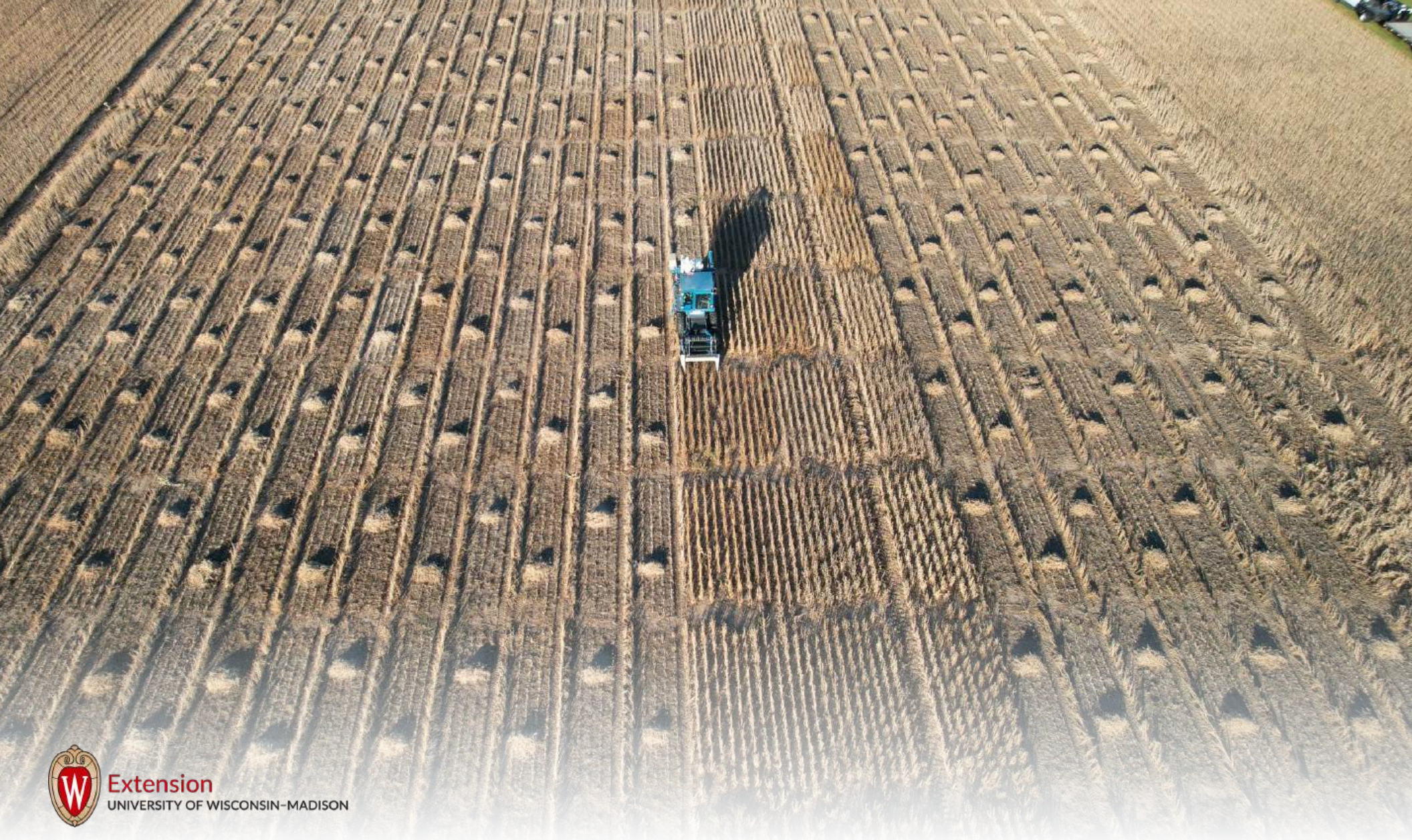




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WISCONSIN

Soybean Variety Performance Trials 2022

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





2022 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 in 15" rows. Tests were conducted using a randomized complete block design with four replicates. Table 1 also lists the herbicides used for weed control.

Growing conditions

Wisconsin soybean growers experienced average growing conditions across much of the state in 2022. Normal precipitation in April and May coupled with average temperatures led to normal soybean planting timing. Cooler weather in late August and September slowed development and maturity compared to 2021 but was similar to the 5-year average.

The 2022 projected statewide average soybean yield is 54.0 bu/A, down 1.0 bu/A from 2021. Production is expected to be at 115 million bushels, which is above the record crop of 2021. Source: October 12, 2022 NASS report, www.nass.usda.gov

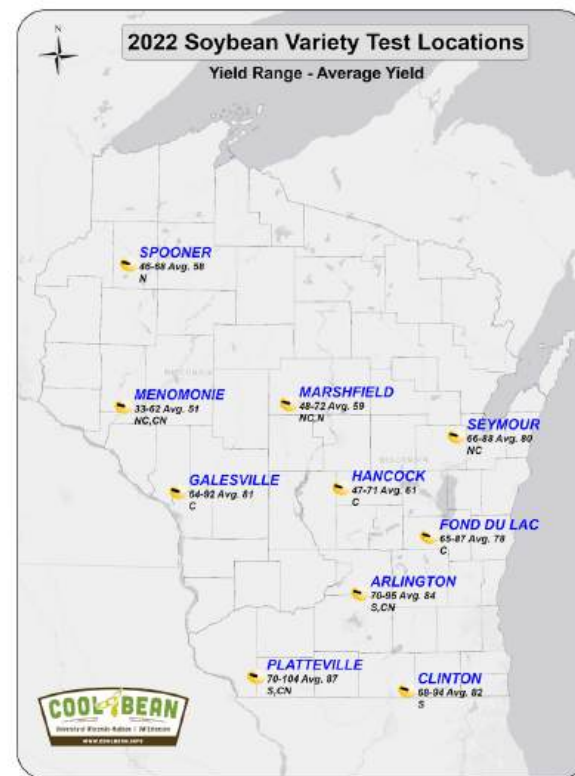
Statewide crop conditions were rated at about 74% good to excellent for most of the season. As of October 24th, 76% of the WI soybean crop had been harvested, which is 8 days ahead of the average. Platteville had some white mold incidence and Menomonie experienced dryer conditions through June and July.

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% 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 or a killing frost occurred. 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 maturity based on company supplied variety information.



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.

Common Diseases of Wisconsin Soybean

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 organism 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 based on survey conducted over 10 years ago. Thus, the long-used Rps1-a gene was not providing protection 95% of the time. Race 4 occurs in 25% of Wisconsin soybean fields but is expected to be on the rise in the state. Growers have a decent chance in controlling race 3 by planting varieties with the Rps1-c or Rps1-k gene. The Rps1-k gene provides complete resistance against many races of *Phytophthora* found in Wisconsin. That being said, active work is ongoing to classify new races in the state. Thus, if you have had a severe *Phytophthora* problem, switching resistance genes might help alleviate some of the issue. 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 seed treatments can provide a window

of protection to partially resistant varieties during emergence. Variety resistance 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. It is advised to consider *Phytophthora* resistance carefully as there was low-to-moderate incidence and severity of *Phytophthora* root and stem rot in Wisconsin in 2022.

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 moderate issue in some fields across Wisconsin in 2022, especially those that were planted to known susceptible varieties. 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 testing kits please email: freescntest@mailplus.wisc.edu. For more information on SCN please visit: <https://www.thescncoalition.com/partners/university-partners/university-wisconsin-madison>

Brown Stem Rot (caused by *Cadophora gregata*)

Brown stem rot (BSR) is a major disease of soybeans in Wisconsin. In 2022, BSR was occasionally found in fields in Wisconsin where susceptible varieties were planted and/or where there were short rotations between soybean crops. 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 plants that are unthrifty, stunted, or yellowing prematurely. Select resistant varieties if BSR has been a problem in the field. Some SCN-resistant soybean varieties are also resistant to BSR.

Sudden Death Syndrome
(caused by *Fusarium virguliforme*)

Sudden death syndrome (SDS) incidence was moderate in 2022, especially south and south-central Wisconsin. 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 (pith) to confirm SDS. SDS resistance information is available on tech data sheets from seed companies. Several seed treatments are available on the market that have excellent efficacy against SDS. Contact your seed dealer for details and limitations of these products.

Soybean viruses and insects

Soybean aphids were localized again in 2022; 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 2022. 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. In 2022, symptoms of *Tobacco streak virus* (TSV) were occasionally observed in soybean fields. To a lesser extent symptoms of *Alfalfa mosaic virus* (AMV) were

also observed. Symptoms of *Soybean vein necrosis virus* (SVNV) were more prevalent in Wisconsin in 2022 than 2021 but did not cause any yield reductions.

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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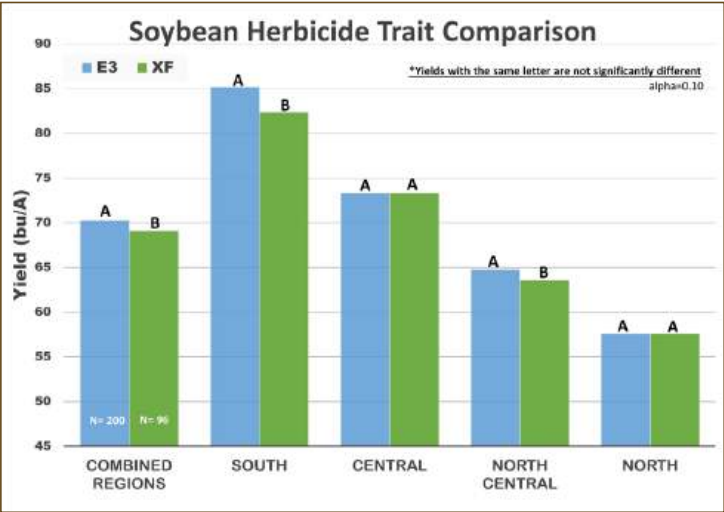


Figure 1. Average performance of E3 and XF soybean varieties in Wisconsin in 2022.

TABLE 1. General Information on the 2022 Soybean Trials

Location: Trial	Cooperators	Row Spacing (in.)	Tillage	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	2022	2021	2021-22
Arlington: Glyphosate Tolerant	Mike Bertram	15	no-till	Silt Loam	6.8	4.3	72	288	2,4-D, glyphosate, Medal II, Sonic	glyphosate, Select Max	9-May	7-Oct	84	84	84
Arlington: Conventional Herbicide	Mike Bertram	15	no-till	Silt Loam	6.8	4.3	72	288	2,4-D, glyphosate, Medal II, Sonic	Select Max	9-May	7-Oct	67	71	69
Clinton: Glyphosate Tolerant	Gary Sommers	15	no-till	Silt Loam	6.8	4.4	31	254	Outlook, Sharpen, Thunder Master	glyphosate, Select Max, Warrant	10-May	19-Oct	82	66	74
Fond du Lac: Glyphosate Tolerant	Ed Montsma	15	no-till	Silt Loam	7.2	4.1	61	262	Authority First, Dual II Magnum	glyphosate	6-May	7-Oct	78	--	78
Galesville: Glyphosate Tolerant	Ken Congdon	15	conventional	Silt Loam	5.8	3.9	54	282	glyphosate, Zidua Pro	glyphosate, Select Max, Warrant	5-May	6-Oct	81	69	75
Hancock: Glyphosate Tolerant	Paul Sytsma	15	conventional	Sand	5.7	0.6	114	117	Dual II Magnum	glyphosate, Select Max, Warrant	4-May	6-Oct	61	67	64
Marshfield: Glyphosate Tolerant (North Central)	Jason Cavadini	15	no-till	Silt Loam	6.9	4.3	30	168	Authority First, Dual II Magnum, glyphosate	glyphosate, Warrant	13-May	11-Oct	62	74	68
Marshfield: Glyphosate Tolerant (North)	Jason Cavadini	15	no-till	Silt Loam	6.9	4.3	30	168	Authority First, Dual II Magnum, glyphosate	glyphosate, Warrant	13-May	11-Oct	56	72	64
Menomonie: Glyphosate Tolerant	Tony Mellenthin, Jerry Clark	15	no-till	Sandy Loam	6.1	1.6	35	86	Authority First, Dual II Magnum, glyphosate	glyphosate, Select Max, Warrant	5-May	11-Oct	51	77	64
Menomonie: Conventional Herbicide	Tony Mellenthin, Jerry Clark	15	no-till	Sandy Loam	6.1	1.6	35	86	Authority First, Dual II Magnum, glyphosate	Raptor, Select Max	5-May	11-Oct	48	70	59
Platteville: Glyphosate Tolerant	Schweigert Family Farms	15	no-till	Silt Loam	6.8	3.5	81	185	Cloak, Gramoxone, Prefix	glyphosate, Select Max, Warrant	10-May	18-Oct	87	96	92
Platteville: Conventional Herbicide	Schweigert Family Farms	15	no-till	Silt Loam	6.8	3.5	81	185	Cloak, Gramoxone, Prefix	Raptor, Select Max, Warrant	10-May	18-Oct	81	91	86
Seymour: Glyphosate Tolerant	Mike Maass	15	conventional	Silt Loam	7.1	2.9	19	138	Dual II Magnum, Sonic	glyphosate, Warrant	12-May	10-Oct	80	74	77
Spooner: Glyphosate Tolerant (Dry Land)	Phil Holman	15	conventional	Silt Loam	6.2	2.6	38	144	--	clethodim, Dual II Magnum, glyphosate	27-May	10-Oct	56	55	56
Spooner: Glyphosate Tolerant (Irrigated)	Phil Holman	15	conventional	Sandy Loam	6.4	2.4	37	121	--	clethodim, Dual II Magnum, glyphosate	24-May	10-Oct	60	57	59

TABLE 2. 2022 Southern Region Glyphosate Tolerant Soybean Trial (1 of 4)

