	2.6	*75	1.3	25-Sep	*81	*81	59	35.9	19.0	--	--	--	--	--
Dairyland	DSR-1515/R2Y	1.5	*74	1.0	15-Sep	*80	77	62	33.6	20.1	--	--	--	--	--
Dairyland	DSR-1808/R2Y	1.8	*76	1.0	15-Sep	76	*84	*65	34.8	18.8	61	1.0	7-Sep	32.6	19.2
Dairyland	DSR-2105/R2Y	2.1	*78	1.0	21-Sep	*84	79	*68	34.8	19.6	65	1.0	10-Sep	32.3	20.0
Dairyland	DSR-2250/R2Y	2.2	*70	1.0	19-Sep	73	78	56	35.8	18.3	--	--	--	--	--
Dairyland	DSR-2340/R2Y	2.3	*75	1.0	20-Sep	72	*84	*66	36.2	18.2	--	--	--	--	--
Dairyland	DSR-2411/R2Y	2.4	*75	1.0	19-Sep	*84	*82	55	35.3	19.2	*72	1.0	15-Sep	33.0	19.1
Dairyland	DSR-2612/R2Y	2.6	*71	1.0	24-Sep	69	74	*66	37.0	17.8	--	--	--	--	--
Dyna-Gro	S24RY73	2.4	*70	1.0	20-Sep	68	78	62	35.6	18.4	--	--	--	--	--
Dyna-Gro	S25RY44	2.5	*74	1.0	26-Sep	77	*83	57	35.6	19.6	--	--	--	--	--
Dyna-Gro	S27RY03	2.7	66	1.1	23-Sep	70	72	52	35.8	18.8	70	1.0	20-Sep	32.7	18.8
FS HiSOY	HS 15A32	1.5	68	1.0	15-Sep	78	74	48	34.6	20.0	--	--	--	--	--
FS HiSOY	HS 19A32	1.9	*71	1.0	21-Sep	*79	76	54	34.5	19.3	--	--	--	--	--
FS HiSOY	HS 20A22	2.0	*75	1.0	16-Sep	74	*85	62	34.5	19.1	64	1.0	10-Sep	32.7	19.2
FS HiSOY	HS 22A21	2.2	*73	1.0	19-Sep	76	76	*64	35.9	18.4	70	1.0	13-Sep	33.1	18.7
FS HiSOY	HS 24A01	2.4	*72	1.0	20-Sep	76	*81	55	35.5	19.0	70	1.0	17-Sep	32.6	19.1
FS HiSOY	HS 24A32	2.4	*74	1.2	21-Sep	75	*80	*65	36.3	18.1	--	--	--	--	--

Table 2. continued. 2013 Southern Region Glyphosate Tolerant Soybean Test: performance of commercial entries at three southern Wisconsin locations (2 of 4).

Brand	Entry	Maturity Group	2013 3-Test Average			2013 Yields			2013 Composition		2012 3-Test Average				
			Yield (bu/A)	Lodging (1-5)	Maturity (date)	Arlington (bu/A)	Janesville (bu/A)	Lancaster (bu/A)	Protein (%)	Oil (%)	Yield (bu/A)	Lodging (1-5)	Maturity (date)	Protein ¹ (%)	Oil ¹ (%)
FS HiSOY	HS 25A22	2.5	*74	1.1	23-Sep	69	*80	*71	36.2	18.8	*73	1.0	18-Sep	33.7	18.8
FS HiSOY	HS 26A32	2.6	67	1.0	19-Sep	66	76	56	36.9	17.8	--	--	--	--	--
Hughes	201	2.1	*71	1.0	22-Sep	75	*81	52	35.9	19.4	63	1.0	15-Sep	33.3	19.3
Jung	1215RR2	2.1	65	1.1	19-Sep	64	75	52	36.0	18.1	--	--	--	--	--
Jung	1249RR2	2.4	*72	1.1	21-Sep	75	*84	51	36.3	18.5	--	--	--	--	--
Jung	1250RR2	2.5	*73	1.0	21-Sep	*79	78	59	36.0	18.9	--	--	--	--	--
Legacy	LS2313NRR2	2.3	*70	1.0	22-Sep	*80	77	48	36.4	18.1	--	--	--	--	--
Legacy	LS2412NRR2	2.4	66	1.0	21-Sep	68	79	47	36.5	18.3	70	1.0	12-Sep	33.1	18.7
Legacy	LS2812NRR2	2.8	*77	1.2	30-Sep	78	*87	*64	36.8	17.8	67	1.0	22-Sep	34.9	17.9
LG Seeds	C2222R2	2.2	*70	1.0	18-Sep	70	*82	55	36.1	18.4	--	--	--	--	--
LG Seeds	C2333R2	2.3	*72	1.0	21-Sep	68	*80	*66	35.9	18.3	--	--	--	--	--
LG Seeds	C2500R2	2.5	*73	1.5	22-Sep	73	*81	62	35.7	18.6	--	--	--	--	--
Mark	2410 R2	2.4	67	1.2	23-Sep	77	77	43	35.3	19.2	67	1.0	17-Sep	33.0	19.0
Mycogen	5N210R2	2.1	*77	1.0	20-Sep	*81	*84	62	35.0	19.4	66	1.0	12-Sep	32.6	19.9
Mycogen	5N234R2	2.3	*73	1.0	25-Sep	*79	78	58	35.9	19.1	69	1.0	15-Sep	33.5	19.2
Mycogen	5N262R2	2.6	*75	1.1	22-Sep	72	*86	62	36.4	18.8	--	--	--	--	--
NK Brand	S20-T6 Brand	2.0	*78	1.1	20-Sep	*88	79	*64	35.7	19.0	--	--	--	--	--
NK Brand	S22-F8 Brand	2.2	*70	1.0	19-Sep	74	75	56	35.2	18.9	--	--	--	--	--
NK Brand	S22-S1 Brand	2.2	*70	1.1	20-Sep	74	*80	52	35.6	18.9	--	--	--	--	--
NK Brand	S24-K2 Brand	2.4	*73	1.1	21-Sep	73	*81	61	35.2	18.0	*71	1.0	16-Sep	33.6	18.0
NK Brand	S25-E5 Brand	2.5	*75	1.5	24-Sep	78	*80	*63	36.7	18.6	--	--	--	--	--
NK Brand	S27-H6 Brand	2.7	*72	1.0	22-Sep	73	*80	62	34.9	20.0	70	1.0	20-Sep	33.2	19.3
NuTech/G2 Genetics	7171	1.7	62	1.0	15-Sep	73	69	38	35.5	19.3	--	--	--	--	--
NuTech/G2 Genetics	7183	1.8	64	1.1	15-Sep	66	71	50	34.8	18.5	--	--	--	--	--
NuTech/G2 Genetics	7208	2.0	63	1.1	18-Sep	67	68	48	35.8	19.2	--	--	--	--	--
NuTech/G2 Genetics	7213	2.1	65	1.2	21-Sep	76	73	41	35.7	18.9	--	--	--	--	--

Table 2. continued. 2013 Southern Region Glyphosate Tolerant Soybean Test: performance of commercial entries at three southern Wisconsin locations (3 of 4).

Brand	Entry	Maturity Group	2013 3-Test Average			2013 Yields			2013 Composition		2012 3-Test Average				
			Yield (bu/A)	Lodging (1-5)	Maturity (date)	Arlington (bu/A)	Janesville (bu/A)	Lancaster (bu/A)	Protein (%)	Oil (%)	Yield (bu/A)	Lodging (1-5)	Maturity (date)	Protein ¹ (%)	Oil ¹ (%)
NuTech/G2 Genetics	7230	2.3	*70	1.0	22-Sep	76	73	57	34.8	19.8	68	1.0	17-Sep	32.8	19.9
NuTech/G2 Genetics	7240	2.4	*70	1.0	20-Sep	78	74	55	33.8	20.1	--	--	--	--	--
NuTech/G2 Genetics	7250	2.5	66	1.3	20-Sep	*79	68	44	34.5	19.4	*76	1.1	21-Sep	32.2	19.8
NuTech/G2 Genetics	7261	2.6	69	1.0	25-Sep	74	72	58	36.0	19.1	--	--	--	--	--
NuTech/G2 Genetics	7273	2.7	69	1.1	24-Sep	71	*83	47	34.5	20.5	*77	1.1	21-Sep	32.4	20.5
O'Brien	O'SOY172NR2Y	1.7	*72	1.0	16-Sep	74	*80	57	35.7	18.8	--	--	--	--	--
O'Brien	O'SOY185NR2Y	1.9	*78	1.0	18-Sep	*79	*84	*70	34.2	19.4	--	--	--	--	--
O'Brien	O'SOY245NR2Y	2.4	*75	1.1	20-Sep	69	*81	*74	36.4	17.9	--	--	--	--	--
Pioneer	92Y22	2.2	66	1.0	18-Sep	*80	72	41	35.0	20.1	65	1.0	16-Sep	33.0	20.0
Pioneer	P22T69R	2.2	*70	1.0	20-Sep	75	78	54	35.4	19.7	--	--	--	--	--
Pioneer	P24T19R	2.4	*71	1.2	23-Sep	77	79	53	35.4	19.0	--	--	--	--	--
Pioneer	92Y51	2.5	69	1.0	18-Sep	70	77	58	36.2	19.5	69	1.0	17-Sep	33.7	19.3
Pioneer	92Y83	2.8	*73	1.0	28-Sep	*83	77	56	36.2	19.8	*71	1.0	24-Sep	35.4	19.1
Pioneer	P28T33R	2.8	*71	1.1	28-Sep	*84	*80	41	35.1	19.2	--	--	--	--	--
Power Plus	25H4	2.5	66	1.0	23-Sep	77	73	41	37.1	19.1	--	--	--	--	--
Power Plus	25G3	2.5	62	1.2	18-Sep	68	72	42	34.4	19.3	69	1.0	19-Sep	32.7	19.6
ProHarvest	2371CR2Y	2.3	*70	1.1	20-Sep	69	77	60	36.3	18.1	--	--	--	--	--
Renk	RS241R2	2.4	*73	1.0	23-Sep	*85	*80	50	35.0	19.3	*72	1.0	14-Sep	32.6	19.1
Renk	RS244NR2	2.4	*72	1.1	23-Sep	74	*81	57	36.2	18.2	--	--	--	--	--
Renk	RS274NR2	2.7	*71	1.1	19-Sep	73	76	62	37.0	18.0	--	--	--	--	--
Renk	RS283NR2	2.8	*70	1.0	27-Sep	68	76	*64	36.5	18.5	--	--	--	--	--
Steyer	2204 R2	2.2	*75	1.0	22-Sep	74	*81	*65	36.0	18.4	--	--	--	--	--
Steyer	2603 R2	2.6	67	1.0	21-Sep	68	72	58	35.6	18.5	*75	1.0	20-Sep	32.6	18.7
Titan Pro	TP-18R73	1.8	69	1.0	17-Sep	76	73	52	35.7	18.8	--	--	--	--	--
Titan Pro	TP-19R23	1.9	62	1.1	16-Sep	71	72	36	35.1	18.9	--	--	--	--	--
Titan Pro	20M1	2.0	*75	1.0	18-Sep	*81	*82	59	33.8	19.6	--	--	--	--	--

Table 2. continued. 2013 Southern Region Glyphosate Tolerant Soybean Test: performance of commercial entries at three southern Wisconsin locations (4 of 4).

