

WISCONSIN Soybean Variety Performance Trials

2016

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2016 Wisconsin Soybean Performance Trials

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The Wisconsin Soybean Performance Trials are 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, reduced tillage or no-till practices. All performance trials were planted at 160,000 seeds/A, except the white mold trial which was planted at 200,000 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 above average growing conditions across the state in 2016

which resulted in projected record yields across the state. Normal to slightly below normal precipitation in May allowed for rapid soybean planting. This was followed by normal precipitation patterns across most of the state, except parts of southeastern Wisconsin that received below normal precipitation for parts of June, July and August. However, good to excellent growing conditions for most of 2016 led to a projected statewide average soybean yield of 52 bu/A, up 2.5 from 2015. Production is expected to be a record at 101 million bushels, up 8% from the previous record crop of 2015. Source: Sept 12 NASS report.

Growers experienced average to slightly below average temperatures in April and May statewide with below normal temperatures across central and northern WI and slightly above normal temperatures in southern WI through August. From May 1st through September 1st, the crop had accumulated approximately 100 more GDU's (base 50° F) than the 30-year normal in southern WI, and normal GDU's in central and northern WI. Statewide crop conditions were rated at about 70% good to excellent for most of the season.

Above average temperatures helped mature the soybean crop through September however a 7-10 day wet period in October slowed soybean harvest. As of October 25th, 71% of the WI soybean crop had been harvested, which is 13% less than this time

last year but close to the 5-year average. The Hancock sites had light to moderate white mold pressure, and Seymour was plagued by a low to moderate SDS epidemic. The East Troy site was abandoned due to severe plot to plot variation caused by subsoil differences that led to non-uniform drought stress and subsequent stem canker infection.

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 degree angle, 4 = severe lodging, 5 = all plants flat).

Maturity: An entry was considered mature when at least 95% 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

(caused by *Phytophthora sojae*)

There are many races of *P. 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 (caused by *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. White mold was a significant local issue in 2016. The reaction of soybean varieties to the white mold pathogen is expressed as plant mortality in the presence of high white mold pressure and reduced grain yield when incidence is above 10%. Varieties that express 25% or less plant incidence generally yield well in the presence of white mold. However, for every 10% increase in white mold incidence at the R7 growth stage, one can expect yield to be reduced 2-5 bu/A. Results of the white mold 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 best 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. Free SCN soil testing for growers is available through a grant from the Wisconsin Soybean Marketing Board. For more information, email: freescntest@mailplus.wisc.edu

Brown Stem Rot (caused by *Phialophora gregata*)

Brown stem rot (BSR) is a major disease of soybeans in Wisconsin. In 2016, the incidence of BSR was greater 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

(caused by *Fusarium virguliforme*)

Sudden death syndrome (SDS) incidence was more prevalent in 2016 than 2015. SDS is caused by a

fungus. If SCN and SDS are both diagnosed in the same field, damage to the soybean crop can be significant. However, recent studies in Wisconsin suggest that the presence of SCN does not always mean SDS will also be found. The primary symptom of SDS is sudden leaf yellowing and browning during early pod development and then fall from plants. Leaf symptoms of SDS and BSR can be similar, so be sure to cut soybean stems to rule out browning of the internal stem to confirm SDS. SDS tolerance information is available on individual soybean varieties from locations where this disease was noted.

Soybean viruses and insects

Soybean aphids were localized again in 2016. Southeast WI was the hardest hit with many fields reaching economic threshold levels at or near R5 soybean. 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 2017. 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. Symptoms of Tobaccos streak virus (TSV) and Tobacco ringspot virus (TRSV) were also evident in numerous fields. For the second year in a row, symptoms of Soybean vein necrosis virus (SVNV) have been found infrequently.



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

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.

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2016 Soybean Variety Trial Sites

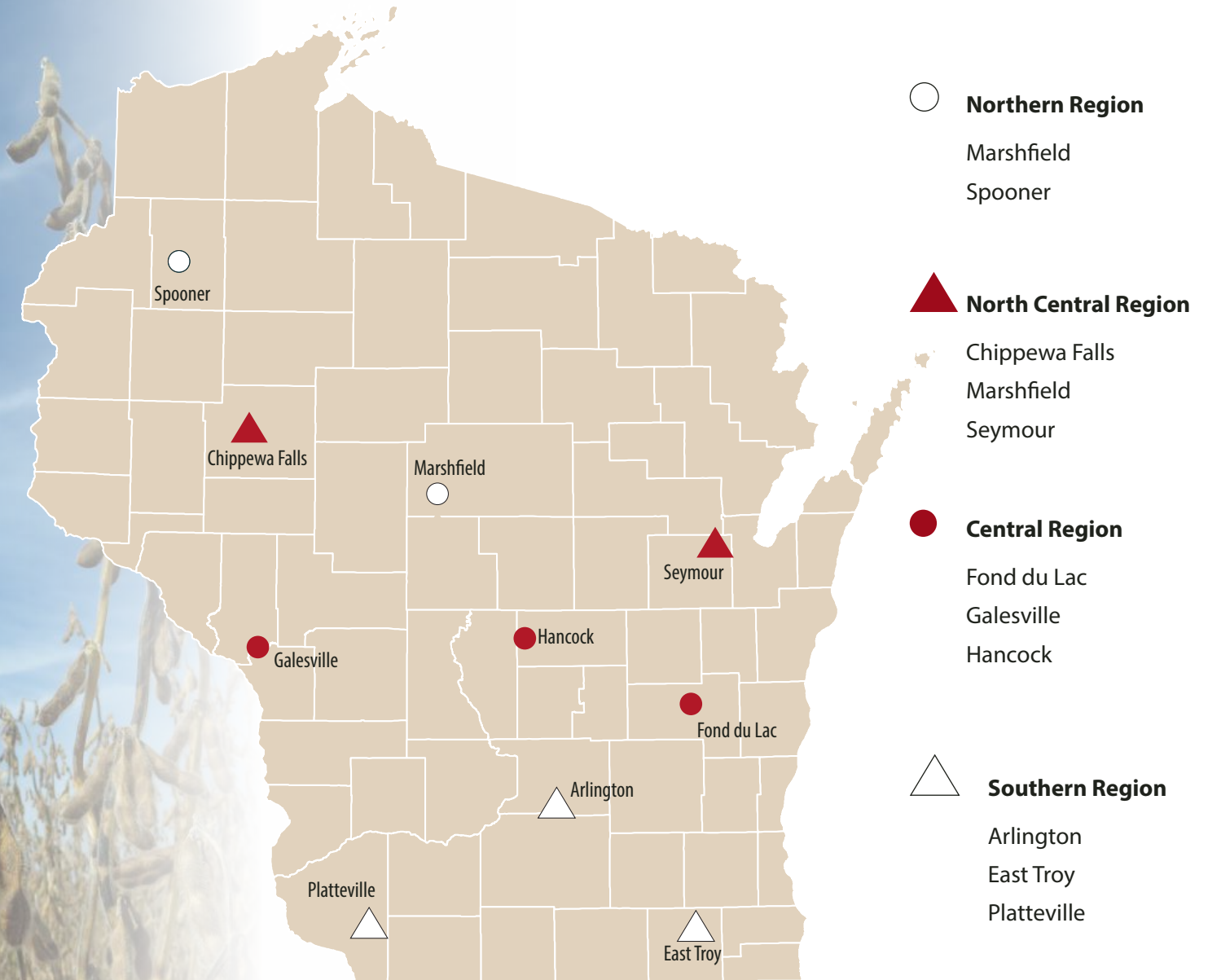


TABLE 1. General Information on the 2016 Soybean Trials

Location: Trial	Cooperators	Row Spacing (in.)	Soil Test Results					Pesticide Application		Dates		Average Yield (bu/A)		
			Soil Texture	pH	OM (%)	P (ppm)	K (ppm)	Pre-emergent / Pre-plant	Post-emergent	Planting	Harvest	2016	2015	2015-16
Arlington: Glyphosate Tolerant	Mike Bertram	15	Silt Loam	7.0	3.4	53	191	Authority First, Medal II	Roundup PowerMAX, Select Max, Warrant	3-May	11-Oct	81	77	79
Arlington: Conventional & Traited Herbicide	Mike Bertram	15	Silt Loam	7.0	3.4	53	191	Authority First, Medal II	Raptor, Select Max, Warrant	3-May	11-Oct	72	70	71
Chippewa Falls: Glyphosate Tolerant	Rooney Farms, Jerry Clark	15	Sandy Loam	6.6	1.1	40	147	Authority First, Dual II Magnum	Roundup PowerMAX, Select Max, Warrant	4-May	14-Oct	78	74	76
Chippewa Falls: Conventional & Traited Herbicide	Rooney Farms, Jerry Clark	15	Sandy Loam	6.6	1.1	40	147	Authority First, Dual II Magnum	Raptor, Warrant	4-May	14-Oct	70	--	70
East Troy: Glyphosate Tolerant	Matt Scurek, Peg Reedy	15	Silt Loam	6.3	5.0	75	323	Authority First, Dual II Magnum	Roundup PowerMAX, Select Max, Warrant	9-May	Abandoned due to drought	--	80	80
Fond du Lac: Glyphosate Tolerant	Ed Montsma	15	Silt Loam	6.9	3.9	19	106	Authority First, Dual II Magnum	Raptor, Select Max, Warrant	4-May	20-Oct	82	68	75
Galesville: Glyphosate Tolerant	Ken Congdon	15	Silt Loam	6.2	3.4	19	178	Authority First, Dual II Magnum	Raptor, Select Max, Warrant	4-May	3-Oct	86	69	78
Hancock: Glyphosate Tolerant	Paul Sytsma	15	Sand	5.4	0.7	78	36	Dual II Magnum	Roundup PowerMAX (2), Select Max, Warrant	2-May	3-Oct	78	73	76
Hancock: White Mold	Paul Sytsma	15	Sand	6.1	0.7	28	81	Dual II Magnum	Cobra, Harmony, Raptor, Select Max, Warrant	2-May	18-Oct	74	67	71
Marshfield: Glyphosate Tolerant (North Central)	Jason Cavadini	15	Silt Loam	6.8	3.4	27	126	First Rate, Parallel	Roundup PowerMAX, Select Max, Warrant	5-May	24-Oct	76	52	64
Marshfield: Glyphosate Tolerant (North)	Jason Cavadini	15	Silt Loam	6.8	3.4	27	126	First Rate, Parallel	Roundup PowerMAX, Select Max, Warrant	5-May	24-Oct	71	54	63
Platteville: Glyphosate Tolerant	Schweigert Family Farms	15	Silt Loam	7.0	3.1	49	186	Authority Max, Extreme	Roundup PowerMAX, Select Max, Warrant	6-May	21-Oct	91	85	88
Platteville: Conventional & Traited Herbicide	Schweigert Family Farms	15	Silt Loam	7.0	3.1	49	186	Authority Max, Extreme	Flexstar, Select Max, Warrant	6-May	21-Oct	83	77	80
Seymour: Glyphosate Tolerant	Mike Maass, Kevin Jarek	15	Silt Loam	7.4	2.5	18	103	Authority First, Dual II Magnum	Roundup PowerMAX, Select Max	3-May	19-Oct	65	65	65
Spooner: Glyphosate Tolerant (Dry Land)	Phil Holman	15	Silt Loam	6.8	1.9	10	114	--	Roundup PowerMAX (2), Dual II Magnum, Select Max	17-May	13-Oct	58	47	53
Spooner: Glyphosate Tolerant (Irrigated)	Phil Holman	15	Sandy Loam	6.7	1.5	45	146	--	Roundup PowerMAX (2), Pursuit	17-May	11-Oct	49	51	50

TABLE 2. 2016 Southern Region Glyphosate Tolerant Soybean Trial:
Performance of commercial entries at three southern Wisconsin locations (1 of 4)

Brand	Entry	Maturity Group	Maturity Date ²	2016 2-Test Average ¹		2016 Yields		2016 Composition ²		2015 3-Test Average ³		2015 Composition ²	
				Yield (bu/A)	Lodging (1-5)	Arlington (bu/A)	Platteville (bu/A)	Protein (%)	Oil (%)	Yield (bu/A)	Lodging (1-5)	Protein (%)	Oil (%)
Asgrow	AG2035	2.0	20-Sep	82	1.5	79	85	36.7	19.5	81	1.0	36.0	19.8
Asgrow	AG21X7	2.1	17-Sep	84	1.3	78	89	34.6	19.0	--	--	--	--
Asgrow	AG2535	2.5	26-Sep	*91	1.0	*87	96	35.5	19.0	82	1.0	34.9	19.5
Asgrow	AG2636	2.6	29-Sep	86	1.0	77	95	34.9	18.8	--	--	--	--
Asgrow	AG2836	2.8	4-Oct	*91	1.5	*88	94	37.3	17.9	*89	1.3	37.0	18.1
Beck's	185R2	1.8	14-Sep	*91	1.1	*84	97	35.0	19.5	--	--	--	--
Beck's	233R4 brand	2.3	25-Sep	84	1.5	81	87	33.2	20.7	--	--	--	--
Beck's	2353X2	2.3	20-Sep	86	1.1	*85	88	36.5	18.7	--	--	--	--
Beck's	255R2	2.5	24-Sep	*93	1.0	83	*103	36.3	18.4	--	--	--	--
Beck's	273R4 brand	2.7	28-Sep	*97	1.1	*90	*103	35.3	19.5	--	--	--	--
Channel	2108R2 Brand	2.1	18-Sep	84	1.3	81	88	35.8	19.7	--	--	--	--
Channel	2306R2 Brand	2.3	17-Sep	83	2.1	77	88	35.0	19.6	*87	1.0	34.3	19.5
Channel	2402R2 Brand	2.4	19-Sep	88	1.4	77	*101	35.5	19.4	80	1.0	35.1	19.3
Cornelius	CB20R44	2.0	25-Sep	*91	1.1	*89	93	36.2	19.5	*86	1.0	35.6	19.7
Cornelius	CB21X22	2.1	18-Sep	83	1.5	79	87	36.2	19.6	--	--	--	--
Cornelius	CB22R34	2.2	26-Sep	87	2.4	*84	90	34.7	18.8	79	1.0	34.7	19.1
Cornelius	CB23X45	2.3	26-Sep	84	1.4	*86	82	36.7	18.5	--	--	--	--
Cornelius	CB24R82	2.4	22-Sep	*93	1.0	*84	*101	36.4	19.7	*83	1.0	35.7	19.7
Cornelius	CB26R30	2.6	28-Sep	*93	1.0	*88	98	36.2	18.5	82	1.0	35.4	19.3
Cornelius	CB27X27	2.7	4-Oct	*91	1.0	82	*100	35.9	18.5	--	--	--	--
Cornelius	CB28R58	2.8	4-Oct	86	1.4	*86	86	35.9	19.2	*85	1.0	35.7	19.4
Credenz	CZ 2788 RY	2.7	4-Oct	*91	1.0	82	*100	37.0	17.9	80	1.3	36.1	18.2
Dairyland	DSR-1526/R2Y	1.5	14-Sep	84	1.0	78	89	35.4	19.8	--	--	--	--
Dairyland	DSR-1721/R2Y	1.7	10-Sep	87	2.2	*84	91	36.2	19.7	79	1.1	35.4	19.7
Dairyland	DSR-1870/R2Y	1.8	13-Sep	85	1.5	83	88	35.6	19.7	--	--	--	--
Dairyland	DSR-2017/R2Y	2.0	15-Sep	78	2.4	79	78	36.3	19.3	--	--	--	--

TABLE 2. CONTINUED. 2016 Southern Region Glyphosate Tolerant Soybean Trial (2 of 4)