Brand	Entry	Herbicide Trait ¹	Maturity Group	Maturity Date ²	2022 3-Test Average		2022 Yields				2022 Composition ²		2021 3-Test Average		2021 Composition ²	
					Yield (bu/A)	Lodging (1-5)	Arlington (bu/A)	Clinton (bu/A)	Platteville (bu/A)	WM% ³	Protein (%)	Oil (%)	Yield (bu/A)	Lodging (1-5)	Protein (%)	Oil (%)
AgriGold	G2107E3	E3	2.1	24-Sep	85	1.8	82	85	89	8	34.0	18.9	--	--	--	--
AgriGold	G2108XF	XF	2.1	22-Sep	83	1.7	81	82	87	8	33.7	19.3	--	--	--	--
AgriGold	G2315XF	XF	2.3	24-Sep	*86	1.8	83	82	92	9	33.5	19.2	*85	1.2	34.1	19.5
AgriGold	G2361E3	E3	2.3	1-Oct	*88	1.9	84	84	*95	10	33.5	18.8	--	--	--	--
AgriGold	G2450XF	XF	2.4	1-Oct	84	2.3	86	*93	72	48	34.0	18.6	--	--	--	--
AgriGold	G2549E3	E3	2.5	1-Oct	*86	1.6	86	*92	81	28	32.7	19.3	--	--	--	--
AgriGold	G2622XF	XF	2.6	1-Oct	83	1.8	85	81	83	35	32.3	19.3	--	--	--	--
AgriGold	G2705E3	E3	2.7	1-Oct	*90	1.6	*95	84	91	12	31.9	19.9	--	--	--	--
AgriGold	G2820XF	XF	2.8	1-Oct	85	1.6	84	*90	83	19	34.0	18.8	--	--	--	--
Asgrow	AG20XF1	XF	2.0	21-Sep	73	1.4	70	69	82	4	33.6	18.7	82	1.0	34.2	19.4
Asgrow	AG22XF2	XF	2.2	20-Sep	82	1.3	78	78	89	23	33.8	19.7	--	--	--	--
Asgrow	AG24XF1	XF	2.4	24-Sep	82	1.1	82	68	*95	2	33.6	18.9	80	1.0	34.7	18.8
Asgrow	AG24XF3	XF	2.4	26-Sep	*88	1.3	82	*88	94	14	32.9	19.8	--	--	--	--
Asgrow	AG26XF1	XF	2.6	24-Sep	77	1.3	76	68	87	4	33.5	18.9	79	1.0	34.1	19.1
Asgrow	AG26XF3	XF	2.6	30-Sep	81	1.3	77	83	82	21	32.9	19.2	--	--	--	--
Burrus	2096E	E3	2.0	20-Sep	*86	1.4	81	83	*96	2	32.0	19.8	--	--	--	--
Burrus	2497E	E3	2.4	25-Sep	*86	1.9	86	*87	85	24	32.2	20.4	80	1.2	32.9	20.5
Burrus	2565E	E3	2.5	1-Oct	*87	1.3	83	*92	87	15	31.2	20.7	83	1.0	32.3	20.5
Burrus	2742E	E3	2.7	1-Oct	*88	1.6	*90	79	94	14	32.2	19.6	--	--	--	--
Cornelius	CB24XF27	XF	2.4	1-Oct	79	2.1	84	82	72	50	34.1	18.7	--	--	--	--
Cornelius	CB25XF99	XF	2.5	1-Oct	82	1.6	86	78	82	30	32.7	19.0	--	--	--	--
Cornelius	CB27XF34	XF	2.7	26-Sep	*89	1.3	84	79	*104	5	33.8	19.0	82	1.0	34.8	19.3
Cornelius	CB29XF35	XF	2.9	30-Sep	78	1.9	82	82	70	48	33.3	18.2	--	--	--	--
Dairyland	DSR-1919E	E3	1.9	19-Sep	82	1.7	83	74	90	3	31.7	20.4	--	--	--	--
Dairyland	DSR-2030E	E3	2.0	24-Sep	77	2.1	75	69	87	2	33.2	19.0	*84	1.0	33.5	19.6
Dairyland	DSR-2188E	E3	2.1	26-Sep	82	1.5	82	81	82	25	32.3	20.2	--	--	--	--

TABLE 2. CONTINUED. 2022 Southern Region Glyphosate Tolerant Soybean Trial (2 of 4)

Brand	Entry	Herbicide Trait ¹	Maturity Group	Maturity Date ²	2022 3-Test Average		2022 Yields				2022 Composition ²		2021 3-Test Average		2021 Composition ²	
					Yield (bu/A)	Lodging (1-5)	Arlington (bu/A)	Clinton (bu/A)	Platteville (bu/A)	WM% ³	Protein (%)	Oil (%)	Yield (bu/A)	Lodging (1-5)	Protein (%)	Oil (%)
Dairyland	DSR-2562E	E3	2.5	1-Oct	79	1.0	85	83	70	50	32.6	18.9	--	--	--	--
Dairyland	DSR-2717E	E3	2.7	1-Oct	*88	1.2	*91	85	88	21	32.0	20.0	--	--	--	--
DONMARIO	DM 24E23	E3	2.4	30-Sep	79	1.3	76	84	76	44	32.8	18.8	--	--	--	--
DONMARIO	DM 28E52	E3	2.8	1-Oct	*90	1.3	87	*88	*96	7	32.9	18.7	--	--	--	--
Dyna-Gro	S21EN81	E3	2.1	22-Sep	*92	1.4	88	*87	*100	8	31.8	20.1	*89	1.0	33.1	20.0
Dyna-Gro	S23ES32	E3	2.3	1-Oct	83	2.0	85	*86	76	33	31.3	20.6	82	1.1	32.9	20.5
Dyna-Gro	S24XF12	XF	2.4	1-Oct	78	1.7	80	76	79	8	32.5	19.2	--	--	--	--
Dyna-Gro	S25EN02	E3	2.5	1-Oct	85	1.2	81	85	89	7	30.9	20.8	82	1.0	32.4	20.6
Dyna-Gro	S26EN53	E3	2.6	1-Oct	83	1.8	84	79	87	5	33.0	19.4	--	--	--	--
Dyna-Gro	S28EN22	E3	2.8	1-Oct	79	1.3	86	78	74	33	33.2	18.8	*85	1.0	34.5	19.3
FS HiSOY	HS 16F10	XF	1.6	20-Sep	81	1.3	78	76	88	9	33.1	19.7	--	--	--	--
FS HiSOY	HS 18E00	E3	1.8	23-Sep	*87	1.3	82	84	94	5	33.0	19.3	--	--	--	--
FS HiSOY	HS 18F20	XF	1.8	22-Sep	78	1.6	82	76	75	40	32.1	19.9	--	--	--	--
FS HiSOY	HS 21F20	XF	2.1	26-Sep	*87	1.3	85	84	93	9	33.4	19.4	--	--	--	--
FS HiSOY	HS 23E10	E3	2.3	1-Oct	83	1.7	82	82	83	30	31.0	20.8	--	--	--	--
FS HiSOY	HS 24F00	XF	2.4	1-Oct	82	1.3	78	75	92	8	34.3	18.6	83	1.0	35.3	18.7
FS HiSOY	HS 25E00	E3	2.5	1-Oct	*87	2.3	*89	*93	79	45	31.7	20.8	*84	1.0	32.5	21.1
FS HiSOY	HS 25F10	XF	2.5	22-Sep	*86	1.3	79	80	*100	3	33.5	19.3	--	--	--	--
FS HiSOY	HS 28E10	E3	2.8	1-Oct	*89	1.1	*89	80	*98	5	32.8	19.0	--	--	--	--
FS HiSOY	HS 29F10	XF	2.9	1-Oct	80	1.8	87	77	76	15	34.8	18.2	--	--	--	--
Genesis	G2550E	E3	2.5	1-Oct	83	2.2	87	*91	71	60	32.3	20.4	*87	1.2	32.9	20.8
Genesis	G2570ES	E3	2.5	26-Sep	*87	1.8	86	*94	81	30	32.4	19.3	--	--	--	--
Genesis	G2960E	E3	2.9	1-Oct	*93	1.3	*89	*88	*103	2	32.9	19.0	82	1.0	33.6	19.3
Golden Harvest	GH2292E3 Brand	E3	2.2	26-Sep	84	1.5	81	77	*95	5	32.8	19.1	*84	1.0	33.4	19.8
Golden Harvest	GH2653XF Brand	XF	2.6	1-Oct	82	1.4	81	81	82	15	33.6	18.9	--	--	--	--
Golden Harvest	GH2722XF Brand	XF	2.7	1-Oct	82	1.8	82	84	80	29	33.5	19.2	--	--	--	--
Impact	28E256N	E3	2.8	1-Oct	*86	1.6	78	84	*95	1	32.8	19.0	82	1.0	33.7	19.4

TABLE 2. CONTINUED. 2022 Southern Region Glyphosate Tolerant Soybean Trial (3 of 4)

Brand	Entry	Herbicide Trait ¹	Maturity Group	Maturity Date ²	2022 3-Test Average		2022 Yields				2022 Composition ²		2021 3-Test Average		2021 Composition ²	
					Yield (bu/A)	Lodging (1-5)	Arlington (bu/A)	Clinton (bu/A)	Platteville (bu/A)	WM% ³	Protein (%)	Oil (%)	Yield (bu/A)	Lodging (1-5)	Protein (%)	Oil (%)
Jung	1244XF	XF	2.4	1-Oct	84	1.6	79	80	92	7	33.7	18.9	83	1.0	35.0	19.2
Jung	1254XF	XF	2.5	24-Sep	85	1.3	82	76	*98	2	33.0	19.2	79	1.0	33.9	19.4
Jung	1264XF	XF	2.6	21-Sep	82	1.3	76	75	*96	3	33.4	19.3	--	--	--	--
Legacy Seeds	LS184-21	XF	1.8	20-Sep	80	1.3	81	79	80	23	32.7	19.7	--	--	--	--
Legacy Seeds	LS204-22	XF	2.0	24-Sep	85	1.3	82	83	89	3	32.8	19.4	--	--	--	--
LG Seeds	LGS2348E3	E3	2.3	26-Sep	83	1.4	78	79	91	5	33.1	19.0	--	--	--	--
LG Seeds	LGS2577E3	E3	2.5	1-Oct	84	2.1	86	80	87	20	31.6	20.4	--	--	--	--
Loyal Brand	L2130E	E3	2.1	21-Sep	*90	1.3	85	*87	*98	2	31.8	20.3	*85	1.0	32.9	20.5
Loyal Brand	L2150E	E3	2.1	20-Sep	83	1.9	88	74	87	11	33.8	18.6	--	--	--	--
Loyal Brand	L2250E	E3	2.2	1-Oct	81	2.1	83	*88	73	39	33.1	19.0	--	--	--	--
Loyal Brand	L2550E	E3	2.5	1-Oct	85	1.8	85	*91	79	39	32.4	19.4	--	--	--	--
NK	NK13-Y4XF	XF	1.3	18-Sep	85	1.3	81	81	92	2	34.4	19.0	--	--	--	--
NK	NK18-J7E3	E3	1.8	20-Sep	*86	1.5	83	82	91	3	32.9	19.6	83	1.0	34.5	19.8
NK	NK19-D5XF	XF	1.9	20-Sep	85	1.4	78	85	92	5	34.3	19.6	--	--	--	--
NK	NK19-T8E3S	E3	1.9	20-Sep	*87	1.7	*89	77	*96	6	33.3	19.3	--	--	--	--
NK	NK20-B6E3	E3	2.0	24-Sep	80	1.4	73	76	91	19	31.9	20.0	--	--	--	--
NK	NK22-R2E3S	E3	2.2	18-Sep	76	1.4	77	72	78	17	31.0	20.6	--	--	--	--
NK	NK23-T9XF	XF	2.3	1-Oct	81	1.8	84	81	79	18	32.9	19.7	--	--	--	--
NK	NK24-A2E3S	E3	2.4	1-Oct	*87	1.8	*94	*86	81	18	32.9	19.1	--	--	--	--
NK	NK29-Z4E3	E3	2.9	1-Oct	78	1.3	81	73	80	25	33.1	19.0	--	--	--	--
O'Brien	O'SOY2153E	E3	2.1	20-Sep	81	1.9	74	78	91	5	34.6	18.7	--	--	--	--
O'Brien	O'SOY2421GT27LL	LLGT27	2.4	25-Sep	*88	1.4	86	84	94	9	31.9	19.5	81	1.0	32.6	20.1
P3 Genetics	2322E	E3	2.2	25-Sep	85	1.7	86	83	87	19	33.7	19.1	--	--	--	--
P3 Genetics	2223E	E3	2.3	1-Oct	85	1.7	83	83	89	11	31.2	20.6	--	--	--	--
P3 Genetics	2326E	E3	2.6	1-Oct	*87	1.4	88	85	87	17	32.2	19.7	--	--	--	--
P3 Genetics	2229E	E3	2.9	1-Oct	*88	1.4	87	79	*98	2	33.3	18.6	*88	1.0	34.0	19.3
Renk	RS253NXF	XF	2.5	1-Oct	84	1.7	88	*87	79	33	32.5	19.1	--	--	--	--

TABLE 2. CONTINUED. 2022 Southern Region Glyphosate Tolerant Soybean Trial (4 of 4)

Brand	Entry	Herbicide Trait ¹	Maturity Group	Maturity Date ²	2022 3-Test Average		2022 Yields				2022 Composition ²		2021 3-Test Average		2021 Composition ²	
					Yield (bu/A)	Lodging (1-5)	Arlington (bu/A)	Clinton (bu/A)	Platteville (bu/A)	WM% ³	Protein (%)	Oil (%)	Yield (bu/A)	Lodging (1-5)	Protein (%)	Oil (%)
Stine	19EC12	E3	1.9	23-Sep	*89	1.4	86	82	*99	3	31.7	20.1	*84	1.0	32.8	20.3
Stine	19EE62	E3	1.9	23-Sep	*88	1.4	*89	79	*96	7	31.7	20.0	--	--	--	--
Stine	25EB32	E3	2.5	26-Sep	84	1.4	82	*88	83	28	31.2	20.7	--	--	--	--
Stine	26EC32	E3	2.6	1-Oct	*94	1.4	*95	*88	*99	5	32.9	18.5	--	--	--	--
Stine	28EC32	E3	2.8	1-Oct	*90	1.4	*89	*86	*95	3	33.2	18.8	*88	1.0	33.2	19.6
Tracy	2153E	E3	2.1	22-Sep	80	1.8	81	74	86	14	34.0	18.6	--	--	--	--
Tracy	2752E	E3	2.7	1-Oct	80	1.6	80	77	83	13	31.9	19.8	--	--	--	--
Xitavo	X0 1971E	E3	1.9	22-Sep	85	1.3	82	83	90	3	32.9	19.3	--	--	--	--
Xitavo	X0 2181E	E3	2.1	1-Oct	*91	1.5	87	*87	*98	3	31.8	20.1	82	1.0	32.5	20.6
Xitavo	X0 2282E	E3	2.2	1-Oct	*88	1.3	*90	82	92	5	32.5	19.5	81	1.0	33.6	19.8
Xitavo	X0 2323E	E3	2.3	1-Oct	79	2.2	78	84	75	34	33.1	19.2	--	--	--	--
Xitavo	X0 2472E	E3	2.4	1-Oct	83	1.7	82	84	83	28	32.0	20.4	--	--	--	--
Xitavo	X0 2501E	E3	2.5	1-Oct	85	2.1	85	*89	80	45	31.8	20.5	83	1.0	32.6	21.1
Xitavo	X0 2613E	E3	2.6	1-Oct	*86	1.5	88	85	86	12	33.1	19.2	--	--	--	--
Xitavo	X0 2832E	E3	2.8	1-Oct	*93	1.5	*93	*88	*98	1	33.3	18.7	*87	1.0	33.9	19.4
Xitavo	X0 2963E	E3	2.9	1-Oct	85	2.0	*92	78	84	18	32.1	19.5	--	--	--	--
				Mean	84	1.6	84	82	87	16	32.8	19.4	82	1.0	33.7	19.8
				LSD (0.10)	8	NS	6	8	9	13	0.5	0.4	5	NS	0.6	0.3

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

¹ Herbicide Trait : XF = dicamba/glufosinate/glyphosate, E3 = glufosinate/glyphosate/2,4-D, LLGT27 = glufosinate/glyphosate/isoxaflutole

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

³ WM% = White mold expressed as percent diseased plants.