Brand	Entry	Maturity Group	2013 3-Test Average			2013 Yields			2013 Composition		2012 3-Test Average				
			Yield (bu/A)	Lodging (1-5)	Maturity (date)	Arlington (bu/A)	Janesville (bu/A)	Lancaster (bu/A)	Protein (%)	Oil (%)	Yield (bu/A)	Lodging (1-5)	Maturity (date)	Protein ¹ (%)	Oil ¹ (%)
Titan Pro	TP-21R63	2.1	*76	1.1	22-Sep	78	*82	*65	35.7	18.5	--	--	--	--	--
Titan Pro	22M12	2.2	*75	1.0	18-Sep	73	*80	*73	34.9	19.6	--	--	--	--	--
Titan Pro	TP-22R13	2.2	*72	1.0	20-Sep	76	74	62	36.2	18.0	--	--	--	--	--
Titan Pro	23M9	2.3	*72	1.0	21-Sep	*80	*85	46	35.3	19.1	--	--	--	--	--
Titan Pro	24M21	2.4	*75	1.6	22-Sep	78	*85	58	35.4	18.8	--	--	--	--	--
Titan Pro	25M22	2.5	*77	1.3	25-Sep	*80	*82	*66	35.5	19.7	--	--	--	--	--
Titan Pro	27M32	2.7	*72	1.1	22-Sep	71	77	*68	35.7	18.9	--	--	--	--	--
Mean			71	1.1	20-Sep	75	78	57	35.6	18.9	68	1.0	15-Sep	33.1	19.2
LSD (0.10)			8	0.2	3	9	7	11	0.4	0.3	7	0.1	3	0.4	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 Arlington site.

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

Table 3. 2013 Central Region Glyphosate Tolerant Soybean Test: performance of commercial entries at three central Wisconsin locations (1 of 4).

Brand	Entry	Maturity Group	2013 3-Test Average			2013 Yields			2013 Composition ¹		2012 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 ¹ (%)	Oil ¹ (%)
Asgrow	AG 1733	1.7	55	1.0	22-Sep	47	46	73	34.6	19.9	--	--	--	--	--
Asgrow	AG 1832	1.8	*62	1.0	22-Sep	56	49	*80	36.1	19.6	*80	1.3	12-Sep	34.0	19.6
Asgrow	AG 2031	2.0	*65	1.0	27-Sep	58	51	*84	35.9	19.3	*84	1.0	15-Sep	34.2	19.6
Asgrow	AG 2134	2.1	55	1.0	27-Sep	49	52	64	34.8	18.9	--	--	--	--	--
Asgrow	AG 2232	2.2	*67	1.0	28-Sep	*60	*59	*82	35.3	19.3	*82	1.1	19-Sep	34.1	19.4
Asgrow	AG 2433	2.4	*63	1.0	30-Sep	57	*57	75	35.2	19.3	*83	1.0	20-Sep	34.2	19.1
Bio Gene	BG7200R2Y	2.0	*62	1.0	20-Sep	55	48	*82	35.0	19.3	*80	1.0	9-Sep	34.0	19.0
Channel	2105R2 Brand	2.1	*68	1.0	29-Sep	*66	*58	*81	35.3	19.3	*82	1.1	18-Sep	34.2	19.5
Dairyland	DSR-1120/R2Y	1.1	*64	1.0	17-Sep	*64	44	*82	34.3	20.5	--	--	--	--	--
Dairyland	DSR-1215/R2Y	1.2	59	1.0	18-Sep	54	47	77	35.1	19.0	73	1.0	10-Sep	34.7	18.4
Dairyland	DSR-1515/R2Y	1.5	60	1.0	17-Sep	48	49	*84	33.8	20.4	--	--	--	--	--
Dairyland	DSR-1808/R2Y	1.8	*62	1.0	20-Sep	53	49	*85	35.5	19.0	*79	1.0	10-Sep	34.3	18.8
Dairyland	DSR-2105/R2Y	2.1	*66	1.0	28-Sep	54	*58	*87	34.3	19.7	*78	1.0	9-Sep	33.6	19.7
Dairyland	DSR-2250/R2Y	2.2	57	1.0	27-Sep	47	56	67	34.8	19.3	--	--	--	--	--
Dairyland	DSR-2340/R2Y	2.3	58	1.0	28-Sep	*60	53	61	35.5	18.9	--	--	--	--	--
Dairyland	DSR-2411/R2Y	2.4	*68	1.0	29-Sep	*64	*65	76	35.2	19.3	*78	1.0	21-Sep	34.0	19.1
Dyna-Gro	34RY17	1.7	*66	1.0	24-Sep	56	*62	*81	34.8	20.1	*80	1.0	11-Sep	34.8	19.3
Dyna-Gro	S19RY84	1.9	60	1.0	24-Sep	51	50	77	34.6	19.6	--	--	--	--	--
Dyna-Gro	S20RY94	2.0	*62	1.0	23-Sep	53	54	*79	34.3	19.8	--	--	--	--	--
Dyna-Gro	S22RY64	2.2	58	1.0	28-Sep	45	*59	69	34.7	19.2	--	--	--	--	--
FS HiSOY	HS 15A32	1.5	*64	1.0	21-Sep	57	53	*81	35.8	19.9	--	--	--	--	--
FS HiSOY	HS 19A32	1.9	*64	1.0	25-Sep	56	52	*83	34.1	19.6	--	--	--	--	--

Table 3 continued. 2013 Central Region Glyphosate Tolerant Soybean Test: performance of commercial entries at three central Wisconsin locations (2 of 4).

Brand	Entry	Maturity Group	2013 3-Test Average			2013 Yields			2013 Composition ¹		2012 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 ¹ (%)	Oil ¹ (%)
FS HiSOY	HS 20A22	2.0	59	1.0	24-Sep	54	46	78	34.4	19.5	*80	1.0	11-Sep	34.3	18.9
FS HiSOY	HS 22A21	2.2	56	1.0	28-Sep	49	47	70	35.0	19.2	*82	1.0	17-Sep	34.2	18.7
FS HiSOY	HS 24A01	2.4	*66	1.0	30-Sep	*65	*63	72	34.8	19.4	*78	1.0	19-Sep	34.2	18.9
FS HiSOY	HS 24A32	2.4	59	1.0	30-Sep	57	*56	65	35.4	18.6	--	--	--	--	--
Great Lakes	GL2069R2	2.0	*67	1.0	24-Sep	*60	53	*88	37.2	19.1	--	--	--	--	--
Great Lakes	GL2289R2	2.2	*69	1.0	25-Sep	*60	*60	*88	35.3	19.6	--	--	--	--	--
Great Lakes	GL2319R2	2.3	61	1.0	26-Sep	53	*57	74	35.3	19.1	--	--	--	--	--
Legacy	LS1533NRR2	1.5	*63	1.0	20-Sep	59	49	*82	35.6	19.9	--	--	--	--	--
Legacy	LS1710RR2	1.7	*66	1.0	24-Sep	53	*63	*81	35.5	19.8	*81	1.0	10-Sep	34.5	19.5
Legacy	LS2012NRR2	2.0	*62	1.0	25-Sep	50	*57	*79	35.0	19.2	*80	1.0	10-Sep	34.2	18.9
Legacy	LS2233NRR2	2.2	57	1.0	27-Sep	44	53	73	34.9	19.1	--	--	--	--	--
Legacy	LS2313NRR2	2.3	*64	1.0	29-Sep	*63	*59	69	35.3	18.6	--	--	--	--	--
Legend Seeds	LS 17R23N	1.7	59	1.0	23-Sep	51	41	*85	36.2	19.2	--	--	--	--	--
Legend Seeds	LS 20R20N	2.0	*66	1.0	24-Sep	*62	51	*85	35.8	19.4	*80	1.0	16-Sep	34.3	19.8
Legend Seeds	LS 23R22N	2.3	61	1.0	28-Sep	54	53	76	34.6	19.6	*80	1.2	16-Sep	34.3	19.0
LG Seeds	C1917R2	1.9	*67	1.0	25-Sep	*61	55	*84	36.3	19.5	*79	1.1	15-Sep	34.5	19.5
LG Seeds	C2222R2	2.2	53	1.0	28-Sep	51	47	63	34.9	19.1	--	--	--	--	--
Mark	2410 R2	2.4	*62	1.0	1-Oct	54	*63	69	34.7	19.5	76	1.1	22-Sep	33.7	19.1
Mycogen	5N155R2	1.5	60	1.0	17-Sep	53	50	77	37.0	19.0	*77	1.0	8-Sep	34.2	19.0
Mycogen	5N180R2	1.8	60	1.0	22-Sep	53	51	76	35.3	19.2	72	1.1	9-Sep	34.6	18.7
Mycogen	5N206R2	2.0	*68	1.0	27-Sep	*63	53	*87	35.3	19.7	--	--	--	--	--
Mycogen	5N210R2	2.1	61	1.0	27-Sep	53	52	78	33.8	19.9	--	--	--	--	--
NK Brand	S17-B3 Brand	1.7	61	1.0	23-Sep	*60	51	73	35.6	19.3	--	--	--	--	--

Table 3 continued. 2013 Central Region Glyphosate Tolerant Soybean Test: performance of commercial entries at three central Wisconsin locations (3 of 4).