Brand	Entry	Maturity Group	Maturity Date ²	2016 2-Test Average ¹		2016 Yields		2016 Composition ²		2015 3-Test Average ³		2015 Composition ²	
				Yield (bu/A)	Lodging (1-5)	Arlington (bu/A)	Platteville (bu/A)	Protein (%)	Oil (%)	Yield (bu/A)	Lodging (1-5)	Protein (%)	Oil (%)
Dairyland	DSR-2110/R2Y	2.1	23-Sep	86	1.5	81	90	35.9	18.6	*83	1.0	35.7	18.8
Dairyland	DSR-2330/R2Y	2.3	22-Sep	*90	1.1	80	*100	36.3	20.0	*84	1.0	35.2	20.0
Dairyland	DSR-2616/R2Y	2.6	25-Sep	86	1.1	79	92	36.0	18.7	82	1.0	35.5	19.1
Dairyland	DSR-2707/R2Y	2.7	28-Sep	85	3.5	77	92	34.7	20.0	--	--	--	--
Dairyland	DSR-2909/R2Y	2.9	22-Sep	84	1.5	78	90	35.8	19.2	--	--	--	--
DuPont Pioneer	P24T05R	2.4	18-Sep	89	1.0	*87	91	35.6	19.3	--	--	--	--
DuPont Pioneer	P25T51R	2.5	30-Sep	*90	1.0	*84	95	35.8	20.4	76	1.1	37.1	19.5
DuPont Pioneer	P28T08R	2.8	26-Sep	89	1.0	80	98	37.0	19.5	*85	1.0	35.7	20.4
Dyna-Gro	S23RY85	2.3	19-Sep	83	1.8	79	86	35.3	19.5	*83	1.0	35.1	19.7
Dyna-Gro	S23XT97	2.3	28-Sep	85	1.1	83	88	36.4	18.7	--	--	--	--
Dyna-Gro	S24RY87	2.4	26-Sep	*92	1.0	83	*101	36.1	20.0	--	--	--	--
Dyna-Gro	S26RY37	2.6	24-Sep	87	1.3	*86	88	35.4	19.5	--	--	--	--
FS HiSOY	HS 18X60	1.8	12-Sep	78	1.0	76	80	35.7	19.5	--	--	--	--
FS HiSOY	HS 19A50	1.9	13-Sep	83	1.5	83	84	35.2	19.6	81	1.0	35.3	19.2
FS HiSOY	HS 21X60	2.1	14-Sep	80	1.4	77	82	36.2	19.4	--	--	--	--
FS HiSOY	HS 23A42	2.3	21-Sep	87	1.0	*85	89	35.3	19.7	82	1.1	35.0	19.3
FS HiSOY	HS 23X60	2.3	15-Sep	85	1.1	81	88	36.5	18.6	--	--	--	--
FS HiSOY	HS 26X60	2.6	2-Oct	82	1.3	76	88	35.5	19.0	--	--	--	--
FS HiSOY	HS 27X60	2.7	30-Sep	89	1.1	*85	93	36.0	18.6	--	--	--	--
FS HiSOY	HS 28X50	2.8	29-Sep	83	1.0	79	86	37.4	18.2	--	--	--	--
Great Lakes Hybrids	GL2269NR2	2.2	19-Sep	86	1.4	81	92	35.6	19.5	--	--	--	--
Great Lakes Hybrids	GL2469R2	2.4	17-Sep	86	1.4	80	91	35.2	19.5	78	1.0	35.8	19.2
Great Lakes Hybrids	GL2551NR2	2.5	17-Sep	85	1.5	78	92	35.9	19.8	*87	1.1	35.5	19.9
Great Lakes Hybrids	GL2789R2	2.7	3-Oct	80	3.5	71	89	36.2	17.9	78	1.3	35.8	18.2
Illini	ILX15064R1a	2.5	23-Sep	68	2.8	63	73	34.9	19.6	--	--	--	--
Illini	ILX15129R1a	2.7	25-Sep	75	3.0	67	82	35.4	19.5	--	--	--	--

TABLE 2. CONTINUED. 2016 Southern Region Glyphosate Tolerant Soybean Trial (3 of 4)

Brand	Entry	Maturity Group	Maturity Date ²	2016 2-Test Average ¹		2016 Yields		2016 Composition ²		2015 3-Test Average ³		2015 Composition ²	
				Yield (bu/A)	Lodging (1-5)	Arlington (bu/A)	Platteville (bu/A)	Protein (%)	Oil (%)	Yield (bu/A)	Lodging (1-5)	Protein (%)	Oil (%)
Illini	ILX15246R2a	2.9	29-Sep	84	2.0	80	88	35.6	19.3	--	--	--	--
Jung	1242R2X	2.4	20-Sep	82	2.4	77	87	36.2	19.0	--	--	--	--
Jung	1271R2X	2.7	30-Sep	76	2.9	71	81	36.2	18.6	--	--	--	--
Legacy Seeds	LS-1934NRR2	1.9	17-Sep	86	1.4	82	91	35.5	19.5	81	1.1	34.9	19.5
Legacy Seeds	LS-2137NRR2	2.1	15-Sep	85	1.1	77	93	35.0	19.7	--	--	--	--
Legacy Seeds	LS-2437NRR2	2.4	24-Sep	*92	1.3	*85	*99	35.9	19.9	--	--	--	--
Legacy Seeds	LS-2834NRR2	2.8	27-Sep	86	1.3	81	91	35.0	19.5	*87	1.1	35.5	19.4
Legend Seeds	LS 20R524N	2.0	19-Sep	84	1.4	79	90	36.0	19.5	*84	1.2	36.0	19.5
Legend Seeds	LS 24R563N	2.3	30-Sep	87	1.0	80	93	36.6	18.7	--	--	--	--
LG Seeds	C2255R2	2.2	20-Sep	88	1.5	81	96	35.1	19.8	--	--	--	--
LG Seeds	C2441R2	2.4	24-Sep	*90	1.8	*85	94	35.0	19.6	*83	1.0	35.2	19.5
Munson	8227R2Y	2.2	14-Sep	86	1.0	81	92	35.3	19.6	--	--	--	--
Munson	8247R2Y	2.4	17-Sep	*93	1.0	*84	*103	35.7	20.0	--	--	--	--
Munson	8284R2Y	2.8	27-Sep	86	1.3	83	89	35.6	19.4	--	--	--	--
NK	S20-T6 Brand	2.0	21-Sep	82	1.6	75	88	36.4	19.7	81	1.0	36.4	19.5
NK	S21-M7 Brand	2.1	19-Sep	81	3.0	78	84	35.9	19.5	--	--	--	--
NK	S25-L9 Brand	2.5	26-Sep	83	1.4	82	84	36.4	19.5	80	1.0	35.9	19.6
NK	S26-P3 Brand	2.6	22-Sep	86	1.1	*88	83	35.4	19.2	79	1.2	35.9	19.5
NK	S28-N6 Brand	2.8	25-Sep	87	1.4	80	95	36.5	19.4	--	--	--	--
NuTech	7127R2	1.2	8-Sep	77	1.3	72	82	36.3	18.7	--	--	--	--
NuTech	7172R2	1.7	16-Sep	82	2.3	75	89	35.7	19.7	--	--	--	--
NuTech	7217R2	2.1	29-Sep	80	1.4	79	82	34.2	19.9	*83	1.0	34.4	19.7
NuTech	7279	2.7	30-Sep	*95	1.3	*92	97	35.2	19.5	--	--	--	--
O'Brien	O'SOY196NR2Y1	1.9	15-Sep	84	1.0	79	89	36.2	18.4	*87	1.0	35.3	19.0
O'Brien	O'SOY245NR2Y	2.4	28-Sep	82	1.8	77	86	37.1	18.3	78	1.4	35.7	19.1
Power Plus	20B7	2.0	15-Sep	85	1.1	82	88	34.9	20.4	--	--	--	--

TABLE 2. CONTINUED. 2016 Southern Region Glyphosate Tolerant Soybean Trial (4 of 4)

Brand	Entry	Maturity Group	Maturity Date ²	2016 2-Test Average ¹		2016 Yields		2016 Composition ²		2015 3-Test Average ³		2015 Composition ²	
				Yield (bu/A)	Lodging (1-5)	Arlington (bu/A)	Platteville (bu/A)	Protein (%)	Oil (%)	Yield (bu/A)	Lodging (1-5)	Protein (%)	Oil (%)
Power Plus	24P4	2.4	22-Sep	87	1.8	*87	86	33.4	20.5	79	1.0	33.8	20.6
Power Plus	25A5	2.5	22-Sep	86	1.0	*88	84	34.8	20.0	81	1.0	36.1	20.2
Power Plus	26Z5	2.6	24-Sep	*94	1.0	*91	97	36.7	19.5	*85	1.0	36.3	19.7
ProHarvest	2484CR2Y	2.4	23-Sep	84	1.8	77	91	36.9	18.3	78	1.2	35.3	19.2
ProHarvest	2084CR2Y	2.0	20-Sep	84	1.8	80	88	35.7	19.5	*85	1.3	35.6	19.4
Renk	RS213NR2	2.1	19-Sep	82	1.8	76	88	35.7	19.7	79	1.0	35.9	19.5
Renk	RS246NR2	2.4	15-Sep	*94	1.3	82	*107	35.9	20.0	*85	1.0	36.0	19.7
Renk	RS265NR2	2.6	19-Sep	87	1.0	77	97	36.0	18.6	*84	1.0	35.9	19.1
Renk	RS276NX	2.7	29-Sep	*91	1.0	*85	97	37.2	18.0	--	--	--	--
Renk	RS286NR2	2.8	4-Oct	89	1.6	82	97	35.3	19.4	*83	1.0	35.6	19.2
Steyer	2101R2	2.2	13-Sep	74	3.3	66	82	35.3	19.5	--	--	--	--
Steyer	2202R2	2.2	22-Sep	81	1.6	81	81	36.4	18.5	78	1.0	35.6	18.9
Steyer	2604R2	2.6	26-Sep	88	1.3	79	97	36.3	18.6	--	--	--	--
Steyer	2702R2	2.7	29-Sep	78	2.0	69	86	37.2	18.3	--	--	--	--
Titan Pro	TP-17X26	1.7	14-Sep	84	1.1	80	87	35.7	19.2	--	--	--	--
Titan Pro	TP-20R25	2.0	16-Sep	82	2.4	75	90	36.2	19.3	--	--	--	--
Titan Pro	TP-21X46	2.1	18-Sep	83	1.6	83	83	35.7	19.6	--	--	--	--
Titan Pro	TP-24R26	2.4	16-Sep	*90	1.4	*84	96	35.9	19.9	--	--	--	--
Titan Pro	TP-26R35	2.6	22-Sep	*90	1.0	77	*103	35.8	18.6	81	1.0	35.2	19.3
Titan Pro	TP-28X45	2.8	28-Sep	86	1.1	80	92	37.2	18.1	--	--	--	--
Tracy	2500GT	2.5	29-Sep	83	1.4	80	86	37.4	18.9	--	--	--	--
Mean			22-Sep	86	1.5	81	91	35.8	19.2	81	1.1	35.3	19.5
LSD (0.10)			--	7	0.7	8	8	0.6	0.3	6	0.3	0.7	0.4

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

¹ The East Troy site was abandoned due to severe plot to plot variation caused by subsoil differences that led to non-uniform drought stress and subsequent stem canker infection.

² Maturity date, protein, and oil determined at the Arlington site.

³ 2015 3-test average includes Arlington, East Troy and Platteville.

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

TABLE 3. 2016 Central Region Glyphosate Tolerant Soybean Trial:
Performance of commercial entries at three central Wisconsin locations (1 of 4)

Brand	Entry	Maturity Group	Maturity Date ¹	2016 3-Test Average		2016 Yields			2016 Composition ¹		2015 3-Test Average		2015 Composition	
				Yield (bu/A)	Lodging (1-5)	Fond du Lac (bu/A)	Galesville (bu/A)	Hancock (bu/A)	Protein (%)	Oil (%)	Yield (bu/A)	Lodging (1-5)	Protein (%)	Oil (%)
Asgrow	AG1435	1.4	20-Sep	79	1.7	75	85	76	34.7	20.7	*72	1.0	34.6	20.1
Asgrow	AG1636	1.6	20-Sep	*86	1.7	*84	*94	*81	34.9	20.2	*74	1.0	34.9	19.7
Asgrow	AG1935	1.9	20-Sep	83	1.8	83	*91	76	35.5	20.3	*74	1.0	34.4	20.0
Asgrow	AG2035	2.0	26-Sep	*85	1.9	*84	87	*83	35.8	20.0	--	--	--	--
Asgrow	AG20X7	2.0	26-Sep	81	1.8	77	86	*81	35.0	20.5	--	--	--	--
Asgrow	AG2336	2.3	29-Sep	83	1.7	79	88	*81	35.5	19.9	--	--	--	--
BioGene	BG8210RR2X	2.1	26-Sep	80	1.8	79	78	*85	35.4	20.3	--	--	--	--
Channel	1808R2 Brand	1.8	20-Sep	80	1.7	83	76	*81	34.4	20.8	--	--	--	--
Channel	2108R2 Brand	2.1	26-Sep	83	1.8	82	87	*81	35.3	20.3	--	--	--	--
Credenz	CZ 1787 RY	1.7	20-Sep	*84	1.8	83	*92	78	34.4	20.0	*71	1.0	33.6	19.7
Dairyland	DSR-1120/R2Y	1.1	20-Sep	77	1.8	74	86	70	34.2	21.0	*71	1.0	34.8	20.3
Dairyland	DSR-1313/R2Y	1.3	20-Sep	81	1.7	81	88	74	34.8	20.3	--	--	--	--
Dairyland	DSR-1526/R2Y	1.5	20-Sep	82	1.8	83	85	79	34.5	20.8	--	--	--	--
Dairyland	DSR-1721/R2Y	1.7	20-Sep	*84	1.7	*85	89	79	34.9	20.6	*74	1.0	34.6	20.2
Dairyland	DSR-1870/R2Y	1.8	20-Sep	81	1.7	82	85	74	34.6	20.8	--	--	--	--
Dairyland	DSR-2017/R2Y	2.0	26-Sep	81	1.7	*88	77	*80	35.2	19.7	--	--	--	--
Dairyland	DSR-2110/R2Y	2.1	26-Sep	81	1.7	*87	83	74	36.0	19.5	*70	1.0	36.0	18.7
Dairyland	DSR-2330/R2Y	2.3	26-Sep	*84	1.7	*87	*93	73	35.3	20.3	*71	1.0	34.5	20.2
DuPont Pioneer	P19T39R2	1.9	23-Sep	81	1.7	78	85	78	34.4	20.9	--	--	--	--
DuPont Pioneer	P22T41R2	2.2	26-Sep	*89	1.7	*88	*99	*80	34.5	20.1	*72	1.0	34.0	19.7
Dyna-Gro	S17RY06	1.7	23-Sep	82	1.8	79	90	76	35.6	20.2	*70	1.0	34.3	20.3

TABLE 3. CONTINUED. 2016 Central Region Glyphosate Tolerant Soybean Trial (2 of 4)

