



WISCONSIN

Soybean Variety Performance Trials

2017

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



2017 Wisconsin Soybean Performance Trials

Shawn P. Conley, Adam C. Roth, John M. Gaska, and Damon L. Smith

Departments of Agronomy and Plant Pathology

University of Wisconsin, Madison

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, 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 average growing conditions across the state in 2017. Above normal precipitation in May coupled with cool

temperatures delayed soybean planting. This was followed by above normal precipitation patterns across most of the state through mid-July. Normal precipitation continued for northern WI; whereas southern Wisconsin received below normal precipitation for parts of July, August, and September. Average environmental growing conditions for most of 2017 led to a projected statewide average soybean yield of 46 bu/A, down 9.0 from 2016. Production is expected to be at 98 million bushels, down 9% from the previous record crop of 2016. Source: Nov 6 NASS report, www.nass.usda.gov

Growers experienced average temperatures in June and July in southern WI with below normal temperatures across central and northern WI. Below normal temperatures occurred statewide in August. From May 1st through September 1st, the crop had accumulated approximately 200 less GDU's (base 50° F) than the 30-year normal in southern WI, and 300 less 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 and into October. As of October 23rd, 64% of the WI soybean crop had been harvested, which is 4% less than this time last year and slightly behind the 5-year average. The Arlington, Hancock, and Chippewa Falls sites had light to moderate white mold pressure. The East Troy site

was abandoned due to off target herbicide movement and Platteville was abandoned due to severe crusting and poor emergence.

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 provid-

ing 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 10) 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 10 is based on information supplied by public breeders or companies that are releasing or marketing the variety.

White Mold (caused by *Sclerotinia sclerotiorum*)

The white mold fungus 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 issue in many fields across Wisconsin in 2017. 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.

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 2017, 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 non-defoliating pathotype that only causes internal stem symptoms. The non-defoliating pathotype may be becoming more prevalent, so be sure to cut soybean stems to identify symptoms if you notice plant that are unthrifty, stunted, or yellowing prematurely. 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 2017 than 2016. 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 followed by leaf drop. 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 resistance information is available on individual soybean varieties from locations where this disease was noted.

Soybean viruses and insects

Soybean aphids were localized again in 2017; whereas 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 2018. 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 *Alfalfa mosaic virus* (AMV), *Tobacco streak virus* (TSV), and *Tobacco ringspot virus* (TRSV) were also evident in numerous fields. For the fourth 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/](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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2017 Soybean Variety Trial Sites

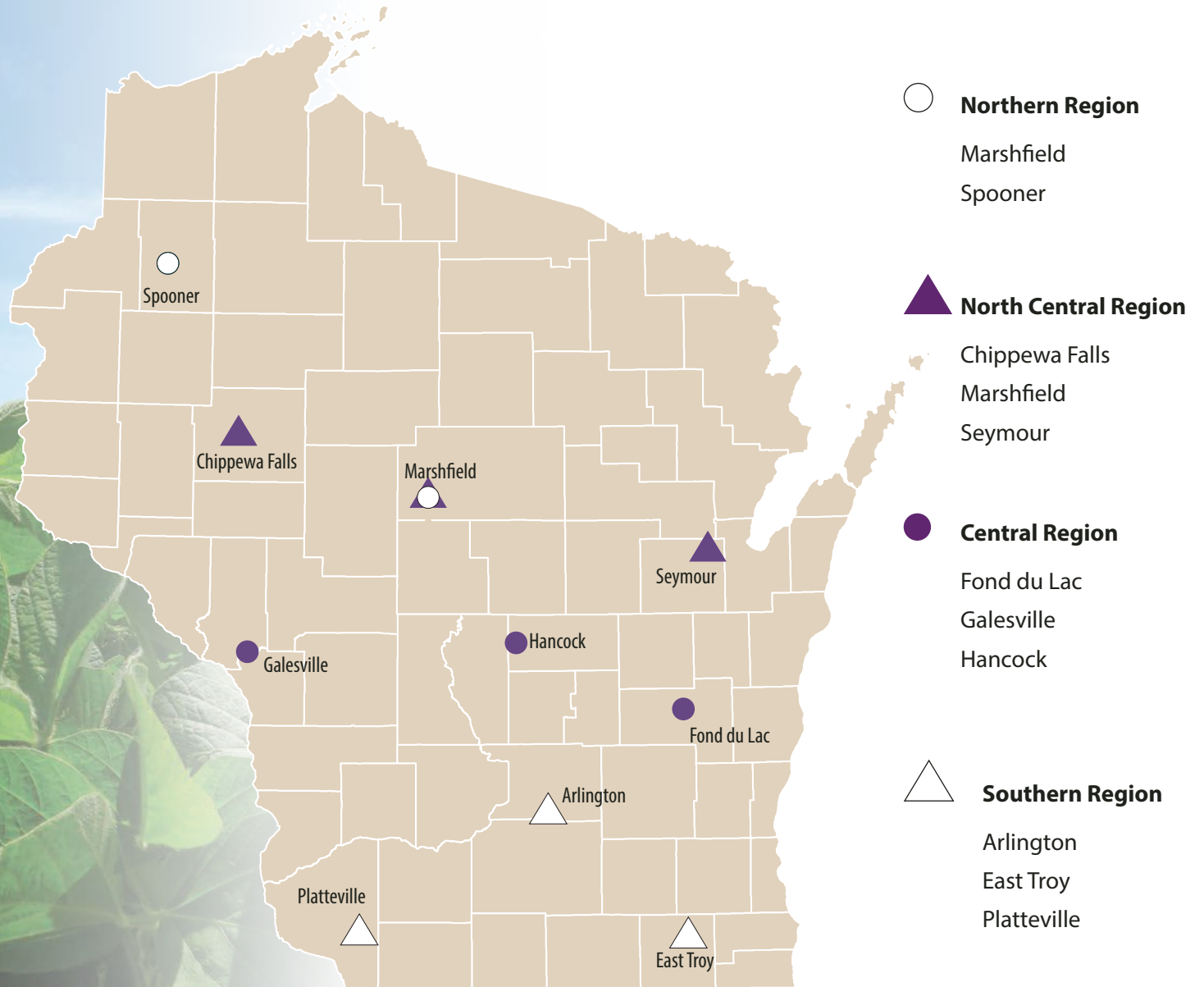


TABLE 1. General Information on the 2017 Soybean Trials

Location: Trial	Cooperators	Row Spacing (in.)	Soil Test Results					Pesticide Applications		Dates		Average Yield (bu/A)		
			Soil Texture	pH	OM (%)	P (ppm)	K (ppm)	Pre-emergent / Pre-plant	Post-emergent	Planting	Harvest	2017	2016	2016-17
Arlington: Glyphosate Tolerant	Mike Bertram	15	Silt Loam	7.0	3.6	67	163	Authority First, Medal II	--	8-May	5-Oct	70	81	76
Arlington: Conventional & Traited Herbicide	Mike Bertram	15	Silt Loam	7.0	3.6	67	163	Authority First, Medal II	--	8-May	2-Oct	74	72	73
Chippewa Falls: Glyphosate Tolerant	Rooney Farms, Jerry Clark	15	Sandy Loam	6.8	2.8	28	169	Authority First, Dual II Magnum	Raptor, Select Max, Warrant	8-May	11-Oct	67	78	73
Chippewa Falls: Conventional & Traited Herbicide	Rooney Farms, Jerry Clark	15	Sandy Loam	6.8	2.8	28	169	Authority First, Dual II Magnum	Raptor, Select Max, Warrant	8-May	11-Oct	63	70	67
East Troy: Glyphosate Tolerant	Matt Scurek	15	Silt Loam	5.7	3.4	82	166	Authority First, Dual II Magnum	Roundup PowerMAX, Select Max, Warrant	15-May	abandoned	--	--	--
Fond du Lac: Glyphosate Tolerant	Ed Montsma	15	Silt Loam	6.9	3.2	19	132	Authority First, Dual II Magnum	--	19-May	19-Oct	72	82	77
Galesville: Glyphosate Tolerant	Ken Congdon	15	Silt Loam	5.8	3.7	22	158	Authority First, Dual II Magnum	Roundup PowerMAX, Select Max, Warrant	8-May	10-Oct	66	86	76
Hancock: Glyphosate Tolerant	Paul Sytsma	15	Sand	5.6	0.6	97	52	Dual II Magnum	Roundup PowerMAX (2), Select Max	4-May	10-Oct	56	78	67
Marshfield: Glyphosate Tolerant (North Central)	Jason Cavadini	15	Silt Loam	6.9	3.6	79	139	First Rate, Parallel	Roundup PowerMAX	12-May	11-Oct	76	76	76
Marshfield: Glyphosate Tolerant (North)	Jason Cavadini	15	Silt Loam	6.9	3.6	79	139	First Rate, Parallel	Roundup PowerMAX	12-May	11-Oct	71	71	71
Platteville: Glyphosate Tolerant	Schweigert Family Farms	15	Silt Loam	6.1	3.3	45	136	Authority Max, Gramoxone, Sencor	Roundup PowerMAX, Warrant	26-May	abandoned	--	91	--
Platteville: Conventional & Traited Herbicide	Schweigert Family Farms	15	Silt Loam	6.1	3.3	45	136	Authority Max, Gramoxone, Sencor	Prefix, Select Max	26-May	abandoned	--	83	--
Seymour: Glyphosate Tolerant	Mike Maass, Kevin Jarek	15	Silt Loam	6.7	2.5	34	175	Authority First, Dual II Magnum	Roundup PowerMAX, Select Max, Warrant	12-May	3-Oct	74	65	70
Spooner: Glyphosate Tolerant (Dry Land)	Phil Holman	15	Silt Loam	6.3	2.0	21	95	--	Roundup PowerMAX (2), Dual II Magnum, Select Max	26-May	23-Oct	54	58	56
Spooner: Glyphosate Tolerant (Irrigated)	Phil Holman	15	Sandy Loam	5.5	1.5	40	106	--	Roundup PowerMAX, Pursuit	25-May	23-Oct	57	49	53

TABLE 2. 2017 Southern Region Glyphosate Tolerant Soybean Trial (1 of 4)

Brand	Entry	Maturity Group	Maturity Date ²	2017 Arlington ¹			2017 Composition ²		2016 2-Test Average ³		2016 Composition ²	
				Yield (bu/A)	WM ⁴ (%)	Lodging (1-5)	Protein (%)	Oil (%)	Yield (bu/A)	Lodging (1-5)	Protein (%)	Oil (%)
AgriGold	G1850RX	1.8	22-Sep	66	34	1.0	36.6	17.9	--	--	--	--
AgriGold	G2105RX	2.1	16-Sep	67	50	1.0	36.1	18.1	--	--	--	--
AgriGold	G2250RX	2.2	16-Sep	76	24	1.0	34.9	18.4	--	--	--	--
AgriGold	G2355RX	2.3	27-Sep	76	9	1.0	34.8	18.5	--	--	--	--
AgriGold	G2405RX	2.4	25-Sep	69	35	1.0	35.8	18.2	--	--	--	--
AgriGold	G2610RX	2.6	27-Sep	53	51	1.0	36.0	17.3	--	--	--	--
AgriGold	G2801RX	2.8	27-Sep	54	53	1.0	37.1	17.2	--	--	--	--
AgriGold	G2900RX	2.9	2-Oct	63	36	1.0	35.8	16.7	--	--	--	--
Asgrow	AG21X8	2.1	22-Sep	*82	23	1.0	36.1	17.0	--	--	--	--
Asgrow	AG23X8	2.3	25-Sep	*83	12	1.0	36.3	17.7	--	--	--	--
Asgrow	AG2636	2.6	27-Sep	61	35	1.0	35.1	17.5	86	1.0	34.9	18.8
Asgrow	AG26X8	2.6	27-Sep	76	21	1.0	35.2	18.4	--	--	--	--
Asgrow	AG2836	2.8	29-Sep	*90	1	1.0	37.4	17.0	*91	1.5	37.3	17.9
Beck's	2339X2	2.3	27-Sep	73	14	1.0	35.1	18.1	--	--	--	--
Beck's	2559X2	2.5	27-Sep	60	36	1.0	36.0	17.6	--	--	--	--
Beck's	2889X2	2.8	27-Sep	70	16	1.0	35.6	16.9	--	--	--	--
Cornelius	CB22R88	2.2	19-Sep	*83	4	1.0	34.7	18.7	--	--	--	--
Cornelius	CB22X73	2.2	22-Sep	62	48	1.0	35.1	18.3	--	--	--	--
Cornelius	CB23X45	2.3	27-Sep	72	16	1.0	36.4	16.6	84	1.4	36.7	18.5
Cornelius	CB24R82	2.4	25-Sep	74	13	1.0	35.4	18.5	*93	1.0	36.4	19.7
Cornelius	CB24X64	2.4	27-Sep	65	31	1.0	35.3	18.2	--	--	--	--
Cornelius	CB26X70	2.6	27-Sep	51	65	1.0	35.6	17.5	--	--	--	--
Cornelius	CB27X81	2.7	29-Sep	60	36	1.0	36.1	16.9	--	--	--	--
Cornelius	CB28X73	2.8	29-Sep	59	35	1.0	36.9	17.1	--	--	--	--
Dairyland	DSR-1526/R2Y	1.5	16-Sep	74	19	1.0	35.1	19.1	84	1.0	35.4	19.8
Dairyland	DSR-1721/R2Y	1.7	16-Sep	*90	5	1.0	35.3	18.1	87	2.2	36.2	19.7