Brand	Entry	Maturity Group	2013 3-Test Average			2013 Yields			2013 Composition ¹		2012 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 ¹ (%)	Oil ¹ (%)
NK Brand	S18-C2 Brand	1.8	*62	1.0	23-Sep	58	48	*80	35.1	19.4	76	1.1	13-Sep	33.7	19.3
NK Brand	S20-T6 Brand	2.0	*65	1.0	23-Sep	*61	55	78	35.3	19.5	--	--	--	--	--
NK Brand	S22-F8 Brand	2.2	61	1.0	28-Sep	58	55	70	33.9	19.6	--	--	--	--	--
NK Brand	S25-E5 Brand	2.5	*62	1.0	2-Oct	*67	49	69	35.8	18.8	--	--	--	--	--
NuTech/G2 Genetics	6143	1.4	55	1.0	18-Sep	48	45	73	35.2	19.2	--	--	--	--	--
NuTech/G2 Genetics	7171	1.7	58	1.0	19-Sep	51	48	75	36.4	19.4	--	--	--	--	--
NuTech/G2 Genetics	7183	1.8	60	1.0	19-Sep	57	50	71	35.5	18.8	73	1.0	9-Sep	34.3	18.2
NuTech/G2 Genetics	7208	2.0	60	1.0	24-Sep	56	44	*80	36.0	19.4	70	1.0	17-Sep	33.9	19.8
NuTech/G2 Genetics	7213	2.1	*63	1.0	26-Sep	57	53	*79	36.0	19.2	*77	1.0	18-Sep	35.2	18.6
NuTech/G2 Genetics	7230	2.3	*66	1.0	28-Sep	*63	52	*82	34.4	20.5	*77	1.1	21-Sep	33.6	19.8
NuTech/G2 Genetics	7240	2.4	*66	1.0	29-Sep	54	*58	*84	33.5	20.1	--	--	--	--	--
O'Brien	O'SOY172NR2Y	1.7	*63	1.0	23-Sep	56	51	*80	35.6	19.7	--	--	--	--	--
O'Brien	O'SOY185NR2Y	1.9	*65	1.0	24-Sep	*60	54	*81	34.3	19.9	--	--	--	--	--
O'Brien	O'SOY245NR2Y	2.4	*63	1.0	29-Sep	*61	54	75	35.6	18.8	--	--	--	--	--
Pioneer	P19T60R	1.9	*62	1.0	22-Sep	57	46	*82	34.6	20.6	--	--	--	--	--
Pioneer	92Y22	2.2	*64	1.0	26-Sep	53	*57	*83	34.1	20.8	*77	1.0	15-Sep	33.5	20.1
Pioneer	P22T69R	2.2	*66	1.0	25-Sep	57	55	*85	34.9	20.1	--	--	--	--	--
Pioneer	P24T19R	2.4	*65	1.0	3-Oct	59	*57	78	34.2	20.0	--	--	--	--	--
Pioneer	92Y51	2.5	*68	1.0	28-Sep	59	*61	*85	35.3	20.1	*78	1.0	22-Sep	34.6	19.6
Renk	RS183NR2	1.8	59	1.0	23-Sep	51	48	*80	35.1	19.0	*79	1.0	14-Sep	34.4	18.8
Renk	RS184NR2	1.8	60	1.0	23-Sep	52	46	*82	35.9	19.2	--	--	--	--	--
Renk	RS213NR2	2.1	*69	1.0	29-Sep	*62	*57	*88	35.6	19.8	*83	1.0	19-Sep	33.7	19.9
Renk	RS224NR2	2.2	57	1.0	26-Sep	44	50	76	34.9	19.3	--	--	--	--	--

Table 3 continued. 2013 Central Region Glyphosate Tolerant Soybean Test: performance of commercial entries at three central Wisconsin locations (4 of 4).

Brand	Entry	Maturity Group	2013 3-Test Average			2013 Yields			2013 Composition ¹		2012 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 ¹ (%)	Oil ¹ (%)
Renk	RS241R2	2.4	*65	1.0	27-Sep	*61	*65	70	34.8	19.5	76	1.0	19-Sep	33.7	19.2
Renk	RS244NR2	2.4	*63	1.0	30-Sep	*60	*58	73	35.3	18.9	--	--	--	--	--
Steyer	1611 R2	1.6	60	1.0	22-Sep	53	53	75	35.3	19.8	*84	1.0	10-Sep	34.3	19.5
Steyer	2004 R2	2.0	59	1.0	26-Sep	51	*59	67	35.6	18.6	--	--	--	--	--
Steyer	2204 R2	2.2	57	1.0	28-Sep	54	53	65	35.2	18.8	--	--	--	--	--
Mean			62	1.0	25-Sep	56	53	77	35.1	19.4	77	1.0	14-Sep	34.1	19.3
LSD (0.10)			7	NS	3	7	9	9	0.7	0.4	7	0.2	4	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 Fond du Lac site.

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

Table 4. 2013 North Central Region Glyphosate Tolerant Soybean Test: performance of commercial entries at three north central Wisconsin locations (1 of 3).

Brand	Entry	Maturity Group	2013 3-Test Average			2013 Yields			2013 Composition ¹		2012 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 ¹ (%)	Oil ¹ (%)
Asgrow	AG 1431	1.4	*41	1.0	25-Sep	16	*45	63	34.4	20.0	*58	1.0	10-Sep	35.2	19.0
Asgrow	AG 1534	1.5	36	1.0	21-Sep	12	33	64	33.4	19.3	--	--	--	--	--
Asgrow	AG 1733	1.7	36	1.0	28-Sep	15	30	63	33.5	19.8	*57	1.0	16-Sep	34.0	19.4
Bio Gene	BG7151R2Y	1.5	*38	1.0	26-Sep	*17	32	64	34.1	20.1	--	--	--	--	--
Channel	1405R2 Brand	1.6	*38	1.0	26-Sep	14	32	*69	34.5	19.8	56	1.0	13-Sep	35.4	19.1
Channel	1805R2 Brand	1.8	*38	1.0	1-Oct	16	29	*68	34.2	19.6	54	1.0	15-Sep	35.3	19.3
Dairyland	DSR-0904/R2Y	0.9	*38	1.0	20-Sep	14	*37	63	34.2	19.7	*57	1.0	8-Sep	34.5	19.5
Dairyland	DSR-1120/R2Y	1.1	*42	1.0	26-Sep	*18	*39	*68	32.3	21.0	--	--	--	--	--
Dairyland	DSR-1215/R2Y	1.2	*38	1.0	25-Sep	15	32	66	34.1	18.9	*59	1.0	13-Sep	35.2	18.3
Dairyland	DSR-1515/R2Y	1.5	*38	1.0	28-Sep	15	30	*68	32.9	20.3	--	--	--	--	--
Dairyland	DSR-1808/R2Y	1.8	*38	1.0	30-Sep	12	35	*68	34.2	19.5	*57	1.0	17-Sep	34.9	18.6
Dyna-Gro	S12RY44	1.2	34	1.0	24-Sep	14	29	59	34.4	19.5	--	--	--	--	--
Dyna-Gro	S15RY53	1.5	*37	1.0	27-Sep	16	26	*69	34.4	20.0	55	1.0	16-Sep	35.6	19.1
FS HiSOY	HS 15A32	1.5	*37	1.0	27-Sep	*17	27	*67	33.8	20.2	--	--	--	--	--
FS HiSOY	HS 19A32	1.9	*37	1.0	1-Oct	13	28	*70	32.5	19.6	--	--	--	--	--
Great Lakes	GL0609R2	0.6	35	1.0	18-Sep	*17	29	61	35.3	18.9	--	--	--	--	--
Great Lakes	GL0900R2	0.9	*37	1.0	22-Sep	*17	30	65	33.7	19.8	--	--	--	--	--
Great Lakes	GL1689R2	1.6	*40	1.0	27-Sep	14	*41	*67	34.2	20.2	--	--	--	--	--
Legacy	LS0833NRR2	0.8	33	1.0	20-Sep	13	28	57	33.7	20.2	--	--	--	--	--
Legacy	LS1033RR2	1.0	*39	1.0	20-Sep	15	35	*67	34.7	19.5	--	--	--	--	--
Legacy	LS1321RR2	1.3	*38	1.0	25-Sep	14	30	*68	34.9	18.8	*57	1.0	12-Sep	35.1	18.4
Legacy	LS1533NRR2	1.5	*38	1.0	26-Sep	15	33	66	34.0	20.1	--	--	--	--	--
Legacy	LS1710RR2	1.7	*38	1.0	26-Sep	15	*41	59	35.5	19.2	*59	1.0	14-Sep	36.4	18.8

Table 4 continued. 2013 North Central Region Glyphosate Tolerant Soybean Test: performance of commercial entries at three north central Wisconsin locations (2 of 3).

Brand	Entry	Maturity Group	2013 3-Test Average			2013 Yields			2013 Composition ¹		2012 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 ¹ (%)	Oil ¹ (%)
Legacy	LS2012NRR2	2.0	35	1.0	2-Oct	12	29	66	33.5	19.4	--	--	--	--	--
Legend Seeds	LS 08R22N	0.8	36	1.0	18-Sep	16	26	65	33.8	20.0	*58	1.0	9-Sep	34.4	19.5
Legend Seeds	LS 14R22N	1.4	34	1.0	27-Sep	*18	17	66	34.3	19.9	--	--	--	--	--
Legend Seeds	LS 17R23N	1.7	*38	1.0	30-Sep	*20	31	63	34.0	19.4	--	--	--	--	--
LG Seeds	C1530R2	1.5	*39	1.0	28-Sep	15	35	*67	34.4	20.1	*59	1.0	13-Sep	35.1	19.5
LG Seeds	C1780R2	1.7	*40	1.0	28-Sep	16	33	*72	33.5	19.4	--	--	--	--	--
Mycogen	5N091R2	0.9	*37	1.0	21-Sep	16	33	61	33.8	19.8	--	--	--	--	--
Mycogen	5B112R2	1.1	*37	1.0	22-Sep	*17	32	63	34.0	19.3	--	--	--	--	--
Mycogen	5N122R2	1.2	*38	1.0	25-Sep	*18	35	62	34.0	20.2	--	--	--	--	--
Mycogen	5N155R2	1.5	*39	1.0	26-Sep	14	34	*68	34.4	19.8	--	--	--	--	--
NK Brand	S10-P9 Brand	1.0	33	1.0	20-Sep	13	27	59	34.2	20.0	--	--	--	--	--
NK Brand	S14-J7 Brand	1.4	34	1.0	24-Sep	16	22	66	33.9	19.8	--	--	--	--	--
NK Brand	S17-B3 Brand	1.7	*41	1.0	30-Sep	16	*36	*71	32.8	20.1	--	--	--	--	--
NuTech/G2 Genetics	7063	0.6	31	1.0	16-Sep	8	35	53	33.0	20.5	--	--	--	--	--
NuTech/G2 Genetics	6093	0.9	32	1.0	21-Sep	12	27	57	35.9	19.1	--	--	--	--	--
NuTech/G2 Genetics	7110	1.1	34	1.0	21-Sep	16	27	58	34.0	19.4	--	--	--	--	--
NuTech/G2 Genetics	6143	1.4	32	1.0	24-Sep	16	22	59	35.0	19.2	56	1.0	8-Sep	34.8	18.9
NuTech/G2 Genetics	7171	1.7	35	1.0	28-Sep	14	29	63	35.3	19.4	--	--	--	--	--
NuTech/G2 Genetics	7183	1.8	*37	1.0	27-Sep	*18	34	60	33.3	18.9	54	1.0	14-Sep	34.9	18.3
O'Brien	O'SOY172NR2Y	1.7	*37	1.0	29-Sep	13	29	*68	35.6	19.3	--	--	--	--	--
Pioneer	91Y30	1.3	34	1.0	26-Sep	14	28	60	32.4	20.4	54	1.0	12-Sep	34.1	19.2
Pioneer	P16T04R	1.6	*41	1.0	26-Sep	*17	*41	64	33.3	20.0	--	--	--	--	--
Pioneer	P19T60R	1.9	*38	1.0	30-Sep	*18	35	61	32.9	20.4	--	--	--	--	--

Table 4 continued. 2013 North Central Region Glyphosate Tolerant Soybean Test: performance of commercial entries at three north central Wisconsin locations (3 of 3).