Brand	Entry	Maturity Group	Maturity Date ¹	2016 3-Test Average		2016 Yields			2016 Composition ¹		2015 3-Test Average		2015 Composition	
				Yield (bu/A)	Lodging (1-5)	Fond du Lac (bu/A)	Galesville (bu/A)	Hancock (bu/A)	Protein (%)	Oil (%)	Yield (bu/A)	Lodging (1-5)	Protein (%)	Oil (%)
Dyna-Gro	S20RY45	2.0	23-Sep	82	1.7	79	89	78	34.7	20.7	*74	1.0	35.0	19.8
Dyna-Gro	S21RY56	2.1	26-Sep	*84	1.7	*86	*91	76	34.2	20.5	*76	1.0	33.8	20.0
Dyna-Gro	S21XT77	2.1	26-Sep	81	1.8	79	85	*80	35.7	19.9	--	--	--	--
Dyna-Gro	S23RY85	2.3	20-Sep	82	1.7	83	87	77	34.7	20.3	*74	1.0	34.2	20.0
FS HiSOY	HS 18X60	1.8	15-Sep	76	1.8	77	75	75	34.3	20.5	--	--	--	--
FS HiSOY	HS 19A50	1.9	26-Sep	*86	1.7	*87	90	*81	35.4	20.2	*75	1.0	33.9	19.9
FS HiSOY	HS 21X60	2.1	26-Sep	83	1.9	*88	84	77	35.3	20.3	--	--	--	--
FS HiSOY	HS 23A42	2.3	23-Sep	83	1.7	82	88	79	34.2	20.6	*71	1.0	34.0	19.9
FS HiSOY	HS 23X60	2.3	26-Sep	*86	1.9	81	*99	78	35.7	19.4	--	--	--	--
Great Lakes Hybrids	GL1865NR2	1.8	20-Sep	*87	1.8	*86	*94	*81	34.9	20.4	--	--	--	--
Great Lakes Hybrids	GL1953NR2	1.9	20-Sep	*84	1.7	83	88	*81	34.7	20.2	*71	1.0	33.7	20.0
Great Lakes Hybrids	GL2039R2	2.0	20-Sep	*84	1.7	80	90	*81	35.3	20.4	*75	1.0	35.0	20.0
Great Lakes Hybrids	GL2063NRX	2.0	23-Sep	81	1.8	*88	78	75	35.6	20.2	--	--	--	--
Great Lakes Hybrids	GL2269NR2	2.2	23-Sep	*85	1.7	*85	*91	79	34.3	20.1	--	--	--	--
Great Lakes Hybrids	GL2465NRX	2.4	26-Sep	83	1.7	*84	87	79	35.2	19.7	--	--	--	--
Jung	1192R2X	1.9	23-Sep	80	2.5	78	87	75	36.0	19.8	--	--	--	--
Jung	1242R2X	2.4	29-Sep	83	1.8	81	86	*81	35.5	19.8	--	--	--	--
Legacy Seeds	LS-1335NRR2	1.3	15-Sep	81	1.7	79	88	76	34.2	20.4	*71	1.0	34.8	19.6
Legacy Seeds	LS-1737NRR2	1.7	20-Sep	78	1.8	83	80	70	34.6	20.7	--	--	--	--
Legacy Seeds	LS-1934NRR2	1.9	20-Sep	*87	1.7	*85	*91	*84	34.8	20.4	*71	1.0	34.5	19.6
Legacy Seeds	LS-2137NRR2	2.1	23-Sep	82	1.9	83	85	79	34.1	20.4	--	--	--	--

TABLE 3. CONTINUED. 2016 Central Region Glyphosate Tolerant Soybean Trial (3 of 4)

Brand	Entry	Maturity Group	Maturity Date ¹	2016 3-Test Average		2016 Yields			2016 Composition ¹		2015 3-Test Average		2015 Composition	
				Yield (bu/A)	Lodging (1-5)	Fond du Lac (bu/A)	Galesville (bu/A)	Hancock (bu/A)	Protein (%)	Oil (%)	Yield (bu/A)	Lodging (1-5)	Protein (%)	Oil (%)
Legend Seeds	LS 17R500N	1.7	20-Sep	81	2.0	73	88	*82	35.2	20.7	--	--	--	--
Legend Seeds	LS 20R524N	2.0	23-Sep	82	1.8	83	88	72	35.1	20.4	*71	1.0	34.8	19.8
LG Seeds	C1870R2	1.8	20-Sep	*86	1.7	80	*97	*80	34.7	20.1	--	--	--	--
LG Seeds	C1917R2	1.9	26-Sep	*84	1.7	83	86	*82	35.4	20.5	*73	1.0	35.0	19.9
LG Seeds	C2020R2	2.0	20-Sep	*84	1.7	81	*92	*80	35.0	20.6	*71	1.0	34.8	19.9
Mycogen	5N194R2	1.9	20-Sep	*86	1.7	82	*93	*81	34.6	20.3	--	--	--	--
Mycogen	5N206R2	2.0	20-Sep	*86	1.7	83	90	*86	35.7	20.2	*73	1.0	34.6	20.0
NK	S12-R3 Brand	1.2	15-Sep	81	1.7	75	88	*80	34.9	20.4	--	--	--	--
NK	S14-A6 Brand	1.4	15-Sep	*85	1.7	80	*92	*84	35.2	20.1	--	--	--	--
NK	S19-B2 Brand	1.9	23-Sep	77	2.0	80	77	75	35.0	20.6	66	1.0	33.9	20.5
NK	S20-T6 Brand	2.0	23-Sep	81	1.7	83	87	73	36.4	19.8	*72	1.0	35.5	20.1
NK	S21-M7 Brand	2.1	23-Sep	80	1.8	78	85	77	35.2	20.2	*70	1.0	35.4	19.6
NK	S22-S1 Brand	2.2	29-Sep	83	1.7	80	90	78	34.8	20.0	--	--	--	--
NK	S25-L9 Brand	2.5	29-Sep	82	1.9	*84	81	*81	36.2	20.0	--	--	--	--
NuTech	7127R2	1.2	15-Sep	77	2.0	72	82	76	35.7	19.5	--	--	--	--
NuTech	7172R2	1.7	23-Sep	80	2.4	80	81	*80	35.0	20.6	69	1.0	34.6	20.1
NuTech	7217R2	2.1	23-Sep	80	1.8	*84	76	79	33.8	20.3	*72	1.0	33.5	19.9
O'Brien	O'SOY173R2Y	1.7	20-Sep	81	1.7	78	*93	72	34.8	20.1	69	1.0	34.1	19.5
O'Brien	O'SOY196NR2Y1	1.9	26-Sep	81	1.8	79	89	75	35.6	19.5	*72	1.0	35.7	18.7
ProHarvest	2484CR2Y	2.4	29-Sep	79	2.5	79	84	75	36.6	19.2	--	--	--	--
ProHarvest	1771CR2Y	1.7	20-Sep	81	1.7	81	81	*81	35.2	20.3	66	1.0	34.6	20.0

TABLE 3. CONTINUED. 2016 Central Region Glyphosate Tolerant Soybean Trial (4 of 4)

Brand	Entry	Maturity Group	Maturity Date ¹	2016 3-Test Average		2016 Yields			2016 Composition ¹		2015 3-Test Average		2015 Composition	
				Yield (bu/A)	Lodging (1-5)	Fond du Lac (bu/A)	Galesville (bu/A)	Hancock (bu/A)	Protein (%)	Oil (%)	Yield (bu/A)	Lodging (1-5)	Protein (%)	Oil (%)
ProHarvest	1863CR2Y	1.8	15-Sep	83	1.8	83	*92	74	34.6	20.7	--	--	--	--
ProHarvest	2084CR2Y	2.0	20-Sep	81	1.7	*84	81	77	35.7	20.2	*71	1.0	34.9	19.9
Renk	RS175NR2	1.7	20-Sep	81	1.7	78	84	*82	35.7	20.4	*76	1.0	34.5	20.2
Renk	RS187NR2	1.8	20-Sep	79	1.7	80	86	71	34.8	20.6	--	--	--	--
Renk	RS195NR2	1.9	20-Sep	81	1.6	80	87	75	34.7	20.4	*72	1.0	33.6	20.1
Renk	RS213NR2	2.1	23-Sep	83	1.8	*85	85	77	35.7	20.1	*72	1.0	34.5	20.0
Renk	RS246NR2	2.4	26-Sep	*84	1.7	*87	89	78	34.8	20.7	69	1.0	34.9	20.0
Steyer	1901R2	1.9	26-Sep	*84	1.9	82	*93	75	35.4	20.0	68	1.0	35.2	19.8
Steyer	2102R2	2.1	23-Sep	79	1.8	83	75	*80	35.0	20.5	--	--	--	--
Steyer	2101R2	2.2	23-Sep	75	1.9	71	76	77	35.0	20.4	--	--	--	--
Steyer	2202R2	2.2	26-Sep	77	1.7	78	79	74	35.6	19.5	69	1.0	35.3	19.1
Stine	14RD62	1.4	20-Sep	82	1.7	81	86	79	34.4	20.8	--	--	--	--
Stine	19RF32	1.9	20-Sep	*87	1.7	*85	*92	*83	34.5	20.2	--	--	--	--
Stine	20RD20	2.0	26-Sep	83	1.7	83	83	*84	35.0	20.4	--	--	--	--
Titan Pro	TP-17X26	1.7	20-Sep	77	1.8	83	77	71	36.2	19.7	--	--	--	--
Titan Pro	TP-20R25	2.0	23-Sep	*85	1.8	*89	86	*80	35.0	20.2	--	--	--	--
Titan Pro	TP-21X46	2.1	23-Sep	79	1.7	*85	79	74	35.6	20.2	--	--	--	--
Tracy	1900GT	1.9	23-Sep	72	1.7	75	72	69	35.5	19.6	--	--	--	--
Mean			22-Sep	82	1.8	82	86	78	35.1	20.2	70	1.0	34.5	19.9
LSD (0.10)			--	5	0.3	5	8	6	0.6	0.4	6	NS	0.7	0.4

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

¹ Maturity date, protein, and oil determined at the Hancock site.

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

TABLE 4. 2016 North Central Region Glyphosate Tolerant Soybean Trial:
Performance of commercial entries at three north central Wisconsin locations (1 of 4)

Brand	Entry	Maturity Group	Maturity Date ¹	2016 3-Test Average		2016 Yields				2016 Composition ¹		2015 3-Test Average		2015 Composition ¹	
				Yield (bu/A)	Lodging (1-5)	Chippewa Falls (bu/A)	Marshfield (bu/A)	Seymour (bu/A)	SDS ²	Protein (%)	Oil (%)	Yield (bu/A)	Lodging (1-5)	Protein (%)	Oil (%)
Asgrow	AG0934	0.9	19-Sep	70	1.0	75	73	64	1	35.5	19.3	--	--	--	--
Asgrow	AG1135	1.1	26-Sep	70	2.9	70	76	63	3	34.7	18.7	65	1.2	33.4	19.2
Asgrow	AG1435	1.4	19-Sep	*75	1.3	*80	73	*71	3	35.1	19.6	*67	1.0	33.6	20.0
Asgrow	AG14X7	1.4	26-Sep	74	1.8	*80	75	69	4	35.5	19.5	--	--	--	--
BioGene	BG7141R2Y	1.4	27-Sep	*81	1.2	*81	*83	*78	0	35.4	19.1	*67	1.0	33.3	19.8
BioGene	BG7151R2Y	1.5	26-Sep	*78	1.3	78	*81	*75	1	34.9	19.7	62	1.0	33.6	20.3
Channel	1517R2X Brand	1.5	26-Sep	66	1.8	69	71	58	17	35.9	19.3	--	--	--	--
Channel	1808R2 Brand	1.8	26-Sep	*75	1.2	*83	76	67	14	34.7	19.5	*69	1.1	32.8	20.2
Credenz	CZ 1787 RY	1.7	26-Sep	*77	1.1	*80	*83	69	5	34.5	19.1	*68	1.0	32.5	19.5
Dairyland	DSR-0619/R2Y	0.6	17-Sep	66	2.0	69	71	57	1	37.3	18.1	55	1.0	35.8	18.7
Dairyland	DSR-0711/R2Y	0.7	20-Sep	65	1.2	77	75	46	6	34.1	19.8	59	1.0	33.5	19.8
Dairyland	DSR-0807/R2Y	0.8	19-Sep	69	1.0	72	68	65	1	36.1	18.6	--	--	--	--
Dairyland	DSR-0988/R2Y	0.9	26-Sep	71	1.5	74	76	63	1	34.4	18.9	--	--	--	--
Dairyland	DSR-1120/R2Y	1.1	26-Sep	71	1.8	76	77	60	4	33.9	20.3	66	1.0	32.3	20.6
Dairyland	DSR-1313/R2Y	1.3	26-Sep	*75	1.4	77	79	*70	6	35.5	18.9	--	--	--	--
Dairyland	DSR-1526/R2Y	1.5	26-Sep	*78	1.0	*82	78	*75	4	35.0	19.7	--	--	--	--
Dairyland	DSR-1721/R2Y	1.7	26-Sep	66	1.2	*83	*84	32	71	34.8	19.7	*69	1.1	33.2	20.1
DuPont Pioneer	P15T46R2	1.5	30-Sep	72	1.8	70	73	*72	3	34.9	19.2	66	1.0	33.6	19.7
DuPont Pioneer	P18T26R2	1.8	30-Sep	66	1.0	73	68	57	30	33.8	19.7	66	1.0	32.2	20.5
Dyna-Gro	S11XT46	1.1	19-Sep	*75	1.1	*85	78	62	3	35.5	19.0	--	--	--	--
Dyna-Gro	S12RY44	1.2	20-Sep	74	1.4	78	75	68	2	36.1	18.8	64	1.0	34.7	19.3

TABLE 4. CONTINUED. 2016 North Central Region Glyphosate Tolerant Soybean Trial (2 of 4)

Brand	Entry	Maturity Group	Maturity Date ¹	2016 3-Test Average		2016 Yields				2016 Composition ¹		2015 3-Test Average		2015 Composition ¹	
				Yield (bu/A)	Lodging (1-5)	Chippewa Falls (bu/A)	Marshfield (bu/A)	Seymour (bu/A)	SDS ²	Protein (%)	Oil (%)	Yield (bu/A)	Lodging (1-5)	Protein (%)	Oil (%)
Dyna-Gro	S14RY95	1.4	20-Sep	71	1.0	74	73	65	5	34.4	19.8	62	1.0	33.5	20.1
Dyna-Gro	S17RY06	1.7	26-Sep	73	1.8	*79	75	64	4	34.5	19.7	65	1.3	33.0	20.1
Federal Hybrids	F0860NR2X	0.8	17-Sep	68	1.3	69	69	67	1	35.1	19.5	--	--	--	--
Federal Hybrids	F087NRR2Y	0.8	26-Sep	71	1.2	71	75	66	1	34.6	19.0	--	--	--	--
Federal Hybrids	F0960NR2X	0.9	19-Sep	73	1.2	75	76	68	1	35.4	19.2	--	--	--	--
Federal Hybrids	F106NRR2Y	1.0	26-Sep	71	1.3	*82	74	56	13	34.6	19.2	--	--	--	--
Federal Hybrids	F115NRR2Y	1.1	26-Sep	72	3.2	73	72	*72	1	35.1	19.7	--	--	--	--
Federal Hybrids	F1260NR2X	1.2	26-Sep	70	1.3	77	71	63	3	35.8	19.0	--	--	--	--
Federal Hybrids	F1370NR2X	1.3	26-Sep	*76	1.7	73	80	*74	3	34.9	19.1	--	--	--	--
Federal Hybrids	F1470NR2X	1.4	26-Sep	65	1.0	78	57	61	4	34.8	19.2	--	--	--	--
Federal Hybrids	F147NRR2Y	1.4	26-Sep	*78	1.8	*82	76	*77	3	34.9	19.2	--	--	--	--
Federal Hybrids	F154NRR2Y	1.5	26-Sep	*77	1.0	*81	78	*71	15	34.8	19.8	66	1.0	33.9	20.1
Federal Hybrids	F1670NR2X	1.6	30-Sep	72	2.3	78	75	62	8	35.2	19.1	--	--	--	--
Federal Hybrids	F185NRR2Y	1.8	30-Sep	68	1.3	76	75	53	32	34.1	19.5	*68	1.1	32.4	20.0
Federal Hybrids	F2170NR2X	2.1	30-Sep	*78	1.5	*80	*82	*72	4	34.7	19.6	--	--	--	--
FS HiSOY	HS 18X60	1.8	26-Sep	66	1.0	*79	66	54	22	34.7	19.2	--	--	--	--
FS HiSOY	HS 19A50	1.9	30-Sep	*78	1.0	*85	*82	67	20	34.7	18.9	*71	1.0	33.3	19.4
Great Lakes Hybrids	GL0950NR2	0.9	20-Sep	71	1.3	77	72	64	7	35.1	19.3	63	1.1	33.5	19.7
Great Lakes Hybrids	GL1367NR2	1.3	26-Sep	*75	1.7	72	*81	*73	2	35.5	19.0	--	--	--	--
Great Lakes Hybrids	GL1760NRX	1.7	26-Sep	69	1.6	75	70	62	12	35.4	18.9	--	--	--	--
Great Lakes Hybrids	GL1865NR2	1.8	26-Sep	*78	1.5	*84	78	*71	7	35.1	19.6	--	--	--	--