TABLE 2. CONTINUED. 2017 Southern Region Glyphosate Tolerant Soybean Trial (2 of 4)

Brand	Entry	Maturity Group	Maturity Date ²	2017 Arlington ¹			2017 Composition ²		2016 2-Test Average ³		2016 Composition ²	
				Yield (bu/A)	WM ⁴ (%)	Lodging (1-5)	Protein (%)	Oil (%)	Yield (bu/A)	Lodging (1-5)	Protein (%)	Oil (%)
Dairyland	DSR-1870/R2Y	1.8	16-Sep	*88	13	1.0	35.8	18.4	85	1.5	35.6	19.7
Dairyland	DSR-1950/R2Y	1.9	18-Sep	77	17	1.0	34.5	18.3	--	--	--	--
Dairyland	DSR-2110/R2Y	2.1	22-Sep	*83	7	1.0	35.8	17.6	86	1.5	35.9	18.6
Dairyland	DSR-2330/R2Y	2.3	20-Sep	*82	3	1.0	34.5	19.0	*90	1.1	36.3	20.0
Dairyland	DSR-2616/R2Y	2.6	27-Sep	60	56	1.0	36.2	17.3	86	1.1	36.0	18.7
Dairyland	DSR-2909/R2Y	2.9	28-Sep	74	18	1.0	35.6	17.9	84	1.5	35.8	19.2
Dyna-Gro	S23XT78	2.3	18-Sep	*84	13	1.0	35.2	17.5	--	--	--	--
Dyna-Gro	S24RY87	2.4	20-Sep	*83	8	1.0	34.5	19.1	*92	1.0	36.1	20.0
Dyna-Gro	S26RY37	2.6	22-Sep	*80	7	1.0	35.8	18.0	87	1.3	35.4	19.5
Dyna-Gro	S28XT58	2.8	1-Oct	70	26	1.0	35.7	16.8	--	--	--	--
FS HiSOY	HS 18X70	1.8	16-Sep	70	39	1.0	36.5	18.1	--	--	--	--
FS HiSOY	HS 21X70	2.1	20-Sep	60	38	1.0	37.3	17.0	--	--	--	--
FS HiSOY	HS 22X70	2.2	22-Sep	69	35	1.0	35.0	18.3	--	--	--	--
FS HiSOY	HS 23X70	2.3	26-Sep	76	17	1.0	34.8	18.3	--	--	--	--
FS HiSOY	HS 24X70	2.4	27-Sep	67	34	1.0	35.8	18.4	--	--	--	--
FS HiSOY	HS 25X70	2.5	27-Sep	68	15	1.0	35.5	17.7	--	--	--	--
FS HiSOY	HS 27X60	2.7	27-Sep	58	36	1.0	35.9	17.8	89	1.1	36.0	18.6
FS HiSOY	HS 28X70	2.8	29-Sep	67	31	1.0	35.8	16.8	--	--	--	--
FS HiSOY	HS 29X70	2.9	2-Oct	59	30	1.0	37.0	16.6	--	--	--	--
Golden Harvest	GH2230X Brand	2.2	20-Sep	*85	3	1.0	35.2	18.4	--	--	--	--
Great Lakes Hybrids	GL2469R2	2.4	22-Sep	59	59	1.0	35.5	17.9	86	1.4	35.2	19.5
Great Lakes Hybrids	GL2551NR2	2.5	26-Sep	75	24	1.0	35.3	18.8	85	1.5	35.9	19.8
Great Lakes Hybrids	GL2673NRX	2.6	27-Sep	51	54	1.0	35.6	17.5	--	--	--	--
Great Lakes Hybrids	GL2870NRX	2.8	1-Oct	62	40	1.0	35.7	16.7	--	--	--	--
Jung	1243R2X	2.4	22-Sep	*80	13	1.0	35.3	18.2	--	--	--	--
Jung	1252R2X	2.5	29-Sep	69	17	1.0	36.6	16.4	--	--	--	--

TABLE 2. CONTINUED. 2017 Southern Region Glyphosate Tolerant Soybean Trial (3 of 4)

Brand	Entry	Maturity Group	Maturity Date ²	2017 Arlington ¹			2017 Composition ²		2016 2-Test Average ³		2016 Composition ²	
				Yield (bu/A)	WM ⁴ (%)	Lodging (1-5)	Protein (%)	Oil (%)	Yield (bu/A)	Lodging (1-5)	Protein (%)	Oil (%)
Jung	1283R2X	2.8	27-Sep	47	55	1.0	37.8	16.6	--	--	--	--
Legacy Seeds	LS-2338N RR2X	2.3	18-Sep	*81	2	1.0	35.0	18.9	--	--	--	--
Legacy Seeds	LS-2638N RR2X	2.6	27-Sep	63	37	1.0	35.3	18.0	--	--	--	--
Legend Seeds	LS 20R524N	2.0	18-Sep	*82	22	1.0	36.0	18.3	84	1.4	36.0	19.5
Legend Seeds	LS 23X632N	2.3	27-Sep	*85	6	1.0	35.9	17.0	--	--	--	--
Legend Seeds	LS 24R563N	2.4	27-Sep	77	13	1.0	35.8	18.0	87	1.0	36.6	18.7
Legend Seeds	LS 28X840N	2.8	29-Sep	71	28	1.0	35.5	17.0	--	--	--	--
LG Seeds	C2201RX	2.2	20-Sep	67	34	1.0	35.0	18.6	--	--	--	--
LG Seeds	C2441R2	2.4	20-Sep	66	41	1.0	35.6	18.1	*90	1.8	35.0	19.6
Munson	9228RR2X	2.2	2-Oct	77	29	1.0	35.4	17.1	--	--	--	--
Munson	8247R2Y	2.4	18-Sep	*82	4	1.0	34.5	19.1	*93	1.0	35.7	20.0
Munson	9258RR2X	2.5	25-Sep	68	30	1.0	35.8	17.6	--	--	--	--
Munson	9288RR2X	2.8	25-Sep	71	33	1.0	34.9	18.3	--	--	--	--
NK	S20-J5X Brand	2.0	20-Sep	*80	9	1.0	35.9	18.0	--	--	--	--
NK	S21-W8X Brand	2.1	20-Sep	*85	10	1.0	35.5	18.0	--	--	--	--
NK	S25-B6X Brand	2.5	25-Sep	78	12	1.0	34.7	18.3	--	--	--	--
NK	S27-M8X Brand	2.8	26-Sep	68	38	1.0	35.1	18.2	--	--	--	--
NuTech	7198	1.9	17-Sep	75	16	1.0	35.5	17.8	--	--	--	--
NuTech	7224	2.2	20-Sep	74	4	1.0	34.1	19.4	--	--	--	--
NuTech	7279	2.7	29-Sep	75	14	1.0	35.0	18.2	*95	1.3	35.2	19.5
O'Brien	O'SOY1900GT	1.9	20-Sep	64	24	1.0	36.6	17.8	--	--	--	--
O'Brien	O'SOY196NR2Y	1.9	2-Sep	78	9	1.0	35.7	17.7	84	1.0	36.2	18.4
O'Brien	O'SOY2500GT	2.5	22-Sep	59	45	1.0	37.0	17.3	--	--	--	--
Power Plus	20B7	2.0	20-Sep	*80	3	1.0	33.8	19.5	85	1.1	34.9	20.4
Power Plus	24F8	2.4	27-Sep	78	4	1.0	34.1	19.0	--	--	--	--
Power Plus	25G8	2.5	26-Sep	70	15	1.0	36.4	17.3	--	--	--	--

TABLE 2. CONTINUED. 2017 Southern Region Glyphosate Tolerant Soybean Trial (4 of 4)

Brand	Entry	Maturity Group	Maturity Date ²	2017 Arlington ¹			2017 Composition ²		2016 2-Test Average ³		2016 Composition ²	
				Yield (bu/A)	WM ⁴ (%)	Lodging (1-5)	Protein (%)	Oil (%)	Yield (bu/A)	Lodging (1-5)	Protein (%)	Oil (%)
Power Plus	28Q8	2.8	29-Sep	72	26	1.0	35.2	17.8	--	--	--	--
Renk	RS241R2	2.4	22-Sep	67	29	1.0	35.3	18.0	--	--	--	--
Renk	RS248NX	2.4	26-Sep	72	36	1.0	35.4	18.3	--	--	--	--
Renk	RS268NX	2.6	27-Sep	47	54	1.0	36.6	17.7	--	--	--	--
Renk	RS288NX	2.8	1-Oct	69	34	1.0	35.8	16.8	--	--	--	--
Titan Pro	TP-16X77	1.6	16-Sep	*86	9	1.0	34.5	19.0	--	--	--	--
Titan Pro	TP-18X97	1.8	19-Sep	62	44	1.0	36.2	18.0	--	--	--	--
Titan Pro	TP-20X57	2.0	22-Sep	62	50	1.0	37.6	16.8	--	--	--	--
Titan Pro	TP-24R26	2.4	24-Sep	*83	7	1.0	35.3	18.9	*90	1.4	35.9	19.9
Titan Pro	TP-26X37	2.6	25-Sep	67	25	1.0	35.6	18.1	--	--	--	--
Titan Pro	TP-28X47	2.8	2-Oct	72	32	1.0	35.6	16.8	--	--	--	--
Tracy	2308GT	2.3	22-Sep	72	5	1.0	35.6	19.0	--	--	--	--
Tracy	2708GT	2.7	29-Sep	59	31	1.0	35.9	17.5	--	--	--	--
Tracy	2808GT	2.8	27-Sep	53	19	1.0	35.3	18.4	--	--	--	--
Mean			23-Sep	71	25	1.0	35.6	17.9	86	1.5	35.8	19.2
LSD (0.10)			--	11	22	NS	0.6	0.3	7	0.7	0.6	0.3

* 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 off target herbicide movement and Platteville was abandoned due to severe crusting and poor emergence.

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

³ 2016 2-test average includes Arlington and Platteville. The East Troy site was abandoned due to severe drought.

⁴ WM = White mold expressed as percent of diseased plants.

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

TABLE 3. 2017 Central Region Glyphosate Tolerant Soybean Trial (1 of 4)

Brand	Entry	Maturity Group	Maturity Date ¹	2017 3-Test Average		2017 Yields				2017 Composition ¹		2016 3-Test Average		2016 Composition	
				Yield (bu/A)	Lodging (1-5)	Fond du Lac (bu/A)	Galesville (bu/A)	----- Hancock ----- (bu/A)	WM ² %	Protein (%)	Oil (%)	Yield (bu/A)	Lodging (1-5)	Protein (%)	Oil (%)
AgriGold	G1810RX	1.8	18-Sep	62	1.0	66	63	56	22	34.0	19.1	--	--	--	--
AgriGold	G1850RX	1.8	22-Sep	*65	1.0	72	66	58	44	36.1	18.9	--	--	--	--
AgriGold	G2105RX	2.1	22-Sep	*68	1.1	*82	65	56	76	35.6	18.6	--	--	--	--
AgriGold	G2250RX	2.2	25-Sep	*68	1.0	72	*71	*60	35	34.6	19.2	--	--	--	--
AgriGold	G2355RX	2.3	25-Sep	*68	1.0	75	*71	57	45	32.9	19.6	--	--	--	--
Asgrow	AG14X8	1.4	18-Sep	*69	1.3	71	*72	*62	48	33.0	19.6	--	--	--	--
Asgrow	AG1636	1.6	18-Sep	*65	1.1	*76	66	51	65	34.6	18.9	*86	1.7	34.9	20.2
Asgrow	AG19X8	1.9	22-Sep	*67	1.0	69	*73	*60	30	34.1	19.3	--	--	--	--
Asgrow	AG21X7	2.1	25-Sep	*68	1.3	*76	62	*65	36	34.8	18.3	--	--	--	--
Asgrow	AG21X8	2.1	25-Sep	*64	1.0	75	66	53	40	35.8	17.6	--	--	--	--
BioGene	BG8210RR2X	2.1	22-Sep	*64	1.1	*78	62	52	80	35.2	18.7	80	1.8	35.4	20.3
Dairyland	DSR-1120/R2Y	1.1	18-Sep	*69	1.0	73	*69	*65	19	34.1	19.2	77	1.8	34.2	21.0
Dairyland	DSR-1313/R2Y	1.3	18-Sep	*67	1.0	73	*69	*60	54	34.3	19.0	81	1.7	34.8	20.3
Dairyland	DSR-1475/R2Y	1.4	18-Sep	*66	1.0	74	*69	57	53	34.2	18.8	--	--	--	--
Dairyland	DSR-1526/R2Y	1.5	22-Sep	*66	1.2	*77	67	55	40	33.7	19.3	82	1.8	34.5	20.8
Dairyland	DSR-1721/R2Y	1.7	22-Sep	*70	1.0	71	*74	*67	24	33.9	19.1	*84	1.7	34.9	20.6
Dairyland	DSR-1870/R2Y	1.8	18-Sep	*66	1.0	73	63	*62	15	34.1	19.2	81	1.7	34.6	20.8
Dairyland	DSR-1950/R2Y	1.9	18-Sep	*71	1.0	*77	*73	*63	38	33.6	18.9	--	--	--	--
Dairyland	DSR-2110/R2Y	2.1	22-Sep	58	1.0	57	61	54	13	33.8	19.2	81	1.7	36.0	19.5
Dairyland	DSR-2330/R2Y	2.3	25-Sep	*66	1.0	71	*70	58	48	33.9	19.7	*84	1.7	35.3	20.3
Dyna-Gro	S17RY67	1.7	18-Sep	*69	1.0	72	*69	*65	28	34.9	18.9	--	--	--	--