Brand	Entry	Maturity Group	2013 3-Test Average			2013 Yields			2013 Composition ¹		2012 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 ¹ (%)	Oil ¹ (%)
ProHarvest	1671R2Y	1.6	36	1.0	26-Sep	12	33	64	35.4	19.1	--	--	--	--	--
Renk	RS104R2	1.0	28	1.0	21-Sep	9	23	54	34.7	19.8	--	--	--	--	--
Renk	RS153NR2	1.5	*41	1.0	26-Sep	14	*42	*68	34.5	20.1	56	1.0	16-Sep	35.0	19.6
Renk	RS183NR2	1.8	*38	1.0	29-Sep	15	32	*68	32.9	19.8	*61	1.0	16-Sep	34.8	18.7
Renk	RS184NR2	1.8	35	1.0	28-Sep	14	24	*67	34.1	19.5	--	--	--	--	--
Steyer	1611 R2	1.6	*37	1.0	29-Sep	14	28	*68	35.3	19.5	*60	1.0	19-Sep	36.0	18.9
Mean			37	1.0	25-Sep	15	31	64	34.0	19.7	56	1.0	12-Sep	35.1	18.9
LSD (0.10)			5	NS	3	3	9	5	0.7	0.3	5	NS	3	0.5	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.

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

Table 5. 2013 Northern Region Glyphosate Tolerant Soybean Test: performance of commercial entries at three northern Wisconsin locations.

Brand	Entry	Maturity Group	2013 3-Test Average			2013 Yields			2013 Composition ¹		2012 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 ¹ (%)	Oil ¹ (%)
Asgrow	AG 0832	0.8	30	1.0	24-Sep	28	*19	44	34.6	20.0	*44	1.0	5-Sep	34.9	19.6
Asgrow	AG 0934	0.9	32	1.0	24-Sep	*33	17	*47	34.5	19.8	--	--	--	--	--
Asgrow	AG 1132	1.1	*36	1.0	25-Sep	*34	*23	*52	34.1	19.4	--	--	--	--	--
Asgrow	AG 1234	1.2	*34	1.0	25-Sep	28	*23	*52	34.2	19.6	--	--	--	--	--
Bio Gene	BG1300R2Y	1.3	*36	1.0	25-Sep	*33	*21	*55	35.0	18.7	*45	1.0	9-Sep	35.2	18.3
Channel	0605R2 Brand	0.6	32	1.0	23-Sep	28	17	*49	34.6	19.1	--	--	--	--	--
Channel	0906R2 Brand	0.9	*33	1.0	24-Sep	*38	15	*47	34.0	19.7	--	--	--	--	--
Dairyland	DSR-0606/R2Y	0.6	29	1.0	21-Sep	24	17	46	34.0	19.8	*43	1.0	14-Sep	33.7	19.5
Dairyland	DSR-0904/R2Y	0.9	32	1.0	23-Sep	*32	16	*47	33.7	19.9	*44	1.0	15-Sep	34.5	19.4
Legacy	LS0710RR2	0.7	27	1.0	21-Sep	22	14	44	35.2	19.0	40	1.0	7-Sep	34.6	19.1
Legacy	LS0833NRR2	0.8	*34	1.0	25-Sep	*35	*19	*48	33.5	20.0	--	--	--	--	--
Legacy	LS1033RR2	1.0	*35	1.0	24-Sep	*36	*23	*47	34.7	19.5	--	--	--	--	--
Legacy	LS1321RR2	1.3	*33	1.0	27-Sep	26	*19	*53	34.2	18.9	--	--	--	--	--
LG Seeds	C0911R2	0.9	*36	1.0	23-Sep	*35	*21	*52	34.8	19.4	--	--	--	--	--
Mycogen	5B066R2	0.6	*37	1.0	20-Sep	*39	*22	*51	34.3	19.5	--	--	--	--	--
Mycogen	5B080R2	0.8	*33	1.0	20-Sep	*35	18	46	34.2	19.4	--	--	--	--	--
NK Brand	S04-D3 Brand	0.4	30	1.0	16-Sep	30	16	44	34.1	20.0	--	--	--	--	--
NK Brand	S10-P9 Brand	1.0	31	1.0	21-Sep	24	*21	*47	34.3	19.7	--	--	--	--	--
NuTech/G2 Genetics	7063	0.6	21	1.0	16-Sep	17	10	35	33.4	20.4	--	--	--	--	--
NuTech/G2 Genetics	6093	0.9	26	1.0	22-Sep	19	16	43	35.5	19.3	--	--	--	--	--
Pioneer	90Y90	0.9	29	1.0	23-Sep	*34	15	39	35.1	19.0	39	1.0	8-Sep	35.1	19.0
Pioneer	91Y01	1.0	30	1.0	24-Sep	28	17	45	33.7	20.1	*45	1.3	11-Sep	33.8	19.4

Table 5 continued. 2013 Northern Region Glyphosate Tolerant Soybean Test: performance of commercial entries at three northern Wisconsin locations (2 of 2).

Brand	Entry	Maturity Group	2013 3-Test Average			2013 Yields			2013 Composition ¹		2012 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 ¹ (%)	Oil ¹ (%)
Renk	RS053R2	0.5	30	1.0	24-Sep	30	17	45	34.9	19.5	--	--	--	--	--
Renk	RS082R2	0.8	*35	1.0	22-Sep	30	*24	*52	34.5	19.3	41	1.0	8-Sep	34.8	18.9
Renk	RS084NR2	0.8	32	1.0	24-Sep	*35	16	45	33.8	20.0	--	--	--	--	--
Renk	RS104R2	1.0	30	1.0	23-Sep	29	14	*47	34.3	19.8	--	--	--	--	--
		Mean	32	1.0	22-Sep	30	18	47	34.3	19.6	42	1.0	9-Sep	34.9	18.9
		LSD (0.10)	4	NS	2	7	5	8	0.7	0.4	3	0.2	2	0.4	0.3

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

¹Protein and Oil determinations collected at the Marshfield site.

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

Table 6. 2013 Southern Conventional and Traited Herbicide Soybean Test: performance of public and commercial entries at Arlington, Wisconsin (1 of 2).

Brand	Entry	Maturity Group	Herbicide Tolerance ¹	2013 Average					2012 2-Test Average ²				
				Yield (bu/A)	Lodging (1-5)	Maturity (date)	Protein (%)	Oil (%)	Yield (bu/A)	Lodging (1-5)	Maturity (date)	Protein (%)	Oil (%)
Blue River	19AR1	1.9	CN	58	1.0	16-Sep	36.1	18.7	--	--	--	--	--
Blue River	21F3	2.1	CN	64	1.0	20-Sep	37.8	18.3	--	--	--	--	--
Blue River	2A12	2.1	CN	68	1.0	16-Sep	37.4	17.7	61	1.0	13-Sep	34.7	18.3
Blue River	23C2	2.3	CN	64	1.0	20-Sep	34.9	19.3	60	1.4	21-Sep	32.4	19.7
Blue River	2A71	2.7	CN	58	1.0	22-Sep	37.1	17.7	64	1.3	21-Sep	34.4	18.6
Blue River	30C3	3.0	CN	57	1.0	22-Sep	37.4	17.2	--	--	--	--	--
Dairyland	DSR-2411/R2Y	2.4	RR2	*69	1.0	16-Sep	35.8	18.7	*71	1.0	17-Sep	33.4	19.1
eMerge	e2062	2.0	CN	67	1.0	14-Sep	37.1	18.8	61	1.0	12-Sep	35.8	19.0
eMerge	e2162	2.1	CN	64	1.0	13-Sep	37.6	17.7	59	1.0	10-Sep	35.9	18.0
FS HiSOY	HS 25A22	2.5	RR2	62	1.0	17-Sep	36.6	18.5	--	--	--	--	--
Legacy	LS202LL	2.0	LL	*73	1.0	16-Sep	36.0	18.8	--	--	--	--	--
Legacy	LSC2013	2.0	CN	67	1.0	11-Sep	35.4	19.0	--	--	--	--	--
Legacy	LS222NLL	2.2	LL	66	1.0	18-Sep	36.2	18.5	--	--	--	--	--
NuTech/G2 Genetics	7273	2.7	RR1	64	1.0	18-Sep	35.2	20.2	--	--	--	--	--
Pioneer	92Y83	2.8	RR1	65	1.0	27-Sep	37.1	19.6	--	--	--	--	--
PiP	232 LL	2.3	LL	66	1.0	19-Sep	36.4	17.8	*71	1.1	23-Sep	33.9	18.5
Public	Sheyenne	0.8	CN	61	1.0	4-Sep	33.6	18.9	47	1.0	31-Aug	33.5	19.1
Public	MN1410	1.4	CN	64	1.0	8-Sep	35.3	19.0	54	1.0	3-Sep	34.9	18.8
Public	IA1006	1.6	CN	65	1.0	12-Sep	35.2	18.6	51	1.0	8-Sep	34.1	18.5
Public	IA1022	1.7	CN	68	1.0	13-Sep	33.3	20.2	62	1.0	12-Sep	32.0	20.3
Public	IAR1901 BSR	1.9	CN	*77	1.0	13-Sep	35.2	18.7	--	--	--	--	--
Public	IA2105	2.1	CN	62	1.0	18-Sep	36.1	17.8	--	--	--	--	--
Steyer	2603 R2	2.6	RR2	*70	1.0	18-Sep	35.5	18.6	--	--	--	--	--

Table 6 continued. 2013 Southern Conventional and Traited Herbicide Soybean Test: performance of public and commercial entries at Arlington, Wisconsin (2 of 2).