TABLE 4. CONTINUED. 2016 North Central Region Glyphosate Tolerant Soybean Trial (3 of 4)

Brand	Entry	Maturity Group	Maturity Date ¹	2016 3-Test Average		2016 Yields				2016 Composition ¹		2015 3-Test Average		2015 Composition ¹	
				Yield (bu/A)	Lodging (1-5)	Chippewa Falls (bu/A)	Marshfield (bu/A)	Seymour (bu/A)	SDS ²	Protein (%)	Oil (%)	Yield (bu/A)	Lodging (1-5)	Protein (%)	Oil (%)
Jung	1122R2X	1.2	20-Sep	71	1.2	*80	75	58	7	35.5	19.2	--	--	--	--
Jung	1132R2X	1.3	26-Sep	69	1.2	78	65	63	3	34.5	19.4	--	--	--	--
Jung	1172R2X	1.7	30-Sep	*75	1.2	77	74	*73	7	35.7	19.0	--	--	--	--
Legacy Seeds	LS-1335NRR2	1.3	26-Sep	*78	1.4	*79	78	*78	3	35.1	19.0	64	1.1	33.5	19.6
Legacy Seeds	LS-1533NRR2	1.5	26-Sep	*76	1.0	*81	77	69	10	34.7	19.8	65	1.0	33.5	20.3
Legacy Seeds	LS-1737NRR2	1.7	26-Sep	71	1.2	78	73	61	29	34.4	19.5	--	--	--	--
Legacy Seeds	LS-1934NRR2	1.9	26-Sep	*77	1.1	*86	*82	64	17	34.9	19.2	*69	1.0	33.3	19.4
Legend Seeds	LS 11R760N	1.0	26-Sep	70	1.0	*81	*82	47	37	35.2	19.0	--	--	--	--
Legend Seeds	LS 14R22N	1.4	26-Sep	*78	1.3	78	78	*79	2	34.7	19.7	--	--	--	--
LG Seeds	C1428R2	1.4	26-Sep	*78	1.5	78	79	*78	2	35.5	19.0	*67	1.0	33.6	19.8
LG Seeds	C1530R2	1.5	26-Sep	*79	1.3	*80	*84	*75	4	35.1	19.5	65	1.0	33.6	20.3
Munson	8087R2Y	0.8	20-Sep	73	1.3	76	75	69	2	33.9	18.8	--	--	--	--
Munson	8107R2Y	1.0	19-Sep	71	1.0	*80	76	57	7	35.4	19.0	--	--	--	--
Munson	8146R2Y	1.4	20-Sep	*77	1.2	*79	80	*71	2	35.3	19.1	--	--	--	--
Munson	8153R2Y	1.5	26-Sep	*78	1.0	*82	*82	*72	4	34.7	19.9	--	--	--	--
Munson	8196R2Y	1.9	30-Sep	*83	1.2	*85	*88	*74	8	35.0	19.1	--	--	--	--
NK	S12-H2 Brand	1.2	20-Sep	70	1.3	*81	79	49	14	35.5	19.0	64	1.0	34.3	19.2
NK	S12-R3 Brand	1.2	19-Sep	*75	1.0	*83	*81	62	4	35.3	19.5	--	--	--	--
NK	S14-A6 Brand	1.4	26-Sep	72	1.0	*86	73	55	14	35.5	19.2	--	--	--	--
NuTech	7127R2	1.2	26-Sep	72	1.0	78	70	*70	1	35.5	18.6	--	--	--	--
NuTech	7172R2	1.7	3-Oct	72	1.3	72	69	*74	1	34.7	19.7	66	1.1	33.1	19.9
ProHarvest	1484CR2Y	1.4	26-Sep	73	1.0	75	79	65	8	36.3	18.8	*67	1.0	34.9	19.5

TABLE 4. CONTINUED. 2016 North Central Region Glyphosate Tolerant Soybean Trial (4 of 4)

Brand	Entry	Maturity Group	Maturity Date ¹	2016 3-Test Average		2016 Yields				2016 Composition ¹		2015 3-Test Average		2015 Composition ¹	
				Yield (bu/A)	Lodging (1-5)	Chippewa Falls (bu/A)	Marshfield (bu/A)	Seymour (bu/A)	SDS ²	Protein (%)	Oil (%)	Yield (bu/A)	Lodging (1-5)	Protein (%)	Oil (%)
ProHarvest	1563CR2Y	1.5	30-Sep	*77	1.3	78	*81	*71	5	35.0	19.2	--	--	--	--
ProHarvest	1771CR2Y	1.7	26-Sep	67	1.2	74	74	52	33	34.9	19.3	63	1.0	34.0	19.6
ProHarvest	1863CR2Y	1.8	26-Sep	*77	1.1	*80	80	*70	7	34.6	19.3	--	--	--	--
Renk	RS145NR2	1.4	26-Sep	72	1.3	77	76	64	2	36.4	18.8	63	1.0	34.6	19.3
Renk	RS147NR2	1.4	26-Sep	*79	1.7	*79	*86	*72	4	35.3	18.9	--	--	--	--
Renk	RS175NR2	1.7	30-Sep	66	1.2	76	*87	34	67	34.5	19.7	65	1.0	33.1	19.9
Renk	RS187NR2	1.8	26-Sep	*75	1.5	75	79	*70	4	34.8	19.5	--	--	--	--
Steyer	0901R2	1.0	20-Sep	70	1.8	73	69	66	1	35.1	19.5	62	1.0	33.9	19.6
Steyer	1101R2	1.0	19-Sep	70	1.4	74	68	67	1	34.4	19.7	62	1.0	33.6	19.6
Steyer	1601R2	1.6	30-Sep	68	1.8	72	73	59	11	35.0	19.4	--	--	--	--
Steyer	1702R2	1.6	26-Sep	70	1.3	*80	75	55	36	34.3	19.0	*68	1.3	32.8	20.0
Steyer	1901R2	1.9	30-Sep	*76	2.3	75	78	*76	1	34.9	19.7	*69	1.1	33.1	20.2
Steyer	2102R2	2.1	30-Sep	74	1.0	76	72	*75	11	33.5	19.6	--	--	--	--
Steyer	2202R2	2.2	3-Oct	69	1.3	67	68	*71	4	35.8	18.3	64	1.0	33.8	19.3
Stine	13RI32	1.3	30-Sep	*76	1.3	*80	78	*70	9	35.5	19.1	--	--	--	--
Stine	14RD62	1.4	26-Sep	*79	1.0	*84	77	*75	4	34.8	19.8	--	--	--	--
Stine	19RF32	1.9	30-Sep	74	1.0	*82	76	63	31	34.7	19.2	--	--	--	--
Tracy	0900GT	0.9	19-Sep	69	1.0	76	67	66	1	35.4	18.8	--	--	--	--
Mean			25-Sep	73	1.3	78	76	65	9	35.0	19.3	64	1.0	33.6	19.7
LSD (0.10)			--	8	0.6	7	7	9	12	0.5	0.3	4	0.2	0.5	0.2

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

¹ Maturity date, protein, and oil determined at the Marshfield site.

² SDS = SDS ratings were conducted using the following method. Disease incidence (DI) was estimated as the percentage of symptomatic plants within a plot. Disease severity (DS) was determined using a 1-to-9 scale. Using the DI and DS scores, a disease index (DX) measure was calculated using the formula $DX = DI \times DS / 9$ (Njiti et al. 1998).

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

TABLE 5. 2016 Northern Region Glyphosate Tolerant Soybean Trial:
Performance of commercial entries at three northern Wisconsin locations (1 of 2)

Brand	Entry	Maturity Group	2016 3-Test Average			2016 Yields			2016 Composition ¹		2015 3-Test Average		2015 Composition ¹	
			Maturity Date	Yield (bu/A)	Lodging (1-5)	Marshfield (bu/A)	Spooner Dryland (bu/A)	Spooner Irrigated (bu/A)	Protein (%)	Oil (%)	Yield (bu/A)	Lodging (1-5)	Protein (%)	Oil (%)
Asgrow	AG0835	0.8	21-Sep	*63	1.3	72	*64	*52	34.6	19.0	*55	1.0	33.5	19.3
Asgrow	AG0934	0.9	22-Sep	*61	1.0	69	*63	*53	35.4	19.2	*53	1.0	34.1	19.6
Asgrow	AG1135	1.1	27-Sep	*59	1.8	73	62	42	34.2	19.1	--	--	--	--
BioGene	BG7110R2Y	1.1	29-Sep	58	2.3	67	57	*50	35.7	19.1	*57	1.0	33.1	20.1
BioGene	BG1300R2Y	1.3	27-Sep	58	1.0	71	57	47	34.5	18.7	*52	1.0	33.6	18.9
Channel	0906R2 Brand	0.9	20-Sep	56	1.0	65	55	*49	34.7	19.4	--	--	--	--
Dairyland	DSR-0619/R2Y	0.6	17-Sep	57	1.4	71	54	46	36.9	18.0	49	1.0	35.8	18.5
Dairyland	DSR-0711/R2Y	0.7	21-Sep	58	1.0	70	52	*51	33.9	19.9	51	1.0	33.2	19.9
Dairyland	DSR-0807/R2Y	0.8	21-Sep	55	1.1	69	49	*48	36.1	18.6	--	--	--	--
Dairyland	DSR-0988/R2Y	0.9	22-Sep	*61	1.0	72	*65	46	34.3	19.0	--	--	--	--
DuPont Pioneer	P09T74R2	0.9	18-Sep	56	1.0	68	55	45	35.0	19.2	44	1.0	33.7	19.3
DuPont Pioneer	P10T48R	1.0	24-Sep	*61	1.3	72	56	*54	34.5	19.0	--	--	--	--
Federal Hybrids	F0860NR2X	0.8	18-Sep	55	1.1	66	51	*48	34.7	19.7	--	--	--	--
Federal Hybrids	F087NRR2Y	0.8	22-Sep	*59	1.1	73	59	46	34.2	19.1	--	--	--	--
Federal Hybrids	F0960NR2X	0.9	21-Sep	57	1.0	74	52	44	35.2	19.2	--	--	--	--
Federal Hybrids	F106NRR2Y	1.0	22-Sep	*65	1.1	71	*70	*53	35.1	19.2	--	--	--	--
Great Lakes Hybrids	GL0609R2	0.6	17-Sep	*59	1.3	75	54	47	37.4	17.9	--	--	--	--
Great Lakes Hybrids	GL0950NR2	0.9	22-Sep	58	1.1	72	52	*52	34.7	19.0	--	--	--	--
Jung	1082R2X	0.8	21-Sep	*64	1.0	76	62	*55	35.0	19.3	--	--	--	--
Jung	1090RR2	0.9	22-Sep	58	1.4	68	55	*51	34.3	19.4	*52	1.0	33.3	19.6
Jung	1102R2X	1.0	22-Sep	58	1.1	67	58	*49	35.3	18.7	--	--	--	--
Legacy Seeds	LS-0635NRR2	0.6	18-Sep	55	1.1	62	55	47	36.3	18.5	*52	1.0	35.3	18.7
Legacy Seeds	LS-0837NRR2	0.8	24-Sep	*64	1.0	73	*64	*54	34.2	18.8	--	--	--	--

TABLE 5. CONTINUED. 2016 Northern Region Glyphosate Tolerant Soybean Trial (2 of 2)

Brand	Entry	Maturity Group	2016 3-Test Average			2016 Yields			2016 Composition ¹		2015 3-Test Average		2015 Composition ¹	
			Maturity Date	Yield (bu/A)	Lodging (1-5)	Marshfield (bu/A)	Spooner Dryland (bu/A)	Spooner Irrigated (bu/A)	Protein (%)	Oil (%)	Yield (bu/A)	Lodging (1-5)	Protein (%)	Oil (%)
Legacy Seeds	LS-0935NRR2	0.9	22-Sep	*59	1.3	72	58	*48	35.0	19.1	*52	1.0	33.2	19.5
Legacy Seeds	LS-1335NRR2	1.3	26-Sep	*60	1.3	72	61	46	35.2	19.4	*54	1.0	33.4	19.7
Legend Seeds	LS 09R606N	0.9	22-Sep	*60	1.3	77	54	*49	34.8	19.0	*52	1.0	33.1	19.4
Legend Seeds	LS 11R760N	1.0	24-Sep	*62	1.0	77	57	*54	35.2	18.9	--	--	--	--
NK	S08-M2 Brand	0.9	19-Sep	*59	1.1	73	54	*49	36.0	18.6	--	--	--	--
NK	S09-V8 Brand	0.9	21-Sep	57	1.0	67	58	46	35.1	19.3	47	1.0	34.5	19.4
NuTech	6097R2	0.9	24-Sep	58	1.1	62	59	*52	32.1	21.3	51	1.0	32.4	21.1
ProHarvest	0871CR2Y	0.8	19-Sep	57	1.3	70	53	47	35.3	19.1	49	1.0	34.1	19.4
ProHarvest	1171R2Y	1.1	23-Sep	*65	1.0	78	*67	*48	36.2	18.0	*53	1.0	35.0	18.0
ProHarvest	1484CR2Y	1.4	26-Sep	*62	1.2	75	*64	46	36.6	18.8	*56	1.0	34.5	19.4
ProHarvest	1563CR2Y	1.5	26-Sep	*64	1.3	*87	59	47	35.1	19.0	--	--	--	--
Renk	RS066R2	0.6	19-Sep	*59	1.0	68	55	*54	35.0	19.8	46	1.0	35.7	18.5
Renk	RS067NR2	0.6	18-Sep	56	1.5	69	54	45	37.4	18.2	--	--	--	--
Renk	RS084NR2	0.8	21-Sep	*59	1.1	72	54	*51	35.4	19.1	46	1.0	33.5	19.7
Renk	RS096NR2	0.9	21-Sep	*63	1.2	76	59	*54	34.9	18.9	44	1.0	32.9	19.5
Steyer	0901R2	1.0	22-Sep	57	1.2	71	52	*49	35.0	19.6	50	1.0	34.1	19.6
Steyer	1101R2	1.0	23-Sep	57	1.0	68	53	*49	34.8	19.6	50	1.0	33.4	19.7
Steyer	1601R2	1.6	2-Oct	*59	2.0	74	*64	40	35.5	19.4	--	--	--	--
Stine	08RI02	0.8	22-Sep	*60	1.4	67	*67	46	34.7	19.1	--	--	--	--
Stine	09RI62	0.9	23-Sep	*59	1.1	65	*67	45	33.9	19.1	--	--	--	--
Stine	10RD03	1.0	22-Sep	58	1.3	68	*63	44	35.1	19.1	--	--	--	--
Mean			22-Sep	59	1.2	71	58	49	35.1	19.1	51	1.0	33.8	19.6
LSD (0.10)			2	6	0.3	6	7	7	0.6	0.3	5	NS	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 determined at the Marshfield site.