TABLE 3. CONTINUED. 2017 Central Region Glyphosate Tolerant Soybean Trial (2 of 4)

Brand	Entry	Maturity Group	Maturity Date ¹	2017 3-Test Average		2017 Yields				2017 Composition ¹		2016 3-Test Average		2016 Composition	
				Yield (bu/A)	Lodging (1-5)	Fond du Lac (bu/A)	Galesville (bu/A)	----- Hancock ----- (bu/A)	WM ² %	Protein (%)	Oil (%)	Yield (bu/A)	Lodging (1-5)	Protein (%)	Oil (%)
Dyna-Gro	S18XT38	1.8	22-Sep	60	1.0	67	61	50	64	35.7	18.8	--	--	--	--
Dyna-Gro	S20XT48	2.0	25-Sep	62	1.0	73	61	53	50	37.1	17.4	--	--	--	--
Dyna-Gro	S23RY85	2.3	22-Sep	*67	1.0	*76	68	58	53	34.9	18.7	82	1.7	34.7	20.3
Dyna-Gro	S23XT78	2.3	29-Sep	62	1.0	74	63	50	53	35.7	17.6	--	--	--	--
FS HiSOY	HS 18X70	1.8	22-Sep	*64	1.0	71	64	58	43	35.1	19.2	--	--	--	--
FS HiSOY	HS 21X70	2.1	25-Sep	*65	1.0	*78	66	51	60	36.4	17.8	--	--	--	--
FS HiSOY	HS 22X70	2.2	25-Sep	*64	1.0	72	67	54	48	34.2	19.4	--	--	--	--
FS HiSOY	HS 23X70	2.3	25-Sep	*66	1.0	75	*70	53	30	32.3	19.7	--	--	--	--
FS HiSOY	HS 24X70	2.4	29-Sep	59	1.0	64	62	52	45	34.8	18.8	--	--	--	--
Golden Harvest	GH1915X Brand	1.9	22-Sep	*70	1.0	*79	*69	*64	18	33.3	19.4	--	--	--	--
Golden Harvest	GH2230X Brand	2.2	29-Sep	*65	1.0	74	62	*60	20	33.7	19.5	--	--	--	--
Great Lakes Hybrids	GL1865NR2	1.8	18-Sep	61	1.0	67	60	55	20	34.5	19.1	*87	1.8	34.9	20.4
Great Lakes Hybrids	GL2039R2	2.0	22-Sep	*68	1.0	*76	64	*62	38	35.9	18.7	*84	1.7	35.3	20.4
Great Lakes Hybrids	GL2063NRX	2.0	22-Sep	*66	1.2	*77	68	52	60	34.9	19.0	81	1.8	35.6	20.2
Great Lakes Hybrids	GL2269NR2	2.2	22-Sep	*67	1.0	75	68	*60	9	34.2	18.9	*85	1.7	34.3	20.1
Great Lakes Hybrids	GL2372NRX	2.3	22-Sep	*67	1.0	*76	67	56	40	34.7	18.4	--	--	--	--
Great Lakes Hybrids	GL2469R2	2.4	22-Sep	60	1.0	64	59	56	43	34.1	19.3	--	--	--	--
Jung	1202R2X	2.0	22-Sep	63	1.0	*78	64	48	79	34.5	19.2	--	--	--	--
Jung	1212R2X	2.1	22-Sep	62	1.0	74	*70	42	95	37.4	17.7	--	--	--	--
Jung	1223R2X	2.2	22-Sep	62	1.0	64	64	56	28	34.0	18.5	--	--	--	--
Legacy Seeds	LS-1338N RR2X	1.3	18-Sep	60	1.0	61	62	56	21	32.8	19.1	--	--	--	--

TABLE 3. CONTINUED. 2017 Central Region Glyphosate Tolerant Soybean Trial (3 of 4)

Brand	Entry	Maturity Group	Maturity Date ¹	2017 3-Test Average		2017 Yields				2017 Composition ¹		2016 3-Test Average		2016 Composition	
				Yield (bu/A)	Lodging (1-5)	Fond du Lac (bu/A)	Galesville (bu/A)	----- Hancock ----- (bu/A) WM ² %		Protein (%)	Oil (%)	Yield (bu/A)	Lodging (1-5)	Protein (%)	Oil (%)
Legacy Seeds	LS-1638N RR2X	1.6	18-Sep	*67	1.0	75	*69	55	24	33.7	19.3	--	--	--	--
Legacy Seeds	LS-1838N RR2X	1.8	22-Sep	62	1.0	68	63	56	41	34.9	19.3	--	--	--	--
Legacy Seeds	LS-2037N RR2X	2.0	22-Sep	61	1.1	*77	60	49	71	34.8	18.9	--	--	--	--
Legacy Seeds	LS-2338N RR2X	2.3	25-Sep	*67	1.0	*78	68	53	49	34.5	19.1	--	--	--	--
Legend Seeds	LS 15X860N	1.5	22-Sep	*67	1.0	75	64	*61	16	33.9	19.3	--	--	--	--
Legend Seeds	LS 20R524N	2.0	18-Sep	*64	1.0	67	65	*61	23	35.1	18.9	82	1.8	35.1	20.4
Legend Seeds	LS 20X746N	2.0	22-Sep	61	1.0	72	66	44	76	36.7	17.7	--	--	--	--
Legend Seeds	LS 23X632N	2.3	25-Sep	*67	1.0	71	67	*62	13	35.4	17.3	--	--	--	--
LG Seeds	C1870R2	1.8	18-Sep	*67	1.1	*76	*70	54	54	33.5	18.9	*86	1.7	34.7	20.1
LG Seeds	C2201RX	2.2	29-Sep	*66	1.0	*78	66	55	70	35.1	19.1	--	--	--	--
NK	S14-A6 Brand	1.4	18-Sep	*66	1.0	71	*75	51	60	35.5	18.6	*85	1.7	35.2	20.1
NK	S18-G4X Brand	1.8	22-Sep	*64	1.0	*78	*71	44	91	35.4	18.3	--	--	--	--
NK	S20-J5X Brand	2.0	22-Sep	*64	1.0	71	62	*60	38	35.6	18.3	--	--	--	--
NK	S21-W8X Brand	2.1	25-Sep	*64	1.1	73	61	58	68	35.6	18.5	--	--	--	--
NuTech	7172R2	1.7	25-Sep	*65	1.3	62	*76	58	29	33.7	19.4	80	2.4	35.0	20.6
NuTech	7198	1.9	25-Sep	*67	1.0	68	*71	*61	28	35.5	18.1	--	--	--	--
NuTech	7224	2.2	29-Sep	62	1.0	60	*69	57	15	35.0	19.2	--	--	--	--
O'Brien	O'SOY173R2Y	1.7	22-Sep	*65	1.1	62	*72	*61	18	33.2	19.0	81	1.7	34.8	20.1
O'Brien	O'SOY1900GT	1.9	25-Sep	53	1.0	61	55	44	33	34.9	18.6	--	--	--	--
O'Brien	O'SOY196NR2Y	1.9	22-Sep	62	1.0	64	59	*61	16	34.1	19.0	81	1.8	35.6	19.5
ProHarvest	1703CX	1.7	22-Sep	59	1.7	71	53	55	61	35.8	18.0	--	--	--	--

TABLE 3. CONTINUED. 2017 Central Region Glyphosate Tolerant Soybean Trial (4 of 4)

Brand	Entry	Maturity Group	Maturity Date ¹	2017 3-Test Average		2017 Yields				2017 Composition ¹		2016 3-Test Average		2016 Composition	
				Yield (bu/A)	Lodging (1-5)	Fond du Lac (bu/A)	Galesville (bu/A)	----- Hancock ----- (bu/A)	WM ² %	Protein (%)	Oil (%)	Yield (bu/A)	Lodging (1-5)	Protein (%)	Oil (%)
ProHarvest	1863CR2Y	1.8	18-Sep	*68	1.0	73	67	*64	38	35.2	18.8	83	1.8	34.6	20.7
ProHarvest	2084CR2Y	2.0	22-Sep	63	1.0	69	64	56	63	35.5	18.8	81	1.7	35.7	20.2
ProHarvest	2116CX	2.1	22-Sep	*64	1.3	*79	63	49	66	33.9	19.4	--	--	--	--
Renk	RS207NX	2.0	22-Sep	*64	1.2	72	67	54	38	34.0	19.4	--	--	--	--
Renk	RS208NX	2.0	25-Sep	63	1.1	*76	65	50	50	36.8	17.6	--	--	--	--
Renk	RS213NR2	2.1	22-Sep	62	1.0	66	61	*60	49	33.6	19.5	83	1.8	35.7	20.1
Renk	RS228NX	2.2	29-Sep	*64	1.0	70	*69	53	43	34.3	19.2	--	--	--	--
Stine	19BA23	1.9	25-Sep	*64	1.0	74	67	51	43	33.0	19.9	--	--	--	--
Stine	19RF32	1.9	18-Sep	*66	1.0	68	*69	*60	14	32.7	18.9	*87	1.7	34.5	20.2
Stine	21RI32	2.1	25-Sep	*66	1.0	66	*73	*59	43	34.2	19.1	--	--	--	--
Tracy	19X8GT	1.9	25-Sep	62	1.0	74	65	46	51	36.1	18.6	--	--	--	--
Tracy	2008GT	2.0	29-Sep	*64	1.1	69	*70	52	24	35.3	19.2	--	--	--	--
Tracy	2308GT	2.3	29-Sep	57	1.0	62	66	43	9	33.4	20.1	--	--	--	--
Mean			22-Sep	64	1.0	72	66	56	42	34.6	18.9	82	1.8	35.1	20.2
LSD (0.10)			--	7	NS	6	7	8	28	1.2	0.6	5	0.3	0.6	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.

² WM = White mold expressed as percent of diseased plants.

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

TABLE 4. 2017 North Central Region Glyphosate Tolerant Soybean Trial (1 of 4)

Brand	Entry	Maturity Group	Maturity Date ¹	2017 3-Test Average		2017 Yields				2017 Composition ¹		2016 3-Test Average		2016 Composition ¹	
				Yield (bu/A)	Lodging (1-5)	Chippewa (bu/A)	Falls WM ² %	Marshfield (bu/A)	Seymour (bu/A)	Protein (%)	Oil (%)	Yield (bu/A)	Lodging (1-5)	Protein (%)	Oil (%)
Asgrow	AG0934	0.9	18-Sep	71	1.0	69	19	70	74	34.8	18.1	70	1.0	0.7	35.5
Asgrow	AG11X8	1.1	25-Sep	*77	1.0	67	29	*82	*82	34.6	17.7	--	--	--	--
Asgrow	AG14X8	1.4	25-Sep	73	1.0	*71	11	70	76	34.2	18.7	--	--	--	--
BioGene	BG7141R2Y	1.4	25-Sep	74	1.0	67	25	*81	76	34.5	18.4	*81	1.2	0.4	35.4
BioGene	BG7151R2Y	1.5	25-Sep	72	1.0	65	23	74	*78	34.6	18.7	*78	1.3	1.3	34.9
Dairyland	DSR-0711/R2Y	0.7	18-Sep	69	1.0	65	4	73	67	34.0	18.5	65	1.2	5.6	34.1
Dairyland	DSR-0807/R2Y	0.8	18-Sep	70	1.1	68	9	70	71	36.1	17.3	69	1.0	1.1	36.1
Dairyland	DSR-0988/R2Y	0.9	21-Sep	*77	1.0	*71	18	*79	*82	33.8	18.0	71	1.5	0.8	34.4
Dairyland	DSR-1120/R2Y	1.1	25-Sep	*75	1.0	*73	6	*81	72	33.9	18.8	71	1.8	3.9	33.9
Dairyland	DSR-1313/R2Y	1.3	25-Sep	73	1.0	66	31	*79	73	34.7	18.4	*75	1.4	6.0	35.5
Dairyland	DSR-1475/R2Y	1.4	25-Sep	*75	1.0	67	39	*82	76	34.8	17.7	--	--	--	--
Dairyland	DSR-1526/R2Y	1.5	25-Sep	71	1.0	66	19	73	75	34.3	18.8	*78	1.0	4.2	35.0
Dairyland	DSR-1721/R2Y	1.7	25-Sep	*80	1.0	*75	10	*81	*82	33.9	18.2	66	1.2	70.6	34.8
Dairyland	DSR-1870/R2Y	1.8	25-Sep	71	1.0	67	16	74	73	34.6	18.3	--	--	--	--
Dyna-Gro	S12XT07	1.2	25-Sep	68	1.0	64	25	70	70	34.3	18.3	--	--	--	--
Dyna-Gro	S16XT58	1.6	25-Sep	73	1.2	68	16	75	76	33.8	18.5	--	--	--	--
Dyna-Gro	S17RY67	1.7	25-Sep	73	1.0	68	18	76	*77	34.4	18.5	--	--	--	--
Federal Hybrids	F087NRR2Y	0.8	18-Sep	74	1.0	*71	15	76	75	33.7	18.1	71	1.2	1.1	34.6
Federal Hybrids	F106NRR2Y	1.0	21-Sep	72	1.2	68	14	77	73	34.1	18.0	71	1.3	13.1	34.6
Federal Hybrids	F115NRR2Y	1.1	25-Sep	71	1.2	65	16	77	71	34.5	18.5	72	3.2	1.1	35.1
Federal Hybrids	F1180NR2X	1.1	25-Sep	70	1.0	65	20	73	71	34.4	18.4	--	--	--	--
Federal Hybrids	F147NRR2Y	1.4	25-Sep	74	1.0	67	21	*78	*78	34.6	18.4	*78	1.8	2.9	34.9