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

TABLE 3. 2022 Central Region Glyphosate Tolerant Soybean Trial (1 of 5)

Brand	Entry	Herbicide Trait ¹	Maturity Group	Maturity Date ²	2022 3-Test Average		2022 Yields			2022 Composition ²		2021 Yields ³		2021 Composition ²	
					Yield (bu/A)	Lodging (1-5)	Fond du Lac (bu/A)	Galesville (bu/A)	Hancock (bu/A)	Protein (%)	Oil (%)	Galesville (bu/A)	Hancock (bu/A)	Protein (%)	Oil (%)
AgriGold	G1449E3	E3	1.4	21-Sep	73	1.0	75	81	*65	30.1	21.4	--	--	--	--
AgriGold	G1490XF	XF	1.4	21-Sep	*77	1.0	76	*87	*66	33.2	19.9	71	*73	33.8	19.7
AgriGold	G1601E3	E3	1.6	21-Sep	*75	1.0	78	81	*67	31.5	20.8	--	--	--	--
AgriGold	G1857E3	E3	1.8	21-Sep	73	1.0	77	*87	54	32.6	20.6	72	62	34.4	20.4
AgriGold	G1902XF	XF	1.9	21-Sep	*74	1.0	*81	79	62	29.8	20.9	--	--	--	--
AgriGold	G2081E3	E3	2.0	21-Sep	71	1.0	75	*85	53	32.5	20.3	64	*70	33.5	20.1
AgriGold	G2095XF	XF	2.0	26-Sep	72	1.0	77	80	59	31.7	20.7	72	60	33.3	20.4
Apex	AE1930	E3	1.9	26-Sep	73	1.0	77	83	59	29.7	21.1	--	--	--	--
Apex	AE2220	E3	2.2	30-Sep	*74	1.1	79	*84	58	31.4	20.9	70	65	32.6	20.6
Asgrow	AG13XF3	XF	1.3	16-Sep	70	1.0	75	71	*63	31.9	20.0	--	--	--	--
Asgrow	AG15XF2	XF	1.5	21-Sep	*74	1.0	79	81	*63	30.2	20.6	71	*72	31.2	20.8
Asgrow	AG18XF1	XF	1.8	21-Sep	*76	1.0	*82	*84	*64	30.7	20.9	72	*79	32.5	20.7
Asgrow	AG19XF3	XF	1.9	30-Sep	73	1.0	*81	80	58	30.2	21.6	--	--	--	--
Asgrow	AG20XF1	XF	2.0	26-Sep	69	1.0	75	75	57	31.5	20.5	66	*68	33.3	19.9
Asgrow	AG21XF2	XF	2.1	21-Sep	*75	1.0	*81	81	*64	31.4	20.8	--	--	--	--
BioGene	BG9180E3	E3	1.8	21-Sep	73	1.0	*81	80	57	31.9	20.7	68	63	34.2	20.2
Credenz	CZ 1660GTLL	LLGT27	1.6	21-Sep	*75	1.0	*84	83	57	31.9	20.8	--	--	--	--
Dairyland	DSR-1505E	E3	1.5	26-Sep	*74	1.0	*86	82	55	33.8	19.5	--	--	--	--
Dairyland	DSR-1820E	E3	1.8	21-Sep	71	1.0	73	82	57	32.9	20.1	70	54	34.6	20.1
Dairyland	DSR-1919E	E3	1.9	21-Sep	72	1.0	74	83	59	30.0	21.5	--	--	--	--
Dairyland	DSR-2030E	E3	2.0	30-Sep	69	1.0	73	75	61	31.9	20.6	64	*68	33.2	20.0
Dairyland	DSR-2188E	E3	2.1	26-Sep	*75	1.0	78	*84	*64	31.0	21.1	--	--	--	--
Dyna-Gro	S18EN52	E3	1.8	21-Sep	70	1.0	76	82	50	31.9	20.9	73	*80	33.4	20.6

TABLE 3. CONTINUED. 2022 Central Region Glyphosate Tolerant Soybean Trial (2 of 5)

Brand	Entry	Herbicide Trait ¹	Maturity Group	Maturity Date ²	2022 3-Test Average		2022 Yields			2022 Composition ²		2021 Yields ³		2021 Composition ²	
					Yield (bu/A)	Lodging (1-5)	Fond du Lac (bu/A)	Galesville (bu/A)	Hancock (bu/A)	Protein (%)	Oil (%)	Galesville (bu/A)	Hancock (bu/A)	Protein (%)	Oil (%)
Dyna-Gro	S19XF62	XF	1.9	21-Sep	*75	1.0	*86	80	59	31.0	21.2	--	--	--	--
Dyna-Gro	S20EN92	E3	2.0	21-Sep	*80	1.0	*81	*89	*69	32.4	20.6	--	--	--	--
Dyna-Gro	S21EN81	E3	2.1	21-Sep	*78	1.0	*81	*91	61	29.0	21.6	*80	*69	32.3	20.8
Dyna-Gro	S23ES32	E3	2.3	30-Sep	*75	1.4	75	*85	*64	30.7	21.3	72	*77	32.6	21.0
FS HiSOY	HS 16F10	XF	1.6	21-Sep	70	1.0	76	76	58	32.2	20.0	--	--	--	--
FS HiSOY	HS 18E00	E3	1.8	21-Sep	*74	1.0	*81	*85	56	32.0	20.2	--	--	--	--
FS HiSOY	HS 18F20	XF	1.8	21-Sep	*75	1.0	79	*85	62	31.1	20.7	--	--	--	--
FS HiSOY	HS 21F20	XF	2.1	26-Sep	*79	1.0	*87	*85	*64	31.5	20.6	--	--	--	--
FS HiSOY	HS 23E10	E3	2.3	30-Sep	*76	1.2	*83	83	61	28.9	22.1	--	--	--	--
FS HiSOY	HS 24F00	XF	2.4	30-Sep	*80	1.0	*83	*89	*67	32.1	20.0	70	61	34.2	19.5
Genesis	G1760E	E3	1.7	21-Sep	70	1.1	75	77	57	30.4	21.2	--	--	--	--
Genesis	G1950E	E3	1.9	21-Sep	*74	1.0	*81	83	57	32.0	20.2	70	*71	34.1	19.4
Genesis	G1970E	E3	1.9	26-Sep	70	1.0	78	74	59	30.2	21.0	--	--	--	--
Genesis	G2150E	E3	2.1	21-Sep	68	1.0	70	80	53	30.1	21.2	74	*79	32.6	20.5
Genesis	G2270E	E3	2.2	30-Sep	*74	1.2	77	*85	62	31.2	20.6	--	--	--	--
Genesis	G2550E	E3	2.5	30-Sep	*79	1.5	78	*92	*68	29.8	22.0	--	--	--	--
Genesis	G2570ES	E3	2.5	26-Sep	*79	1.3	*82	*84	*71	30.7	20.7	--	--	--	--
Golden Harvest	GH2083E3 Brand	E3	2.0	21-Sep	72	1.0	76	*84	55	31.1	21.1	--	--	--	--
Golden Harvest	GH2102XF Brand	XF	2.1	26-Sep	*76	1.2	78	*85	*65	31.0	20.9	64	*70	32.5	21.1
Golden Harvest	GH2292E3 Brand	E3	2.2	26-Sep	*75	1.0	77	*84	*64	33.2	19.9	68	*70	34.4	19.8
Impact	20E343N	E3	2.0	26-Sep	72	1.0	76	80	59	29.4	21.3	--	--	--	--
Impact	21E162N	E3	2.1	21-Sep	*77	1.0	*81	*85	*67	30.3	21.1	--	--	--	--

TABLE 3. CONTINUED. 2022 Central Region Glyphosate Tolerant Soybean Trial (3 of 5)

Brand	Entry	Herbicide Trait ¹	Maturity Group	Maturity Date ²	2022 3-Test Average		2022 Yields			2022 Composition ²		2021 Yields ³		2021 Composition ²	
					Yield (bu/A)	Lodging (1-5)	Fond du Lac (bu/A)	Galesville (bu/A)	Hancock (bu/A)	Protein (%)	Oil (%)	Galesville (bu/A)	Hancock (bu/A)	Protein (%)	Oil (%)
Jung	1204XF	XF	2.0	21-Sep	68	1.0	75	70	58	32.4	21.1	--	--	--	--
Jung	1227XF	XF	2.2	30-Sep	68	1.0	66	*84	54	30.5	21.0	69	55	31.9	20.9
Jung	1233XF	XF	2.3	26-Sep	*79	1.0	*86	*88	62	31.5	20.3	--	--	--	--
Legacy Seeds	LS154-22	XF	1.5	21-Sep	*75	1.0	*80	81	*64	30.2	21.0	--	--	--	--
Legacy Seeds	LS174-20	XF	1.7	21-Sep	*74	1.0	*83	76	*64	30.9	20.5	70	*70	32.7	20.3
Legacy Seeds	LS184-21	XF	1.8	21-Sep	72	1.0	77	77	*63	30.4	21.2	75	67	31.9	21.2
Legacy Seeds	LS204-22	XF	2.0	21-Sep	71	1.0	74	75	*63	31.3	20.7	--	--	--	--
LG Seeds	LGS1911XF	XF	1.9	21-Sep	*75	1.0	77	78	*70	33.2	20.2	--	--	--	--
LG Seeds	LGS1939E3	E3	1.9	26-Sep	*77	1.0	*81	*84	*68	30.9	20.7	--	--	--	--
LG Seeds	LGS2025XF	XF	2.0	21-Sep	73	1.0	76	79	*63	32.5	20.4	71	67	33.4	20.2
Loyal Brand	L1540E	E3	1.5	16-Sep	*76	1.0	*81	*85	62	31.1	20.8	68	*77	32.9	20.5
Loyal Brand	L1730E	E3	1.7	21-Sep	71	1.0	73	*84	57	33.4	19.9	--	--	--	--
Loyal Brand	L1740E	E3	1.7	21-Sep	*75	1.0	*82	78	*65	31.4	20.8	62	*73	32.2	20.8
Loyal Brand	L1950E	E3	1.9	30-Sep	68	1.0	72	77	56	29.6	21.2	--	--	--	--
Loyal Brand	L2130E	E3	2.1	21-Sep	*75	1.0	*80	*86	59	30.1	21.2	*83	61	31.9	21.0
Loyal Brand	L2150E	E3	2.1	21-Sep	*75	1.1	*80	77	*68	32.9	19.9	--	--	--	--
Loyal Brand	L2250E	E3	2.2	30-Sep	*77	1.2	*82	*90	57	31.4	20.9	--	--	--	--
NK	NK06-D9E3	E3	0.6	13-Sep	64	1.0	65	71	55	30.9	20.8	--	--	--	--
NK	NK09-B5XF	XF	0.9	16-Sep	65	1.0	74	66	55	32.5	19.8	--	--	--	--
NK	NK09-H7E3	E3	0.9	13-Sep	71	1.0	76	78	59	32.3	20.1	--	--	--	--
NK	NK13-Y4XF	XF	1.3	21-Sep	*75	1.0	76	*85	*66	33.3	19.8	--	--	--	--
NK	NK14-W6E3	E3	1.4	16-Sep	72	1.0	77	77	*63	32.1	20.4	66	*75	34.0	20.0

TABLE 3. CONTINUED. 2022 Central Region Glyphosate Tolerant Soybean Trial (4 of 5)

Brand	Entry	Herbicide Trait ¹	Maturity Group	Maturity Date ²	2022 3-Test Average		2022 Yields			2022 Composition ²		2021 Yields ³		2021 Composition ²	
					Yield (bu/A)	Lodging (1-5)	Fond du Lac (bu/A)	Galesville (bu/A)	Hancock (bu/A)	Protein (%)	Oil (%)	Galesville (bu/A)	Hancock (bu/A)	Protein (%)	Oil (%)
NK	NK18-J7E3	E3	1.8	21-Sep	73	1.0	75	*84	60	31.8	20.8	67	59	33.9	20.6
NK	NK19-D5XF	XF	1.9	21-Sep	73	1.0	77	82	62	32.9	20.4	--	--	--	--
NK	NK19-T8E3S	E3	1.9	21-Sep	71	1.0	78	77	59	31.7	20.5	--	--	--	--
NK	NK20-B6E3	E3	2.0	21-Sep	71	1.0	71	82	59	31.2	20.7	--	--	--	--
NK	NK22-R2E3S	E3	2.2	21-Sep	71	1.0	69	81	*63	30.5	21.2	--	--	--	--
NK	NK23-T9XF	XF	2.3	30-Sep	70	1.2	68	79	*63	31.6	20.7	--	--	--	--
NK	NK24-A2E3S	E3	2.4	30-Sep	*79	1.2	*87	*87	*63	30.5	20.7	--	--	--	--
O'Brien	O'SOY1620GT27LL	LLGT27	1.6	21-Sep	70	1.0	*80	78	53	30.8	21.2	76	60	32.4	20.9
O'Brien	O'SOY2153E	E3	2.1	21-Sep	69	1.1	*84	64	57	32.5	20.2	--	--	--	--
Renk	RS183NXF	XF	1.8	21-Sep	69	1.0	70	77	60	30.7	20.9	--	--	--	--
Renk	RS233NXF	XF	2.3	21-Sep	*78	1.0	*83	*85	*65	32.1	20.4	--	--	--	--
Stine	16EC32	E3	1.6	21-Sep	65	1.0	70	77	47	32.5	20.4	73	61	34.1	20.0
Stine	19EC12	E3	1.9	21-Sep	*75	1.0	75	*91	57	30.0	21.1	72	67	32.7	20.7
Stine	19EC23	E3	1.9	21-Sep	73	1.0	72	*90	55	30.4	21.0	--	--	--	--
Stine	19EE62	E3	1.9	21-Sep	*79	1.1	*80	*88	*70	30.2	20.9	--	--	--	--
Tracy	1553E	E3	1.5	21-Sep	*75	1.0	79	*84	62	31.3	20.8	--	--	--	--
Tracy	1752E	E3	1.7	21-Sep	*76	1.3	78	80	*68	30.6	21.0	--	--	--	--
Tracy	1953E	E3	1.9	26-Sep	70	1.0	70	76	*64	29.8	20.9	--	--	--	--
Xitavo	XO 1212E	E3	1.2	21-Sep	73	1.0	*85	79	54	32.6	20.6	59	58	35.0	20.0
Xitavo	XO 1372E	E3	1.3	21-Sep	68	1.0	77	74	54	29.3	21.9	66	*76	32.0	21.1
Xitavo	XO 1451E	E3	1.4	21-Sep	*75	1.0	*80	79	*69	31.3	21.1	--	--	--	--
Xitavo	XO 1761E	E3	1.7	21-Sep	73	1.0	76	*84	58	32.8	20.3	75	55	35.0	19.7