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

TABLE 6. 2016 Southern Conventional and Traited Herbicide Soybean Trial:
Performance of public and commercial entries at two southern Wisconsin locations (1 of 2)

Brand	Entry	Herbicide Trait ¹	Maturity Group	Maturity Date ²	2016 2-Test Average		2016 Yields		2016 Composition ²		2015 Composition ²			
					Yield (bu/A)	Lodging (1-5)	Arlington (bu/A)	Platteville (bu/A)	Protein (%)	Oil (%)	Yield (bu/A)	Lodging (1-5)	Protein (%)	Oil (%)
Credenz	CZ 1845 LL	LL	1.8	21-Sep	79	3.5	77	82	35.9	19.2	76	1.9	34.5	20.1
Credenz	CZ 2101 LL	LL	2.1	19-Sep	*84	1.5	*81	87	35.5	19.6	--	--	--	--
Credenz	CZ 2312 LL	LL	2.3	26-Sep	78	1.5	71	85	36.6	18.5	*79	1.3	35.7	18.8
Credenz	CZ 2510 LL	LL	2.5	4-Oct	*86	1.6	77	*96	36.5	18.5	*79	1.1	35.8	18.9
Credenz	CZ 2601 LL	LL	2.6	30-Sep	*90	1.4	*83	*97	36.5	19.0	--	--	--	--
Credenz	CZ 2810 LL	LL	2.8	30-Sep	*85	1.9	74	*97	35.9	18.8	*80	1.4	34.9	19.4
Credenz	CZ 2915 LL	LL	2.9	4-Oct	*88	2.5	78	*98	36.4	18.6	75	1.8	36.1	19.0
DuPont Pioneer	91M10	CN	1.1	8-Sep	74	1.3	68	79	37.3	18.9	--	--	--	--
Hughes	236LL	LL	2.3	29-Sep	81	1.8	*80	83	36.6	18.4	--	--	--	--
Hughes	266LL	LL	2.6	28-Sep	*86	1.9	*79	*93	36.3	19.1	--	--	--	--
Illini	2561Na	CN	2.5	20-Sep	72	2.0	68	76	37.1	18.6	--	--	--	--
Illini	2643N	CN	2.6	30-Sep	*82	1.8	*86	79	35.6	18.6	--	--	--	--
Illini	2668Na	CN	2.6	3-Oct	75	1.9	67	83	35.4	19.0	--	--	--	--
Illini	2880Na	CN	2.8	6-Oct	75	2.3	71	80	34.9	19.3	72	1.8	34.3	19.6
ISURF	IA1022	CN	1.9	22-Sep	68	4.0	68	68	34.4	20.1	66	2.0	32.8	21.1
ISURF	IAR1902SCN	CN	1.9	16-Sep	70	3.1	67	73	35.6	19.9	68	1.5	34.5	20.6
ISURF	IA2104	CN	2.5	30-Sep	72	1.9	67	77	38.9	17.9	--	--	--	--
ISURF	IA2102	CN	2.7	30-Sep	78	3.4	72	84	36.9	18.3	*80	2.4	35.9	18.6
ISURF	IA2112RA12	CN	2.7	4-Oct	81	3.3	69	*93	36.4	18.4	--	--	--	--
ISURF	IA2102RA12	CN	2.8	5-Oct	79	3.5	77	82	36.5	18.5	--	--	--	--
Legend Seeds	LS 1845LLN	LL	1.9	8-Sep	72	4.0	68	76	37.0	18.6	--	--	--	--
Legend Seeds	LS 2143LLN	LL	2.1	21-Sep	*83	1.0	*79	*88	35.3	19.6	--	--	--	--

TABLE 6. CONTINUED. 2016 Southern Conventional and Traited Herbicide Soybean Trial (2 of 2)

Brand	Entry	Herbicide Trait ¹	Maturity Group	Maturity Date ²	2016 2-Test Average		2016 Yields		2016 Composition ²		2015 Composition ²			
					Yield (bu/A)	Lodging (1-5)	Arlington (bu/A)	Platteville (bu/A)	Protein (%)	Oil (%)	Yield (bu/A)	Lodging (1-5)	Protein (%)	Oil (%)
NuTech	3174L	LL	1.7	13-Sep	74	3.6	67	80	36.9	18.7	--	--	--	--
NuTech	3205L	LL	2.0	22-Sep	78	1.5	74	83	35.6	19.3	77	1.0	34.0	19.8
NuTech	3252L	LL	2.5	2-Oct	80	2.3	73	87	36.3	19.1	74	1.1	35.5	19.3
Public	MN1312CN	CN	1.3	8-Sep	65	1.6	59	70	37.0	18.0	--	--	--	--
Public	MN1410	CN	1.4	15-Sep	66	3.3	57	74	37.1	19.0	67	2.1	35.5	19.9
Public	MN1613CN	CN	1.6	15-Sep	67	3.9	58	77	36.6	18.2	--	--	--	--
Public	MN1701CN	CN	1.6	17-Sep	68	4.0	62	75	36.7	18.7	--	--	--	--
Public	MN1806CN	CN	1.6	16-Sep	65	4.0	63	68	36.4	19.5	--	--	--	--
Tracy	2626LL	LL	2.6	27-Sep	*87	1.4	*79	*95	35.8	19.2	--	--	--	--
Viking	2018N	CN	2.0	26-Sep	*82	1.5	76	87	34.6	19.8	75	1.0	34.4	19.6
Viking	0.2188AT12N	CN	2.3	30-Sep	80	3.1	71	*90	36.4	18.5	--	--	--	--
Viking	0.2399AT12N	CN	2.5	4-Oct	77	3.6	71	84	36.4	18.6	77	2.4	35.5	18.6
GT check	11254	GT	1.9	25-Sep	80	1.6	*79	80	36.2	18.0	--	--	--	--
GT check	11293	GT	2.0	18-Sep	80	1.8	78	81	36.3	18.9	--	--	--	--
GT check	11070	GT	2.8	4-Oct	*86	1.9	*81	*90	35.9	18.8	*83	1.1	35.4	19.4
GT check	11197	GT	2.8	29-Sep	*83	1.5	78	87	37.0	19.1	--	--	--	--
Mean				24-Sep	78	2.4	72	83	36.3	18.9	74	1.2	35.6	18.8
LSD (0.10)				--	8	2.0	7	10	0.5	0.2	10	0.5	0.7	0.4

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

¹ Herbicide Trait : CN = conventional, LL = glufosinate, GT & RR2Y = glyphosate, RR2X = glyphosate & dicamba

² Maturity date, protein, and oil determined at the Arlington site.

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

TABLE 7. 2016 North Central Conventional and Traited Herbicide Soybean Trial:
Performance of Public and Commercial Entries at Chippewa Falls, Wisconsin (1 of 2)

Brand	Entry	Herbicide Trait ¹	Maturity Group	Maturity Date	2016				2015 ²			
					Yield (bu/A)	Lodging (1-5)	Protein (%)	Oil (%)	Yield (bu/A)	Lodging (1-5)	Protein (%)	Oil (%)
Credenz	CZ 1201 LL	LL	1.2	14-Sep	*82	2.0	37.3	18.7	--	--	--	--
Credenz	CZ 1332 LL	LL	1.3	13-Sep	*83	1.8	36.9	18.3	*64	1.0	33.3	19.2
Credenz	CZ 1623 LL	LL	1.6	14-Sep	64	3.8	36.6	19.0	56	1.0	34.4	19.5
Credenz	CZ 1845 LL	LL	1.8	13-Sep	72	4.3	35.6	19.1	*60	1.0	32.1	20.4
DuPont Pioneer	91M10	CN	1.1	17-Sep	69	1.5	35.9	19.7	--	--	--	--
ISURF	IA1022	CN	1.9	17-Sep	73	3.3	33.9	20.4	52	1.0	32.4	20.5
ISURF	IAR1902SCN	CN	1.9	26-Sep	61	3.3	36.0	19.4	49	1.0	33.2	20.5
Legend Seeds	LS 1527LLN	LL	1.5	22-Sep	*76	2.8	36.2	18.7	--	--	--	--
Legend Seeds	LS 1845LLN	LL	1.9	15-Sep	*79	3.3	35.9	19.1	--	--	--	--
NuTech	3115L	LL	1.1	15-Sep	72	3.5	37.0	18.5	--	--	--	--
NuTech	3174L	LL	1.7	15-Sep	*76	3.5	36.0	18.9	--	--	--	--
Public	M06-289001	CN	0.3	19-Sep	65	2.5	35.7	19.8	--	--	--	--
Public	M06-289237	CN	0.8	17-Sep	63	4.3	38.6	18.3	--	--	--	--
Public	MN0808CN	CN	0.8	13-Sep	48	3.3	34.0	19.9	--	--	--	--
Public	Sheyenne	CN	0.8	13-Sep	68	2.5	35.0	19.5	29	1.0	34.6	19.1
Public	MN1312CN	CN	1.3	20-Sep	60	2.8	36.1	18.8	--	--	--	--
Public	MN1410	CN	1.4	17-Sep	72	4.0	36.6	19.3	52	1.0	33.7	19.9
Public	MN1613CN	CN	1.6	24-Sep	69	3.3	35.5	19.0	--	--	--	--
Public	MN1701CN	CN	1.6	15-Sep	64	4.8	36.4	19.1	--	--	--	--
Public	MN1806CN	CN	1.6	15-Sep	64	4.5	36.5	19.2	--	--	--	--
Steyer	1401LL	LL	1.4	21-Sep	75	3.5	36.8	18.9	--	--	--	--
Tracy	1305LL	LL	1.3	9-Sep	69	1.5	36.5	18.3	53	1.0	33.9	19.4
Tracy	1726LL	LL	1.7	20-Sep	*77	3.3	36.0	19.2	--	--	--	--
Viking	0.1202N	CN	1.2	11-Sep	69	2.8	36.8	18.5	53	1.0	34.9	18.8

TABLE 7. CONTINUED. 2016 North Central Conventional and Traited Herbicide Soybean Trial (2 of 2)

Brand	Entry	Herbicide Trait ¹	Maturity Group	2016					2015 ²			
				Maturity Date	Yield (bu/A)	Lodging (1-5)	Protein (%)	Oil (%)	Yield (bu/A)	Lodging (1-5)	Protein (%)	Oil (%)
Viking	0.1518N	CN	1.5	19-Sep	71	3.0	36.6	18.6	56	1.0	34.3	19.1
Viking	0.1706N	CN	1.7	21-Sep	64	3.5	36.9	18.6	--	--	--	--
GT check	11157	GT	1.6	24-Sep	*78	2.5	35.9	19.2	--	--	--	--
GT check	11239	GT	1.7	19-Sep	*76	2.8	36.3	19.0	--	--	--	--
GT check	11009	GT	1.8	11-Sep	74	2.5	36.1	19.1	--	--	--	--
GT check	11255	GT	1.9	11-Sep	*77	2.5	35.9	18.5	--	--	--	--
Mean				16-Sep	70	3.1	36.2	19.0	52	1.0	33.8	19.6
LSD (0.10)				--	7	1.3	0.5	0.3	7	NS	0.9	0.6

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

¹ Herbicide Trait : CN = conventional, LL = glufosinate, GT & RR2Y = glyphosate, RR2X = glyphosate & dicamba

² Data is from Marshfield, WI site

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

TABLE 8. 2016 Soybean White Mold Trial:

Performance of Commercial Entries in White Mold Disease Field Environment at Hancock, Wisconsin

Brand	Entry	Maturity Group	2016			2015		
			Yield (bu/A)	White Mold ¹ (%)	Lodging (1-5)	Yield (bu/A)	White Mold ¹ (%)	Lodging (1-5)
Asgrow	AG2031	2.0	*72	2	1.0	62	1	1.8
Credenz	CZ 1201 LL	1.2	*78	2	1.0	--	--	--
Credenz	CZ 1332 LL	1.3	70	0	1.0	*69	0	1.0
Credenz	CZ 1623 LL	1.6	*82	3	1.0	*69	0	1.5
Credenz	CZ 1845 LL	1.8	70	5	1.0	*66	0	2.3
Credenz	CZ 2101 LL	2.1	*75	0	1.0	--	--	--
Credenz	CZ 2312 LL	2.3	*77	1	1.0	*68	0	1.0
Credenz	CZ 2601 LL	2.6	*80	1	1.0	--	--	--
FS HiSOY	HS 18X60	1.8	71	0	1.0	--	--	--
FS HiSOY	HS 21X60	2.1	*73	0	1.0	--	--	--
FS HiSOY	HS 23X60	2.3	*76	0	1.0	--	--	--
Great Lakes Hybrids	GL1760NRX	1.7	62	0	1.0	--	--	--
NK	S21-M7 Brand	2.1	*78	1	1.0	--	--	--
Mean			74	1	1.0	67	0	1.5
LSD (0.10)			6	2	NS	6	1	0.9

* 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.
2016 Seed Source for
Soybean Entries

Brand	Company	Phone Number	Website
Asgrow	Monsanto Company	(563) 275-0722	www.aganytime.com
Beck's	Beck's Hybrids	(317) 984-3508	www.beckshybrids.com
BioGene	Van Treeck's Seed Farm	(920) 467-2422	www.biogeneseeds.com
Channel	Channel	(507) 696-1161	www.channel.com
Cornelius	Cornelius Seed	(563) 672-3463	www.corneliusseed.com
Credenz	Bayer	(309) 212-5454	www.bayercropscience.us
Dairyland	Dairyland Seed	(800) 231-0163	www.dairylandseed.com
DuPont Pioneer	DuPont Pioneer	(507) 625-3045	www.pioneer.com
Dyna-Gro	Dyna-Gro Seed	(608) 822-5000	www.dynagroseed.com
Federal Hybrids	Federal Hybrids, Inc.	(712) 830-9742	www.federalhybrids.com
FS HiSOY	Growmark Inc.	(309) 557-6399	www.fsseed.com/midwest
Great Lakes Hybrids	Great Lakes Hybrids	(608) 574-0711	www.greatlakeshybrids.com
Hughes	Burrus Bros & Associated Growers	(815) 338-1141	www.burrusseed.com
Illini	University of Illinois	(217) 265-4062	
ISURF	IA State University Research Foundation	(515) 294-9442	www.cad.iastate.edu
Jung	Jung Seed Genetics	(800) 242-1855	www.jungseedgenetics.com
Legacy Seeds	Legacy Seeds Inc.	(866) 791-6390	www.legacyseeds.com
Legend Seeds	Legend Seeds Inc.	(800) 678-3346	www.legendseeds.net
LG Seeds	LG Seeds	(507) 301-5498	www.lgseeds.com
Munson	Munson Hybrids	(309) 368-6375	www.munsonhybrids.com
Mycogen	Mycogen Seeds	(715) 210-2788	www.mycogen.com
NK	Syngenta	(612) 656-8600	www.syngentaseeds.com
NuTech	NuTech Seed LLC	(402) 661-4700	www.yieldleader.com
O'Brien	O'Brien Hybrids	(608) 576-3685	www.obrienhybrids.com
Power Plus	Burrus Bros & Associated Growers	(815) 338-1141	www.burrusseed.com
ProHarvest	Brunner Seed Inc.	(715) 672-5887	www.brunnerseed.com
Public	WI Foundation Seeds	(608) 262-9954	www.wisconsinfoundationseeds.wisc.edu
Renk	Renk Seed	(608) 837-7351	www.renkseed.com
Steyer	Steyer Seeds	(920) 366-6799	steyerseeds.com
Stine	Stine Seed Company	(715) 314-0429	www.stinseed.com
Titan Pro	Titan Pro SCI	(641) 420-0632	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. 2016 Temperature and Precipitation Summary

	Average Mean Temperature (° F)					Total Precipitation (inches)						
Trial Location		May	June	July	August	September		May	June	July	August	September
Arlington		57.8	68.6	71.3	70.5	64.3		3.4	4.1	6.5	5.5	6.2
	Departure	2.1	3.0	1.9	3.2	5.0	Departure	-0.3	-0.6	2.3	1.6	2.6
Chippewa Falls* (Eau Claire)		58.0	67.9	71.8	70.9	63.4		3.8	6.3	3.5	4.8	8.2
	Departure	0.4	1.0	0.2	1.6	3.2	Departure	0.4	2.2	-0.4	0.4	4.5
							Irrigation	0.0	0.0	0.8	0.8	0.0
East Troy (Burlington)		55.9	67.6	71.4	71.5	65.8		3.1	2.6	4.7	4.1	2.5
	Departure	0.0	1.5	0.9	2.5	5.0	Departure	-0.5	-1.2	1.3	0.2	-0.7
Fond du Lac		55.9	66.4	71.4	70.7	64.3		3.3	3.0	3.8	4.7	6.1
	Departure	-0.4	0.4	1.0	2.1	3.6	Departure	0.1	-0.9	0.3	1.2	2.7
Galesville (Trempealeau)		60.7	71.5	74.7	73.6	66.9		3.1	6.6	8.9	7.7	10.5
	Departure	1.4	3.0	2.0	3.1	4.8	Departure	-0.7	2.8	4.5	3.2	6.7
Hancock*		56.3	65.7	70.7	70.4	63.6		2.5	3.6	3.9	5.5	11.8
	Departure	-0.5	-0.8	0.4	2.1	3.6	Departure	-1.2	-0.9	-0.5	1.4	8.4
							Irrigation	1.2	3.1	4.5	3.0	0.6
Marshfield		56.4	66.0	69.8	69.4	61.9		2.9	6.6	4.3	3.9	6.0
	Departure	0.3	0.2	-0.3	1.3	2.8	Departure	-0.8	2.1	0.3	-0.4	2.0
Platteville (Lancaster)		57.9	69.0	71.2	71.6	64.7		3.2	7.0	9.3	7.3	4.1
	Departure	0.6	2.1	0.4	2.6	3.9	Departure	-0.9	1.7	5.0	3.1	1.0
Seymour (Green Bay)		57.8	67.2	71.0	70.7	64.3		3.4	4.4	3.2	2.8	4.3
	Departure	1.6	1.7	1.2	2.2	4.5	Departure	0.4	0.6	-0.3	-0.6	1.3
Spooner*		56.4	65.3	69.5	68.9	61.1		2.2	3.7	6.6	4.7	3.9
	Departure	0.7	0.4	0.2	1.6	2.8	Departure	-1.3	-0.3	2.4	0.5	0.1
							Irrigation	0.3	0.0	1.2	0.0	0.0

* Irrigation applied at Chippewa Falls, Hancock and Spooner (irrigated sand trial).