TABLE 4. CONTINUED. 2017 North Central Region Glyphosate Tolerant Soybean Trial (2 of 4)

Brand	Entry	Maturity Group	Maturity Date ¹	2017 3-Test Average		2017 Yields				2017 Composition ¹		2016 3-Test Average		2016 Composition ¹	
				Yield (bu/A)	Lodging (1-5)	Chippewa (bu/A)	Falls WM ² %	Marshfield (bu/A)	Seymour (bu/A)	Protein (%)	Oil (%)	Yield (bu/A)	Lodging (1-5)	Protein (%)	Oil (%)
Federal Hybrids	F154NRR2Y	1.5	25-Sep	74	1.0	64	23	76	*81	34.0	18.8	*77	1.0	15.0	34.8
Federal Hybrids	F1685NR2X	1.6	25-Sep	72	1.0	66	8	77	73	34.4	18.5	--	--	--	--
Federal Hybrids	F185NRR2Y	1.8	29-Sep	67	1.0	61	43	73	68	33.6	18.7	68	1.3	31.7	34.1
Federal Hybrids	F1880NR2X	1.8	1-Oct	70	1.0	63	22	*80	69	34.9	18.2	--	--	--	--
FS HiSOY	HS 18X70	1.8	1-Oct	71	1.0	67	9	76	69	35.3	18.2	--	--	--	--
Great Lakes Hybrids	GL0950NR2	0.9	18-Sep	71	1.2	69	16	71	72	34.2	17.8	71	1.3	7.2	35.1
Great Lakes Hybrids	GL1170NRX	1.1	25-Sep	68	1.0	59	30	*78	68	34.8	18.1	--	--	--	--
Great Lakes Hybrids	GL1367NR2	1.3	25-Sep	73	1.0	66	25	*80	74	34.8	18.3	*75	1.7	1.8	35.5
Great Lakes Hybrids	GL1675NRX	1.6	25-Sep	72	1.0	67	17	72	*77	33.6	18.4	--	--	--	--
Great Lakes Hybrids	GL1865NR2	1.8	29-Sep	74	1.0	*71	10	75	*78	34.6	18.4	*78	1.5	6.9	35.1
Jung	1122R2X	1.2	21-Sep	71	1.0	66	30	76	72	34.7	18.0	71	1.2	6.7	35.5
Jung	1172R2X	1.7	1-Oct	73	1.0	69	14	73	76	35.7	17.9	*75	1.2	6.8	35.7
Jung	1182R2X	1.8	29-Sep	74	1.0	69	9	*78	76	33.8	18.5	--	--	--	--
Legacy Seeds	LS-1138N RR2X	1.1	25-Sep	71	1.0	66	20	74	72	33.8	18.2	--	--	--	--
Legacy Seeds	LS-1338N RR2X	1.3	25-Sep	67	1.0	61	24	69	70	33.9	18.2	--	--	--	--
Legacy Seeds	LS-1638N RR2X	1.6	25-Sep	73	1.2	66	29	*79	74	33.6	18.5	--	--	--	--
Legacy Seeds	LS-1838N RR2X	1.8	29-Sep	69	1.0	63	30	*78	68	34.7	18.3	--	--	--	--
Legacy Seeds	LS-2037N RR2X	2.0	25-Sep	*75	1.2	64	23	*83	*78	34.2	18.7	--	--	--	--
Legend Seeds	LS 11R760N	1.1	25-Sep	71	1.0	*70	20	71	74	35.9	17.3	70	1.0	36.7	35.2
Legend Seeds	LS 12R24N	1.2	21-Sep	67	1.0	61	19	73	68	35.6	17.9	--	--	--	--
Legend Seeds	LS 14R22N	1.4	25-Sep	74	1.0	65	30	*78	*78	34.3	18.9	*78	1.3	1.8	34.7
Legend Seeds	LS 15X860N	1.5	29-Sep	70	1.1	63	28	77	71	34.5	18.5	--	--	--	--

TABLE 4. CONTINUED. 2017 North Central Region Glyphosate Tolerant Soybean Trial (3 of 4)

Brand	Entry	Maturity Group	Maturity Date ¹	2017 3-Test Average		2017 Yields				2017 Composition ¹		2016 3-Test Average		2016 Composition ¹	
				Yield (bu/A)	Lodging (1-5)	Chippewa (bu/A)	Falls WM ² %	Marshfield (bu/A)	Seymour (bu/A)	Protein (%)	Oil (%)	Yield (bu/A)	Lodging (1-5)	Protein (%)	Oil (%)
LG Seeds	C1414RX	1.4	25-Sep	74	1.0	66	15	*79	76	34.2	18.2	--	--	--	--
LG Seeds	C1870R2	1.8	1-Oct	74	1.0	*71	27	75	76	34.5	17.9	--	--	--	--
Munson	8146R2Y	1.4	25-Sep	*75	1.0	69	21	*78	*78	34.7	18.5	*77	1.2	1.7	35.3
Munson	8153R2Y	1.5	25-Sep	73	1.0	68	13	*78	74	34.4	18.7	*78	1.0	3.6	34.7
Munson	9158RR2X	1.5	1-Oct	74	1.0	*70	13	75	*78	34.5	18.4	--	--	--	--
Munson	8196R2Y	1.9	1-Oct	74	1.0	66	31	*80	75	34.5	18.0	*83	1.2	7.9	35.0
NK	S12-R3 Brand	1.2	21-Sep	72	1.0	68	21	75	75	34.8	18.3	*75	1.0	4.3	35.3
NK	S14-A6 Brand	1.4	25-Sep	73	1.0	*71	3	66	*81	34.8	18.5	72	1.0	13.6	35.5
NuTech	6097R2	0.9	18-Sep	69	1.3	67	1	65	75	32.0	20.0	--	--	--	--
NuTech	7109	1.0	25-Sep	70	1.0	65	16	73	72	34.2	18.4	--	--	--	--
NuTech	7172R2	1.7	1-Oct	70	1.0	65	30	73	73	34.3	18.3	72	1.3	1.0	34.7
O'Brien	O'SOY173R2Y	1.7	1-Oct	71	1.0	*72	3	71	70	34.3	18.2	--	--	--	--
ProHarvest	1484CR2Y	1.4	25-Sep	70	1.0	64	31	77	70	35.5	17.8	73	1.0	7.8	36.3
ProHarvest	1563CR2Y	1.5	25-Sep	72	1.0	69	22	75	71	34.8	18.3	*77	1.3	4.9	35.0
ProHarvest	1627X	1.6	25-Sep	74	1.0	68	14	*80	75	34.5	18.5	--	--	--	--
ProHarvest	1863CR2Y	1.8	29-Sep	71	1.0	66	24	71	76	34.5	18.4	*77	1.1	6.9	34.6
ProHarvest	EX17201	2.0	29-Sep	69	1.0	60	23	76	71	36.7	16.9	--	--	--	--
Renk	RS168NX	1.6	25-Sep	73	1.0	68	10	74	*77	33.6	18.4	--	--	--	--
Renk	RS175NR2	1.7	1-Oct	74	1.0	*70	13	*80	74	34.3	18.0	66	1.2	67.2	34.5
Renk	RS188NX	1.8	1-Oct	69	1.0	63	11	74	71	35.0	18.3	--	--	--	--
Steyer	WXP1007R2	1.0	21-Sep	67	1.1	64	15	69	68	34.3	18.6	--	--	--	--
Steyer	WXP1707R2	1.7	29-Sep	74	1.0	*71	5	*78	72	34.2	18.1	--	--	--	--
Steyer	WXP1807R2	1.8	29-Sep	68	1.0	65	12	71	68	35.3	18.4	--	--	--	--

TABLE 4. CONTINUED. 2017 North Central Region Glyphosate Tolerant Soybean Trial (4 of 4)

Brand	Entry	Maturity Group	Maturity Date ¹	2017 3-Test Average		2017 Yields				2017 Composition ¹		2016 3-Test Average		2016 Composition ¹	
				Yield (bu/A)	Lodging (1-5)	Chippewa (bu/A)	Falls WM ² %	Marshfield (bu/A)	Seymour (bu/A)	Protein (%)	Oil (%)	Yield (bu/A)	Lodging (1-5)	Protein (%)	Oil (%)
Steyer	WXP1907R2	1.9	1-Oct	74	1.1	62	41	*81	*77	33.8	18.9	--	--	--	--
Stine	14RD62	1.4	25-Sep	72	1.0	64	21	76	76	34.3	18.7	*79	1.0	3.6	34.8
Stine	15BA30	1.5	25-Sep	*77	1.0	*70	11	*84	*78	35.0	17.7	--	--	--	--
Stine	19RF32	1.9	1-Oct	*77	1.0	*70	15	*84	*77	34.2	17.9	74	1.0	31.4	34.7
Stine	21RI32	2.1	29-Sep	73	1.0	65	21	*78	76	34.0	18.3	--	--	--	--
			25-Sep	72	1.0	67	19	76	74	34.4	18.3	73	1.3	35.0	19.3
			LSD (0.10)	5	NS	5	16	6	5	0.4	0.2	8	0.6	0.5	0.3

* 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 WM = White mold expressed as percent of diseased plants.

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

TABLE 5. 2017 Northern Region Glyphosate Tolerant Soybean Trial (1 of 2)

Brand	Entry	Maturity Group	2017 3-Test Average			2017 Yields			2017 Composition ¹		2016 3-Test Average		2016 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	AG08X8	0.8	4-Oct	*63	1.0	74	*57	57	34.8	18.1	--	--	--	--
Asgrow	AG0934	0.9	1-Oct	59	1.0	65	54	57	35.5	17.9	*61	1.0	35.4	19.2
Asgrow	AG11X8	1.1	5-Oct	*66	1.0	*84	*58	58	35.1	17.8	--	--	--	--
BioGene	BG7110R2Y	1.1	11-Oct	*63	1.0	75	*56	*59	35.1	18.3	58	2.3	35.7	19.1
Dairyland	DSR-0711/R2Y	0.7	30-Sep	*62	1.0	72	55	*59	34.0	18.6	58	1.0	33.9	19.9
Dairyland	DSR-0807/R2Y	0.8	29-Sep	59	1.0	72	52	54	36.5	16.9	55	1.1	36.1	18.6
Dairyland	DSR-0988/R2Y	0.9	6-Oct	*62	1.0	70	*57	*59	34.1	17.8	*61	1.0	34.3	19.0
Federal Hybrids	F067NRR2Y	0.6	26-Sep	58	1.0	73	47	54	36.5	17.2	--	--	--	--
Federal Hybrids	F087NRR2Y	0.8	6-Oct	*64	1.0	73	*60	58	33.8	18.0	*59	1.1	34.2	19.1
Federal Hybrids	F106NRR2Y	1.0	4-Oct	59	1.0	68	52	58	34.3	17.8	*65	1.1	35.1	19.2
Federal Hybrids	F1180NR2X	1.1	7-Oct	*61	1.0	73	53	58	34.9	18.1	--	--	--	--
Great Lakes Hybrids	GL0779NRX	0.7	2-Oct	56	1.0	63	49	56	34.1	18.0	--	--	--	--
Great Lakes Hybrids	GL0950NR2	0.9	5-Oct	60	1.0	66	*57	57	34.4	17.8	58	1.1	34.7	19.0
Great Lakes Hybrids	GL1170NRX	1.1	8-Oct	*62	1.0	73	55	57	35.0	18.0	--	--	--	--
Jung	1062R2X	0.6	30-Sep	55	1.0	65	50	50	34.9	18.4	--	--	--	--
Jung	1090RR2	0.9	6-Oct	59	1.0	65	*57	55	34.1	18.5	58	1.4	34.3	19.4
Jung	1102R2X	1.0	3-Oct	58	1.0	66	54	53	35.2	17.7	58	1.1	35.3	18.7
Legacy Seeds	LS-0738N RR2X	0.7	30-Sep	*62	1.0	72	*57	56	34.6	18.1	--	--	--	--
Legacy Seeds	LS-1138N RR2X	1.1	8-Oct	*62	1.0	75	52	57	33.7	18.3	--	--	--	--
Legacy Seeds	LS-1338N RR2X	1.3	9-Oct	60	1.0	*78	49	53	33.8	18.2	--	--	--	--
Munson	8058R2Y	0.5	25-Sep	56	1.0	63	50	54	36.7	17.8	--	--	--	--
Munson	8087R2Y	0.8	7-Oct	*65	1.0	*79	*57	58	34.1	17.9	--	--	--	--
Munson	8107R2Y	1.0	4-Oct	58	1.0	68	51	55	35.6	17.5	--	--	--	--