TABLE 3. CONTINUED. 2022 Central Region Glyphosate Tolerant Soybean Trial (5 of 5)

Brand	Entry	Herbicide Trait ¹	Maturity Group	Maturity Date ²	2022 3-Test Average		2022 Yields			2022 Composition ²		2021 Yields ³		2021 Composition ²	
					Yield (bu/A)	Lodging (1-5)	Fond du Lac (bu/A)	Galesville (bu/A)	Hancock (bu/A)	Protein (%)	Oil (%)	Galesville (bu/A)	Hancock (bu/A)	Protein (%)	Oil (%)
Xitavo	XO 1822E	E3	1.8	21-Sep	72	1.0	69	82	*64	30.9	21.0	63	*74	31.9	20.8
Xitavo	XO 1971E	E3	1.9	21-Sep	*74	1.0	75	83	*65	32.5	19.8	--	--	--	--
Xitavo	XO 2181E	E3	2.1	21-Sep	71	1.0	76	80	58	29.9	21.2	77	67	32.3	20.7
Xitavo	XO 2282E	E3	2.2	30-Sep	*76	1.1	*81	*85	*63	31.4	20.8	73	*76	33.5	20.1
Xitavo	XO 2323E	E3	2.3	30-Sep	73	1.2	78	79	*63	31.2	20.8	--	--	--	--
Xitavo	XO 2472E	E3	2.4	30-Sep	*78	1.1	*83	*86	*66	30.3	21.6	--	--	--	--
Mean				22-Sep	73	1.0	78	81	61	31.3	20.8	69	67	34.0	19.6
LSD (0.10)				--	6	NS	7	8	8	0.9	0.4	7	12	0.7	0.3

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

¹ Herbicide Trait : XF = dicamba/glufosinate/glyphosate, E3 = glufosinate/glyphosate/2,4-D, LLGT27 = glufosinate/glyphosate/isoxaflutole

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

³ The 2021 Fond du Lac site was lost to a May 29th killing frost. The 2021 multi-test yield column is not presented because yields at the Hancock site were highly variable due to undetermined field variation.

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

TABLE 4. 2022 North Central Region Glyphosate Tolerant Soybean Trial (1 of 3)

Brand	Entry	Herbicide Trait ¹	Maturity Group	Maturity Date ²	2022 3-Test Average		2022 Yields			2022 Composition ²		2021 3-Test Average		2021 Composition ²	
					Yield (bu/A)	Lodging (1-5)	Marshfield (bu/A)	Menomonie (bu/A)	Seymour (bu/A)	Protein (%)	Oil (%)	Yield (bu/A)	Lodging (1-5)	Protein (%)	Oil (%)
AgriGold	G1449E3	E3	1.4	27-Sep	*66	1.0	63	50	*83	31.3	20.1	--	--	--	--
AgriGold	G1490XF	XF	1.4	23-Sep	*67	1.0	*66	53	81	33.1	19.3	--	--	--	--
AgriGold	G1601E3	E3	1.6	27-Sep	*70	1.0	*68	*58	*85	32.9	19.7	--	--	--	--
Apex	AE1220	E3	1.2	23-Sep	*67	1.0	*65	54	81	34.3	19.2	--	--	--	--
Apex	AE1410	E3	1.4	23-Sep	*68	1.0	62	*62	78	32.2	20.2	77	1.8	35.3	18.8
Apex	AE1710	E3	1.7	27-Sep	*68	1.0	62	*62	80	32.6	19.5	75	1.6	35.8	17.7
Apex	AE1930	E3	1.9	27-Sep	65	1.0	*66	46	*82	31.6	19.9	--	--	--	--
Asgrow	AG11XF2	XF	1.1	16-Sep	57	1.0	48	48	75	33.2	19.5	--	--	--	--
Asgrow	AG13XF3	XF	1.3	19-Sep	64	1.0	56	*60	77	32.9	19.0	--	--	--	--
Asgrow	AG15XF2	XF	1.5	27-Sep	*68	1.0	*68	51	*86	32.1	19.4	77	2.2	33.7	18.6
Asgrow	AG18XF1	XF	1.8	27-Sep	*67	1.0	*66	*56	78	31.8	19.9	--	--	--	--
BioGene	BG9150E3	E3	1.5	23-Sep	65	1.0	60	51	*83	31.8	20.0	71	1.8	35.5	18.3
Credenz	CZ 1660GTLL	LLGT27	1.6	23-Sep	*67	1.0	64	50	*87	32.6	20.0	--	--	--	--
Dairyland	DSR-0757E	E3	0.7	19-Sep	53	1.0	51	42	66	31.2	20.2	--	--	--	--
Dairyland	DSR-0847E	E3	0.8	23-Sep	56	1.0	57	40	72	33.1	19.7	74	1.9	34.9	18.7
Dairyland	DSR-0920E	E3	0.9	23-Sep	63	1.0	58	46	*84	33.9	18.9	68	1.9	36.9	17.5
Dairyland	DSR-1121E	E3	1.1	23-Sep	53	1.0	52	36	69	31.8	20.7	--	--	--	--
Dairyland	DSR-1290E	E3	1.2	19-Sep	63	1.0	58	49	81	31.0	20.6	76	2.5	34.1	19.1
Dairyland	DSR-1450E	E3	1.4	23-Sep	65	1.0	62	54	79	31.9	20.4	*81	2.1	34.0	19.1
Dairyland	DSR-1505E	E3	1.5	19-Sep	*68	1.0	63	*59	*83	34.2	18.8	--	--	--	--
Dairyland	DSR-1820E	E3	1.8	27-Sep	*67	1.0	*66	*55	79	32.9	19.6	--	--	--	--
Dairyland	DSR-2030E	E3	2.0	27-Sep	63	1.0	63	45	81	32.0	19.7	--	--	--	--
Dyna-Gro	S14XF43	XF	1.4	23-Sep	*66	1.0	62	*55	*82	32.9	19.0	--	--	--	--
Dyna-Gro	S16EN42	E3	1.6	27-Sep	*70	1.0	64	*59	*85	32.3	19.7	--	--	--	--
Dyna-Gro	S17XF02	XF	1.7	23-Sep	62	1.0	58	49	80	32.8	19.4	*79	1.5	35.9	17.7
Genesis	G1260E	E3	1.2	23-Sep	*67	1.0	63	*58	79	34.5	19.1	--	--	--	--
Genesis	G1560E	E3	1.5	23-Sep	*69	1.0	*65	*55	*87	32.7	19.7	72	1.9	35.0	18.6

TABLE 4. CONTINUED. 2022 North Central Region Glyphosate Tolerant Soybean Trial (2 of 3)

Brand	Entry	Herbicide Trait ¹	Maturity Group	Maturity Date ²	2022 3-Test Average		2022 Yields			2022 Composition ²		2021 3-Test Average		2021 Composition ²	
					Yield (bu/A)	Lodging (1-5)	Marshfield (bu/A)	Menomonie (bu/A)	Seymour (bu/A)	Protein (%)	Oil (%)	Yield (bu/A)	Lodging (1-5)	Protein (%)	Oil (%)
Genesis	G1760E	E3	1.7	27-Sep	65	1.0	*68	47	81	32.1	20.0	69	2.1	34.6	18.7
Golden Harvest	GH1323XF Brand	XF	1.3	23-Sep	61	1.0	57	50	77	33.8	19.0	--	--	--	--
Golden Harvest	GH1472E3 Brand	E3	1.4	23-Sep	65	1.0	63	49	*82	33.4	19.6	--	--	--	--
Golden Harvest	GH1762XF Brand	XF	1.7	23-Sep	65	1.0	*66	53	78	33.1	19.4	--	--	--	--
Golden Harvest	GH1802E3 Brand	E3	1.8	23-Sep	*66	1.0	61	54	*85	32.8	19.8	*83	1.7	36.5	18.2
Impact	12E157N	E3	1.2	19-Sep	60	1.0	54	54	73	30.7	20.8	--	--	--	--
Impact	17E335N	E3	1.7	27-Sep	*67	1.0	63	*57	81	32.5	19.6	--	--	--	--
Jung	1113XF	XF	1.1	23-Sep	57	1.0	55	46	70	33.0	19.5	--	--	--	--
Jung	1161R2X	RR2X	1.6	27-Sep	64	1.0	*68	49	76	32.3	20.0	69	1.4	35.7	18.3
Jung	1184XF	XF	1.8	27-Sep	65	1.0	62	52	*82	31.8	19.5	--	--	--	--
Legacy Seeds	LS134-22	XF	1.3	23-Sep	60	1.0	61	41	76	33.0	19.6	--	--	--	--
Legacy Seeds	LS154-22	XF	1.5	23-Sep	64	1.0	60	54	77	31.5	20.0	--	--	--	--
Legacy Seeds	LS174-20	XF	1.7	27-Sep	*67	1.0	*68	52	80	32.3	19.5	77	1.8	34.9	18.3
Legacy Seeds	LS184-21	XF	1.8	27-Sep	65	1.0	64	45	*85	31.8	20.0	*80	2.0	34.5	18.3
LG Seeds	LGS1585XF	XF	1.5	23-Sep	*66	1.0	*65	53	80	33.2	19.1	--	--	--	--
LG Seeds	LGS1660E3	E3	1.6	27-Sep	*70	1.0	*69	*57	*85	32.7	19.8	--	--	--	--
LG Seeds	LGS1701E3	E3	1.7	27-Sep	64	1.0	63	52	76	31.8	20.2	--	--	--	--
Loyal Brand	L1050E	E3	1.0	23-Sep	63	1.0	*68	49	72	32.5	19.1	--	--	--	--
Loyal Brand	L1230E	E3	1.2	23-Sep	64	1.0	60	47	*84	31.0	20.6	*81	2.3	33.5	19.4
Loyal Brand	L1540E	E3	1.5	19-Sep	*70	1.0	*66	*59	*84	32.5	19.9	76	1.8	35.6	18.4
Loyal Brand	L1730E	E3	1.7	27-Sep	*67	1.0	64	*61	76	32.1	19.7	--	--	--	--
Loyal Brand	L1740E	E3	1.7	23-Sep	*71	1.0	*70	54	*88	32.6	19.8	73	2.5	35.4	18.4
Loyal Brand	L1950E	E3	1.9	27-Sep	64	1.0	64	48	81	31.3	20.2	--	--	--	--
NK	NK06-D9E3	E3	0.6	16-Sep	53	1.0	54	33	71	33.8	19.4	--	--	--	--
NK	NK06-P2XF	XF	0.6	19-Sep	59	1.0	50	*55	72	32.4	20.0	--	--	--	--
NK	NK09-B5XF	XF	0.9	19-Sep	61	1.0	62	45	75	33.6	19.0	--	--	--	--
NK	NK09-H7E3	E3	0.9	19-Sep	59	1.0	54	48	76	32.4	19.4	--	--	--	--

TABLE 4. CONTINUED. 2022 North Central Region Glyphosate Tolerant Soybean Trial (3 of 3)

Brand	Entry	Herbicide Trait ¹	Maturity Group	Maturity Date ²	2022 3-Test Average		2022 Yields			2022 Composition ²		2021 3-Test Average		2021 Composition ²	
					Yield (bu/A)	Lodging (1-5)	Marshfield (bu/A)	Menomonie (bu/A)	Seymour (bu/A)	Protein (%)	Oil (%)	Yield (bu/A)	Lodging (1-5)	Protein (%)	Oil (%)
NK	NK13-Y4XF	XF	1.3	23-Sep	62	1.0	60	49	76	33.8	19.1	--	--	--	--
NK	NK14-W6E3	E3	1.4	19-Sep	*67	1.0	62	*56	*83	33.3	19.6	*82	1.8	34.5	18.8
NK	NK18-J7E3	E3	1.8	23-Sep	*67	1.0	64	*56	*82	32.6	19.9	*85	1.8	35.9	18.3
O'Brien	O'SOY1620GT27LL	LLGT27	1.6	27-Sep	63	1.0	57	48	*83	32.7	20.0	72	1.4	34.6	18.8
ProHarvest	0985CR2Y	RR2Y	0.9	19-Sep	54	1.0	56	38	67	32.9	19.9	--	--	--	--
ProHarvest	1638X	RR2X	1.6	23-Sep	61	1.0	61	45	76	33.5	19.7	*78	1.9	37.1	17.9
Renk	RS153NXF	XF	1.5	27-Sep	*66	1.0	64	51	*84	31.5	20.0	--	--	--	--
Renk	RS183NXF	XF	1.8	27-Sep	*67	1.0	*69	50	*82	31.6	20.1	--	--	--	--
Stine	11EC02	E3	1.1	19-Sep	*68	1.0	61	*60	*83	31.2	20.6	*79	2.2	33.8	19.1
Stine	14EE12	E3	1.4	27-Sep	*66	1.0	64	53	*82	31.2	20.4	--	--	--	--
Stine	16EC32	E3	1.6	27-Sep	62	1.0	59	51	76	32.3	19.7	76	1.8	36.2	17.5
Stine	17EE32	E3	1.7	27-Sep	*71	1.0	*71	*56	*86	32.4	19.8	--	--	--	--
Xitavo	XO 0731E	E3	0.7	19-Sep	62	1.0	60	52	75	33.8	19.4	76	1.7	36.3	18.2
Xitavo	XO 0993E	E3	0.9	19-Sep	59	1.0	51	51	74	32.3	20.2	--	--	--	--
Xitavo	XO 1041E	E3	1.0	19-Sep	58	1.0	52	49	75	34.6	18.5	--	--	--	--
Xitavo	XO 1212E	E3	1.2	23-Sep	62	1.0	63	48	75	34.4	19.0	76	1.8	37.2	17.7
Xitavo	XO 1372E	E3	1.3	23-Sep	65	1.0	64	44	*86	31.8	20.4	*86	2.2	34.2	18.9
Xitavo	XO 1451E	E3	1.4	27-Sep	*67	1.0	60	*61	81	32.0	20.2	--	--	--	--
Xitavo	XO 1632E	E3	1.6	27-Sep	*71	1.0	*67	*60	*85	32.8	19.7	*79	1.8	35.5	18.6
Xitavo	XO 1761E	E3	1.7	27-Sep	*67	1.0	*65	53	*82	32.8	19.4	--	--	--	--
Xitavo	XO 1822E	E3	1.8	27-Sep	*70	1.0	*72	52	*86	32.0	19.8	--	--	--	--
Mean				23-Sep	64	1.0	62	51	80	32.5	19.7	75	1.9	35.3	18.2
LSD (0.10)				--	5	--	7	7	6	0.5	0.2	8	0.7	0.6	0.4