Brand	Entry	Maturity Group	Herbicide Tolerance ¹	2013 Average					2012 2-Test Average ²				
				Yield (bu/A)	Lodging (1-5)	Maturity (date)	Protein (%)	Oil (%)	Yield (bu/A)	Lodging (1-5)	Maturity (date)	Protein (%)	Oil (%)
Tracy	2213LL	2.2	LL	*73	1.0	19-Sep	36.4	18.4	*67	1.4	23-Sep	34.2	18.7
Tracy	2513LL	2.5	LL	*71	1.0	18-Sep	36.4	17.9	*70	1.1	23-Sep	33.8	18.5
Tracy	2704LL	2.7	LL	62	1.0	23-Sep	36.5	18.4	--	--	--	--	--
Viking	0.1718N	1.7	CN	66	1.0	12-Sep	35.1	18.4	--	--	--	--	--
Viking	0.1922N	1.9	CN	60	1.0	12-Sep	36.8	18.2	--	--	--	--	--
Viking	0.2265	2.2	CN	64	1.0	17-Sep	35.4	18.7	63	1.0	18-Sep	33.6	18.7
Mean				65	1.0	16-Sep	36.0	18.6	62	1.1	16-Sep	34.0	18.9
LSD (0.10)				8	NS	4	0.3	0.3	7	0.3	6	0.9	0.5

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

¹ Herbicide Tolerance : CN = conventional herbicide, LL = glufosinate herbicide, RR1/RR2 = glyphosate herbicide

² Average of Arlington and Lancaster

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

Table 7. 2013 North Central Conventional and Traited Herbicide Soybean Test: performance of public and commercial entries at Marshfield, Wisconsin.

Brand	Entry	Maturity Group	Herbicide Tolerance ¹	2013					2012				
				Yield (bu/A)	Lodging (1-5)	Maturity (date)	Protein (%)	Oil (%)	Yield (bu/A)	Lodging (1-5)	Maturity (date)	Protein (%)	Oil (%)
Asgrow	AG 1431	1.4	RR2	*41	1.0	4-Oct	34.6	19.9	--	--	--	--	--
Blue River	06F8	0.6	CN	34	1.0	23-Sep	34.0	20.9	*45	1.0	8-Sep	33.5	19.7
Blue River	12A2	1.2	CN	*41	1.0	2-Oct	33.6	19.5	*48	1.0	17-Sep	34.7	18.7
Blue River	15AR3	1.5	CN	26	1.0	30-Sep	36.8	18.2	--	--	--	--	--
Blue River	17C2	1.7	CN	29	1.0	7-Oct	34.0	19.3	42	1.0	21-Sep	35.4	18.5
Legend Seeds	LS 08R22N	0.8	RR2	32	1.0	2-Oct	34.0	19.9	--	--	--	--	--
LG Seeds	C1530R2	1.5	RR2	*35	1.0	7-Oct	34.5	20.2	--	--	--	--	--
NuTech/G2 Genetics	6143	1.4	RR1	26	1.0	30-Sep	34.9	19.3	--	--	--	--	--
Public	Sheyenne	0.8	CN	27	1.0	23-Sep	34.3	19.6	*46	1.0	8-Sep	33.2	19.8
Public	MN1410	1.4	CN	34	1.0	11-Oct	35.8	19.8	42	1.0	13-Sep	35.6	18.6
Public	IA1006	1.6	CN	*40	1.0	7-Oct	33.4	19.6	39	1.0	13-Sep	34.6	18.7
Public	IA1022	1.7	CN	33	1.0	9-Oct	32.1	21.1	*44	1.0	17-Sep	33.9	19.6
Public	IAR1901 BSR	1.9	CN	31	1.0	4-Oct	34.3	19.5	--	--	--	--	--
Public	IA2105	2.1	CN	34	1.0	11-Oct	33.6	19.0	--	--	--	--	--
Renk	RS183NR2	1.8	RR2	30	1.0	7-Oct	34.2	19.3	--	--	--	--	--
Tracy	1113LL	1.1	LL	31	1.0	4-Oct	35.1	19.6	*43	1.0	13-Sep	35.8	19.1
Tracy	1413LL	1.4	LL	*36	1.0	11-Oct	37.0	19.1	*46	1.0	17-Sep	36.4	18.3
Tracy	1804LL	1.8	LL	*38	1.0	14-Oct	35.1	19.4	--	--	--	--	--
Viking	0.1422	1.4	CN	30	1.0	2-Oct	37.1	18.8	--	--	--	--	--
Viking	0.1544AT	1.5	CN	24	1.0	7-Oct	36.5	18.6	41	1.0	10-Sep	36.0	18.3
Viking	0.1706N	1.7	CN	*39	1.0	4-Oct	33.8	19.3	--	--	--	--	--
Mean				33	1.0	4-Oct	34.7	19.5	43	1.0	14-Sep	35.0	19.0
LSD (0.10)				6	NS	-	0.8	0.3	5	NS	--	1.1	0.5

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

¹ Herbicide Tolerance : CN = conventional herbicide, LL = glufosinate herbicide, RR1/RR2 = glyphosate herbicide

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

Table 8. 2013 Soybean White Mold Test: performance of commercial entries in white mold disease field environment at Arlington, Wisconsin.

Brand	Entry	Maturity Group	2013			2012		
			Yield (bu/A)	White Mold ¹ (%)	Lodging (1-5)	Yield (bu/A)	White Mold (%)	Lodging (1-5)
FS HiSOY	HS 19A32	1.9	*57	20	1.0	--	--	--
FS HiSOY	HS 20A22	2.0	56	11	1.0	*50	0	1.0
FS HiSOY	HS 22A21	2.2	51	65	1.0	*51	0	1.0
FS HiSOY	HS 24A01	2.4	*60	23	1.0	*54	0	1.0
FS HiSOY	HS 24A32	2.4	53	41	1.0	--	--	--
FS HiSOY	HS 25A22	2.5	*58	53	1.0	*51	0	1.0
FS HiSOY	HS 26A32	2.6	*64	15	1.0	--	--	--
Pioneer	90Y90	0.9	55	3	1.0	42	0	1.0
Pioneer	P22T69R	2.2	*61	13	1.0	--	--	--
Pioneer	92Y51	2.5	*62	11	1.0	46	0	1.0
Mean			58	25	1.0	48	0	1.0
LSD (0.10)			7	27	NS	4	NS	NS

* 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

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

Table 9. 2013 Seed Source for Soybean Entries

Brand Name	Company	Phone Number	Website
Asgrow	Monsanto Company	(563) 275-0722	www.asgrowanddekalb.com
Bio Gene	Van Treeck's Seed Farm	(920) 467-2422	--
Blue River	Blue River Hybrids	(800) 370-7979	www.blueriverorgseed.com
Channel	Channel	(507) 696-1161	www.channel.com
Dairyland	Dairyland Seed Company Inc.	(217) 972-9839	www.dairylandseed.com
Dyna-Gro	Dyna-Gro Seed	(614) 761-4110	www.dynagroseed.com
eMerge	Schillinger Genetics	(515) 225-6164	www.grownongmo.com
FS Hisoy	Growmark Inc.	(309) 557-6399	www.fsseed.com
NuTech/G2 Genetics	NuTech Seed LLC	(515) 232-1997	www.yieldleader.com
Great Lakes	Great Lakes Hybrids	(608) 574-0711	www.greatlakeshybrids.com
Hughes	Burrus Bros & Associated Growers	(217) 997-5511	www.hugheshybrids.com
Jung	Jung Seed Genetics	(920) 326-5891	www.jungseedgenetics.com
Legacy	Legacy Seeds Inc.	(715) 412-2588	www.legacyseeds.com
Legend Seeds	Legend Seeds	(715) 821-0907	www.legendseeds.net
LG Seeds	LG Seeds	(507) 301-5498	www.lgseeds.com
Mark	Partners in Production, LLC	(877) GRO-SEED	www.pipseeds.com
Mycogen	Mycogen Seeds	(715) 210-2788	www.mycogen.com
NK Brand	Syngenta	(608) 635-5108	www.syngentaseeds.com
O'Brien	O'Brien Hybrids	(608) 576-3685	www.obrienhybrids.com
Pioneer	DuPont Pioneer	(507) 625-3045	www.pioneer.com
PiP	Partners in Production, LLC	(877) GRO-SEED	www.pipseeds.com
Power Plus	Burrus Bros & Associated Growers	(217) 997-5511	www.hugheshybrids.com
Public	WCIA / Foundation Seeds	(608) 262-1341	wcia.wisc.edu
Renk	Renk Seed	(800) 289-7365	www.renkseed.com
Steyer	Partners in Production, LLC	(877) GRO-SEED	www.pipseeds.com
Titan Pro	Titan Pro SCI	(641) 529-6101	www.titanprosci.com
Tracy	Tracy Seeds, LLC	(608) 752-2767	www.tracyseeds.com
Viking	Albert Lea Seed	(800) 352-5247	www.alseed.com

Table 10. 2013 Temperature and Precipitation Summary

	Average Mean Temperature (°F)					Total Precipitation (in)					
	May	June	July	August	September	May	June	July	August	September	
Arlington	56.0	64.3	68.7	66.5	59.9	6.0	7.5	3.0	1.8	3.0	
Departure	0.3	-1.3	-0.7	-0.8	0.6	Departure	2.4	2.8	-1.2	-2.1	-0.6
Chippewa Falls (Eau Claire)	55.8	65.7	71.7	70.9	63.3	9.3	5.9	0.6	1.1	1.8	
Departure	-1.8	-1.2	0.1	1.6	3.1	Departure	5.8	1.7	-3.2	-3.4	-1.9
Fond du Lac	56.2	64.7	69.6	68.5	61.5	4.4	5.1	2.8	2.4	3.4	
Departure	-0.1	-1.3	-0.8	-0.1	0.8	Departure	1.2	1.1	-0.7	-1.1	0.0
Galesville (Trempealeau)	59.5	67.6	72.9	72.1	66.2	9.5	4.1	2.9	1.5	1.5	
Departure	0.2	-0.9	0.2	1.6	4.1	Departure	5.8	0.3	-1.5	-3.0	-2.3
Hancock ¹	57.6	64.4	70.6	68.6	62.2	5.0	5.3	1.9	1.9	2.1	
Departure	0.8	-2.1	0.3	0.3	2.2	Departure	1.2	0.8	-2.5	-2.2	-1.3
						Irrigation	--	0.5	5.5	6.3	3.0
Janesville (Beloit)	59.3	66.2	70.2	69.4	63.5	3.9	8.7	0.5	1.7	1.3	
Departure	0.6	-2.4	-2.3	-1.4	0.6	Departure	0.1	3.9	-3.3	-2.6	-2.3
Lancaster	59.3	67.2	71.2	70.4	65.0	5.7	7.9	1.9	1.6	3.2	
Departure	2.0	0.3	0.4	1.4	4.2	Departure	1.5	2.6	-2.4	-2.6	0.0
Marshfield	55.7	64.3	69.6	68.5	61.2	6.6	4.7	2.4	1.1	3.3	
Departure	-0.4	-1.5	-0.5	0.4	2.1	Departure	3.0	0.3	-1.6	-3.2	-0.6
Seymour (Green Bay)	56.3	65.8	70.5	68.6	60.9	3.7	3.8	3.4	3.1	2.9	
Departure	0.1	0.3	0.7	0.1	1.1	Departure	0.8	-0.1	-0.2	-0.3	-0.2
Spooner ¹	53.6	64.5	69.5	68.5	61.8	4.0	9.3	1.7	0.8	1.9	
Departure	-2.1	-0.4	0.2	1.2	3.5	Departure	0.6	5.3	-2.4	-3.4	-1.9
						Irrigation	--	--	2.0	1.8	1.3

¹Irrigation 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. 2013 Characteristics of Soybean Varieties (1 of 8).