TABLE 5. CONTINUED. 2017 Northern Region Glyphosate Tolerant Soybean Trial (2 of 2)

Brand	Entry	Maturity Group	2017 3-Test Average			2017 Yields			2017 Composition ¹		2016 3-Test Average		2016 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 (%)
Munson	8128R2Y	1.2	11-Oct	*66	1.0	*80	55	*63	35.0	18.4	--	--	--	--
NK	S10-H7X Brand	1.0	7-Oct	*64	1.0	77	55	*59	35.2	17.6	--	--	--	--
NuTech	6097R2	0.9	27-Sep	55	1.0	58	51	57	32.3	20.2	58	1.1	32.1	21.3
NuTech	7109	1.0	8-Oct	*62	1.0	67	*57	*60	34.4	18.2	--	--	--	--
ProHarvest	1171R2Y	1.1	6-Oct	59	1.0	68	*56	54	36.2	16.8	*65	1.0	36.2	18.0
ProHarvest	1484CR2Y	1.4	11-Oct	*66	1.0	*79	*58	*59	35.8	17.7	*62	1.2	36.6	18.8
ProHarvest	ER17141	1.4	10-Oct	*63	1.0	74	*58	58	34.3	18.0	--	--	--	--
ProHarvest	1563CR2Y	1.5	8-Oct	*63	1.0	74	*56	*60	35.1	18.4	*64	1.3	35.1	19.0
Public	ND 17009GT	00.9	22-Sep	43	1.0	52	34	42	36.2	18.3	--	--	--	--
Renk	RS058NX	0.5	30-Sep	54	1.0	59	49	54	35.1	18.4	--	--	--	--
Renk	RS078NX	0.7	2-Oct	60	1.0	68	53	*59	34.7	17.8	--	--	--	--
Renk	RS096NR2	0.9	3-Oct	*63	1.0	73	55	*60	34.5	18.0	*63	1.2	34.9	18.9
Stine	09RJ22	0.9	6-Oct	*65	1.0	77	*58	*60	34.0	18.6	--	--	--	--
Stine	13RI32	1.3	9-Oct	*63	1.0	*83	52	55	34.8	17.8	--	--	--	--
Stine	14RD62	1.4	10-Oct	*64	1.0	*79	*57	55	34.2	18.9	--	--	--	--
Mean			4-Oct	60	1.0	71	54	57	34.8	18.0	59	1.2	35.1	19.1
LSD (0.10)			3	5	NS	6	4	4	0.5	0.3	6	0.3	0.6	0.3

* 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. 2017 Southern Conventional and Traited Herbicide Soybean Trial (1 of 2)

Brand	Entry	Herbicide Trait ³	Maturity Group	Maturity Date ²	2017 Arlington ¹			2017 Composition ²		2016 2-Test Average ¹		2016 Composition ²	
					Yield (bu/A)	WM ⁴ (%)	Lodging (1-5)	Protein (%)	Oil (%)	Yield (bu/A)	Lodging (1-5)	Protein (%)	Oil (%)
Credenz	CZ 1028 LL	LL	1.0	20-Sep	*79	0	1.0	37.5	17.3	--	--	--	--
Credenz	CZ 1201 LL	LL	1.2	17-Sep	*82	4	1.0	36.2	18.2	--	--	--	--
Credenz	CZ 1332 LL	LL	1.3	15-Sep	*74	6	1.0	36.5	17.5	--	--	--	--
Credenz	CZ 1738 LL	LL	1.7	15-Sep	71	42	1.0	35.1	18.4	--	--	--	--
Credenz	CZ 1845 LL	LL	1.8	16-Sep	63	43	1.0	34.8	19.1	79	3.5	35.9	19.2
Credenz	CZ 2101 LL	LL	2.1	20-Sep	*82	0	1.0	34.5	18.4	*84	1.5	35.5	19.6
Credenz	CZ 2312 LL	LL	2.3	16-Sep	*79	4	1.0	36.1	17.7	78	1.5	36.6	18.5
Credenz	CZ 2601 LL	LL	2.6	19-Sep	72	13	1.0	34.6	18.4	*90	1.4	36.5	19.0
Credenz	CZ 2810 LL	LL	2.8	27-Sep	68	19	1.0	35.6	17.5	*85	1.9	35.9	18.8
Credenz	CZ 2915 LL	LL	2.9	26-Sep	64	25	1.0	35.8	18.1	*88	2.5	36.4	18.6
Hughes	236LL	LL	2.3	20-Sep	*83	13	1.0	36.3	17.5	81	1.8	36.6	18.4
Hughes	266LL	LL	2.6	22-Sep	*76	14	1.0	35.3	18.2	*86	1.9	36.3	19.1
Illini	2643N	CN	2.6	18-Sep	72	19	1.0	35.2	17.8	*82	1.8	35.6	18.6
Illini	2774N	CN	2.7	22-Sep	67	12	1.0	36.2	17.6	--	--	--	--
Illini	2904N	CN	2.9	27-Sep	62	26	1.0	34.2	18.5	--	--	--	--
Legend Seeds	LS 2143LLN	LL	2.1	18-Sep	*85	0	1.0	34.7	18.3	*83	1.0	35.3	19.6
Legend Seeds	LS 2624LLN	LL	2.6	25-Sep	*81	1	1.0	34.6	18.6	--	--	--	--
NuTech	3174L	LL	1.7	18-Sep	69	44	1.0	35.0	18.3	74	3.6	36.9	18.7
NuTech	3205L	LL	2.0	18-Sep	*79	8	1.0	34.6	18.1	78	1.5	35.6	19.3
NuTech	3252L	LL	2.5	20-Sep	*77	13	1.0	34.7	18.7	80	2.3	36.3	19.1
Public	MN1410	CN	1.4	15-Sep	*76	1	1.0	36.2	18.9	66	3.3	37.1	19.0
Public	Dane	CN	1.5	22-Sep	60	0	1.0	37.9	17.9	--	--	--	--

TABLE 6. CONTINUED. 2017 Southern Conventional and Traited Herbicide Soybean Trial (2 of 2)

					2017 Arlington ¹			2017 Composition ²		2016 2-Test Average ¹		2016 Composition ²	
Brand	Entry	Herbicide Trait ³	Maturity Group	Maturity Date ²	Yield (bu/A)	WM ⁴ (%)	Lodging (1-5)	Protein (%)	Oil (%)	Yield (bu/A)	Lodging (1-5)	Protein (%)	Oil (%)
Viking	0.2023N	CN	2.0	16-Sep	71	1	1.0	37.9	17.2	--	--	--	--
Viking	0.2188AT12N	CN	2.5	20-Sep	*76	13	1.0	36.4	17.4	80	3.1	36.4	18.5
Viking	0.2446N	CN	2.5	17-Sep	*81	1	1.0	36.1	18.1	--	--	--	--
Viking	0.3018N	CN	2.9	2-Oct	65	38	1.0	36.8	16.4	--	--	--	--
GT Check	11222	GT	2.4	17-Sep	*85	7	1.0	35.0	18.6	--	--	--	--
GT Check	11419	GT	2.4	15-Sep	*82	5	1.0	34.6	19.0	--	--	--	--
GT Check	11340	GT	2.7	25-Sep	61	41	1.0	35.4	18.1	--	--	--	--
GT Check	11159	GT	2.8	22-Sep	*85	1	1.0	36.5	17.2	--	--	--	--
Mean				20-Sep	74	14	1.0	35.7	18.0	78	2.4	36.3	18.9
LSD (0.10)				--	11	20	NS	0.6	0.3	8	2.0	0.5	0.2

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

¹ Platteville was abandoned in 2017 due to severe crusting and poor emergence. Platteville is included in the 2016 2-test average.

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

³ Herbicide Trait : CN = conventional, LL = glufosinate, GT = glyphosate

⁴ WM = White mold expressed as percent of diseased plants.

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

TABLE 7. 2017 North Central Conventional and Traited Herbicide Soybean Trial (1 of 2)

Brand	Entry	Herbicide Trait ¹	Maturity Group	Maturity Date	2017 Chippewa Falls					2016 Chippewa Falls			
					Yield (bu/A)	WM ² (%)	Lodging (1-5)	Protein (%)	Oil (%)	Yield (bu/A)	Lodging (1-5)	Protein (%)	Oil (%)
Credenz	CZ 0601 LL	LL	0.6	19-Sep	66	1	2.0	34.8	17.4	--	--	--	--
Credenz	CZ 1028 LL	LL	1.0	27-Sep	66	11	1.3	36.6	17.2	--	--	--	--
Credenz	CZ 1201 LL	LL	1.2	22-Sep	*68	16	1.3	37.5	17.5	*82	2.0	37.3	18.7
Credenz	CZ 1332 LL	LL	1.3	23-Sep	*69	21	1.0	36.3	17.3	*83	1.8	36.9	18.3
Credenz	CZ 1738 LL	LL	1.7	25-Sep	*71	24	2.3	36.0	17.9	--	--	--	--
Credenz	CZ 1845 LL	LL	1.8	27-Sep	61	26	1.8	35.2	18.6	72	4.3	35.6	19.1
Legend Seeds	LS 0702HP	CN	0.7	17-Sep	62	4	1.0	38.8	17.0	--	--	--	--
Legend Seeds	LS 1070HP	CN	1.0	20-Sep	58	0	1.0	36.7	17.4	--	--	--	--
Legend Seeds	LS 1172LLN	LL	1.1	23-Sep	*67	9	2.0	35.1	18.9	--	--	--	--
Legend Seeds	LS 1270HP	CN	1.2	21-Sep	66	0	1.0	35.2	18.5	--	--	--	--
Legend Seeds	LS 1527LLN	LL	1.5	23-Sep	63	20	1.3	36.4	17.2	*76	2.8	36.2	18.7
Legend Seeds	LS 1670HP	CN	1.6	23-Sep	66	4	1.0	33.4	19.0	--	--	--	--
NuTech	3115L	LL	1.1	23-Sep	*68	9	2.0	37.3	17.6	72	3.5	37.0	18.5
NuTech	3174L	LL	1.7	23-Sep	*67	13	2.5	35.9	18.0	*76	3.5	36.0	18.9
Public	MN0310CN	CN	0.3	15-Sep	46	1	1.0	36.5	18.1	65	2.5	35.7	19.8
Public	ND Bison	CN	0.7	15-Sep	54	0	1.0	34.1	18.5	--	--	--	--
Public	ND Stutsman	CN	0.7	13-Sep	63	0	1.0	34.7	18.5	--	--	--	--
Public	FG0822CN	CN	0.8	15-Sep	58	5	1.8	37.1	17.4	--	--	--	--
Public	MN1410	CN	1.4	23-Sep	61	8	1.5	36.6	18.4	72	4.0	36.6	19.3
Public	Dane	CN	1.5	19-Sep	50	1	1.0	38.1	17.4	--	--	--	--

TABLE 7. CONTINUED. 2017 North Central Conventional and Traited Herbicide Soybean Trial (2 of 2)

Brand	Entry	Herbicide Trait ¹	Maturity Group	2017 Chippewa Falls						2016 Chippewa Falls			
				Maturity Date	Yield (bu/A)	WM ² (%)	Lodging (1-5)	Protein (%)	Oil (%)	Yield (bu/A)	Lodging (1-5)	Protein (%)	Oil (%)
Viking	0.1202N	CN	1.2	25-Sep	65	10	1.5	37.1	17.2	69	2.8	36.8	18.5
Viking	0.1572N	CN	1.5	25-Sep	50	1	1.0	38.1	17.2	--	--	--	--
GT check	11336	GT	1.2	18-Sep	64	6	1.0	35.9	18.1	--	--	--	--
GT check	11247	GT	1.4	18-Sep	*68	9	1.3	35.1	18.5	--	--	--	--
GT check	11363	GT	1.4	19-Sep	65	11	1.8	34.9	18.8	--	--	--	--
GT check	11417	GT	1.9	21-Sep	*68	6	1.0	35.2	18.2	--	--	--	--
Mean				20-Sep	63	8	1.4	36.1	17.9	70	3.1	36.2	19.0
LSD (0.10)				--	4	8	0.8	0.4	0.3	7	1.3	0.5	0.3

* 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 = glyphosate

² WM = White mold expressed as percent of diseased plants.