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

¹ Herbicide Trait : RR2Y = glyphosate, RR2X = dicamba/glyphosate, XF = dicamba/glufosinate/glyphosate, E3 = glufosinate/glyphosate/2,4-D, LLGT27 = glufosinate/glyphosate/isoxaflutole

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

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

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

Brand	Entry	Herbicide Trait ¹	Maturity Group	2022 3-Test Average			2022 Yields			2022 Composition ²		2021 3-Test Average		2021 Composition ²	
				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 (%)
Apex	AE0720	E3	0.7	24-Sep	60	1.0	60	*58	62	33.5	19.0	56	1.0	35.0	18.1
Apex	AE1220	E3	1.2	28-Sep	*61	1.0	*65	*56	62	34.4	19.1	--	--	--	--
Asgrow	AG07XF2	XF	0.7	24-Sep	59	1.0	56	*58	62	33.1	19.8	--	--	--	--
Asgrow	AG09XF3	XF	0.9	26-Sep	58	1.0	55	*59	59	31.7	19.2	--	--	--	--
BioGene	BG9100E3	E3	1.0	26-Sep	57	1.0	54	*56	61	34.4	18.9	56	1.0	36.4	17.7
Dairyland	DSR-0660E	E3	0.6	23-Sep	55	1.0	54	53	57	32.6	19.3	53	1.2	34.5	18.3
Dairyland	DSR-0757E	E3	0.7	26-Sep	56	1.0	50	*56	*64	30.8	20.3	--	--	--	--
Dairyland	DSR-0847E	E3	0.8	27-Sep	57	1.0	53	*56	62	33.0	19.7	59	1.3	35.1	18.5
Dairyland	DSR-0920E	E3	0.9	26-Sep	59	1.0	59	*58	59	34.1	19.1	58	1.0	36.4	17.5
Dairyland	DSR-1121E	E3	1.1	28-Sep	54	1.0	58	50	52	30.8	20.9	--	--	--	--
Genesis	G0570E	E3	0.5	24-Sep	52	1.0	49	50	56	34.1	19.5	--	--	--	--
Genesis	G1070E	E3	1.0	28-Sep	56	1.0	59	50	60	32.8	19.2	--	--	--	--
Golden Harvest	GH0933E3 Brand	E3	0.9	26-Sep	56	1.0	53	*57	58	32.7	19.4	--	--	--	--
Impact	09E345N	E3	0.9	24-Sep	57	1.0	54	*59	59	32.9	19.9	--	--	--	--
Jung	1063XF	XF	0.6	23-Sep	51	1.0	51	50	52	33.8	18.7	48	1.0	35.1	17.9
Jung	1072R2X	RR2X	0.7	22-Sep	58	1.0	55	*57	61	32.1	19.6	60	1.4	33.4	18.6
Jung	1104XF	XF	1.0	28-Sep	58	1.0	58	*59	58	33.7	19.8	58	1.1	35.4	18.1
Legacy Seeds	LS084-22	XF	0.8	25-Sep	59	1.0	56	*58	62	32.0	19.9	--	--	--	--
Legacy Seeds	LS124-21	XF	1.2	28-Sep	*62	1.0	*62	*61	*63	32.7	19.5	57	1.1	34.7	18.3
Legacy Seeds	LS134-22	XF	1.3	27-Sep	58	1.0	53	*60	60	32.7	19.9	--	--	--	--
LG Seeds	LGS0988XF	XF	0.9	24-Sep	*61	1.0	*61	55	*68	33.0	19.2	--	--	--	--
LG Seeds	LGS1203E3	E3	1.2	28-Sep	*62	1.0	*62	*61	*64	34.3	19.3	63	1.1	37.3	17.6
LG Seeds	LGS1385XF	XF	1.3	28-Sep	*61	1.0	59	*60	*65	33.5	19.2	--	--	--	--

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

Brand	Entry	Herbicide Trait ¹	Maturity Group	2022 3-Test Average			2022 Yields			2022 Composition ²		2021 3-Test Average		2021 Composition ²	
				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 (%)
Loyal Brand	L0950E	E3	0.9	24-Sep	57	1.0	54	*58	59	33.0	19.9	--	--	--	--
Loyal Brand	L1050E	E3	1.0	28-Sep	59	1.0	*62	54	61	33.0	19.1	--	--	--	--
Loyal Brand	L1230E	E3	1.2	27-Sep	*61	1.0	58	*63	61	30.5	20.9	*72	1.3	33.8	19.1
NK	NK03-V5E3	E3	0.3	19-Sep	56	1.0	54	53	60	34.4	18.8	--	--	--	--
NK	NK06-D9E3	E3	0.6	23-Sep	55	1.0	53	*58	54	33.6	19.5	--	--	--	--
NK	NK06-P2XF	XF	0.6	19-Sep	51	1.0	48	49	58	33.1	19.9	--	--	--	--
NK	NK08-V9E3	E3	0.8	23-Sep	58	1.0	*62	46	*64	32.9	19.2	59	1.0	35.3	17.8
NK	NK09-B5XF	XF	0.9	24-Sep	55	1.0	54	54	58	33.8	19.0	--	--	--	--
NK	NK09-H7E3	E3	0.9	26-Sep	57	1.0	54	*59	58	32.5	19.4	--	--	--	--
ProHarvest	0985CR2Y	RR2Y	0.9	24-Sep	*61	1.0	59	*59	*63	32.9	20.0	*72	1.0	35.0	18.8
Renk	RS093NXF	XF	0.9	24-Sep	57	1.0	58	54	58	31.8	20.0	--	--	--	--
Stine	08EC02	E3	0.8	24-Sep	59	1.0	57	*59	61	33.3	19.0	--	--	--	--
Stine	09EA02	E3	0.9	27-Sep	55	1.0	52	55	57	34.2	19.1	59	1.2	36.3	17.6
Stine	11EC02	E3	1.1	27-Sep	*65	1.0	*66	*60	*68	30.9	20.6	*70	1.2	32.9	19.5
Xitavo	X0 0573E	E3	0.5	23-Sep	55	1.0	50	51	*63	33.7	19.5	--	--	--	--
Xitavo	X0 0731E	E3	0.7	25-Sep	59	1.0	53	*61	61	34.0	19.3	*66	1.0	35.2	18.6
Xitavo	X0 0993E	E3	0.9	24-Sep	58	1.0	55	*59	62	32.4	20.0	--	--	--	--
Mean				25-Sep	58	1.0	56	56	60	33.0	19.5	61	1.2	35.1	18.2
LSD (0.10)				2	4	--	5	7	5	0.5	0.2	7	NS	0.7	0.4

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

¹ Herbicide Trait : RR2Y = glyphosate, RR2X = dicamba/glyphosate, XF = dicamba/glufosinate/glyphosate, E3 = glufosinate/glyphosate/2,4-D, LLGT27 = glufosinate/glyphosate/isoxaflutole

² Protein and oil determined at the Marshfield site.

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

TABLE 6. 2022 Southern Conventional Soybean Trial (1 of 2)

Brand	Entry	Herbicide Trait ¹	Maturity Group	Maturity Date ²	2022 2-Test Average		2022 Yields			2022 Composition ²		2021 2-Test Average		2021 Composition ²	
					Yield (bu/A)	Lodging (1-5)	Arlington (bu/A)	Platteville (bu/A)	WM% ³	Protein (%)	Oil (%)	Yield (bu/A)	Lodging (1-5)	Protein (%)	Oil (%)
AgriGold	G2002	CN	2.0	20-Sep	*92	1.1	*82	*101	1	32.1	20.5	--	--	--	--
AgriGold	G2304	CN	2.3	23-Sep	78	1.5	75	82	9	32.2	20.3	--	--	--	--
AgriGold	G2802	CN	2.8	1-Oct	*87	1.6	75	*98	2	32.2	19.3	--	--	--	--
AgriGold	G3104	CN	3.1	1-Oct	78	2.3	74	82	2	33.5	19.7	--	--	--	--
Legacy Seeds	LS187-21C	CN	1.8	22-Sep	71	2.4	68	75	17	34.9	18.5	83	1.0	35.6	18.6
Legacy Seeds	LS203-22C	CN	2.0	17-Sep	*85	1.3	73	*98	1	31.9	20.7	--	--	--	--
Legacy Seeds	LS231-21C	CN	2.3	20-Sep	*79	1.4	74	84	23	31.8	19.7	86	1.0	33.7	19.2
Legacy Seeds	LS260-21C	CN	2.6	26-Sep	72	2.4	75	70	32	31.5	20.6	*87	1.0	33.7	20.3
Legacy Seeds	LS262-21C	CN	2.6	21-Sep	67	2.3	65	69	18	37.8	17.9	--	--	--	--
Public	MN1410	CN	1.4	12-Sep	67	2.4	53	81	2	34.7	19.6	69	1.5	36.0	19.8
Public	W16-5282B	CN	2.6	24-Sep	68	1.8	68	67	9	34.9	19.1	--	--	--	--
Public	W19-11321 ⁴	CN	2.8	24-Sep	56	2.9	55	56	4	--	--	--	--	--	--
Public	W19-1190	CN	2.5	23-Sep	62	1.8	55	68	2	34.3	18.6	--	--	--	--
Public	W19-1191d	CN	2.5	30-Sep	57	2.0	50	65	3	34.3	18.7	--	--	--	--
Public	W19-1191g	CN	2.5	24-Sep	62	2.0	53	72	2	34.2	18.7	--	--	--	--
Public	W19-2484	CN	1.5	15-Sep	60	2.1	52	68	2	35.4	18.6	--	--	--	--
SB&B	SB1270	CN	1.2	15-Sep	70	2.1	64	77	1	33.9	19.8	71	1.3	34.8	20.0
SB&B	SB712	CN	1.2	12-Sep	71	1.8	61	80	2	36.5	18.7	72	1.3	37.9	18.8
SB&B	SB19	CN	1.5	12-Sep	65	2.4	52	77	6	33.8	19.2	74	1.3	35.0	19.4
Sevita	Alinova	CN	1.5	15-Sep	72	1.3	66	78	1	35.2	20.1	--	--	--	--
Sevita	Candor	CN	1.9	14-Sep	69	1.9	54	84	1	36.8	18.6	78	1.5	38.6	18.0
Sevita	Rowan	CN	2.0	19-Sep	73	1.4	69	78	6	34.2	18.8	--	--	--	--
Viking	0.1718N	CN	1.7	15-Sep	*84	1.3	75	92	3	32.8	19.9	--	--	--	--
Viking	2022N	CN	2.0	18-Sep	*88	1.5	70	*105	1	32.2	20.5	--	--	--	--
Viking	2155N	CN	2.1	26-Sep	*82	2.3	70	94	4	33.3	18.2	*88	1.0	35.2	18.2
Viking	0.2244AT	CN	2.2	16-Sep	69	1.8	66	71	8	34.3	19.9	78	1.0	35.8	19.6

TABLE 6. CONTINUED. 2022 Southern Conventional Soybean Trial (2 of 2)

					2022 2-Test Average		2022 Yields			2022 Composition ²		2021 2-Test Average		2021 Composition ²	
Brand	Entry	Herbicide Trait ¹	Maturity Group	Maturity Date ²	Yield (bu/A)	Lodging (1-5)	Arlington (bu/A)	Platteville (bu/A)	WM% ³	Protein (%)	Oil (%)	Yield (bu/A)	Lodging (1-5)	Protein (%)	Oil (%)
Viking	2340KN	CN	2.3	19-Sep	76	1.5	66	87	4	32.4	20.1	*87	1.0	33.2	20.2
Viking	2418N	CN	2.4	23-Sep	77	1.8	67	86	5	32.4	19.0	*89	1.0	34.5	18.8
Viking	0.2702	CN	2.7	30-Sep	70	2.6	71	69	39	34.0	19.9	82	1.1	35.6	19.6
Virtue	V1821	CN	1.8	18-Sep	78	1.3	69	86	1	33.5	19.2	--	--	--	--
Virtue	V2122	CN	2.1	18-Sep	75	1.8	68	83	4	32.7	20.5	--	--	--	--
Virtue	V2423	CN	2.4	20-Sep	*80	1.9	76	83	9	32.5	19.9	--	--	--	--
Check	11953	E3	2.1	18-Sep	*88	1.6	*85	92	6	31.9	20.5	*90	1.0	33.1	20.2
Check	11912	E3	2.5	1-Oct	75	3.0	*82	68	59	31.6	21.0	--	--	--	--
Check	12178	E3	2.8	1-Oct	*89	1.9	*82	96	1	33.1	19.3	--	--	--	--
Mean				20-Sep	74	1.9	67	81	8	33.6	19.5	81	1.1	35.1	19.3
LSD (0.10)				--	13	NS	7	8	11	0.6	0.4	5	NS	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, XF = dicamba/glufosinate/glyphosate, E3 = glufosinate/glyphosate/2,4-D

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

³ WM% = White mold expressed as percent diseased plants.

⁴ This variety has a black seed coat, therefore we were unable to determine protein and oil content with our NIR.