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

TABLE 11. 2016 Characteristics of Soybean Varieties (1 of 11)

Brand	Entry	Maturity Group	Herbicide Trait ¹	Performance Shown in Table(s):	Seed Treatment	SCN Source ²	PRR Genes ³	Color ⁴			
								Flower	Pubescence	Pod	Hilum
Asgrow	AG0835	0.8	RR2Y	5	Acceleron F/I	PI 88788	Rps 1-c	P	LTW	BR	BL
Asgrow	AG0934	0.9	RR2Y	4,5	Acceleron F/I	PI 88788	Rps 3-a	P	LTW	BR	BR
Asgrow	AG1135	1.1	RR2Y	4,5	Acceleron F/I	PI 88788	Rps 1-c	P	LTW	BR	BL
Asgrow	AG1435	1.4	RR2Y	3,4	Acceleron F/I	PI 88788	Rps 1-c	P	TW	BR	BL
Asgrow	AG14X7	1.4	RR2X	4	Acceleron F/I	PI 88788	Rps 1-c	P	LTW	BR	BL
Asgrow	AG1636	1.6	RR2Y	3	Acceleron F/I	PI 88788	Rps 1-c	P	LTW	BR	BL
Asgrow	AG1935	1.9	RR2Y	3	Acceleron F/I	PI 88788	Rps 1-c	P	LTW	BR	BL
Asgrow	AG2031	2.0	RR2Y	8	None	PI 88788	Rps 1-c	P	G	BR	IB
Asgrow	AG2035	2.0	RR2Y	2,3	Acceleron F/I	PI 88788	Rps 1-c	P	LTW	BR	BL
Asgrow	AG20X7	2.0	RR2X	3	Acceleron F/I	PI 88788	Rps 1-c	P	LTW	BR	BL
Asgrow	AG21X7	2.1	RR2X	2	Acceleron F/I	PI 88788	Rps 1-c	P	LTW	BR	BL
Asgrow	AG2336	2.3	RR2Y	3	Acceleron F/I	PI 88788	Rps 1-k	P	LTW	BR	IB
Asgrow	AG2535	2.5	RR2Y	2	Acceleron F/I	PI 88788	Rps 1-k	P	G	T	IB
Asgrow	AG2636	2.6	RR2Y	2	Acceleron F/I	PI 88788	Rps 1-k	P	LTW	BR	BL
Asgrow	AG2836	2.8	RR2Y	2	Acceleron F/I	PI 88788	Rps 1-c, 3-a	P	LTW	BR	IB
Beck's	185R2	1.8	RR2Y	2	Escalate	PI 88788	Rps 1-c	P	G	T	IB
Beck's	233R4 brand	2.3	GT	2	Escalate	Peking	Rps 1-k	P	LTW	T	BR
Beck's	2353X2	2.3	RR2X	2	Escalate	PI 88788	Rps 1-c	P	G	BR	IB
Beck's	255R2	2.5	RR2Y	2	Escalate	PI 88788	Rps 3-a	P	G	T	IB
Beck's	273R4 brand	2.7	GT	2	Escalate	PI 88788	Rps 1-c	P	LTW	BR	BL
BioGene	BG7110R2Y	1.1	RR2Y	5	Arma	PI 88788	Rps 1-c	W	G	BR	BF
BioGene	BG1300R2Y	1.3	RR2Y	5	Arma	--	Rps 1-c	P	LTW	BR	BL
BioGene	BG7141R2Y	1.4	RR2Y	4	Arma	PI 88788	Rps 1-c	--	LTW	BR	BL
BioGene	BG7151R2Y	1.5	RR2Y	4	Arma	PI 88788	Rps 1-c	P	LTW	BR	BL
BioGene	BG8210RR2X	2.1	RR2X	3	Arma	PI 88788	Rps 1-c	P	LTW	BR	BR
Channel	0906R2 Brand	0.9	RR2Y	5	Acceleron F/I	PI 88788	Rps 3-a	P	LTW	BR	BR
Channel	1517R2X Brand	1.5	RR2X	4	Acceleron F/I	PI 88788	Rps 1-c	P	LTW	BR	BL

All characteristic information is provided by the originator. ¹ Herbicide Trait : CN = conventional, LL = glufosinate, GT & RR2Y = glyphosate, RR2X = glyphosate & dicamba ² Source of SCN Resistance; S =Susceptible.

³PRR= Phytophthora Root Rot Resistance: PRR Genes listed designate resistance to PRR Races. ⁴ BL= 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. 2016 Characteristics of Soybean Varieties (2 of 11)

Brand	Entry	Maturity Group	Herbicide Trait ¹	Performance Shown in Table(s):	Seed Treatment	SCN Source ²	PRR Genes ³	Color ⁴			
								Flower	Pubescence	Pod	Hilum
Channel	1808R2 Brand	1.8	RR2Y	3,4	Acceleron F/I	PI 88788	Rps 1-c	P	LTW	BR	BL
Channel	2108R2 Brand	2.1	RR2Y	2,3	Acceleron F/I	PI 88788	Rps 1-c	P	LTW	BR	BL
Channel	2306R2 Brand	2.3	RR2Y	2	Acceleron F/I	PI 88788	Rps 1-k	P	G	T	IB
Channel	2402R2 Brand	2.4	RR2Y	2	Acceleron F/I	S	Rps 1-c	P	G	BR	BF
Cornelius	CB20R44	2.0	RR2Y	2	CruiserMaxx, Vibrance, ILeVO	PI 88788	Rps 1-c	P	LTW	BR	BL
Cornelius	CB21X22	2.1	RR2X	2	Acceleron	PI 88788	Rps 1-c	P	LTW	BR	BL
Cornelius	CB22R34	2.2	RR2Y	2	CruiserMaxx, Vibrance, ILeVO	PI 88788	--	--	--	--	--
Cornelius	CB23X45	2.3	RR2X	2	Acceleron	PI 88788	Rps 1-c	P	G	BR	IB
Cornelius	CB24R82	2.4	RR2Y	2	CruiserMaxx, Vibrance, ILeVO	PI 88788	--	--	--	--	--
Cornelius	CB26R30	2.6	RR2Y	2	CruiserMaxx, Vibrance, ILeVO	S	Rps 3-a	P	G	T	IB
Cornelius	CB27X27	2.7	RR2X	2	Profit Guard Plus	PI 88788	Rps 1-c	P	G	BR	IB
Cornelius	CB28R58	2.8	RR2Y	2	CruiserMaxx, Vibrance, ILeVO	PI 88788	Rps 3-a	P	LTW	T	BL
Credenz	CZ 1201 LL	1.2	LL	7,8	EverGolEnergy, Poncho/VOTiVO, ILeVO	PI 88788	Rps 1-c	P	LTW	T	BL
Credenz	CZ 1332 LL	1.3	LL	7,8	EverGolEnergy, Poncho/VOTiVO, ILeVO	PI 88788	--	P	LTW	T	BL
Credenz	CZ 1623 LL	1.6	LL	7,8	EverGolEnergy, Poncho/VOTiVO, ILeVO	PI 88788	--	P	G	T	BF
Credenz	CZ 1787 RY	1.7	RR2Y	3,4	EverGolEnergy, Poncho/VOTiVO, ILeVO	--	Rps 1-c	P	G	T	BL
Credenz	CZ 1845 LL	1.8	LL	6,7,8	EverGolEnergy, Poncho/VOTiVO, ILeVO	PI 88788	Rps 1-k	W	LTW	BR	BR
Credenz	CZ 2101 LL	2.1	LL	6,8	EverGolEnergy, Poncho/VOTiVO, ILeVO	PI 88788	Rps 1-c	P	LTW	T	BL
Credenz	CZ 2312 LL	2.3	LL	6,8	EverGolEnergy, Poncho/VOTiVO, ILeVO	PI 88788	Rps 1-k	P	LTW	T	BR
Credenz	CZ 2510 LL	2.5	LL	6	EverGolEnergy, Poncho/VOTiVO, ILeVO	PI 88788	Rps 1-k	P	LTW	T	BR
Credenz	CZ 2601 LL	2.6	LL	6,8	EverGolEnergy, Poncho/VOTiVO, ILeVO	PI 88788	Rps 1-c	P	LTW	T	BL
Credenz	CZ 2788 RY	2.7	RR2Y	2	EverGolEnergy, Poncho/VOTiVO, ILeVO	PI 88788	--	P	LTW	T	BL
Credenz	CZ 2810 LL	2.8	LL	6	EverGolEnergy, Poncho/VOTiVO, ILeVO	PI 88788	Rps 1-k	P	G	T	IB
Credenz	CZ 2915 LL	2.9	LL	6	EverGolEnergy, Poncho/VOTiVO, ILeVO	PI 88788	Rps 1-c	P	G	BR	IB
Dairyland	DSR-0619/R2Y	0.6	RR2Y	4,5	CruiserMaxx, Optimize	PI 88788	Rps 3-a	P	TW	T	BR
Dairyland	DSR-0711/R2Y	0.7	RR2Y	4,5	CruiserMaxx, Optimize	PI 88788	Rps 1-k	P	TW	BR	G

All characteristic information is provided by the originator. ¹ Herbicide Trait : CN = conventional, LL = glufosinate, GT & RR2Y = glyphosate, RR2X = glyphosate & dicamba ² Source of SCN Resistance; S =Susceptible.

³ PRR= Phytophthora Root Rot Resistance: PRR Genes listed designate resistance to PRR Races. ⁴ BL= 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. 2016 Characteristics of Soybean Varieties (3 of 11)

Brand	Entry	Maturity Group	Herbicide Trait ¹	Performance Shown in Table(s):	Seed Treatment	SCN Source ²	PRR Genes ³	Color ⁴			
								Flower	Pubescence	Pod	Hilum
Dairyland	DSR-0807/R2Y	0.8	RR2Y	4,5	CruiserMaxx, Optimize	--	Rps 1-c	P	LTW	BR	Y
Dairyland	DSR-0988/R2Y	0.9	RR2Y	4,5	CruiserMaxx, Optimize	PI 88788	Rps 1-c	P	LTW	BR	BL
Dairyland	DSR-1120/R2Y	1.1	RR2Y	3,4	CruiserMaxx, Optimize	--	Rps 1-k	P	G	BR	Y
Dairyland	DSR-1313/R2Y	1.3	RR2Y	3,4	CruiserMaxx, Optimize	PI 88788	Rps 1-c	P	LTW	BR	BL
Dairyland	DSR-1526/R2Y	1.5	RR2Y	2,3,4	CruiserMaxx, Optimize	PI 88788	Rps 1-c	P	LTW	BR	BL
Dairyland	DSR-1721/R2Y	1.7	RR2Y	2,3,4	CruiserMaxx, Optimize	PI 88788	Rps 1-k	P	G	T	IB
Dairyland	DSR-1870/R2Y	1.8	RR2Y	2,3	CruiserMaxx, Optimize	PI 88788	Rps 1-c	P	LTW	BR	BL
Dairyland	DSR-2017/R2Y	2.0	RR2Y	2,3	CruiserMaxx, Optimize	PI 88788	Rps 1-c	P	LTW	BR	BL
Dairyland	DSR-2110/R2Y	2.1	RR2Y	2,3	CruiserMaxx, Optimize	PI 88788	Rps 1-c	P	LTW	T	BR
Dairyland	DSR-2330/R2Y	2.3	RR2Y	2,3	CruiserMaxx, Optimize	PI 88788	Rps 1-k	P	LTW	BR	BL
Dairyland	DSR-2616/R2Y	2.6	RR2Y	2	CruiserMaxx, Optimize	PI 88788	Rps 3-a	P	G	T	IB
Dairyland	DSR-2707/R2Y	2.7	RR2Y	2	CruiserMaxx, Optimize	PI 88788	--	P	LTW	BR	BL
Dairyland	DSR-2909/R2Y	2.9	RR2Y	2	CruiserMaxx, Optimize	PI 88788	Rps 1-a	P	LTW	T	BL
DuPont Pioneer	P09T74R2	0.9	RR2Y	5	Apron, EvergolEnergy, Gaucho, PPST 2030	PI 88788	Rps 1-c	P	LTW	T	BL
DuPont Pioneer	P10T48R	1.0	GT	5	Apron, EvergolEnergy, Gaucho, PPST 2030	--	Rps 1-c	P	G	BR	BF
DuPont Pioneer	91M10	1.1	CN	6,7	None	--	--	--	--	--	Y
DuPont Pioneer	P15T46R2	1.5	RR2Y	4	Apron, EvergolEnergy, Gaucho, PPST 2030	PI 88788	Rps 1-c	P	LTW	T	BR
DuPont Pioneer	P18T26R2	1.8	RR2Y	4	Apron, EvergolEnergy, Gaucho, PPST 2030	PI 88788	Rps 1-k	P	G	T	IB
DuPont Pioneer	P19T39R2	1.9	RR2Y	3	Apron, EvergolEnergy, Gaucho, PPST 2030	PI 88788	Rps 1-k	P	G	BR	IB
DuPont Pioneer	P22T41R2	2.2	RR2Y	3	Apron, EvergolEnergy, Gaucho, PPST 2030	Peking	Rps 1-k	P	G	T	IB
DuPont Pioneer	P24T05R	2.4	GT	2	Apron, EvergolEnergy, Gaucho, PPST 2030	PI 88788	Rps 1-k	P	LTW	BR	BL
DuPont Pioneer	P25T51R	2.5	GT	2	Apron, EvergolEnergy, Gaucho, PPST 2030	PI 88788	Rps 1-c, 3-a	W	LTW	T	BR
DuPont Pioneer	P28T08R	2.8	GT	2	Apron, EvergolEnergy, Gaucho, PPST 2030	PI 88788	Rps 1-k	P	LTW	BR	BL
Dyna-Gro	S11XT46	1.1	RR2X	4	Acceleron	PI 88788	Rps 3-a	P	LTW	T	BR
Dyna-Gro	S12RY44	1.2	RR2Y	4	Clariva Complete	PI 88788	Rps 1-k	P	LTW	BR	BL
Dyna-Gro	S14RY95	1.4	RR2Y	4	Clariva Complete	PI 88788	Rps 1-c	P	LTW	BR	BL

All characteristic information is provided by the originator. ¹ Herbicide Trait : CN = conventional, LL = glufosinate, GT & RR2Y = glyphosate, RR2X = glyphosate & dicamba ² Source of SCN Resistance; S =Susceptible.