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

TABLE 8.
2017 Seed Source for
Soybean Entries

Brand	Company	Phone Number	Website
AgriGold	AgriGold Hybrids	(618) 943-5776	www.agrigold.com
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
Cornelius	Cornelius Seed	(563) 542-0975	www.corneliusseed.com
Credenz	Bayer	(309) 212-5454	www.credenz.bayer.com
Dairyland	Dairyland Seed	(800) 231-0163	www.dairylandseed.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) 242-3439	www.fsseeds.com
Golden Harvest	Syngenta	(920) 889-5509	www.syngentaseeds.com
Great Lakes Hybrids	Great Lakes Hybrids	(608) 574-0711	www.greatlakeshybrids.com
Hughes	Burrus Bros & Associated Growers	(217) 997-5511	www.burrusseed.com
Illini	Baird Seed Company	(309) 639-2248	www.bairdseed.com
Jung	Jung Seed Genetics	(800) 242-1855	www.jungseedgenetics.com
Legacy Seeds	Legacy Seeds Inc.	(715) 467-2556	www.legacyseeds.com
Legend Seeds	Legend Seeds Inc.	(715) 821-0907	www.legendseeds.net
LG Seeds	LG Seeds	(507) 301-5498	www.lgseeds.com
Munson	Munson Hybrids	(309) 368-6375	www.munsonhybrids.com
NK	Syngenta	(920) 889-5509	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	(217) 997-5511	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) 513-0293	www.renkseed.com
Steyer	Steyer Seeds	(920) 366-6799	www.steyerseeds.com
Stine	Stine Seed Company	(715) 314-0429	www.stineseed.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
Tracy	Tracy Seeds, LLC	(608) 752-2767	www.tracyseeds.com

TABLE 9. 2017 Temperature and Precipitation Summary

	Average Mean Temperature (° F)						Total Precipitation (inches)					
Trial Location		May	June	July	August	September		May	June	July	August	September
Arlington		54.8	68.0	69.8	65.4	63.4		3.3	6.1	4.7	1.7	0.8
	Departure	-0.9	2.4	0.4	-1.9	4.1	Departure	-0.4	1.4	0.5	-2.2	-2.8
Chippewa Falls* (Eau Claire)		55.8	67.2	71.1	65.4	63.9		4.4	5.3	4.2	4.1	2.3
	Departure	-1.8	0.3	-0.5	-3.9	3.7	Departure	0.9	1.2	0.3	-0.4	-1.4
							Irrigation	0.0	0.0	1.0	1.0	0.0
East Troy (Burlington)		53.6	67.1	69.7	65.1	63.3		4.0	5.4	13.9	2.2	0.4
	Departure	-2.3	1.0	-0.8	-3.9	2.5	Departure	0.3	1.6	10.5	-1.7	-2.8
Fond du Lac		53.1	66.6	69.3	65.5	63.3		3.9	6.5	3.0	3.7	4.4
	Departure	-3.2	0.6	-1.1	-3.1	2.6	Departure	0.7	2.5	-0.4	0.2	1.0
Galesville (Trem- pealeau)		58.3	71.0	74.7	69.5	67.6		5.1	5.3	9.8	3.1	1.3
	Departure	-1.0	2.5	2.0	-1.0	5.5	Departure	1.4	1.6	5.4	-1.4	-2.5
Hancock*		54.2	66.5	69.4	65.5	63.4		3.8	8.0	4.1	4.3	2.5
	Departure	-2.6	0.0	-0.9	-2.8	3.4	Departure	0.1	3.4	-0.3	0.1	-0.9
							Irrigation	0.3	2.1	4.4	2.1	0.3
Marshfield		53.4	65.9	69.7	64.7	62.1		5.7	6.9	4.1	2.9	1.2
	Departure	-2.7	0.1	-0.4	-3.4	3.0	Departure	2.0	2.4	0.1	-1.4	-2.8
Platteville (Lancaster)		55.8	69.0	71.0	66.4	65.0		4.9	4.8	9.7	0.7	2.3
	Departure	-1.5	2.1	0.2	-2.6	4.2	Departure	0.7	-0.5	5.3	-3.5	-0.9
Seymour (Green Bay)		55.1	67.7	70.6	65.6	63.9		3.0	3.8	4.6	4.1	1.0
	Departure	-1.1	2.2	0.8	-2.9	4.1	Departure	0.0	-0.1	1.1	0.7	-2.0
Spooner*		53.0	64.5	68.1	63.6	61.3		6.5	4.4	2.5	6.3	2.2
	Departure	-2.7	-0.4	-1.2	-3.7	3.0	Departure	3.0	0.3	-1.7	2.1	-1.6
							Irrigation	0.0	0.0	0.0	0.5	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 10. 2017 Characteristics of Soybean Varieties (1 of 11)

Brand	Entry	Maturity Group	Herbicide Trait ¹	Performance Shown in Table(s):	Seed Treatment(s)	SCN Source ²	PRR Genes ³	Color ⁴			
								Flower	Pubescence	Pod	Hilum
AgriGold	G1810RX	1.8	RR2X	3	AgriSheild F/I, ILeVO	PI 88788	Rps 1-c	P	G	BR	IB
AgriGold	G1850RX	1.8	RR2X	2,3	AgriSheild F/I, ILeVO	PI 88788	Rps 1-a, 3-a	P	G	BR	BF
AgriGold	G2105RX	2.1	RR2X	2,3	AgriSheild F/I, ILeVO	PI 88788	Rps 1-c	P	LTW	BR	BL
AgriGold	G2250RX	2.2	RR2X	2,3	AgriSheild F/I, ILeVO	PI 88788	Rps 3-a, 1-k	W	TW	T	BL
AgriGold	G2355RX	2.3	RR2X	2,3	AgriSheild F/I, ILeVO	Peking	Rps 1-c	P	G	BR	IB
AgriGold	G2405RX	2.4	RR2X	2	AgriSheild F/I, ILeVO	PI 88788	S	P	LTW	T	BL
AgriGold	G2610RX	2.6	RR2X	2	AgriSheild F/I, ILeVO	PI 88788	Rps 1-c	P	G	T	IB
AgriGold	G2801RX	2.8	RR2X	2	AgriSheild F/I, ILeVO	PI 88788	Rps 1-c	P	G	BR	IB
AgriGold	G2900RX	2.9	RR2X	2	AgriSheild F/I, ILeVO	PI 88788	Rps 1-c	P	G	BR	IB
Asgrow	AG08X8	0.8	RR2X	5	Acceleron F/I	PI 88788	Rps 3-a	P	LTW	T	BL
Asgrow	AG0934	0.9	RR2Y	4,5	Acceleron F/I	PI 88788	Rps 3-a	P	LTW	BR	BR
Asgrow	AG11X8	1.1	RR2X	4,5	Acceleron F/I	PI 88788	Rps 3-a	P	LTW	T	BR
Asgrow	AG14X8	1.4	RR2X	3,4	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	AG19X8	1.9	RR2X	3	Acceleron F/I	PI 88788	Rps 1-c	P	G	BR	IB
Asgrow	AG21X7	2.1	RR2X	3	Acceleron F/I	PI 88788	Rps 1-c	P	TW	BR	BL
Asgrow	AG21X8	2.1	RR2X	2,3	Acceleron F/I	PI 88788	Rps 1-c	P	LTW	BR	BL
Asgrow	AG23X8	2.3	RR2X	2	Acceleron F/I	PI 88788	Rps 1-c	P	G	BR	IB
Asgrow	AG2636	2.6	RR2Y	2	Acceleron F/I	PI 88788	Rps 1-k	P	LTW	BR	BL
Asgrow	AG26X8	2.6	RR2X	2	Acceleron F/I	PI 88788	Rps 1-c	P	G	BR	IB
Asgrow	AG2836	2.8	RR2Y	2	Acceleron F/I	PI 88788	Rps 1-c, 3-a	P	LTW	BR	BR
Beck's	2339X2	2.3	RR2X	2	Escalate	Peking	Rps 1-c	P	G	BR	IB
Beck's	2559X2	2.5	RR2X	2	Escalate	PI 88788	Rps 1-c	P	G	T	IB
Beck's	2889X2	2.8	RR2X	2	Escalate	PI 88788	Rps 1-c	P	G	BR	IB
BioGene	BG7110R2Y	1.1	RR2Y	5	Arma	PI 88788	Rps 1-c	W	G	BR	BF

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 10. CONTINUED. 2017 Characteristics of Soybean Varieties (2 of 11)

Brand	Entry	Maturity Group	Herbicide Trait ¹	Performance Shown in Table(s):	Seed Treatment(s)	SCN Source ²	PRR Genes ³	Color ⁴			
								Flower	Pubescence	Pod	Hilum
BioGene	BG7141R2Y	1.4	RR2Y	4	Arma	PI 88788	Rps 1-c	P	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
Cornelius	CB22R88	2.2	RR2Y	2	Profit Guard Plus	PI 88788	--	--	--	--	--
Cornelius	CB22X73	2.2	RR2X	2	Profit Guard Plus	PI 88788	--	--	--	--	--
Cornelius	CB23X45	2.3	RR2X	2	Profit Guard Plus	PI 88788	Rps 1-c	P	G	BR	IB
Cornelius	CB24R82	2.4	RR2Y	2	Profit Guard Plus	PI 88788	--	--	--	--	--
Cornelius	CB24X64	2.4	RR2X	2	Profit Guard Plus	PI 88788	--	--	--	--	--
Cornelius	CB26X70	2.6	RR2X	2	Profit Guard Plus	PI 88788	--	--	--	--	--
Cornelius	CB27X81	2.7	RR2X	2	Profit Guard Plus	PI 88788	--	--	--	--	--
Cornelius	CB28X73	2.8	RR2X	2	Profit Guard Plus	PI 88788	--	--	--	--	--
Credenz	CZ 0601 LL	0.6	LL	7	EverGol Energy, Poncho/VOTiVO, ILeVO	PI 88788	Rps 1-c	P	TW	T	BL
Credenz	CZ 1028 LL	1.0	LL	6,7	EverGol Energy, Poncho/VOTiVO, ILeVO	PI 88788	--	P	LTW	T	BL
Credenz	CZ 1201 LL	1.2	LL	6,7	EverGol Energy, Poncho/VOTiVO, ILeVO	PI 88788	--	P	LTW	T	BL
Credenz	CZ 1332 LL	1.3	LL	6,7	EverGol Energy, Poncho/VOTiVO, ILeVO	PI 88788	--	P	LTW	T	BL
Credenz	CZ 1738 LL	1.7	LL	6,7	EverGol Energy, Poncho/VOTiVO, ILeVO	PI 88788	--	P	LTW	T	BL
Credenz	CZ 1845 LL	1.8	LL	6,7	EverGol Energy, Poncho/VOTiVO, ILeVO	PI 88788	Rps 1-k	W	LTW	BR	BL
Credenz	CZ 2101 LL	2.1	LL	6	EverGol Energy, Poncho/VOTiVO, ILeVO	PI 88788	Rps 1-a	P	LTW	T	BL
Credenz	CZ 2312 LL	2.3	LL	6	EverGol Energy, Poncho/VOTiVO, ILeVO	PI 88788	Rps 1-a	P	LTW	T	BR
Credenz	CZ 2601 LL	2.6	LL	6	EverGol Energy, Poncho/VOTiVO, ILeVO	PI 88788	Rps 1-a	P	LTW	T	BL
Credenz	CZ 2810 LL	2.8	LL	6	EverGol Energy, Poncho/VOTiVO, ILeVO	PI 88788	Rps 1-k	P	G	T	IB
Credenz	CZ 2915 LL	2.9	LL	6	EverGol Energy, Poncho/VOTiVO, ILeVO	PI 88788	Rps 1-k	P	G	BR	IB
Dairyland	DSR-0711/R2Y	0.7	RR2Y	4,5	CruiserMaxx, Optimize	PI 88788	Rps 1-k	P	TW	BR	G
Dairyland	DSR-0807/R2Y	0.8	RR2Y	4,5	CruiserMaxx, Optimize	--	Rps 1-c	P	LTW	BR	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.

TABLE 10. CONTINUED. 2017 Characteristics of Soybean Varieties (3 of 11)

Brand	Entry	Maturity Group	Herbicide Trait ¹	Performance Shown in Table(s):	Seed Treatment(s)	SCN Source ²	PRR Genes ³	Color ⁴			
								Flower	Pubescence	Pod	Hilum
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-1475/R2Y	1.4	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	2,3,4	CruiserMaxx, Optimize	PI 88788	Rps 1-c	P	LTW	BR	BL
Dairyland	DSR-1950/R2Y	1.9	RR2Y	2,3	CruiserMaxx, Optimize	PI 88788	Rps 1-c	P	G	BR	BR
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-2909/R2Y	2.9	RR2Y	2	CruiserMaxx, Optimize	PI 88788	Rps 1-a	P	LTW	T	BL
Dyna-Gro	S12XT07	1.2	RR2X	4	Equity VIP, Clariva	PI 88788	Rps 1-c, 3-a	P	LTW	BR	BL
Dyna-Gro	S16XT58	1.6	RR2X	4	Equity VIP, Clariva	PI 88788	Rps 1-c	P	LTW	BR	BL
Dyna-Gro	S17RY67	1.7	RR2Y	3,4	Equity VIP, Clariva	PI 88788	Rps 1-c	P	LTW	BR	BL
Dyna-Gro	S18XT38	1.8	RR2X	3	Equity VIP, Clariva	PI 88788	Rps 1-a, 3-a	P	G	BR	BF
Dyna-Gro	S20XT48	2.0	RR2X	3	Equity VIP, Clariva	PI 88788	Rps 3-a	P	LTW	BR	BR
Dyna-Gro	S23RY85	2.3	RR2Y	3	Equity VIP, Clariva	PI 88788	Rps 1-c	P	LTW	BR	BL
Dyna-Gro	S23XT78	2.3	RR2X	2,3	Acceleron F/I	PI 88788	Rps 1-c	P	G	BR	IB
Dyna-Gro	S24RY87	2.4	RR2Y	2	Equity VIP, Clariva	PI 88788	Rps 1-k	P	LTW	BR	BL
Dyna-Gro	S26RY37	2.6	RR2Y	2	Equity VIP, Clariva	PI 88788	S	P	LTW	T	BL
Dyna-Gro	S28XT58	2.8	RR2X	2	Equity VIP, Clariva	PI 88788	Rps 1-c	P	G	BR	IB
Federal Hybrids	F067NRR2Y	0.6	RR2Y	5	Maximum ArmourGuard	PI 88788	Rps 3-a	P	LTW	T	BR
Federal Hybrids	F087NRR2Y	0.8	RR2Y	4,5	Maximum ArmourGuard	PI 88788	Rps 1-c	P	LTW	BR	BL
Federal Hybrids	F106NRR2Y	1.0	RR2Y	4,5	Maximum ArmourGuard	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 10. CONTINUED. 2017 Characteristics of Soybean Varieties (4 of 11)