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

TABLE 7. 2022 North Central Conventional Soybean Trial

Brand	Entry	Herbicide Trait ¹	Maturity Group	2022 Menomonie					2021 Menomonie			
				Maturity Date	Yield (bu/A)	Lodging (1-5)	Protein (%)	Oil (%)	Yield (bu/A)	Lodging (1-5)	Protein (%)	Oil (%)
AgriGold	G1602	CN	1.6	21-Sep	*55	1.0	30.5	20.2	--	--	--	--
Legacy Seeds	LS121-22C	CN	1.2	23-Sep	*53	1.0	29.1	21.0	--	--	--	--
Legacy Seeds	LS151-21C	CN	1.5	25-Sep	*50	1.0	30.2	20.4	*74	3.0	33.5	18.8
Legacy Seeds	LS187-21C	CN	1.8	28-Sep	*52	1.0	31.7	19.8	73	4.3	35.8	17.8
Legacy Seeds	LS203-22C	CN	2.0	28-Sep	*56	1.0	29.8	21.2	--	--	--	--
Public	MN1410	CN	1.4	18-Sep	45	1.0	31.7	21.0	68	3.8	35.5	19.2
SB&B	SB700	CN	0.7	10-Sep	36	1.0	34.5	19.7	61	3.5	36.9	18.2
SB&B	SB1270	CN	1.2	23-Sep	45	1.0	32.0	20.6	67	4.8	35.3	18.8
SB&B	SB712	CN	1.2	9-Sep	44	1.0	34.0	20.0	70	3.5	36.8	18.1
SB&B	SB19	CN	1.5	16-Sep	49	1.0	31.7	19.9	62	4.3	34.9	18.3
SB&B	SB49	CN	0.4	8-Sep	35	1.0	35.1	19.5	--	--	--	--
Sevita	Finch	CN	0.9	11-Sep	44	1.0	34.5	20.0	--	--	--	--
Sevita	Odessa	CN	1.1	18-Sep	42	1.0	34.8	19.7	--	--	--	--
Sevita	Skyline	CN	1.1	21-Sep	46	1.0	34.0	20.3	64	5.0	37.2	18.8
Sevita	Barton	CN	1.4	18-Sep	45	1.0	31.9	20.5	--	--	--	--
Sevita	Alinova	CN	1.5	21-Sep	47	1.0	33.0	20.9	--	--	--	--
Viking	0821N	CN	0.8	20-Sep	47	1.0	31.0	20.7	*75	4.0	35.5	18.4
Viking	1223N	CN	1.2	18-Sep	*50	1.0	29.0	21.0	--	--	--	--
Viking	0.1202N	CN	1.2	20-Sep	49	1.0	33.9	19.2	71	4.3	35.9	18.0
Viking	1518N	CN	1.5	21-Sep	*50	1.0	31.4	20.1	*74	3.5	36.0	18.0
Viking	0.1718N	CN	1.7	23-Sep	*58	1.0	30.2	20.6	73	3.8	33.7	19.3
Check	12040	E3	1.3	23-Sep	48	1.0	30.0	21.5	--	--	--	--
Check	12153	XF	1.7	26-Sep	47	1.0	32.0	20.1	--	--	--	--
Check	12005	E3	1.8	18-Sep	*58	1.0	32.4	20.3	--	--	--	--
Mean				19-Sep	48	1.0	32.0	20.3	70	3.6	35.6	18.4
LSD (0.10)				--	8	--	1.2	0.5	11	1.0	1.2	0.4

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

¹ Herbicide Trait : CN = conventional, XF = dicamba/glufosinate/glyphosate, E3 = glufosinate/glyphosate/2,4-D

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

TABLE 8.
2022 Seed Source for
Soybean Entries

Brand	Company	Phone Number	Website
AgriGold	AgriGold Hybrids	(317) 691-4347	www.agrigold.com
Apex	Brunner Seed Inc.	(715) 672-5887	www.brunnerseed.com
Asgrow	Bayer Crop Science	(715) 495-7246	www.agseedselect.com
BioGene	Van Treeck's Seed Farm	(920) 467-2422	www.biogeneseeds.com
Burrus	Burrus Bros & Associated Growers	(815) 482-1257	burrusseed.com
Cornelius	Cornelius Seed	(563) 672-3463	www.corneliusseed.com
Credenz	BASF	(309) 212-5454	credenz.us
Dairyland	Dairyland Seed	(217) 972-9839	www.dairylandseed.com
DONMARIO	Burrus Bros & Associated Growers	(815) 482-1257	burrusseed.com
Dyna-Gro	Dyna-Gro Seed	(608) 248-6226	www.dynagroseed.com
FS HiSOY	GROWMARK, Inc.	(309) 838-8574	www.fsseed.com
Genesis	MS Technologies	(608) 513-0293	www.renkseed.com
Golden Harvest	Golden Harvest	(920) 889-5509	www.goldenharvestseeds.com
Impact	Legend Seeds Inc.	(608) 843-0523	www.legendseeds.net
Jung	Jung Seed Genetics	(515) 205-3354	www.jungseedgenetics.com
Legacy Seeds	Legacy Seeds Inc.	(866) 791-6390	www.legacyseeds.com
LG Seeds	LG Seeds	(608) 606-4551	www.lgseeds.com
Loyal Brand	MS Technologies	(866) 791-6390	www.legacyseeds.com
NK	Syngenta	(262) 220-3015	www.nksoybeans.com
O'Brien	O'Brien Hybrids	(608) 576-3685	www.obrienhybrids.com
P3 Genetics	MS Technologies	--	www.corneliusseed.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
SB&B	SB&B Foods Inc.	(715) 928-1623	sb-b.com
Sevita	Sevita International	(226) 627-2341	sevita.com
Stine	Stine Seed Company	(608) 387-3954	www.stinseed.com
Tracy	Tracy Seeds, LLC	(608) 752-2767	www.tracyseeds.com
Viking	Albert Lea Seed	(800) 352-5247	www.alseed.com
Virtue	GDM Seeds	(217) 560-6400	virtueseeds.com
Xitavo	MS Technologies	(309) 212-5454	xitavosoybeanseed.com

TABLE 9. 2022 Temperature and Precipitation Summary

Trial Location	Average Mean Temperature (° F)					Total Precipitation (inches)						
	May	June	July	August	September	May	June	July	August	September		
Arlington		59.6	67.7	71.1	69.1	61.8		2.3	5.5	2.9	5.2	5.8
	Departure	2.1	0.2	0.1	0.1	0.4	Departure	-1.9	0.3	-1.3	1.4	2.5
Clinton		59.2	67.7	70.3	67.9	61.3		2.5	1.8	6.3	4.6	5.2
	Departure	1.1	-0.4	-1.1	-1.5	-1.2	Departure	-1.7	-3.6	2.6	0.4	1.4
Fond du Lac		58.7	67.3	71.0	69.4	62.2		3.3	4.2	2.9	2.8	1.7
	Departure	2.8	1.3	0.8	1.0	1.3	Departure	-0.2	-0.2	-0.7	-0.6	-1.5
Galesville (Trempealeau)		58.9	70.2	73.3	71.1	64.7		7.8	5.0	4.7	5.5	1.0
	Departure	0.1	1.8	0.9	0.9	2.2	Departure	3.4	0.7	0.1	1.4	-2.7
Hancock*		58.2	66.0	69.7	67.9	61.0		3.8	4.2	4.0	5.6	3.8
	Departure	1.6	-0.3	-0.4	-0.4	0.6	Departure	-0.4	-0.8	-0.1	1.5	0.4
							Irrigation	0.7	1.8	3.1	1.2	0.3
Marshfield		56.8	64.9	68.8	67.0	59.7		3.7	3.8	4.4	3.1	2.3
	Departure	1.1	-0.6	-0.9	-0.5	0.4	Departure	-0.4	-1.0	0.5	-0.9	-1.6
Menomonie		57.1	66.9	71.1	68.6	61.4		4.9	2.0	1.5	7.1	2.5
	Departure	0.8	0.6	0.5	0.3	1.2	Departure	0.4	-3.1	-2.6	3.0	-1.2
Platteville (Lancaster)		60.0	68.3	72.0	69.9	62.9		2.6	2.8	7.2	4.8	0.8
	Departure	1.9	0.5	0.6	0.4	1.0	Departure	-1.8	-3.1	2.2	0.9	-3.2
Seymour (Green Bay)		60.9	69.0	71.7	70.5	62.8		2.0	2.8	5.3	4.4	3.3
	Departure	4.4	2.6	1.2	1.9	1.8	Departure	-1.4	-1.3	1.7	1.1	0.1
Spooner*		56.5	65.4	69.9	67.4	60.0		4.7	2.5	1.9	6.5	1.5
	Departure	1.3	0.5	0.9	0.3	1.2	Departure	0.6	-1.7	-2.1	2.6	-2.2
							Irrigation	0.0	1.0	2.8	0.0	0.0

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

Source: Midwestern Regional Climate Center; Long term normals from 1991 to 2020 used for departure data.

TABLE 10. 2022 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	G1449E3	1.4	E3	3,4	AgriShield Max, Saltro	PI 88788	--	P	LTW	T	BL
AgriGold	G1490XF	1.4	XF	3,4	AgriShield Max, Saltro	PI 88788	Rps 3-a	P	LTW	BR	BR
AgriGold	G1601E3	1.6	E3	3,4	AgriShield Max, Saltro	PI 88788	Rps 3-a	P	G	T	BF
AgriGold	G1602	1.6	CN	7	AgriShield Max, Saltro	PI 88788	Rps 1-k	P	LTW	T	BR
AgriGold	G1857E3	1.8	E3	3	AgriShield Max, Saltro	PI 88788	Rps 1-c	P	G	BR	BF
AgriGold	G1902XF	1.9	XF	3	AgriShield Max, Saltro	PI 88788	--	P	LTW	BR	BL
AgriGold	G2002	2.0	CN	6	AgriShield Max, Saltro	PI 88788	Rps 1-k	P	LTW	T	BL
AgriGold	G2081E3	2.0	E3	3	AgriShield Max, Saltro	PI 88788	Rps 1-c	P	G	BR	IB
AgriGold	G2095XF	2.0	XF	3	AgriShield Max, Saltro	PI 88788	Rps 1-c	P	G	T	IB
AgriGold	G2107E3	2.1	E3	2	AgriShield Max, Saltro	Peking	Rps 1-c	P	G	T	IB
AgriGold	G2108XF	2.1	XF	2	AgriShield Max, Saltro	PI 88788	Rps 1-c	P	LTW	BR	BL
AgriGold	G2304	2.3	CN	6	AgriShield Max, Saltro	Peking	Rps 1-k	P	G	T	BF
AgriGold	G2315XF	2.3	XF	2	AgriShield Max, Saltro	PI 88788	Rps 1-c	P	G	T	IB
AgriGold	G2361E3	2.3	E3	2	AgriShield Max, Saltro	PI 88788	Rps 1-c	P	G	BR	IB
AgriGold	G2450XF	2.4	XF	2	AgriShield Max, Saltro	PI 88788	--	P	G	BR	BF
AgriGold	G2549E3	2.5	E3	2	AgriShield Max, Saltro	PI 88788	Rps 1-a	P	G	BR	BF
AgriGold	G2622XF	2.6	XF	2	AgriShield Max, Saltro	PI 88788	Rps 1-c	P	G	BR	IB
AgriGold	G2705E3	2.7	E3	2	AgriShield Max, Saltro	PI 88788	Rps 1-k	P	G	T	IB
AgriGold	G2802	2.8	CN	6	AgriShield Max, Saltro	PI 88788	Rps 1-c	P	LTW	BR	BL
AgriGold	G2820XF	2.8	XF	2	AgriShield Max, Saltro	PI 88788	Rps 1-c	P	G	T	IB
AgriGold	G3104	3.1	CN	6	AgriShield Max, Saltro	PI 88788	Rps 1-c	P	LTW	T	CL
Apex	AE0720	0.7	E3	5	Brute 4000S, Heads Up	PI 88788	--	P	G	T	BF
Apex	AE1220	1.2	E3	4,5	Brute 4000S, Heads Up	--	--	--	--	--	--
Apex	AE1410	1.4	E3	4	Brute 4000S, Heads Up	PI 88788	Rps 1-k	P	G	BR	IB
Apex	AE1710	1.7	E3	4	Brute 4000S, Heads Up	PI 88788	Rps 1-k	P	G	BR	IB

All characteristic information is provided by the originator.

¹ Herbicide Trait : CN = conventional, RR2Y = glyphosate, RR2X = dicamba/glyphosate, XF = dicamba/glufosinate/glyphosate, E3 = glufosinate/glyphosate/2,4-D, LLGT27 = glufosinate/glyphosate/isoxaflutole

² Source of SCN Resistance.

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

⁴ BL= Black, BF = Buff, BR= Brown, CL=Clear, G= Gray, IB= Imperfect Black, IY= Imperfect Yellow, LTW= Light Tawny, M= Mixed, P= Purple, T= Tan, TW= Tawny, W=White, Y= Yellow.

TABLE 10. CONTINUED. 2022 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
Apex	AE1930	1.9	E3	3,4	Brute 4000S, Heads Up	--	--	--	--	--	--
Apex	AE2220	2.2	E3	3	Brute 4000S, Heads Up	PI 88788	--	W	G	T	BF
Asgrow	AG07XF2	0.7	XF	5	Acceleron F/I, ILEVO	PI 88788	Rps 1-k	P	LTW	T	BR
Asgrow	AG09XF3	0.9	XF	5	Acceleron F/I, ILEVO	PI 88788	Rps 1-c	P	TW	BR	BL
Asgrow	AG11XF2	1.1	XF	4	Acceleron F/I, ILEVO	--	Rps 3-a	P	LTW	T	BR
Asgrow	AG13XF3	1.3	XF	3,4	Acceleron F/I, ILEVO	PI 88788	Rps 1-c, 3-a	P	TW	BR	BR
Asgrow	AG15XF2	1.5	XF	3,4	Acceleron F/I, ILEVO	PI 88788	Rps 1-c	P	G	BR	IB
Asgrow	AG18XF1	1.8	XF	3,4	Acceleron F/I, ILEVO	PI 88788	--	P	G	T	BF
Asgrow	AG19XF3	1.9	XF	3	Acceleron F/I, ILEVO	PI 88788	Rps 1-c	P	G	BR	IB
Asgrow	AG20XF1	2.0	XF	2,3	Acceleron F/I, ILEVO	PI 88788	Rps 1-c	P	G	T	G
Asgrow	AG21XF2	2.1	XF	3	Acceleron F/I, ILEVO	PI 88788	Rps 3-a	P	LTW	T	BR
Asgrow	AG22XF2	2.2	XF	2	Acceleron F/I, ILEVO	PI 88788	Rps 1-c	P	G	BR	BF
Asgrow	AG24XF1	2.4	XF	2	Acceleron F/I, ILEVO	PI 88788	Rps 1-c	P	G	T	G
Asgrow	AG24XF3	2.4	XF	2	Acceleron F/I, ILEVO	PI 88788	Rps 1-c, 3-a	P	G	BR	IB
Asgrow	AG26XF1	2.6	XF	2	Acceleron F/I, ILEVO	PI 88788	Rps 1-c	P	G	T	G
Asgrow	AG26XF3	2.6	XF	2	Acceleron F/I, ILEVO	PI 88788	Rps 1-c	P	G	BR	IB
BioGene	BG9100E3	1.0	E3	5	Arma	PI 88788	--	P	G	BR	G
BioGene	BG9150E3	1.5	E3	4	Arma	PI 88788	Rps 3-a	P	G	T	BF
BioGene	BG9180E3	1.8	E3	3	Arma	PI 88788	Rps 1-c	P	G	BR	BF
Burrus	2096E	2.0	E3	2	Burrus PowerShield	PI 88788	Rps 1-k	P	LTW	BR	BL
Burrus	2497E	2.4	E3	2	Burrus PowerShield	PI 88788	Rps 1-k	W	G	T	BF
Burrus	2565E	2.5	E3	2	Burrus PowerShield	Peking	Rps 1-k	P	G	T	BF
Burrus	2742E	2.7	E3	2	Burrus PowerShield	PI 88788	Rps 1-k	P	G	T	IB
Cornelius	CB24XF27	2.4	XF	2	Profit Guard Plus	--	--	--	--	--	--
Cornelius	CB25XF99	2.5	XF	2	Profit Guard Plus	--	--	--	--	--	--

All characteristic information is provided by the originator.