³ PRR= Phytophthora Root Rot Resistance: PRR Genes listed designate resistance to PRR Races. ⁴ BL= 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. 2016 Characteristics of Soybean Varieties (4 of 11)

Brand	Entry	Maturity Group	Herbicide Trait ¹	Performance Shown in Table(s):	Seed Treatment	SCN Source ²	PRR Genes ³	Color ⁴			
								Flower	Pubescence	Pod	Hilum
Dyna-Gro	S17RY06	1.7	RR2Y	3,4	Clariva Complete	PI 88788	S	P	LTW	BR	BL
Dyna-Gro	S20RY45	2.0	RR2Y	3	Clariva Complete	PI 88788	Rps 1-c	P	LTW	BR	BL
Dyna-Gro	S21RY56	2.1	RR2Y	3	Clariva Complete	PI 88788	Rps 1-c	P	G	BR	IB
Dyna-Gro	S21XT77	2.1	RR2X	3	Acceleron	PI 88788	Rps 1-c	P	LTW	BR	BL
Dyna-Gro	S23RY85	2.3	RR2Y	2,3	Clariva Complete	PI 88788	Rps 1-c	P	LTW	BR	BL
Dyna-Gro	S23XT97	2.3	RR2X	2	Acceleron	PI 88788	Rps 1-c	P	G	BR	IB
Dyna-Gro	S24RY87	2.4	RR2Y	2	Clariva Complete	PI 88788	Rps 1-k	P	LTW	BR	BL
Dyna-Gro	S26RY37	2.6	RR2Y	2	Clariva Complete	PI 88788	S	P	LTW	T	BL
Federal Hybrids	F0860NR2X	0.8	RR2X	4,5	Maximum ArmourGuard	PI 88788	Rps 3-a	P	LTW	BR	BR
Federal Hybrids	F087NRR2Y	0.8	RR2Y	4,5	Maximum ArmourGuard	PI 88788	Rps 1-c	P	LTW	BR	BL
Federal Hybrids	F0960NR2X	0.9	RR2X	4,5	None	PI 88788	Rps 3-a	P	LTW	T	BR
Federal Hybrids	F106NRR2Y	1.0	RR2Y	4,5	Maximum ArmourGuard	PI 88788	Rps 1-c	P	LTW	BR	BL
Federal Hybrids	F115NRR2Y	1.1	RR2Y	4	Maximum ArmourGuard	PI 88788	Rps 1-c	W	G	BR	BF
Federal Hybrids	F1260NR2X	1.2	RR2X	4	None	PI 88788	Rps 3-a	P	LTW	T	BL
Federal Hybrids	F1370NR2X	1.3	RR2X	4	Acceleron	PI 88788	Rps 3-a, 1-c	P	LTW	BR	BL
Federal Hybrids	F1470NR2X	1.4	RR2X	4	Acceleron	Peking	Rps 1-c	P	G	BR	IB
Federal Hybrids	F147NRR2Y	1.4	RR2Y	4	Maximum ArmourGuard	PI 88788	Rps 1-c	P	LTW	BR	BL
Federal Hybrids	F154NRR2Y	1.5	RR2Y	4	Maximum ArmourGuard	PI 88788	Rps 1-c	P	LTW	BR	BL
Federal Hybrids	F1670NR2X	1.6	RR2X	4	Maximum ArmourGuard	PI 88788	Rps 1-c	P	G	BR	IB
Federal Hybrids	F185NRR2Y	1.8	RR2Y	4	Maximum ArmourGuard	PI 88788	Rps 1-k	P	G	T	IB
Federal Hybrids	F2170NR2X	2.1	RR2X	4	Maximum ArmourGuard	PI 88788	Rps 1-c	P	LTW	BR	BL
FS HiSOY	HS 18X60	1.8	RR2X	2,3,4,8	Acceleron	PI 88788	Rps 1-c	P	G	BR	IB
FS HiSOY	HS 19A50	1.9	RR2Y	2,3,4	Acceleron	PI 88788	Rps 1-c	P	G	T	BL
FS HiSOY	HS 21X60	2.1	RR2X	2,3,8	Clariva Complete	PI 88788	Rps 1-c	P	LTW	BR	BL
FS HiSOY	HS 23A42	2.3	RR2Y	2,3	Acceleron	PI 88788	Rps 1-c	P	LTW	BR	BL
FS HiSOY	HS 23X60	2.3	RR2X	2,3,8	Acceleron	PI 88788	Rps 1-c	P	G	BR	IB

All characteristic information is provided by the originator. ¹ Herbicide Trait : CN = conventional, LL = glufosinate, GT & RR2Y = glyphosate, RR2X = glyphosate & dicamba ² Source of SCN Resistance; S =Susceptible.

³ PRR= Phytophthora Root Rot Resistance: PRR Genes listed designate resistance to PRR Races. ⁴ BL= 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. 2016 Characteristics of Soybean Varieties (5 of 11)

Brand	Entry	Maturity Group	Herbicide Trait ¹	Performance Shown in Table(s):	Seed Treatment	SCN Source ²	PRR Genes ³	Color ⁴			
								Flower	Pubescence	Pod	Hilum
FS HiSOY	HS 26X60	2.6	RR2X	2	Clariva Complete	PI 88788	Rps 1-c	P	G	T	G
FS HiSOY	HS 27X60	2.7	RR2X	2	Clariva Complete	PI 88788	Rps 1-c	P	G	BR	IB
FS HiSOY	HS 28X50	2.8	RR2X	2	Acceleron	PI 88788	Rps 1-k, 3-a	P	G	BR	IB
Great Lakes Hybrids	GL0609R2	0.6	RR2Y	5	AgriSheild F/I, Clariva	PI 88788	Rps 1-k	P	LTW	T	BR
Great Lakes Hybrids	GL0950NR2	0.9	RR2Y	4,5	AgriSheild F/I, Clariva	PI 88788	Rps 1-c	P	LTW	BR	BL
Great Lakes Hybrids	GL1367NR2	1.3	RR2Y	4	AgriSheild F/I, Clariva	PI 88788	Rps 1-c	P	LTW	BR	BL
Great Lakes Hybrids	GL1760NRX	1.7	RR2X	4,8	Acceleron F	PI 88788	Rps 1-c	P	G	BR	IB
Great Lakes Hybrids	GL1865NR2	1.8	RR2Y	3,4	AgriSheild F/I, Clariva	PI 88788	Rps 1-c	P	LTW	BR	BL
Great Lakes Hybrids	GL1953NR2	1.9	RR2Y	3	AgriSheild F/I, Clariva	PI 88788	Rps 1-c	P	G	T	IB
Great Lakes Hybrids	GL2039R2	2.0	RR2Y	3	AgriSheild F/I, Clariva	PI 88788	Rps 1-c	P	LTW	BR	BL
Great Lakes Hybrids	GL2063NRX	2.0	RR2X	3	AgriSheild F/I	PI 88788	Rps 1-c	P	LTW	BR	BL
Great Lakes Hybrids	GL2269NR2	2.2	RR2Y	2,3	AgriSheild F/I	PI 88788	Rps 1-c	P	LTW	BR	BL
Great Lakes Hybrids	GL2465NRX	2.4	RR2X	3	AgriSheild F/I, Clariva	PI 88788	Rps 1-k	P	G	BR	IB
Great Lakes Hybrids	GL2469R2	2.4	RR2Y	2	AgriSheild F/I, Clariva	PI 88788	Rps 1-c	P	LTW	BR	BL
Great Lakes Hybrids	GL2551NR2	2.5	RR2Y	2	AgriSheild F/I, Clariva	PI 88788	Rps 1-k	P	LTW	BR	BL
Great Lakes Hybrids	GL2789R2	2.7	RR2Y	2	AgriSheild F/I, Clariva	PI 88788	Rps 1-c	P	G	BR	IB
Hughes	236LL	2.3	LL	6	CruiserMaxx, Vibrance	S	Rps 1-k	P	LTW	T	BR
Hughes	266LL	2.6	LL	6	CruiserMaxx, Vibrance, ILeVO	S	Rps 1-c	P	LTW	T	BL
Illini	2561Na	2.5	CN	6	CruiserMaxx	PI 88788	--	W	LTW	BR	BL
Illini	ILX15064R1a	2.5	GT	2	CruiserMaxx	PI 88788	--	P	G	T	BF
Illini	2643N	2.6	CN	6	CruiserMaxx	PI 88788	--	P	G	BR	G
Illini	2668Na	2.6	CN	6	CruiserMaxx	PI 88788, PI 437654	--	P	G	BR	BF
Illini	ILX15129R1a	2.7	GT	2	CruiserMaxx	PI 88788	--	M	TW	BR	BR
Illini	2880Na	2.8	CN	6	CruiserMaxx	PI 88788	--	P	G	BR	BF
Illini	ILX15246R2a	2.9	RR2Y	2	CruiserMaxx	PI 88788	--	P	G	T	IB

All characteristic information is provided by the originator. ¹ Herbicide Trait : CN = conventional, LL = glufosinate, GT & RR2Y = glyphosate, RR2X = glyphosate & dicamba ² Source of SCN Resistance; S =Susceptible.

³ PRR= Phytophthora Root Rot Resistance: PRR Genes listed designate resistance to PRR Races. ⁴ BL= 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. 2016 Characteristics of Soybean Varieties (6 of 11)

Brand	Entry	Maturity Group	Herbicide Trait ¹	Performance Shown in Table(s):	Seed Treatment	SCN Source ²	PRR Genes ³	Color ⁴			
								Flower	Pubescence	Pod	Hilum
ISURF	IA1022	1.9	CN	6,7	None	--	--	P	G	T	Y
ISURF	IAR1902SCN	1.9	CN	6,7	None	--	--	--	--	--	--
ISURF	IA2104	2.5	CN	6	None	--	--	W	TW	BR	Y
ISURF	IA2102	2.7	CN	6	None	--	--	W	G	T	Y
ISURF	IA2112RA12	2.7	CN	6	None	--	--	W	G	T	Y
ISURF	IA2102RA12	2.8	CN	6	None	--	--	W	G	T	Y
Jung	1082R2X	0.8	RR2X	5	Acceleron F/I	PI 88788	Rps 3-a	P	LTW	T	BR
Jung	1090RR2	0.9	RR2Y	5	Acceleron F/I	PI 88788	Rps 1-c	P	LTW	BR	BL
Jung	1102R2X	1.0	RR2X	5	Acceleron F/I	PI 88788	Rps 1-c	P	LTW	BR	BR
Jung	1122R2X	1.2	RR2X	4	Acceleron F/I	PI 88788	Rps 3-a	P	LTW	T	BR
Jung	1132R2X	1.3	RR2X	4	Acceleron F/I	Peking	Seg. Rps 1-c	P	G	BR	IB
Jung	1172R2X	1.7	RR2X	4	Acceleron F/I	PI 88788	Rps 3-a	P	LTW	BR	BR
Jung	1192R2X	1.9	RR2X	3	Acceleron F/I	PI 88788	Rps 1-k	P	LTW	BR	BL
Jung	1242R2X	2.4	RR2X	2,3	Acceleron F/I	PI 88788	Rps 1-c	P	G	BR	IB
Jung	1271R2X	2.7	RR2X	2	Acceleron F/I	PI 88788	Rps 1-c	P	G	BR	IB
Legacy Seeds	LS-0635NRR2	0.6	RR2Y	5	L-Coat Total, Excalibre	PI 88788	Rps 3-a	P	TW	T	BR
Legacy Seeds	LS-0837NRR2	0.8	RR2Y	5	L-Coat Total, Excalibre	PI 88788	Rps 1-c	P	LTW	BR	BL
Legacy Seeds	LS-0935NRR2	0.9	RR2Y	5	L-Coat Total, Excalibre	PI 88788	Rps 1-c	P	LTW	BR	BL
Legacy Seeds	LS-1335NRR2	1.3	RR2Y	3,4,5	L-Coat Total, Excalibre	PI 88788	Rps 1-c	P	LTW	BR	BL
Legacy Seeds	LS-1533NRR2	1.5	RR2Y	4	L-Coat Total, Excalibre	PI 88788	Rps 1-c	P	LTW	BR	BL
Legacy Seeds	LS-1737NRR2	1.7	RR2Y	3,4	L-Coat Total, Excalibre	PI 88788	Rps 1-c	P	LTW	BR	BL
Legacy Seeds	LS-1934NRR2	1.9	RR2Y	2,3,4	L-Coat Total, Excalibre	PI 88788	Rps 1-c	P	G	T	IB
Legacy Seeds	LS-2137NRR2	2.1	RR2Y	2,3	L-Coat Total, Excalibre	PI 88788	Rps 1-c	P	LTW	BR	BL
Legacy Seeds	LS-2437NRR2	2.4	RR2Y	2	L-Coat Total, Excalibre	PI 88788	Rps 1-k	P	LTW	BR	BL
Legacy Seeds	LS-2834NRR2	2.8	RR2Y	2	L-Coat Total, Excalibre	PI 88788	Rps 1-a	P	LTW	T	BL
Legend Seeds	LS 09R606N	0.9	RR2Y	5	CruiserMaxx, Vibrance	PI 88788	Rps 3-a	--	--	--	--

All characteristic information is provided by the originator. ¹ Herbicide Trait : CN = conventional, LL = glufosinate, GT & RR2Y = glyphosate, RR2X = glyphosate & dicamba ² Source of SCN Resistance; S =Susceptible.

³ PRR= Phytophthora Root Rot Resistance: PRR Genes listed designate resistance to PRR Races. ⁴ BL= 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. 2016 Characteristics of Soybean Varieties (7 of 11)

Brand	Entry	Maturity Group	Herbicide Trait ¹	Performance Shown in Table(s):	Seed Treatment	SCN Source ²	PRR Genes ³	Color ⁴			
								Flower	Pubescence	Pod	Hilum
Legend Seeds	LS 11R760N	1.0	RR2Y	4,5	Clariva Complete, Mertect	PI 88788	Rps 3-a, 1-k	--	--	--	--
Legend Seeds	LS 14R22N	1.4	RR2Y	4	CruiserMaxx, Vibrance	PI 88788	Rps 1-c	--	--	--	--
Legend Seeds	LS 1527LLN	1.5	LL	7	CruiserMaxx, Vibrance	PI 88788	Rps 1-c	--	--	--	--
Legend Seeds	LS 17R500N	1.7	RR2Y	3	CruiserMaxx, Vibrance	PI 88788	Rps 1-k	--	--	--	--
Legend Seeds	LS 1845LLN	1.9	LL	6,7	CruiserMaxx, Vibrance	PI 88788	S	--	--	--	--
Legend Seeds	LS 20R524N	2.0	RR2Y	2,3	CruiserMaxx, Vibrance	PI 88788	Rps 1-c	--	--	--	--
Legend Seeds	LS 2143LLN	2.1	LL	6	CruiserMaxx, Vibrance	PI 88788	Rps 1-c	--	--	--	--
Legend Seeds	LS 24R563N	2.3	RR2Y	2	CruiserMaxx, Vibrance	PI 88788	Rps 1-c	--	--	--	--
LG Seeds	C1428R2	1.4	RR2Y	4	Agrishield F/I/N	PI 88788	Rps 1-c	P	LTW	BR	BL
LG Seeds	C1530R2	1.5	RR2Y	4	Agrishield F/I/N	PI 88788	Rps 1-c	P	LTW	BR	BL
LG Seeds	C1870R2	1.8	RR2Y	3	Agrishield F/I/N	PI 88788	Rps 1-c	P	G	T	IB
LG Seeds	C1917R2	1.9	RR2Y	3	Agrishield F/I/N	PI 88788	Rps 1-c, 1-k	P	LTW	BR	BL
LG Seeds	C2020R2	2.0	RR2Y	3	Agrishield F/I/N	PI 88788	Rps 1-c	P	LTW	BR	BL
LG Seeds	C2255R2	2.2	RR2Y	2	Agrishield F/I/N	PI 88788	Rps 1-c	P	LTW	BR	BL
LG Seeds	C2441R2	2.4	RR2Y	2	Agrishield F/I/N	PI 88788	Rps 1-c	P	TW	T	BL
Munson	8087R2Y	0.8	RR2Y	4	Intego Suite	PI 88788	Rps 1-c	P	LTW	BR	BL
Munson	8107R2Y	1.0	RR2Y	4	Intego Suite	PI 88788	Rps 3-a, 1-k	P	LTW	BR	BR
Munson	8146R2Y	1.4	RR2Y	4	Intego Suite	PI 88788	Rps 1-c	P	LTW	BR	BL
Munson	8153R2Y	1.5	RR2Y	4	Intego Suite	PI 88788	Rps 1-c	P	LTW	BR	BL
Munson	8196R2Y	1.9	RR2Y	4	Intego Suite	PI 88788	Rps 1-c	P	G	T	IB
Munson	8227R2Y	2.2	RR2Y	2	Intego Suite	PI 88788	Rps 1-c	P	LTW	BR	BL
Munson	8247R2Y	2.4	RR2Y	2	Intego Suite	PI 88788	Rps 1-k	P	LTW	BR	BL
Munson	8284R2Y	2.8	RR2Y	2	Intego Suite	PI 88788	Rps 1-a	P	LTW	T	BL
Mycogen	5N194R2	1.9	RR2Y	3	Clariva Complete	PI 88788	Rps 1-c	P	G	T	IB
Mycogen	5N206R2	2.0	RR2Y	3	Clariva Complete	PI 88788	Rps 1-c	P	LTW	BR	BL

All characteristic information is provided by the originator. ¹ Herbicide Trait : CN = conventional, LL = glufosinate, GT & RR2Y = glyphosate, RR2X = glyphosate & dicamba ² Source of SCN Resistance; S =Susceptible.