Brand	Entry	Maturity Group	Herbicide Trait ¹	Performance Shown in Table(s):	Seed Treatment(s)	SCN Source ²	PRR Genes ³	Color ⁴			
								Flower	Pubescence	Pod	Hilum
Federal Hybrids	F115NRR2Y	1.1	RR2Y	4	Maximum ArmourGuard	PI 88788	Rps 1-c	W	G	BR	BF
Federal Hybrids	F1180NR2X	1.1	RR2X	4,5	Maximum ArmourGuard	PI 88788	HRps 3-a	P	LTW	T	BR
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	F1685NR2X	1.6	RR2X	4	Maximum ArmourGuard	PI 88788	HRps 1-c, 1-k	P	G	BR	IB
Federal Hybrids	F185NRR2Y	1.8	RR2Y	4	Maximum ArmourGuard	PI 88788	Rps 1-k	P	G	T	IB
Federal Hybrids	F1880NR2X	1.8	RR2X	4	Maximum ArmourGuard	PI 88788	Rps 1-a, 3-a	P	G	BR	BF
FS HiSOY	HS 18X70	1.8	RR2X	2,3,4	Acceleron, Cue, IleVO	PI 88788	Rps 1-a, 3-a	P	G	BR	BF
FS HiSOY	HS 21X70	2.1	RR2X	2,3	Acceleron, Cue, IleVO	PI 88788	Rps 3-a	P	LTW	BR	BR
FS HiSOY	HS 22X70	2.2	RR2X	2,3	Acceleron, Cue, IleVO	PI 88788	Rps 1-k	W	TW	T	BL
FS HiSOY	HS 23X70	2.3	RR2X	2,3	Acceleron, Cue, IleVO	Peking	Rps 1-c	P	G	BR	IB
FS HiSOY	HS 24X70	2.4	RR2X	2,3	Acceleron, Cue, IleVO	PI 88788	None	P	LTW	T	BL
FS HiSOY	HS 25X70	2.5	RR2X	2	Acceleron, Cue, IleVO	PI 88788	Rps 1-c	P	G	T	IB
FS HiSOY	HS 27X60	2.7	RR2X	2	Acceleron, Cue, IleVO	PI 88788	Rps 1-c	P	G	BR	IB
FS HiSOY	HS 28X70	2.8	RR2X	2	Acceleron, Cue, IleVO	PI 88788	Rps 1-c	P	G	BR	IB
FS HiSOY	HS 29X70	2.9	RR2X	2	Acceleron, Cue, IleVO	PI 88788	Rps 1-c	P	G	BR	IB
Golden Harvest	GH1915X Brand	1.9	RR2X	3	Clariva Complete, Mertect	PI 88788	Rps 1-c	W	LTW	BR	BL
Golden Harvest	GH2230X Brand	2.2	RR2X	2,3	Clariva Complete, Mertect	PI 88788	Rps 1-c	W	LTW	BR	BL
Great Lakes Hybrids	GL0779NRX	0.7	RR2X	5	AgriSheild F/I, ILeVO	PI 88788	Rps 3-a	P	LTW	T	BR
Great Lakes Hybrids	GL0950NR2	0.9	RR2Y	4,5	AgriSheild F/I, ILeVO	PI 88788	Rps 1-c	P	LTW	BR	BL
Great Lakes Hybrids	GL1170NRX	1.1	RR2X	4,5	AgriSheild F/I, ILeVO	PI 88788	Rps 3-a	P	LTW	T	BR
Great Lakes Hybrids	GL1367NR2	1.3	RR2Y	4	AgriSheild F/I, ILeVO	PI 88788	Rps 1-c	P	LTW	BR	BL
Great Lakes Hybrids	GL1675NRX	1.6	RR2X	4	AgriSheild F/I, ILeVO	PI 88788	Rps 1-c	P	LTW	BR	BL
Great Lakes Hybrids	GL1865NR2	1.8	RR2Y	3,4	AgriSheild F/I, ILeVO	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 10. CONTINUED. 2017 Characteristics of Soybean Varieties (5 of 11)

Brand	Entry	Maturity Group	Herbicide Trait ¹	Performance Shown in Table(s):	Seed Treatment(s)	SCN Source ²	PRR Genes ³	Color ⁴			
								Flower	Pubescence	Pod	Hilum
Great Lakes Hybrids	GL2039R2	2.0	RR2Y	3	AgriSheild F/I, ILeVO	PI 88788	Rps 1-c	P	LTW	BR	BL
Great Lakes Hybrids	GL2063NRX	2.0	RR2X	3	AgriSheild F/I, ILeVO	PI 88788	Rps 1-c	P	LTW	BR	BL
Great Lakes Hybrids	GL2269NR2	2.2	RR2Y	3	AgriSheild F/I, ILeVO	PI 88788	Rps 1-c	P	LTW	BR	BL
Great Lakes Hybrids	GL2372NRX	2.3	RR2X	3	AgriSheild F/I	PI 88788	Rps 1-c	P	G	BR	IB
Great Lakes Hybrids	GL2469R2	2.4	RR2Y	2,3	AgriSheild F/I, ILeVO	PI 88788	Rps 1-c	P	LTW	BR	BL
Great Lakes Hybrids	GL2551NR2	2.5	RR2Y	2	AgriSheild F/I, ILeVO	PI 88788	Rps 1-k	P	LTW	BR	BL
Great Lakes Hybrids	GL2673NRX	2.6	RR2X	2	AgriSheild F/I, ILeVO	PI 88788	Rps 1-c	P	G	T	IB
Great Lakes Hybrids	GL2870NRX	2.8	RR2X	2	AgriSheild F/I, ILeVO	PI 88788	Rps 1-c	P	G	BR	IB
Hughes	236LL	2.3	LL	6	Apron XL, Cruiser, ILeVO, Maxim, Vibrance	S	Rps 1-k	P	LTW	T	BR
Hughes	266LL	2.6	LL	6	Apron XL, Cruiser, ILeVO, Maxim, Vibrance	S	Rps 1-c	P	LTW	T	BL
Illini	2643N	2.6	CN	6	CruiserMaxx	PI 88788	--	P	G	BR	G
Illini	2774N	2.7	CN	6	CruiserMaxx	PI 88788	--	W	LTW	BR	BL
Illini	2904N	2.9	CN	6	CruiserMaxx	PI 88788	--	P	G	BR	IB
Jung	1062R2X	0.6	RR2X	5	Acceleron F/I	PI 88788	Rps 1-c	P	T	BR	BL
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	1172R2X	1.7	RR2X	4	Acceleron F/I	PI 88788	Rps 3-a	P	LTW	BR	BR
Jung	1182R2X	1.8	RR2X	4	Acceleron F/I	PI 88788	Rps 1-c	P	LTW	BR	BL
Jung	1202R2X	2.0	RR2X	3	Acceleron F/I	PI 88788	Rps 1-c	P	LTW	BR	BL
Jung	1212R2X	2.1	RR2X	3	Acceleron F/I	PI 88788	Rps 3-a	P	LTW	BR	BR
Jung	1223R2X	2.2	RR2X	3	Acceleron F/I	PI 88788	S	P	G	T	IB
Jung	1243R2X	2.4	RR2X	2	Acceleron F/I	PI 88788	Rps 1-c	P	G	BR	IB
Jung	1252R2X	2.5	RR2X	2	Acceleron F/I	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 10. CONTINUED. 2017 Characteristics of Soybean Varieties (6 of 11)

Brand	Entry	Maturity Group	Herbicide Trait ¹	Performance Shown in Table(s):	Seed Treatment(s)	SCN Source ²	PRR Genes ³	Color ⁴			
								Flower	Pubescence	Pod	Hilum
Jung	1283R2X	2.8	RR2X	2	Acceleron F/I	PI 88788	Rps 1-c	P	G	BR	IB
Legacy Seeds	LS-0738N RR2X	0.7	RR2X	5	L-Coat Total, Excalibre	PI 88788	Rps 3-a	P	LTW	T	BR
Legacy Seeds	LS-1138N RR2X	1.1	RR2X	4,5	L-Coat Total, Excalibre	PI 88788	Rps 3-a	P	LTW	T	BR
Legacy Seeds	LS-1338N RR2X	1.3	RR2X	3,4,5	L-Coat Total, Excalibre	PI 88788	Rps 1-c	P	G	BR	IB
Legacy Seeds	LS-1638N RR2X	1.6	RR2X	3,4	L-Coat Total, Excalibre	PI 88788	Rps 1-c	P	LTW	BR	BL
Legacy Seeds	LS-1838N RR2X	1.8	RR2X	3,4	L-Coat Total, Excalibre	PI 88788	Rps 3-a	P	G	BR	BF
Legacy Seeds	LS-2037N RR2X	2.0	RR2X	3,4	L-Coat Total, Excalibre	PI 88788	Rps 1-c	P	LTW	BR	BL
Legacy Seeds	LS-2338N RR2X	2.3	RR2X	2,3	L-Coat Total, Excalibre	PI 88788	Rps 1-k	W	TW	T	BL
Legacy Seeds	LS-2638N RR2X	2.6	RR2X	2	L-Coat Total, Excalibre	PI 88788	Rps 1-c	P	G	T	IB
Legend Seeds	LS 0702HP	0.7	CN	7	None	S	Rps 1-k	P	G	BR	Y
Legend Seeds	LS 1070HP	1.0	CN	7	None	S	--	--	--	--	--
Legend Seeds	LS 1172LLN	1.1	LL	7	YP Pro, Preside, Quickroots	PI 88788	Rps 1-k	--	--	--	--
Legend Seeds	LS 11R760N	1.1	RR2Y	4	YP Pro, Preside, Quickroots	PI 88788	Rps 3-a, 1-k	--	--	--	--
Legend Seeds	LS 1270HP	1.2	CN	7	None	S	--	--	--	--	--
Legend Seeds	LS 12R24N	1.2	RR2Y	4	None	--	--	--	--	--	--
Legend Seeds	LS 14R22N	1.4	RR2Y	4	YP Pro, Preside, Quickroots	PI 88788	Rps 1-c	--	--	--	--
Legend Seeds	LS 1527LLN	1.5	LL	7	YP Pro, Preside, Quickroots	PI 88788	Rps 1-c	--	--	--	--
Legend Seeds	LS 15X860N	1.5	RR2X	3,4	YP Pro, Preside, Quickroots	PI 88788	Rps 1-c, 1-k	--	--	--	--
Legend Seeds	LS 1670HP	1.6	CN	7	None	S	--	--	--	--	--
Legend Seeds	LS 20R524N	2.0	RR2Y	2,3	YP Pro, Preside, Quickroots	PI 88788	Rps 1-c	--	--	--	--
Legend Seeds	LS 20X746N	2.0	RR2X	3	YP Pro, Preside, Quickroots	--	--	--	--	--	--
Legend Seeds	LS 2143LLN	2.1	LL	6	YP Pro, Preside, Quickroots	PI 88788	Rps 1-c	--	--	--	--
Legend Seeds	LS 23X632N	2.3	RR2X	2,3	YP Pro, Preside, Quickroots	PI 88788	Rps 1-c	--	--	--	--
Legend Seeds	LS 24R563N	2.4	RR2Y	2	YP Pro, Preside, Quickroots	PI 88788	Rps 1-c	--	--	--	--

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.