¹ Herbicide Trait : CN = conventional, RR2Y = glyphosate, RR2X = dicamba/glyphosate, XF = dicamba/glufosinate/glyphosate, E3 = glufosinate/glyphosate/2,4-D, LLGT27 = glufosinate/glyphosate/isoxaflutole

² Source of SCN Resistance.

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

⁴ BL= Black, BF = Buff, BR= Brown, CL=Clear, G= Gray, IB= Imperfect Black, IY= Imperfect Yellow, LTW= Light Tawny, M= Mixed, P= Purple, T= Tan, TW= Tawny, W=White, Y= Yellow.

TABLE 10. CONTINUED. 2022 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
Cornelius	CB27XF34	2.7	XF	2	Profit Guard Plus	PI 88788	Rps 1-c	P	G	T	G
Cornelius	CB29XF35	2.9	XF	2	Profit Guard Plus	--	--	--	--	--	--
Credenz	CZ 1660GTLL	1.6	LLGT27	3,4	Obvius Plus, Poncho/Votivo, Relenya, ILEVO	PI 88788	Rps 1-k	P	LTW	T	BR
Dairyland	DSR-0660E	0.6	E3	5	LumiGEN, ILEVO	PI 88788	--	P	G	T	Y
Dairyland	DSR-0757E	0.7	E3	4,5	LumiGEN, ILEVO	--	Rps 1-c	P	LTW	BR	BR
Dairyland	DSR-0847E	0.8	E3	4,5	LumiGEN, ILEVO	--	Rps 1-c	P	G	T	IB
Dairyland	DSR-0920E	0.9	E3	4,5	LumiGEN, ILEVO	PI 88788	--	P	G	T	IB
Dairyland	DSR-1121E	1.1	E3	4,5	LumiGEN, ILEVO	PI 88788	--	P	G	T	IB
Dairyland	DSR-1290E	1.2	E3	4	LumiGEN, ILEVO	PI 88788	--	P	G	BR	IB
Dairyland	DSR-1450E	1.4	E3	4	LumiGEN, ILEVO	PI 88788	--	P	G	BR	IB
Dairyland	DSR-1505E	1.5	E3	3,4	LumiGEN, ILEVO	PI 88788	Rps 1-k	P	LTW	BR	BR
Dairyland	DSR-1820E	1.8	E3	3,4	LumiGEN, ILEVO	PI 88788	Rps 1-k	P	G	BR	IB
Dairyland	DSR-1919E	1.9	E3	2,3	LumiGEN, ILEVO	Peking	Rps 1-k	P	LTW	BR	BL
Dairyland	DSR-2030E	2.0	E3	2,3,4	LumiGEN, ILEVO	PI 88788	Rps 1-c, 3-a	W	G	BR	BF
Dairyland	DSR-2188E	2.1	E3	2,3	LumiGEN, ILEVO	Peking	Rps 1-k	P	LTW	T	BR
Dairyland	DSR-2562E	2.5	E3	2	LumiGEN, ILEVO	PI 88788	Rps 1-k	P	LTW	BR	BL
Dairyland	DSR-2717E	2.7	E3	2	LumiGEN, ILEVO	Peking	Rps 1-k	P	LTW	T	BL
DONMARIO	DM 24E23	2.4	E3	2	Burrus PowerShield	PI 88788	Rps 1-k	P	LTW	BR	BL
DONMARIO	DM 28E52	2.8	E3	2	Burrus PowerShield	PI 88788	Rps 1-k	P	G	BR	IB
Dyna-Gro	S14XF43	1.4	XF	4	Equity VIP, Saltro, Vayantis	PI 88788	Rps 1-c, 3-a	P	LTW	BR	BR
Dyna-Gro	S16EN42	1.6	E3	4	Equity VIP, Saltro, Vayantis	PI 88788	Rps 3-a	P	G	T	BF
Dyna-Gro	S17XF02	1.7	XF	4	Equity VIP, Saltro, Vayantis	PI 88788	Rps 1-c	P	LTW	BR	BR
Dyna-Gro	S18EN52	1.8	E3	3	Equity VIP, Saltro, Vayantis	PI 88788	Rps 1-c	P	G	BR	IB
Dyna-Gro	S19XF62	1.9	XF	3	Equity VIP, Saltro, Vayantis	PI 88788	--	P	G	T	BF
Dyna-Gro	S20EN92	2.0	E3	3	Equity VIP, Saltro, Vayantis	PI 88788	Rps 1-c	P	G	BR	IB

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² Source of SCN Resistance.

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

⁴ BL= Black, BF = Buff, BR= Brown, CL=Clear, G= Gray, IB= Imperfect Black, IY= Imperfect Yellow, LTW= Light Tawny, M= Mixed, P= Purple, T= Tan, TW= Tawny, W=White, Y= Yellow.

TABLE 10. CONTINUED. 2022 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
Dyna-Gro	S21EN81	2.1	E3	2,3	Equity VIP, Saltro, Vayantis	PI 88788	Rps 1-k	P	G	BR	IB
Dyna-Gro	S23ES32	2.3	E3	2,3	Equity VIP, Saltro, Vayantis	PI 88788	Rps 1-k	W	G	T	BF
Dyna-Gro	S24XF12	2.4	XF	2	Equity VIP, Saltro, Vayantis	PI 88788	Rps 1-c	P	G	BR	IB
Dyna-Gro	S25EN02	2.5	E3	2	Equity VIP, Saltro, Vayantis	Peking	Rps 1-k	P	G	T	BF
Dyna-Gro	S26EN53	2.6	E3	2	Equity VIP, Saltro, Vayantis	PI 88788	Rps 1-c	P	G	T	BF
Dyna-Gro	S28EN22	2.8	E3	2	Equity VIP, Saltro, Vayantis	PI 88788	Rps 3-a, 1-k	W	G	T	BF
FS HiSOY	HS 16F10	1.6	XF	2,3	Acceleron F/I, Saltro	PI 88788	Rps 1-c	P	LTW	BR	BR
FS HiSOY	HS 18E00	1.8	E3	2,3	Acceleron F/I, Saltro	PI 88788	--	P	G	T	IB
FS HiSOY	HS 18F20	1.8	XF	2,3	Acceleron F/I, Saltro	PI 88788	--	P	G	T	BF
FS HiSOY	HS 21F20	2.1	XF	2,3	Acceleron F/I, Saltro	PI 88788	Rps 1-c, 3-a	P	G	T	BF
FS HiSOY	HS 23E10	2.3	E3	2,3	Acceleron F/I, Saltro	PI 88788	Rps 1-k	W	G	T	BF
FS HiSOY	HS 24F00	2.4	XF	2,3	Acceleron F/I, Saltro	PI 88788	Rps 1-c	P	G	T	BF
FS HiSOY	HS 25E00	2.5	E3	2	Acceleron F/I, Saltro	PI 88788	--	P	G	T	IB
FS HiSOY	HS 25F10	2.5	XF	2	Acceleron F/I, Saltro	PI 88788	Rps 1-c	P	G	T	G
FS HiSOY	HS 28E10	2.8	E3	2	Acceleron F/I, Saltro	PI 88788	Rps 1-k	P	G	BR	IB
FS HiSOY	HS 29F10	2.9	XF	2	Acceleron F/I, Saltro	PI 88788	Rps 1-c	P	G	BR	IB
Genesis	G0570E	0.5	E3	5	EclipseUS Trio	PI 88788	--	--	--	--	--
Genesis	G1070E	1.0	E3	5	EclipseUS Trio	PI 88788	--	P	G	T	IB
Genesis	G1260E	1.2	E3	4	EclipseUS Trio	PI 88788	Rps 1-c	P	G	T	IB
Genesis	G1560E	1.5	E3	4	EclipseUS Trio	PI 88788	Rps 3-a	P	G	T	BF
Genesis	G1760E	1.7	E3	3,4	EclipseUS Trio	PI 88788	Rps 3-a	P	G	T	BF
Genesis	G1950E	1.9	E3	3	EclipseUS Trio	PI 88788	--	P	G	BR	IB
Genesis	G1970E	1.9	E3	3	EclipseUS Trio	PI 88788	Rps 1-k	P	LTW	BR	BL
Genesis	G2150E	2.1	E3	3	EclipseUS Trio, Saltro	PI 88788	Rps 1-k	P	G	T	BF
Genesis	G2270E	2.2	E3	3	EclipseUS Trio, Saltro	PI 88788	Rps 1-c	P	LTW	T	BL

All characteristic information is provided by the originator.

¹ Herbicide Trait : CN = conventional, RR2Y = glyphosate, RR2X = dicamba/glyphosate, XF = dicamba/glufosinate/glyphosate, E3 = glufosinate/glyphosate/2,4-D, LLGT27 = glufosinate/glyphosate/isoxaflutole

² Source of SCN Resistance.

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

⁴ BL = Black, BF = Buff, BR = Brown, CL = Clear, G = Gray, IB = Imperfect Black, IY = Imperfect Yellow, LTW = Light Tawny, M = Mixed, P = Purple, T = Tan, TW = Tawny, W = White, Y = Yellow.

TABLE 10. CONTINUED. 2022 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
Genesis	G2550E	2.5	E3	2,3	EclipseUS Trio, Saltro	PI 88788	Rps 1-k	W	G	T	BF
Genesis	G2570ES	2.5	E3	2,3	EclipseUS Trio, Saltro	PI 88788	Rps 1-a	P	G	BR	BF
Genesis	G2960E	2.9	E3	2	EclipseUS Trio, Saltro	PI 88788	Rps 1-k	P	G	BR	IB
Golden Harvest	GH0933E3 Brand	0.9	E3	5	CruiserMaxx, Saltro, Vibrance	PI 88788	Rps 1-k	P	G	T	BF
Golden Harvest	GH1323XF Brand	1.3	XF	4	CruiserMaxx, Saltro, Vibrance	PI 88788	Rps 1-c, 3-a	P	LTW	BR	BR
Golden Harvest	GH1472E3 Brand	1.4	E3	4	CruiserMaxx, Saltro, Vibrance	Peking	Rps 1-c, 3-a	P	G	T	BF
Golden Harvest	GH1762XF Brand	1.7	XF	4	CruiserMaxx, Saltro, Vibrance	PI 88788	Rps 1-c	P	LTW	BR	BR
Golden Harvest	GH1802E3 Brand	1.8	E3	4	CruiserMaxx, Saltro, Vibrance	PI 88788	Rps 1-c	P	G	BR	IB
Golden Harvest	GH2083E3 Brand	2.0	E3	3	CruiserMaxx, Saltro, Vibrance	PI 88788	Rps 1-c	P	G	T	IB
Golden Harvest	GH2102XF Brand	2.1	XF	3	CruiserMaxx, Saltro, Vibrance	PI 88788	Rps 1-c	W	LTW	BR	BL
Golden Harvest	GH2292E3 Brand	2.2	E3	2,3	CruiserMaxx, Saltro, Vibrance	PI 88788	Rps 1-c	P	G	BR	IB
Golden Harvest	GH2653XF Brand	2.6	XF	2	CruiserMaxx, Saltro, Vibrance	PI 88788	Rps 1-c	P	G	BR	IB
Golden Harvest	GH2722XF Brand	2.7	XF	2	CruiserMaxx, Saltro, Vibrance	PI 88788	Rps 1-c	P	LTW	BR	BL
Impact	09E345N	0.9	E3	5	YP Pro, Primo R1, Soyfx	Peking	Rps 3-a	P	--	--	--
Impact	12E157N	1.2	E3	4	YP Pro, Primo R1, Soyfx	PI 88788	--	P	G	BR	IB
Impact	17E335N	1.7	E3	4	YP Pro, Primo R1, Soyfx	PI 88788	Rps 1-k	P	--	--	--
Impact	20E343N	2.0	E3	3	YP Pro, Primo R1, Soyfx	PI 88788	Rps 1-k	P	--	--	--
Impact	21E162N	2.1	E3	3	YP Pro, Primo R1, Soyfx	PI 88788	Rps 1-k	P	G	BR	IB
Impact	28E256N	2.8	E3	2	YP Pro, Primo R1, Soyfx	PI 88788	Rps 1-k	P	G	BR	IB
Jung	1063XF	0.6	XF	5	Acceleron F/I, ILEVO	PI 88788	Rps 1-c	P	TW	BR	BL
Jung	1072R2X	0.7	RR2X	5	Acceleron F/I, ILEVO	PI 88788	Rps 1-c	P	LTW	BR	BL
Jung	1104XF	1.0	XF	5	Acceleron F/I, ILEVO	PI 88788	--	P	LTW	T	BL
Jung	1113XF	1.1	XF	4	Acceleron F/I, ILEVO	PI 88788	Rps 1-c, Rps-6	P	LTW	BR	BR
Jung	1161R2X	1.6	RR2X	4	Acceleron F/I, ILEVO	PI 88788	Seg. Rps 1-c	P	G	T	IB
Jung	1184XF	1.8	XF	4	Acceleron F/I, ILEVO	PI 88788	Rps 1-c	P	G	TW	IB

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¹ Herbicide Trait : CN = conventional, RR2Y = glyphosate, RR2X = dicamba/glyphosate, XF = dicamba/glufosinate/glyphosate, E3 = glufosinate/glyphosate/2,4-D, LLGT27 = glufosinate/glyphosate/isoxaflutole

² Source of SCN Resistance.