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, Poncho/VOTiVO	--	Rps 3-a	P	LTW	T	BR
Asgrow	AG 0934	0.9	RR2	Table 5	Acceleron, Poncho/VOTiVO	PI 88788	Rps 3-a	P	LTW	BR	BR
Asgrow	AG 1132	1.1	RR2	Table 5	Acceleron, Poncho/VOTiVO	--	Rps 1-c	P	LTW	T	BR
Asgrow	AG 1234	1.2	RR2	Table 5	Acceleron, Poncho/VOTiVO	PI 88788	Rps 1-c	P	LTW	BR	B
Asgrow	AG 1431	1.4	RR2	Tables 4,7	Acceleron, Poncho/VOTiVO	PI 88788	Rps 1-c	P	LTW	BR	B
Asgrow	AG 1534	1.5	RR2	Table 4	Acceleron, Poncho/VOTiVO	--	Rps 1-c	P	LTW	BR	B
Asgrow	AG 1733	1.7	RR2	Tables 3,4	Acceleron, Poncho/VOTiVO	PI 88788	Rps 1-c	P	G	BR	IB
Asgrow	AG 1832	1.8	RR2	Table 3	Acceleron, Poncho/VOTiVO	--	Rps 1-k	W	G	BR	BF
Asgrow	AG 2031	2.0	RR2	Tables 2,3	Acceleron, Poncho/VOTiVO	PI 88788	Rps 1-c	P	G	BR	IB
Asgrow	AG 2134	2.1	RR2	Tables 2,3	Acceleron, Poncho/VOTiVO	PI 88788	Rps 1-k	P	LTW	BR	B
Asgrow	AG 2232	2.2	RR2	Table 3	Acceleron, Poncho/VOTiVO	PI 88788	Rps 1-c	P	LTW	BR	B
Asgrow	AG 2433	2.4	RR2	Tables 2,3	Acceleron, Poncho/VOTiVO	--	Rps 1-c	P	TW	T	B
Asgrow	AG 2534	2.5	RR2	Table 2	Acceleron, Poncho/VOTiVO	PI 88788	Rps 1-k	P	G	T	BF
Asgrow	AG 2733	2.7	RR2	Table 2	Acceleron, Poncho/VOTiVO	PI 88788	Rps 1-c	P	LTW	BR	B
Asgrow	AG 2834	2.8	RR2	Table 2	Acceleron, Poncho/VOTiVO	PI 88788	Rps 1-k	P	G	T	B
Bio Gene	BG1300R2Y	1.3	RR2	Table 5	Acceleron	--	--	--	--	--	--
Bio Gene	BG7151R2Y	1.5	RR2	Table 4	Acceleron	--	--	--	--	--	--
Bio Gene	BG7200R2Y	2.0	RR2	Table 3	Acceleron	--	Rps 1-c	--	--	--	--
Blue River	06F8	0.6	CN	Table 7	None	--	--	--	--	--	--
Blue River	12A2	1.2	CN	Table 7	None	--	--	--	--	--	--
Blue River	15AR3	1.5	CN	Table 7	None	--	--	--	--	--	--
Blue River	17C2	1.7	CN	Table 7	None	--	--	--	--	--	--
Blue River	19AR1	1.9	CN	Table 6	None	--	--	--	--	--	--
Blue River	21F3	2.1	CN	Table 6	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

All characteristic information is provided by the originator. ¹ Herbicide Tolerance: CN = conventional herbicide, LL = glufosinate herbicide, RR1/RR2 = glyphosate 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. 2013 Characteristics of Soybean Varieties (2 of 8).

Brand	Entry	Maturity Group	Herbicide Tolerance ¹	Performance Shown in:	Seed treatment	SCN Source ²	PRR Genes ³	Color ⁴			
								Flower	Pubescence	Pod	Hilum
Blue River	30C3	3.0	CN	Table 6	None	--	--	--	--	--	--
Channel	0605R2 Brand	0.6	RR2	Table 5	Acceleron, Poncho/VOTiVO	PI 88788	Rps 3-a	P	TW	BR	BR
Channel	0906R2 Brand	0.9	RR2	Table 5	Acceleron, Poncho/VOTiVO	PI 88788	Rps 3-a	P	LTW	BR	BR
Channel	1405R2 Brand	1.6	RR2	Table 4	Acceleron, Poncho/VOTiVO	PI 88788	Rps 1-c	P	LTW	BR	B
Channel	1805R2 Brand	1.8	RR2	Table 4	Acceleron, Poncho/VOTiVO	PI 88788	Rps 1-c	P	LTW	BR	B
Channel	2105R2 Brand	2.1	RR2	Table 3	Acceleron, Poncho/VOTiVO	PI 88788	Rps 1-c	P	LTW	BR	B
Channel	2306R2 Brand	2.3	RR2	Table 2	Acceleron, Poncho/VOTiVO	PI 88788	Rps 1-k	P	G	T	IB
Channel	2607R2 Brand	2.6	RR2	Table 2	Acceleron, Poncho/VOTiVO	PI 88788	Rps 1-c	W	G	BR	BF
Dairyland	DSR-0606/R2Y	0.6	RR2	Table 5	CruiserMaxx, Optimize	--	Rps 1-c	P	LTW	BR	B
Dairyland	DSR-0904/R2Y	0.9	RR2	Tables 4,5	CruiserMaxx, Optimize	PI 88788	Rps 3-a	P	LTW	BR	B
Dairyland	DSR-1120/R2Y	1.1	RR2	Tables 3,4	CruiserMaxx, Optimize	--	Rps 1-k	P	LTW	BR	B
Dairyland	DSR-1215/R2Y	1.2	RR2	Tables 3,4	CruiserMaxx, Optimize	--	Rps 1-c	P	LTW	BR	B
Dairyland	DSR-1515/R2Y	1.5	RR2	Tables 2,3,4	CruiserMaxx, Optimize	PI 88788	Rps 1-k	P	G	BR	IB
Dairyland	DSR-1808/R2Y	1.8	RR2	Tables 2,3,4	CruiserMaxx, Optimize	PI 88788	Rps 1-c	P	G	BR	IB
Dairyland	DSR-2105/R2Y	2.1	RR2	Tables 2,3	CruiserMaxx, Optimize	PI 88788	Rps 1-k	P	G	T	IB
Dairyland	DSR-2250/R2Y	2.2	RR2	Tables 2,3	CruiserMaxx, Optimize	PI 88788	Rps 1-k	P	LTW	BR	B
Dairyland	DSR-2340/R2Y	2.3	RR2	Tables 2,3	CruiserMaxx, Optimize	PI 88788	Rps 1-c	P	LTW	BR	BR
Dairyland	DSR-2411/R2Y	2.4	RR2	Tables 2,3,6	CruiserMaxx, Optimize	--	Rps 1-c	P	G	BR	BF
Dairyland	DSR-2612/R2Y	2.6	RR2	Table 2	CruiserMaxx, Optimize	PI 88788	Rps 1-k	P	G	BR	IB
Dyna-Gro	S12RY44	1.2	RR2	Table 4	Acceleron, imidacloprid	--	--	--	--	--	--
Dyna-Gro	S15RY53	1.5	RR2	Table 4	Acceleron, imidacloprid	PI 88788	Rps 1-c	P	LTW	BR	B
Dyna-Gro	34RY17	1.7	RR2	Table 3	Acceleron, imidacloprid	PI 88788	Rps 1-k	P	G	T	IB
Dyna-Gro	S19RY84	1.9	RR2	Table 3	Acceleron, imidacloprid	--	--	--	--	--	--
Dyna-Gro	S20RY94	2.0	RR2	Table 3	Acceleron, imidacloprid	--	--	--	--	--	--
Dyna-Gro	S22RY64	2.2	RR2	Table 3	Acceleron, imidacloprid	--	--	--	--	--	--
Dyna-Gro	S24RY73	2.4	RR2	Table 2	Acceleron, imidacloprid	--	--	--	--	--	--
Dyna-Gro	S25RY44	2.5	RR2	Table 2	Acceleron, imidacloprid	--	--	--	--	--	--

All characteristic information is provided by the originator. ¹ Herbicide Tolerance : CN = conventional herbicide, LL = glufosinate herbicide, RR1/RR2 = glyphosate 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. 2013 Characteristics of Soybean Varieties (3 of 8).