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TABLE 10. CONTINUED. 2017 Characteristics of Soybean Varieties (7 of 11)

Brand	Entry	Maturity Group	Herbicide Trait ¹	Performance Shown in Table(s):	Seed Treatment(s)	SCN Source ²	PRR Genes ³	Color ⁴			
								Flower	Pubescence	Pod	Hilum
Legend Seeds	LS 2624LLN	2.6	LL	6	None	PI 88788	Rps 1-c	--	--	--	--
Legend Seeds	LS 28X840N	2.8	RR2X	2	YP Pro, Preside, Quickroots	PI 88788	Rps 1-c	--	--	--	--
LG Seeds	C1414RX	1.4	RR2X	4	AgriSheild F/I	PI 88788	Rps 3-a, 1-k	P	LTW	T	BL
LG Seeds	C1870R2	1.8	RR2Y	3,4	AgriSheild F/I	PI 88788	Rps 1-c	P	G	T	IB
LG Seeds	C2201RX	2.2	RR2X	2,3	AgriSheild F/I	PI 88788	Rps 3-a, 1-k	W	TW	T	BL
LG Seeds	C2441R2	2.4	RR2Y	2	AgriSheild F/I	PI 88788	Rps 1-c	P	TW	T	BL
Munson	8058R2Y	0.5	RR2Y	5	Intego Suite	PI 88788	S	P	LTW	T	BL
Munson	8087R2Y	0.8	RR2Y	5	Intego Suite	PI 88788	Rps 1-c	P	LTW	BR	BL
Munson	8107R2Y	1.0	RR2Y	5	Intego Suite	PI 88788	Rps 3-a, 1-k	P	LTW	T	BR
Munson	8128R2Y	1.2	RR2Y	5	Intego Suite	PI 88788	Rps 1-c	W	G	BR	BF
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	9158RR2X	1.5	RR2X	4	Intego Suite	PI 88788	HRps 1-c	P	G	BR	IB
Munson	8196R2Y	1.9	RR2Y	4	Intego Suite	PI 88788	Rps 1-c	P	G	T	IB
Munson	9228RR2X	2.2	RR2X	2	Intego Suite	PI 88788	Rps 3-a, 1-k	W	TW	T	BL
Munson	8247R2Y	2.4	RR2Y	2	Intego Suite	PI 88788	Rps 1-k	P	LTW	BR	BL
Munson	9258RR2X	2.5	RR2X	2	Intego Suite	PI 88788	Rps 1-c	P	G	T	IB
Munson	9288RR2X	2.8	RR2X	2	Intego Suite	PI 88788	Rps 1-c	P	G	BR	IB
NK	S10-H7X Brand	1.0	RR2X	5	Clariva Complete, Mertect	PI 88788	Rps 1-c	P	LTW	T	BL
NK	S12-R3 Brand	1.2	RR2Y	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	S18-G4X Brand	1.8	RR2X	3	Clariva Complete, Mertect	PI 88788	Rps 1-c	P	LTW	BR	BL
NK	S20-J5X Brand	2.0	RR2X	2,3	Clariva Complete, Mertect	PI 88788	Rps 1-c	W	LTW	BR	BL
NK	S21-W8X Brand	2.1	RR2X	2,3	Clariva Complete, Mertect	PI 88788	Rps 1-c	W	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 10. CONTINUED. 2017 Characteristics of Soybean Varieties (8 of 11)

Brand	Entry	Maturity Group	Herbicide Trait ¹	Performance Shown in Table(s):	Seed Treatment(s)	SCN Source ²	PRR Genes ³	Color ⁴			
								Flower	Pubescence	Pod	Hilum
NK	S25-B6X Brand	2.5	RR2X	2	Clariva Complete, Mertect	PI 88788	Rps 1-c	W	LTW	BR	BR
NK	S27-M8X Brand	2.8	RR2X	2	Clariva Complete, Mertect	PI 88788	Rps 1-c	P	G	BR	IB
NuTech	6097R2	0.9	RR2Y	4,5	SmartCote Supreme	S	Rps 3-a	P	LTW	BR	BR
NuTech	7109	1.0	GT	4,5	SmartCote Supreme	PI 88788	Rps 1-k	P	LTW	BR	BR
NuTech	3115L	1.1	LL	7	SmartCote Supreme	PI 88788	Rps 1-c	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	3,4	SmartCote Supreme	PI 88788	S	P	LTW	BR	BL
NuTech	7198	1.9	GT	2,3	SmartCote Supreme	PI 88788	Rps 1-k	P	G	T	IB
NuTech	3205L	2.0	LL	6	SmartCote Supreme	PI 88788	Rps 1-c	P	LTW	T	BL
NuTech	7224	2.2	GT	2,3	SmartCote Supreme	Peking	Rps 1-k	P	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	3,4	EclipseUS Trio IM, N-Force	--	--	P	G	T	BF
O'Brien	O'SOY1900GT	1.9	GT	2,3	EclipseUS Trio IM, N-Force	--	--	P	G	T	IB
O'Brien	O'SOY196NR2Y	1.9	RR2Y	2,3	EclipseUS Trio IM, N-Force	--	--	P	LTW	LTW	BL
O'Brien	O'SOY2500GT	2.5	GT	2	EclipseUS Trio IM, N-Force	--	--	W	G	BR	BL
Power Plus	20B7	2.0	GT	2	ILeVO, PowerShield	Peking	Rps 1-k	P	LTW	T	BR
Power Plus	24F8	2.4	GT	2	ILeVO, PowerShield	Peking	Rps 1-k	P	LTW	T	BR
Power Plus	25G8	2.5	GT	2	ILeVO, PowerShield	PI 88788	Rps 1-k	P	LTW	BR	BR
Power Plus	28Q8	2.8	GT	2	ILeVO, PowerShield	Peking	Rps 1-k	P	LTW	BR	BF
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	ER17141	1.4	RR2Y	5	CruiserMaxx	PI 88788	S	P	LTW	T	BL
ProHarvest	1563CR2Y	1.5	RR2Y	4,5	CruiserMaxx, Vibrance	PI 88788	Rps 1-c	P	LTW	BR	BL
ProHarvest	1627X	1.6	RR2X	4	CruiserMaxx	PI 88788	HRps 1-c, 1-k	P	G	BR	IB

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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.

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TABLE 10. CONTINUED. 2017 Characteristics of Soybean Varieties (9 of 11)

Brand	Entry	Maturity Group	Herbicide Trait ¹	Performance Shown in Table(s):	Seed Treatment(s)	SCN Source ²	PRR Genes ³	Color ⁴			
								Flower	Pubescence	Pod	Hilum
ProHarvest	1703CX	1.7	RR2X	3	CruiserMaxx	PI 88788	Rps 3-a	P	LTW	BR	BR
ProHarvest	1863CR2Y	1.8	RR2Y	3,4	CruiserMaxx, Vibrance	PI 88788	Rps 1-c	P	LTW	BR	BL
ProHarvest	2084CR2Y	2.0	RR2Y	3	CruiserMaxx, Vibrance	PI 88788	Rps 1-c	P	LTW	BR	BR
ProHarvest	EX17201	2.0	RR2X	4	CruiserMaxx	PI 88788	Rps 3-a	P	LTW	BR	BR
ProHarvest	2116CX	2.1	RR2X	3	CruiserMaxx	PI 88788	Rps 1-c	P	LTW	BR	BL
Public	MN0310CN	0.3	CN	7	None	--	S	W	TW	T	Y
Public	ND Bison	0.7	CN	7	None	--	--	P	TW	BR	Y
Public	ND Stutsman	0.7	CN	7	None	--	--	P	G	BR	Y
Public	FG0822CN	0.8	CN	7	None	--	--	P	G	T	Y
Public	ND 17009GT	00.9	GT	5	None	--	--	W	TW	BR	BL
Public	MN1410	1.4	CN	6,7	Arma	--	--	W	G	BR	BF
Public	Dane	1.5	CN	6,7	None	--	--	W	G	T	Y
Renk	RS058NX	0.5	RR2X	5	None	PI 88788	Rps 3-a	P	LTW	BR	BR
Renk	RS078NX	0.7	RR2X	5	CruiserMaxx	PI 88788	Rps 3-a	P	LTW	T	BR
Renk	RS096NR2	0.9	RR2Y	5	CruiserMaxx	S	Rps 1-c	P	LTW	BR	BL
Renk	RS168NX	1.6	RR2X	4	CruiserMaxx	PI 88788	Rps 1-c	P	LTW	BR	BL
Renk	RS175NR2	1.7	RR2Y	4	CruiserMaxx	PI 88788	Rps 1-k	P	G	T	IB
Renk	RS188NX	1.8	RR2X	4	CruiserMaxx	PI 88788	Rps 1-a, 3-a	P	G	BR	BF
Renk	RS207NX	2.0	RR2X	3	CruiserMaxx	PI 88788	Rps 1-c	P	LTW	BR	BL
Renk	RS208NX	2.0	RR2X	3	CruiserMaxx	PI 88788	Rps 3-a	P	LTW	BR	BL
Renk	RS213NR2	2.1	RR2Y	3	CruiserMaxx	PI 88788	Rps 1-c	P	LTW	BR	BL
Renk	RS228NX	2.2	RR2X	3	CruiserMaxx	PI 88788	Rps 3-a, 1-k	W	TW	BR	BL
Renk	RS241R2	2.4	RR2Y	2	CruiserMaxx	--	Rps 1-c	P	G	BR	BF
Renk	RS248NX	2.4	RR2X	2	CruiserMaxx	PI 88788	--	P	LTW	T	BL
Renk	RS268NX	2.6	RR2X	2	CruiserMaxx	PI 88788	Rps 1-c	P	G	T	IB

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TABLE 10. CONTINUED. 2017 Characteristics of Soybean Varieties (10 of 11)

Brand	Entry	Maturity Group	Herbicide Trait ¹	Performance Shown in Table(s):	Seed Treatment(s)	SCN Source ²	PRR Genes ³	Color ⁴			
								Flower	Pubescence	Pod	Hilum
Renk	RS288NX	2.8	RR2X	2	CruiserMaxx	PI 88788	Rps 1-c	P	G	BR	IB
Steyer	WXP1007R2	1.0	RR2Y	4	CruiserMaxx, Vibrance	--	Rps 1-c	P	LTW	BR	IB
Steyer	WXP1707R2	1.7	RR2Y	4	CruiserMaxx, Vibrance	--	Rps 1-c	P	G	T	BF
Steyer	WXP1807R2	1.8	RR2Y	4	CruiserMaxx, Vibrance	--	Rps 1-c	P	LTW	BR	BR
Steyer	WXP1907R2	1.9	RR2Y	4	CruiserMaxx, Vibrance	--	Rps 1-c	P	LTW	T	BL
Stine	09RJ22	0.9	RR2Y	5	N Force, YP Pro	Peking	Rps 3-a, 1-k	P	G	--	BF
Stine	13RI32	1.3	RR2Y	5	ApronMaxx, Vibrance	PI 88788	Rps 1-c	P	LTW	--	BL
Stine	14RD62	1.4	RR2Y	4,5	Stine XP-F&I	PI 88788	Rps 1-c, 1-k	P	LTW	--	BL
Stine	15BA30	1.5	GT	4	ApronMaxx, Vibrance	--	Rps 1-k	P	LTW	--	BR
Stine	19BA23	1.9	GT	3	ApronMaxx, Vibrance	PI 88788	Rps 1-c	W	LTW	--	BL
Stine	19RF32	1.9	RR2Y	3,4	Stine XP-F&I	PI 88788	Rps 1-c	P	G	--	IB
Stine	21RI32	2.1	RR2Y	3,4	Stine XP-F&I	PI 88788	Rps 1-c	P	LTW	--	BL
Titan Pro	TP-16X77	1.6	RR2X	2	Intego Suite, ILeVO	PI 88788	Rps 1-c	P	LTW	BR	BL
Titan Pro	TP-18X97	1.8	RR2X	2	Intego Suite, ILeVO	PI 88788	Rps 1-a, 3-a	P	G	BR	BF
Titan Pro	TP-20X57	2.0	RR2X	2	Intego Suite, ILeVO	PI 88788	Rps 3-a	P	LTW	BR	BR
Titan Pro	TP-24R26	2.4	RR2Y	2	Intego Suite, ILeVO	PI 88788	Rps 1-k	P	LTW	BR	BL
Titan Pro	TP-26X37	2.6	RR2X	2	Intego Suite, ILeVO	PI 88788	Rps 1-c	P	G	T	IB
Titan Pro	TP-28X47	2.8	RR2X	2	Intego Suite, ILeVO	PI 88788	Rps 1-c	P	G	BR	IB
Tracy	19X8GT	1.9	GT	3	EclipseUS Quad IM, N Force	PI 88788	Rps 1-k	P	TW	T	IB
Tracy	2008GT	2.0	GT	3	EclipseUS Quad IM, N Force	S	Rps 1-k	P	TW	T	BL
Tracy	2308GT	2.3	GT	2,3	EclipseUS Quad IM, N Force	S	Rps 1-k	P	G	T	IB
Tracy	2708GT	2.7	GT	2	EclipseUS Quad IM, N Force	S	Rps 1-k	P	G	BR	IB
Tracy	2808GT	2.8	GT	2	EclipseUS Quad IM, N Force	S	Rps 1-c	P	G	T	IB
Viking	0.1202N	1.2	CN	7	None	PI 88788	Rps 1-k	P	TW	BR	BR
Viking	0.1572N	1.5	CN	7	None	PI 88788	Rps 1-c	P	G	T	Y

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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 10. CONTINUED. 2017 Characteristics of Soybean Varieties (11 of 11)

Brand	Entry	Maturity Group	Herbicide Trait ¹	Performance Shown in Table(s):	Seed Treatment(s)	SCN Source ²	PRR Genes ³	Color ⁴			
								Flower	Pubescence	Pod	Hilum
Viking	0.2023N	2.0	CN	6	None	PI 88788	Rps 1-c	W	G	T	Y
Viking	0.2188AT12N	2.5	CN	6	None	PI 88788	--	W	G	T	Y
Viking	0.2446N	2.5	CN	6	None	PI 88788	--	P	TW	BR	BL
Viking	0.3018N	2.9	CN	6	None	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.

2017



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Authors: Shawn P. Conley is professor of Agronomy, Adam C. Roth is senior research specialist in Agronomy, John M. Gaska is a senior research agronomist in Agronomy, and Damon L. Smith is assistant professor of Plant Pathology, College of Agricultural and Life Sciences, University of Wisconsin-Madison. Shawn P. Conley and Damon L. Smith also holds appointments with University of Wisconsin-Extension, Cooperative Extension. Cooperative Extension publications are subject to peer review.

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/field-croppathology/soybean_pests_diseases/

Wisconsin Crop Improvement Association provides financial support for the Wisconsin soybean variety tests. <http://wcia.wisc.edu/>

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