³PRR= Phytophthora Root Rot Resistance: PRR Genes listed designate resistance to PRR Races. ⁴ BL= 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. 2016 Characteristics of Soybean Varieties (8 of 11)

Brand	Entry	Maturity Group	Herbicide Trait ¹	Performance Shown in Table(s):	Seed Treatment	SCN Source ²	PRR Genes ³	Color ⁴			
								Flower	Pubescence	Pod	Hilum
NK	S08-M2 Brand	0.9	RR2Y	5	Clariva Complete, Mertect	PI 88788	Rps 1-c	P	LTW	BR	BL
NK	S09-V8 Brand	0.9	RR2Y	5	Clariva Complete, Mertect	PI 88788	--	P	LTW	T	BL
NK	S12-H2 Brand	1.2	RR2Y	4	Clariva Complete, Mertect	PI 88788	Rps 1-c	P	LTW	T	BL
NK	S12-R3 Brand	1.2	RR2Y	3,4	Clariva Complete, Mertect	PI 88788	'--	P	LTW	T	BL
NK	S14-A6 Brand	1.4	RR2Y	3,4	Clariva Complete, Mertect	PI 88788	Rps 1-k	P	LTW	T	BL
NK	S19-B2 Brand	1.9	RR2Y	3	Clariva Complete, Mertect	PI 88788	--	P	LTW	T	BL
NK	S20-T6 Brand	2.0	RR2Y	2,3	Clariva Complete, Mertect	PI 88788	Rps 1-c	W	LTW	BR	BL
NK	S21-M7 Brand	2.1	RR2Y	2,3,8	Clariva Complete, Mertect	PI 88788	Rps 1-k	P	LTW	BR	BL
NK	S22-S1 Brand	2.2	RR2Y	3	Clariva Complete, Mertect	PI 88788	Rps 1-c	W	LTW	BR	BL
NK	S25-L9 Brand	2.5	RR2Y	2,3	Clariva Complete, Mertect	PI 88788	Rps 1-c	W	G	T	BF
NK	S26-P3 Brand	2.6	RR2Y	2	Clariva Complete, Mertect	PI 88788	--	P	LTW	BR	BR
NK	S28-N6 Brand	2.8	RR2Y	2	Clariva Complete, Mertect	PI 88788	Rps 1-c	W	LTW	BR	BR
NuTech	6097R2	0.9	RR2Y	5	SmartCote Supreme	S	Rps 3-a	P	LTW	BR	BR
NuTech	3115L	1.1	LL	7	SmartCote Supreme	PI 88788	Rps 1-c	P	LTW	T	BL
NuTech	7127R2	1.2	RR2Y	2,3,4	SmartCote Supreme	PI 88788	S	P	LTW	T	BL
NuTech	3174L	1.7	LL	6,7	SmartCote Supreme	PI 88788	Rps 1-c	P	LTW	T	BL
NuTech	7172R2	1.7	RR2Y	2,3,4	SmartCote Supreme	PI 88788	S	P	LTW	BR	BL
NuTech	3205L	2.0	LL	6	SmartCote Supreme	PI 88788	Rps 1-c	P	LTW	T	BL
NuTech	7217R2	2.1	RR2Y	2,3	SmartCote Supreme	PI 88788	S	W	LTW	T	BR
NuTech	3252L	2.5	LL	6	SmartCote Supreme	PI 88788	Rps 1-c	P	LTW	T	BL
NuTech	7279	2.7	GT	2	SmartCote Supreme	PI 88788	Rps 1-c	P	LTW	T	BL
O'Brien	O'SOY173R2Y	1.7	RR2Y	3	Intego Suite, BioForge	--	--	P	G	T	BF
O'Brien	O'SOY196NR2Y1	1.9	RR2Y	2,3	Intego Suite, BioForge	--	--	--	--	--	--
O'Brien	O'SOY245NR2Y	2.4	RR2Y	2	Intego Suite, BioForge	PI 88788	Rps 1-c	P	TW	T/BR	BR
Power Plus	20B7	2.0	GT	2	Evergol Energy, ILeVO	Peking	Rps 1-k	P	LTW	T	BR
Power Plus	24P4	2.4	GT	2	Evergol Energy	Peking	Rps 1-k	P	LTW	T	BR

All characteristic information is provided by the originator. ¹ Herbicide Trait : CN = conventional, LL = glufosinate, GT & RR2Y = glyphosate, RR2X = glyphosate & dicamba ² Source of SCN Resistance; S = Susceptible.

³ PRR = Phytophthora Root Rot Resistance: PRR Genes listed designate resistance to PRR Races. ⁴ BL = 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. 2016 Characteristics of Soybean Varieties (9 of 11)

Brand	Entry	Maturity Group	Herbicide Trait ¹	Performance Shown in Table(s):	Seed Treatment	SCN Source ²	PRR Genes ³	Color ⁴			
								Flower	Pubescence	Pod	Hilum
Power Plus	25A5	2.5	GT	2	Evergol Energy, ILeVO	Peking	Rps 1-k	P	LTW	T	BR
Power Plus	26Z5	2.6	GT	2	Evergol Energy, ILeVO	PI 88788	Rps 1-k	P	LTW	BR	BR
ProHarvest	2484CR2Y	2.4	RR2Y	2,3	Protect DI	PI 88788	Rps 1-c	P	LTW	T/BR	BR
ProHarvest	0871CR2Y	0.8	RR2Y	5	CruiserMaxx, Vibrance	PI 88788	Rps 1-c	P	LTW	BR	BR
ProHarvest	1171R2Y	1.1	RR2Y	5	CruiserMaxx, Vibrance	S	Rps 3-a	P	LTW	T	BR
ProHarvest	1484CR2Y	1.4	RR2Y	4,5	CruiserMaxx, Vibrance	PI 88788	Rps 1-k	P	LTW	BR	BR
ProHarvest	1563CR2Y	1.5	RR2Y	4,5	Protect DI	PI 88788	Rps 1-c	P	LTW	BR	BL
ProHarvest	1771CR2Y	1.7	RR2Y	3,4	CruiserMaxx, Vibrance	PI 88788	Rps 1-k	P	G	T	IB
ProHarvest	1863CR2Y	1.8	RR2Y	3,4	Protect DI	PI 88788	Rps 1-c	P	LTW	BR	BL
ProHarvest	2084CR2Y	2.0	RR2Y	2,3	CruiserMaxx, Vibrance	PI 88788	Rps 1-c	P	LTW	BR	BR
Public	M06-289001	0.3	CN	7	None	--	--	--	--	--	--
Public	M06-289237	0.8	CN	7	None	--	--	--	--	--	--
Public	MN0808CN	0.8	CN	7	None	--	--	--	--	--	--
Public	Sheyenne	0.8	CN	7	None	--	--	P	G	BR	Y
Public	MN1312CN	1.3	CN	6,7	None	--	--	--	--	--	--
Public	MN1410	1.4	CN	6,7	None	--	--	W	G	BR	BF
Public	MN1613CN	1.6	CN	6,7	None	--	--	--	--	--	--
Public	MN1701CN	1.6	CN	6,7	None	--	--	--	--	--	--
Public	MN1806CN	1.6	CN	6,7	None	--	--	--	--	--	--
Renk	RS066R2	0.6	RR2Y	5	CruiserMaxx, Optimize	S	--	W	LTW	BR	BL
Renk	RS067NR2	0.6	RR2Y	5	CruiserMaxx, Optimize	PI 88788	Rps 3-a	P	LTW	T	BR
Renk	RS084NR2	0.8	RR2Y	5	CruiserMaxx, Optimize	--	Rps 1-c	P	LTW	BR	BF
Renk	RS096NR2	0.9	RR2Y	5	CruiserMaxx, Optimize	S	Rps 1-c	P	LTW	BR	BL
Renk	RS145NR2	1.4	RR2Y	4	CruiserMaxx, Optimize	PI 88788	Rps 1-k	P	LTW	BR	BL
Renk	RS147NR2	1.4	RR2Y	4	CruiserMaxx, Optimize	--	--	--	--	--	--
Renk	RS175NR2	1.7	RR2Y	3,4	CruiserMaxx, Optimize	PI 88788	Rps 1-k	P	G	T	IB

All characteristic information is provided by the originator. ¹ Herbicide Trait : CN = conventional, LL = glufosinate, GT & RR2Y = glyphosate, RR2X = glyphosate & dicamba ² Source of SCN Resistance; S =Susceptible.

³ PRR= Phytophthora Root Rot Resistance: PRR Genes listed designate resistance to PRR Races. ⁴ BL= 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. 2016 Characteristics of Soybean Varieties (10 of 11)

Brand	Entry	Maturity Group	Herbicide Trait ¹	Performance Shown in Table(s):	Seed Treatment	SCN Source ²	PRR Genes ³	Color ⁴			
								Flower	Pubescence	Pod	Hilum
Renk	RS187NR2	1.8	RR2Y	3,4	CruiserMaxx, Optimize	PI 88788	Rps 1-c	P	LTW	BR	BL
Renk	RS195NR2	1.9	RR2Y	3	CruiserMaxx, Optimize	PI 88788	Rps 1-c	P	G	T	IB
Renk	RS213NR2	2.1	RR2Y	2,3	CruiserMaxx, Optimize	PI 88788	Rps 1-c	P	LTW	BR	BL
Renk	RS246NR2	2.4	RR2Y	2,3	CruiserMaxx, Optimize	PI 88788	Rps 1-k	P	LTW	BR	BL
Renk	RS265NR2	2.6	RR2Y	2	CruiserMaxx, Optimize	--	Rps 3-a	P	G	T	IB
Renk	RS276NX	2.7	RR2X	2	CruiserMaxx, Optimize	PI 88788	Rps 1-k, 3-a	P	G	BR	IB
Renk	RS286NR2	2.8	RR2Y	2	CruiserMaxx, Optimize	PI 88788	Rps 1-k	P	G	T	IB
Steyer	0901R2	1.0	RR2Y	4,5	Sure Stand	PI 88788	Rps 3-a	P	LTW	T	BR
Steyer	1101R2	1.0	RR2Y	4,5	Sure Stand	PI 88788	Rps 1-c	P	LTW	T	BR
Steyer	1401LL	1.4	LL	7	Sure Stand	--	--	--	--	--	--
Steyer	1601R2	1.6	RR2Y	4,5	Sure Stand	--	--	--	--	--	--
Steyer	1702R2	1.6	RR2Y	4	Sure Stand	PI 88788	Rps 1-c	P	G	T	BF
Steyer	1901R2	1.9	RR2Y	3,4	Sure Stand	PI 88788	Rps 1-c	P	LTW	T	BL
Steyer	2102R2	2.1	RR2Y	3,4	Sure Stand	--	--	--	--	--	--
Steyer	2101R2	2.2	RR2Y	2,3	Sure Stand	--	--	--	--	--	--
Steyer	2202R2	2.2	RR2Y	2,3,4	Sure Stand	PI 88788	Rps 1-k	P	LTW	BR	BL
Steyer	2604R2	2.6	RR2Y	2	Sure Stand	--	--	--	--	--	--
Steyer	2702R2	2.7	RR2Y	2	Sure Stand	--	--	--	--	--	--
Stine	08RI02	0.8	RR2Y	5	ApronMaxx, Nitroshield	--	--	--	--	--	--
Stine	09RI62	0.9	RR2Y	5	ApronMaxx, Nitroshield	--	--	--	--	--	--
Stine	10RD03	1.0	RR2Y	5	ApronMaxx, Nitroshield	--	--	--	--	--	--
Stine	13RI32	1.3	RR2Y	4	ApronMaxx, Nitroshield	--	--	--	--	--	--
Stine	14RD62	1.4	RR2Y	3,4	ApronMaxx, Nitroshield	--	--	--	--	--	--
Stine	19RF32	1.9	RR2Y	3,4	ApronMaxx, Nitroshield	--	--	--	--	--	--
Stine	20RD20	2.0	RR2Y	3	ApronMaxx, Nitroshield	--	--	--	--	--	--
Titan Pro	TP-17X26	1.7	RR2X	2,3	None	PI 88788	Rps 3-a	P	LTW	BR	BR
Titan Pro	TP-20R25	2.0	RR2Y	2,3	Intego Suite	PI 88788	Rps 1-c	P	LTW	BR	BL

All characteristic information is provided by the originator. ¹ Herbicide Trait : CN = conventional, LL = glufosinate, GT & RR2Y = glyphosate, RR2X = glyphosate & dicamba ² Source of SCN Resistance; S =Susceptible.

³PRR= Phytophthora Root Rot Resistance: PRR Genes listed designate resistance to PRR Races. ⁴ BL= 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. 2016 Characteristics of Soybean Varieties (11 of 11)

Brand	Entry	Maturity Group	Herbicide Trait ¹	Performance Shown in Table(s):	Seed Treatment	SCN Source ²	PRR Genes ³	Color ⁴			
								Flower	Pubescence	Pod	Hilum
Titan Pro	TP-21X46	2.1	RR2X	2,3	None	PI 88788	Rps 1-c	P	LTW	BR	BL
Titan Pro	TP-24R26	2.4	RR2Y	2	Intego Suite	PI 88788	Rps 1-k	P	LTW	BR	BL
Titan Pro	TP-26R35	2.6	RR2Y	2	Intego Suite	PI 88788	Rps 3-a	P	G	T	IB
Titan Pro	TP-28X45	2.8	RR2X	2	Intego Suite	PI 88788	Rps 1-k, 3-a	P	G	BR	IB
Tracy	0900GT	0.9	GT	4	Intego Suite	--	--	W	LTW	BR	BR
Tracy	1305LL	1.3	LL	7	Intego Suite	PI 88788	--	P	LTW	T	BL
Tracy	1726LL	1.7	LL	7	Intego Suite	PI 88788	--	P	LTW	T	BL
Tracy	1900GT	1.9	GT	3	Intego Suite	--	--	--	--	--	--
Tracy	2500GT	2.5	GT	2	Intego Suite	PI 88788	Rps 1-c	W	LTW	BR	BL
Tracy	2626LL	2.6	LL	6	Intego Suite	PI 88788	Rps 1-c	P	LTW	T	BL
Viking	0.1202N	1.2	CN	7	None	PI 88788	Rps 1-k	P	TW	BR	BR
Viking	0.1518N	1.5	CN	7	None	PI 88788	--	P	LTW	BR	BR
Viking	0.1706N	1.7	CN	7	None	--	--	W	LTW	BR	BL
Viking	2018N	2.0	CN	6	None	--	Rps 3-a	P	G	BR	BL
Viking	0.2188AT12N	2.3	CN	6	None	PI 88788	--	W	G	T	Y
Viking	0.2399AT12N	2.5	CN	6	None	PI 88788	--	P	G	T	Y

All characteristic information is provided by the originator. ¹ Herbicide Trait : CN = conventional, LL = glufosinate, GT & RR2Y = glyphosate, RR2X = glyphosate & dicamba ² Source of SCN Resistance; S =Susceptible.

³ PRR= Phytophthora Root Rot Resistance: PRR Genes listed designate resistance to PRR Races. ⁴ BL= 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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