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	S27RY03	2.7	RR2	Table 2	Acceleron, imidacloprid	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
FS HiSOY	HS 15A32	1.5	RR2	Tables 2,3,4	CruiserMaxx	PI 88788	Rps 1-c	P	LTW	BR	B
FS HiSOY	HS 19A32	1.9	RR2	Tables 2,3,4,8	CruiserMaxx	PI 88788	Rps 1-c	P	G	T	IB
FS HiSOY	HS 20A22	2.0	RR2	Tables 2,3,8	CruiserMaxx	PI 88788	Rps 1-c	P	G	BR	IB
FS HiSOY	HS 22A21	2.2	RR2	Tables 2,3,8	CruiserMaxx	PI 88788	Rps 1-k	P	LTW	BR	IB
FS HiSOY	HS 24A01	2.4	RR2	Tables 2,3,8	CruiserMaxx	S	Rps 1-c	P	G	BR	BF
FS HiSOY	HS 24A32	2.4	RR2	Tables 2,3,8	CruiserMaxx	PI 88788	Rps 1-c	P	LTW	BR	BR
FS HiSOY	HS 25A22	2.5	RR2	Tables 2,6,8	CruiserMaxx	PI 88788	Rps 1-c	W	G	BR	IB
FS HiSOY	HS 26A32	2.6	RR2	Tables 2,8	CruiserMaxx	PI 88788	Rps 1-c	P	TW	T	B
Great Lakes	GL0609R2	0.6	RR2	Table 4	Acceleron, Poncho/VOTiVO	PI 88788	Rps 1-k	P	LTW	T	BR
Great Lakes	GL0900R2	0.9	RR2	Table 4	Acceleron, Poncho/VOTiVO	S	Rps 1-c	P	LTW	BR	B
Great Lakes	GL1689R2	1.6	RR2	Table 4	Acceleron, Poncho/VOTiVO	PI 88788	Rps 1-c	P	LTW	BR	B
Great Lakes	GL2069R2	2.0	RR2	Table 3	Acceleron, Poncho/VOTiVO	PI 88788	Rps 1-k	W	G	BR	BF
Great Lakes	GL2289R2	2.2	RR2	Table 3	Acceleron, Poncho/VOTiVO	PI 88788	Rps 1-c	P	G	BR	IB
Great Lakes	GL2319R2	2.3	RR2	Table 3	Acceleron, Poncho/VOTiVO	PI 88788	Rps 1-k	P	LTW	BR	B
Hughes	201	2.1	RR1	Table 2	EverGol Energy, Allegiance, imidacloprid	S	S	W	LTW	BR	B
Jung	1215RR2	2.1	RR2	Table 2	Acceleron, Excalibre-SA	PI 88788	Rps 1-k	P	LTW	BR	B
Jung	1249RR2	2.4	RR2	Table 2	Acceleron, Excalibre-SA	PI 88788	Rps 1-c	P	G	BR	IB
Jung	1250RR2	2.5	RR2	Table 2	Acceleron, Excalibre-SA	PI 88788	Rps 1-c	P	G	BR	BF
Legacy	LS0710RR2	0.7	RR2	Table 5	L-Coat Plus	--	Rps 1-c	P	G	BR	IB
Legacy	LS0833NRR2	0.8	RR2	Tables 4,5	L-Coat Plus	--	--	--	--	--	--
Legacy	LS1033RR2	1.0	RR2	Tables 4,5	L-Coat Plus	--	--	--	--	--	--
Legacy	LS1321RR2	1.3	RR2	Tables 4,5	L-Coat Plus	--	Rps 1-c	P	LTW	BR	B
Legacy	LS1533NRR2	1.5	RR2	Tables 3,4	L-Coat Plus	--	--	--	--	--	--
Legacy	LS1710RR2	1.7	RR2	Tables 3,4	L-Coat Plus	PI 88788	--	P	G	T	B

All characteristic information is provided by the originator. ¹ Herbicide Tolerance : CN = conventional herbicide, LL = glufosinate herbicide, RR1/RR2 = glyphosate 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. 2013 Characteristics of Soybean Varieties (4 of 8).

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	LS2012NRR2	2.0	RR2	Tables 3,4	L-Coat Plus	--	--	P	G	BR	IB
Legacy	LS202LL	2.0	LL	Table 6	L-Coat Plus	--	--	P	LTW	T	B
Legacy	LSC2013	2.0	CN	Table 6	L-Coat Plus	--	--	--	--	--	--
Legacy	LS222NLL	2.2	LL	Table 6	L-Coat Plus	--	--	--	--	--	--
Legacy	LS2233NRR2	2.2	RR2	Table 3	L-Coat Plus	--	--	--	--	--	--
Legacy	LS2313NRR2	2.3	RR2	Tables 2,3	L-Coat Plus	--	--	--	--	--	--
Legacy	LS2412NRR2	2.4	RR2	Table 2	L-Coat Plus	--	--	P	LTW	T	B
Legacy	LS2812NRR2	2.8	RR2	Table 2	L-Coat Plus	--	--	P	LTW	T	B
Legend Seeds	LS 08R22N	0.8	RR2	Tables 4,7	CruiserMaxx, Quickroots	PI 88788	Rps 3-a	--	--	--	--
Legend Seeds	LS 14R22N	1.4	RR2	Table 4	CruiserMaxx, Quickroots	PI 88788	Rps 1-c	--	--	--	--
Legend Seeds	LS 17R23N	1.7	RR2	Tables 3,4	CruiserMaxx, Quickroots	PI 88788	Rps 1-k	--	--	--	--
Legend Seeds	LS 20R20N	2.0	RR2	Table 3	CruiserMaxx, Quickroots	PI 88788	Rps 1-k	--	--	--	--
Legend Seeds	LS 23R22N	2.3	RR2	Table 3	CruiserMaxx, Quickroots	PI 88788	--	--	--	--	--
LG Seeds	C0911R2	0.9	RR2	Table 5	Acceleron, Poncho/VOTiVO	S	Rps 3-a	P	LTW	T	B
LG Seeds	C1530R2	1.5	RR2	Tables 4,7	Acceleron, Poncho/VOTiVO	PI 88788	Rps 1-c	P	LTW	BR	B
LG Seeds	C1780R2	1.7	RR2	Table 4	Acceleron, Poncho/VOTiVO	PI 88788	Rps 1-c	P	G	BR	IB
LG Seeds	C1917R2	1.9	RR2	Table 3	Acceleron, Poncho/VOTiVO	PI 88788	Rps 1-c/1-k	P	LTW	BR	B
LG Seeds	C2222R2	2.2	RR2	Tables 2,3	Acceleron, Poncho/VOTiVO	PI 88788	Rps 1-k	P	LTW	BR	B
LG Seeds	C2333R2	2.3	RR2	Table 2	Acceleron, Poncho/VOTiVO	PI 88788	Rps 1-c	P	TW	T	B
LG Seeds	C2500R2	2.5	RR2	Table 2	Acceleron, Poncho/VOTiVO	PI 88788	Rps 3-a	W	LTW	T	BR
Mark	2410 R2	2.4	RR2	Tables 2,3	CruiserMaxx	--	--	--	--	--	--
Mycogen	5B066R2	0.6	RR2	Table 5	CruiserMaxx	--	--	--	--	--	--
Mycogen	5B080R2	0.8	RR2	Table 5	CruiserMaxx	--	--	--	--	--	--
Mycogen	5N091R2	0.9	RR2	Table 4	CruiserMaxx	--	--	--	--	--	--
Mycogen	5B112R2	1.1	RR2	Table 4	CruiserMaxx	--	--	--	--	--	--
Mycogen	5N122R2	1.2	RR2	Table 4	CruiserMaxx	--	--	--	--	--	--
Mycogen	5N155R2	1.5	RR2	Tables 3,4	CruiserMaxx	PI 88788	Rps 1-c	P	G	BR	IB

All characteristic information is provided by the originator. ¹ Herbicide Tolerance : CN = conventional herbicide, LL = glufosinate herbicide, RR1/RR2 = glyphosate 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. 2013 Characteristics of Soybean Varieties (5 of 8).

Brand	Entry	Maturity Group	Herbicide Tolerance ¹	Performance Shown in:	Seed treatment	SCN Source ²	PRR Genes ³	Color ⁴			
								Flower	Pubescence	Pod	Hilum
Mycogen	5N180R2	1.8	RR2	Table 3	CruiserMaxx	PI 88788	Rps 1-c	P	G	BR	IB
Mycogen	5N206R2	2.0	RR2	Table 3	CruiserMaxx	--	--	--	--	--	--
Mycogen	5N210R2	2.1	RR2	Tables 2,3	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	5N262R2	2.6	RR2	Table 2	CruiserMaxx	--	--	--	--	--	--
NK Brand	S04-D3 Brand	0.4	RR2	Table 5	CruiserMaxx	S	Rps 1-c	P	LTW	T	B
NK Brand	S10-P9 Brand	1.0	RR2	Tables 4,5	CruiserMaxx	S	Rps 3-a	P	LTW	T	BR
NK Brand	S14-J7 Brand	1.4	RR2	Table 4	CruiserMaxx	S	Rps 3-a	P	LTW	T	B
NK Brand	S17-B3 Brand	1.7	RR2	Tables 3,4	CruiserMaxx	PI 88788	--	P	LTW	T	B
NK Brand	S18-C2 Brand	1.8	RR2	Table 3	CruiserMaxx	PI 88788	--	P	LTW	T	B
NK Brand	S20-T6 Brand	2.0	RR2	Tables 2,3	CruiserMaxx	PI 88788	Rps 1-c	W	LTW	BR	B
NK Brand	S22-F8 Brand	2.2	RR2	Tables 2,3	CruiserMaxx	S	--	P	G	BR	IB
NK Brand	S22-S1 Brand	2.2	RR2	Table 2	CruiserMaxx	PI 88788	Rps 1-c	W	LTW	BR	B
NK Brand	S24-K2 Brand	2.4	RR2	Table 2	CruiserMaxx	S	Rps 1-c	W	G	BR	BF
NK Brand	S25-E5 Brand	2.5	RR2	Tables 2,3	CruiserMaxx	PI 88788	Rps 1-c	P	LTW	BR	B
NK Brand	S27-H6 Brand	2.7	RR1	Table 2	CruiserMaxx	PI 88788	Rps 1-a	W	LTW	BR	B
NuTech/G2 Genetics	7063	0.6	RR1	Tables 4,5	SmartCote Extra	Peking	Rps 1-c	P	LTW	T	B
NuTech/G2 Genetics	6093	0.9	RR1	Tables 4,5	SmartCote Extra	S	Rps 1-k	P	LTW	T	B
NuTech/G2 Genetics	7110	1.1	RR1	Table 4	SmartCote Extra	Peking	Rps 1-c	P	TW	BR	BR
NuTech/G2 Genetics	6143	1.4	RR1	Tables 3,4,7	None	S	Rps 1-c	P	LTW	BR	BR
NuTech/G2 Genetics	7171	1.7	RR1	Tables 2,3,4	SmartCote Extra	PI 88788	Rps 1-k	P	LTW	BR	B
NuTech/G2 Genetics	7183	1.8	RR1	Tables 2,3,4	SmartCote Extra	PI 88788	Rps 1-c	P	LTW	BR	BR
NuTech/G2 Genetics	7208	2.0	RR1	Tables 2,3	SmartCote Extra	PI 88788	Rps 1-c	M	TW	BR	B
NuTech/G2 Genetics	7213	2.1	RR1	Tables 2,3	SmartCote Extra	PI 88788	Rps 1-c	P	LTW	BR	B
NuTech/G2 Genetics	7230	2.3	RR1	Tables 2,3	SmartCote Extra	PI 88788	Rps 1-c	W	LTW	BR	B
NuTech/G2 Genetics	7240	2.4	RR1	Tables 2,3	SmartCote Extra	Peking	Rps 1-k	P	LTW	T	BR
NuTech/G2 Genetics	7250	2.5	RR1	Table 2	SmartCote Extra	Peking	Rps 1-k	P	G	BR	BF

All characteristic information is provided by the originator. ¹ Herbicide Tolerance: CN = conventional herbicide, LL = glufosinate herbicide, RR1/RR2 = glyphosate 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. 2013 Characteristics of Soybean Varieties (6 of 8).

Brand	Entry	Maturity Group	Herbicide Tolerance ¹	Performance Shown in:	Seed treatment	SCN Source ²	PRR Genes ³	Color ⁴			
								Flower	Pubescence	Pod	Hilum
NuTech/G2 Genetics	7261	2.6	RR1	Table 2	SmartCote Extra	Peking	Rps 1-k	P	G	BR	BF
NuTech/G2 Genetics	7273	2.7	RR1	Tables 2,6	SmartCote Extra	PI 88788	Rps 1-k	P	G	T	IB
O'Brien	O'SOY172NR2Y	1.7	RR2	Tables 2,3,4	CruiserMaxx	PI 88788	Rps 1-k	P	G	T	B
O'Brien	O'SOY185NR2Y	1.9	RR2	Tables 2,3	CruiserMaxx	PI 88788	Rps 1-c	P	G	BR	B
O'Brien	O'SOY245NR2Y	2.4	RR2	Tables 2,3	CruiserMaxx	PI 88788	Rps 1-c	P	T	M	BR
Pioneer	90Y90	0.9	RR1	Tables 5,8	Gaucho, Apron, EverGol Energy, PPST 2030, PPST 120+	--	Rps 1-c	P	LTW	BR	BR
Pioneer	91Y01	1.0	RR1	Table 5	Gaucho, Apron, EverGol Energy, PPST 2030, PPST 120+	--	Rps 1-c	P	G	BR	BF
Pioneer	91Y30	1.3	RR1	Table 4	Gaucho, Apron, EverGol Energy, PPST 2030, PPST 120+	--	Rps 1-c	P	TW	BR	B
Pioneer	P16T04R	1.6	RR1	Table 4	Gaucho, Apron, EverGol Energy, PPST 2030, PPST 120+	--	Rps 1-k	P	LTW	T	BR
Pioneer	P19T60R	1.9	RR1	Tables 3,4	Gaucho, Apron, EverGol Energy, PPST 2030, PPST 120+	PI 88788	Rps 1-c	P	LTW	BR	B
Pioneer	92Y22	2.2	RR1	Tables 2,3	Gaucho, Apron, EverGol Energy, PPST 2030, PPST 120+	PI 88788	Rps 1-k	P	TW	BR	BR
Pioneer	P22T69R	2.2	RR1	Tables 2,3,8	Gaucho, Apron, EverGol Energy, PPST 2030, PPST 120+	Peking	Rps 1-k	P	LTW	BR	B
Pioneer	P24T19R	2.4	RR1	Tables 2,3	Gaucho, Apron, EverGol Energy, PPST 2030, PPST 120+	PI 88788	Rps 1-k	P	G	BR	BF
Pioneer	92Y51	2.5	RR1	Tables 2,3,8	Gaucho, Apron, EverGol Energy, PPST 2030, PPST 120+	PI 88788	Rps 1-k	P	LTW	T	B
Pioneer	92Y83	2.8	RR1	Tables 2,6	Gaucho, Apron, EverGol Energy, PPST 2030, PPST 120+	PI 88788	Rps 1-k	W	LTW	T	B
Pioneer	P28T33R	2.8	RR1	Table 2	Gaucho, Apron, EverGol Energy, PPST 2030, PPST 120+	PI 88788	Rps 1-k	P	LTW	BR	BR
PiP	232 LL	2.3	LL	Table 6	CruiserMaxx	--	--	--	--	--	--
Power Plus	25H4	2.5	RR1	Table 2	EverGol Energy, Allegiance, imidacloprid	PI 88788	Rps 1-k	--	LTW	BR	--

All characteristic information is provided by the originator. ¹ Herbicide Tolerance: CN = conventional herbicide, LL = glufosinate herbicide, RR1/RR2 = glyphosate 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. 2013 Characteristics of Soybean Varieties (7 of 8).

Brand	Entry	Maturity Group	Herbicide Tolerance ¹	Performance Shown in:	Seed treatment	SCN Source ²	PRR Genes ³	Color ⁴			
								Flower	Pubescence	Pod	Hilum
Power Plus	25G3	2.5	RR1	Table 2	EverGol Energy, Allegiance, imidacloprid	Peking	Rps 1-k	P	G	BR	BF
ProHarvest	1671R2Y	1.6	RR2	Table 4	Trilex 6000	--	--	--	--	--	--
ProHarvest	2371CR2Y	2.3	RR2	Table 2	Trilex 6000	--	--	--	--	--	--
Public	Sheyenne	0.8	CN	Tables 6,7	Bio-Forge, Gaucho, Trilex	--	Rps 1-c	P	G	BR	Y
Public	MN1410	1.4	CN	Tables 6,7	Bio-Forge, Gaucho, Trilex	--	Rps 1-k	W	G	--	BF
Public	IA1006	1.6	CN	Tables 6,7	Bio-Forge, Gaucho, Trilex	--	--	W	TW	BR	B
Public	IA1022	1.7	CN	Tables 6,7	Bio-Forge, Gaucho, Trilex	--	--	P	G	T	Y
Public	IAR1901 BSR	1.9	CN	Tables 6,7	Bio-Forge, Gaucho, Trilex	--	--	--	--	--	--
Public	IA2105	2.1	CN	Tables 6,7	Bio-Forge, Gaucho, Trilex	--	--	--	--	--	--
Renk	RS053R2	0.5	RR2	Table 5	CruiserMaxx, Optimize	--	--	--	--	--	--
Renk	RS082R2	0.8	RR2	Table 5	CruiserMaxx, Optimize	--	Rps 3-a	P	TW	BR	BR
Renk	RS084NR2	0.8	RR2	Table 5	CruiserMaxx, Optimize	--	--	--	--	--	--
Renk	RS104R2	1.0	RR2	Tables 4,5	None	--	--	--	--	--	--
Renk	RS153NR2	1.5	RR2	Table 4	CruiserMaxx, Optimize	PI 88788	Rps 1-c	P	LTW	BR	B
Renk	RS183NR2	1.8	RR2	Tables 3,4,7	CruiserMaxx, Optimize	PI 88788	Rps 1-c	P	G	BR	IB
Renk	RS184NR2	1.8	RR2	Tables 3,4	None	--	--	--	--	--	--
Renk	RS213NR2	2.1	RR2	Table 3	CruiserMaxx, Optimize	PI 88788	Rps 1-c	P	LTW	BR	IB
Renk	RS224NR2	2.2	RR2	Table 3	None	--	--	--	--	--	--
Renk	RS241R2	2.4	RR2	Tables 2,3	CruiserMaxx, Optimize	--	Rps 1-c	P	G	BR	BF
Renk	RS244NR2	2.4	RR2	Tables 2,3	None	--	--	--	--	--	--
Renk	RS274NR2	2.7	RR2	Table 2	None	--	--	--	--	--	--
Renk	RS283NR2	2.8	RR2	Table 2	None	--	--	--	--	--	--
Steyer	1611 R2	1.6	RR2	Tables 3,4	CruiserMaxx	--	--	--	--	--	--
Steyer	2004 R2	2.0	RR2	Table 3	CruiserMaxx	--	--	--	--	--	--
Steyer	2204 R2	2.2	RR2	Tables 2,3	CruiserMaxx	--	--	--	--	--	--
Steyer	2603 R2	2.6	RR2	Tables 2,6	CruiserMaxx	--	--	--	--	--	--
Titan Pro	TP-18R73	1.8	RR2	Table 2	CruiserMaxx	PI 88788	--	P	G	--	IB
Titan Pro	TP-19R23	1.9	RR2	Table 2	None	PI 88788	--	W	G	--	BF

All characteristic information is provided by the originator. ¹ Herbicide Tolerance: CN = conventional herbicide, LL = glufosinate herbicide, RR1/RR2 = glyphosate 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. 2013 Characteristics of Soybean Varieties (8 of 8).

Brand	Entry	Maturity Group	Herbicide Tolerance ¹	Performance Shown in:	Seed treatment	SCN Source ²	PRR Genes ³	Color ⁴			
								Flower	Pubescence	Pod	Hilum
Titan Pro	20M1	2.0	RR2	Table 2	CruiserMaxx	PI 88788	--	P	G	--	IB
Titan Pro	TP-21R63	2.1	RR2	Table 2	CruiserMaxx	PI 88788	--	P	LTW	--	B
Titan Pro	22M12	2.2	RR2	Table 2	CruiserMaxx	PI 88788	--	P	G	--	IB
Titan Pro	TP-22R13	2.2	RR2	Table 2	CruiserMaxx	PI 88788	--	--	--	--	--
Titan Pro	23M9	2.3	RR2	Table 2	CruiserMaxx	--	--	P	G	--	BF
Titan Pro	24M21	2.4	RR2	Table 2	CruiserMaxx	PI 88788	--	W	TW	--	BR
Titan Pro	25M22	2.5	RR2	Table 2	CruiserMaxx	PI 88788	--	--	--	--	--
Titan Pro	27M32	2.7	RR2	Table 2	CruiserMaxx	PI 88788	--	W	G	--	BR
Tracy	1113LL	1.1	LL	Table 7	Trilex 6000	--	--	--	--	--	--
Tracy	1413LL	1.4	LL	Table 7	Trilex 6000	--	--	--	--	--	--
Tracy	1804LL	1.8	LL	Table 7	Trilex 6000	--	--	--	--	--	--
Tracy	2213LL	2.2	LL	Table 6	Trilex 6000	--	--	--	--	--	--
Tracy	2513LL	2.5	LL	Table 6	Trilex 6000	--	--	--	--	--	--
Tracy	2704LL	2.7	LL	Table 6	Trilex 6000	--	--	--	--	--	--
Viking	0.1422	1.4	CN	Table 7	None	S	Rps 1-k	P	TW	BR	Y
Viking	0.1544AT	1.5	CN	Table 7	None	S	--	P	G	M	IB
Viking	0.1706N	1.7	CN	Table 7	None	--	--	W	TW	BR	B
Viking	0.1718N	1.7	CN	Table 6	None	--	--	W	TW	BR	B
Viking	0.1922N	1.9	CN	Table 6	None	S	--	P	TW	BR	Y
Viking	0.2265	2.2	CN	Table 6	None	S	--	W	TW	BR	BR

All characteristic information is provided by the originator. ¹ Herbicide Tolerance : CN = conventional herbicide, LL = glufosinate herbicide, RR1/RR2 = glyphosate 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.



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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_pests_diseases/.

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A3654 2013 Wisconsin soybean variety test results

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