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⁴ BL= Black, BF = Buff, BR= Brown, CL=Clear, G= Gray, IB= Imperfect Black, IY= Imperfect Yellow, LTW= Light Tawny, M= Mixed, P= Purple, T= Tan, TW= Tawny, W=White, Y= Yellow.

TABLE 10. CONTINUED. 2022 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	Flower	Color ⁴ Pubescence	Pod	Hilum
Jung	1204XF	2.0	XF	3	Acceleron F/I, ILEVO	PI 88789	Rps 1-c	P	G	BR	IB
Jung	1227XF	2.2	XF	3	Acceleron F/I, ILEVO	PI 88788	Rps 1-c	P	G	BR	G
Jung	1233XF	2.3	XF	3	Acceleron F/I, ILEVO	PI 88788	Rps 1-c	P	G	BR	IB
Jung	1244XF	2.4	XF	2	Acceleron F/I, ILEVO	PI 88788	Rps 1-c	P	G	T	G
Jung	1254XF	2.5	XF	2	Acceleron F/I, ILEVO	PI 88788	Rps 1-c	P	G	T	G
Jung	1264XF	2.6	XF	2	Acceleron F/I, ILEVO	PI 88788	Rps 1-c	P	G	T	G
Legacy Seeds	LS084-22	0.8	XF	5	L-Coat Total	Peking	Rps 3-a, 1-k	P	G	BR	BF
Legacy Seeds	LS121-22C	1.2	CN	7	L-Coat Total	PI 88788	--	P	LTW	T	BL
Legacy Seeds	LS124-21	1.2	XF	5	L-Coat Total	PI 88788	Rps 3-a	P	LTW	BR	BL
Legacy Seeds	LS134-22	1.3	XF	4,5	L-Coat Total	PI 88788	Rps 1-c, 3-a	P	LTW	BR	BR
Legacy Seeds	LS151-21C	1.5	CN	7	L-Coat Total	PI 88788	Rps 1-k	P	LTW	T	BR
Legacy Seeds	LS154-22	1.5	XF	3,4	L-Coat Total	PI 88788	--	P	G	T	IB
Legacy Seeds	LS174-20	1.7	XF	3,4	L-Coat Total	PI 88788	Rps 1-c	P	LTW	T	BL
Legacy Seeds	LS184-21	1.8	XF	2,3,4	L-Coat Total	PI 88788	--	P	G	T	BF
Legacy Seeds	LS187-21C	1.8	CN	6,7	L-Coat Total	PI 88788	Rps 1-k	M	G	T	CL
Legacy Seeds	LS203-22C	2.0	CN	6,7	L-Coat Total	PI 88788	--	P	LTW	T	BL
Legacy Seeds	LS204-22	2.0	XF	2,3	L-Coat Total	PI 88788	Rps 1-c, 3-a	P	G	BR	IB
Legacy Seeds	LS231-21C	2.3	CN	6	L-Coat Total	PI 88788	Rps 1-a	P	LTW	BR	BL
Legacy Seeds	LS260-21C	2.6	CN	6	L-Coat Total	PI 88788	Rps 1-k	P	G	T	BF
Legacy Seeds	LS262-21C	2.6	CN	6	L-Coat Total	PI 88788	Rps 1-k	P	G	T	CL
LG Seeds	LGS0988XF	0.9	XF	5	AgriShield Max, Saltro	PI 88788	Rps 1-c	P	LTW	T	Y
LG Seeds	LGS1203E3	1.2	E3	5	AgriShield Max, Saltro	PI 88788	Rps 1-c	P	G	T	IB
LG Seeds	LGS1385XF	1.3	XF	5	AgriShield Max, Saltro	PI 88788	Rps 1-c, 3-a	P	LTW	BR	BR
LG Seeds	LGS1585XF	1.5	XF	4	AgriShield Max, Saltro	PI 88788	Rps 3-a	P	LTW	BR	BR
LG Seeds	LGS1660E3	1.6	E3	4	AgriShield Max, Saltro	PI 88788	Rps 3-a	P	G	T	BF

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¹ Herbicide Trait : CN = conventional, RR2Y = glyphosate, RR2X = dicamba/glyphosate, XF = dicamba/glufosinate/glyphosate, E3 = glufosinate/glyphosate/2,4-D, LLGT27 = glufosinate/glyphosate/isoxaflutole

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TABLE 10. CONTINUED. 2022 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
LG Seeds	LGS1701E3	1.7	E3	4	AgriShield Max, Saltro	Peking	Rps 1-k	P	G	T	BF
LG Seeds	LGS1911XF	1.9	XF	3	AgriShield Max, Saltro	PI 88788	Rps 1-c	P	LTW	BR	BL
LG Seeds	LGS1939E3	1.9	E3	3	AgriShield Max, Saltro	PI 88788	Rps 1-k	P	LTW	BR	BL
LG Seeds	LGS2025XF	2.0	XF	3	AgriShield Max, Saltro	PI 88788	Rps 1-c	P	G	T	G
LG Seeds	LGS2348E3	2.3	E3	2	AgriShield Max, Saltro	PI 88788	Rps 1-c	P	G	BR	IB
LG Seeds	LGS2577E3	2.5	E3	2	AgriShield Max, Saltro	PI 88788	Rps 1-k	W	G	T	BF
Loyal Brand	L0950E	0.9	E3	5	L-Coat Total	Peking	Rps 3-a	P	G	T	BF
Loyal Brand	L1050E	1.0	E3	4,5	L-Coat Total	PI 88788	--	P	G	T	IB
Loyal Brand	L1230E	1.2	E3	4,5	L-Coat Total	PI 88788	Rps 1-c	P	G	BR	IB
Loyal Brand	L1540E	1.5	E3	3,4	L-Coat Total	PI 88788	Rps 3-a	P	G	T	BF
Loyal Brand	L1730E	1.7	E3	3,4	L-Coat Total	PI 88788	Rps 1-k	P	G	BR	IB
Loyal Brand	L1740E	1.7	E3	3,4	L-Coat Total	PI 88788	Rps 3-a	P	G	T	BF
Loyal Brand	L1950E	1.9	E3	3,4	L-Coat Total	PI 88788	Rps 1-k	P	LTW	BR	BL
Loyal Brand	L2130E	2.1	E3	2,3	L-Coat Total	PI 88788	Rps 1-k	P	G	BR	IB
Loyal Brand	L2150E	2.1	E3	2,3	L-Coat Total	Peking	Rps 1-c	P	G	T	IB
Loyal Brand	L2250E	2.2	E3	2,3	L-Coat Total	PI 88788	Rps 1-c	P	LTW	T	BL
Loyal Brand	L2550E	2.5	E3	2	L-Coat Total	PI 88788	Rps 1-a	P	G	BR	BF
NK	NK03-V5E3	0.3	E3	5	CruiserMaxx, Saltro, Vibrance	PI 88788	Rps 1-c	P	G	T	IB
NK	NK06-D9E3	0.6	E3	3,4,5	CruiserMaxx, Saltro, Vibrance	PI 88788	Rps 3-a	P	G	T	BF
NK	NK06-P2XF	0.6	XF	4,5	CruiserMaxx, Saltro, Vibrance	PI 88788	Rps 1-c	P	LTW	T	BL
NK	NK08-V9E3	0.8	E3	5	CruiserMaxx, Saltro, Vibrance	PI 88788	--	P	G	T	BF
NK	NK09-B5XF	0.9	XF	3,4,5	CruiserMaxx, Saltro, Vibrance	PI 88788	Rps 1-c, 3-a	P	LTW	BR	G
NK	NK09-H7E3	0.9	E3	3,4,5	CruiserMaxx, Saltro, Vibrance	PI 88788	Rps 1-k	P	G	T	BF
NK	NK13-Y4XF	1.3	XF	2,3,4	CruiserMaxx, Saltro, Vibrance	PI 88788	Rps 1-c, 3-a	P	LTW	BR	BR
NK	NK14-W6E3	1.4	E3	3,4	CruiserMaxx, Saltro, Vibrance	Peking	Rps 1-c, 3-a	P	G	T	BF

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TABLE 10. CONTINUED. 2022 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	Flower	Color ⁴ Pubescence	Pod	Hilum
NK	NK18-J7E3	1.8	E3	2,3,4	CruiserMaxx, Saltro, Vibrance	PI 88788	Rps 1-c	P	G	BR	IB
NK	NK19-D5XF	1.9	XF	2,3	CruiserMaxx, Saltro, Vibrance	PI 88788	Rps 1-c	P	LTW	BR	BL
NK	NK19-T8E3S	1.9	E3	2,3	CruiserMaxx, Saltro, Vibrance	Peking	Rps 1-k	P	G	BR	IB
NK	NK20-B6E3	2.0	E3	2,3	CruiserMaxx, Saltro, Vibrance	PI 88788	Rps 1-c	P	G	T	IB
NK	NK22-R2E3S	2.2	E3	2,3	CruiserMaxx, Saltro, Vibrance	PI 88788	Rps 1-c	P	G	T	IB
NK	NK23-T9XF	2.3	XF	2,3	CruiserMaxx, Saltro, Vibrance	PI 88788	Rps 1-c	W	LTW	BR	BL
NK	NK24-A2E3S	2.4	E3	2,3	CruiserMaxx, Saltro, Vibrance	PI 88788	Rps 1-a	P	G	BR	BF
NK	NK29-Z4E3	2.9	E3	2	CruiserMaxx, Saltro, Vibrance	PI 88788	Rps 3-a, 1-k	P	G	T	BF
O'Brien	O'SOY1620GT27LL	1.6	LLGT27	3,4	CruiserMaxx, Vibrance, N-Force	PI 88788	Rps 1-k	P	LTW	T	BR
O'Brien	O'SOY2153E	2.1	E3	2,3	CruiserMaxx, Vibrance, N-Force	--	--	--	--	--	--
O'Brien	O'SOY2421GT27LL	2.4	LLGT27	2	CruiserMaxx, Vibrance, N-Force	PI 88788	Rps 1-k	P	LTW	BR	BL
P3 Genetics	2322E	2.2	E3	2	Profit Guard Plus	--	--	--	--	--	--
P3 Genetics	2223E	2.3	E3	2	Profit Guard Plus	--	--	--	--	--	--
P3 Genetics	2326E	2.6	E3	2	Profit Guard Plus	--	--	--	--	--	--
P3 Genetics	2229E	2.9	E3	2	Profit Guard Plus	PI 88788	Rps 1-k	W	LTW	T	BR
ProHarvest	0985CR2Y	0.9	RR2Y	4,5	Brute 4000S, Heads Up	Peking	Rps 3-a, 1-k	P	G	BR	BF
ProHarvest	1638X	1.6	RR2X	4	Brute 4000S, Heads Up	PI 88788	Rps 1-c, 1-k	P	G	BR	IB
Public	MN1410	1.4	CN	6,7	Arma	--	--	W	G	BR	BF
Public	W16-5282B	2.6	CN	6	none	--	--	P	LTW	LTW	BL
Public	W19-11321	2.8	CN	6	none	--	--	P	TW	TW	BL (BL seed coat)
Public	W19-1190	2.5	CN	6	none	--	--	P	LTW	LTW	CL
Public	W19-1191d	2.5	CN	6	none	--	--	P	LTW	LTW	CL
Public	W19-1191g	2.5	CN	6	none	--	--	P	LTW	LTW	G
Public	W19-2484	1.5	CN	6	none	--	--	P	TW	TW	BL
Renk	RS093NXF	0.9	XF	5	EclipseUS Trio	PI 88788	--	P	LTW	BR	BL

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¹ Herbicide Trait : CN = conventional, RR2Y = glyphosate, RR2X = dicamba/glyphosate, XF = dicamba/glufosinate/glyphosate, E3 = glufosinate/glyphosate/2,4-D, LLGT27 = glufosinate/glyphosate/isoxaflutole

² Source of SCN Resistance.

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

⁴ BL= Black, BF = Buff, BR= Brown, CL=Clear, G= Gray, IB= Imperfect Black, IY= Imperfect Yellow, LTW= Light Tawny, M= Mixed, P= Purple, T= Tan, TW= Tawny, W=White, Y= Yellow.

TABLE 10. CONTINUED. 2022 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
Renk	RS153NXF	1.5	XF	4	EclipseUS Trio	PI 88788	--	P	G	T	BL
Renk	RS183NXF	1.8	XF	3,4	EclipseUS Trio	PI 88788	--	P	G	T	BF
Renk	RS233NXF	2.3	XF	3	EclipseUS Trio, Saltro	PI 88788	Rps 1-c, 3-a	P	G	BR	BF
Renk	RS253NXF	2.5	XF	2	EclipseUS Trio, Saltro	PI 88788	Rps 1-c	P	G	BR	IB
SB&B	SB700	0.7	CN	7	CruiserMaxx	--	Rps 1-c	P	LTW	BR	IY
SB&B	SB1270	1.2	CN	6,7	CruiserMaxx	--	--	P	G	T	Y
SB&B	SB712	1.2	CN	6,7	CruiserMaxx	PI 88788	Rps 1-c, 3-a	P	G	T	Y
SB&B	SB19	1.5	CN	6,7	CruiserMaxx	--	--	P	G	T	Y
SB&B	SB49	0.4	CN	7	CruiserMaxx	PI 88788	Rps 1-c	P	G	T	Y
Sevita	Finch	0.9	CN	7	Fortenza, VibranceMaxx	--	Rps 1-c	P	G	--	Y
Sevita	Odessa	1.1	CN	7	Fortenza, VibranceMaxx	--	--	W	T	--	IY
Sevita	Skyline	1.1	CN	7	Fortenza, VibranceMaxx	PI 88788	Rps 1-c, 3-a	P	G	--	Y
Sevita	Barton	1.4	CN	7	Fortenza, VibranceMaxx	PI 88788	--	P	G	--	Y
Sevita	Alinova	1.5	CN	6,7	Fortenza, VibranceMaxx	PI 88788	--	P	T	--	IY
Sevita	Candor	1.9	CN	6	Fortenza, VibranceMaxx	--	Rps 3-a	P	G	--	Y
Sevita	Rowan	2.0	CN	6	Fortenza, VibranceMaxx	PI 88788	Rps 1-c	P	LTW	--	IY
Stine	08EC02	0.8	E3	5	N-Compass F/I, Saltro	PI 88788	--	P	G	--	T
Stine	09EA02	0.9	E3	5	N-Compass F/I, Saltro	PI 88788	--	P	G	--	IB
Stine	11EC02	1.1	E3	4,5	N-Compass F/I, Saltro	PI 88788	--	P	G	--	IB
Stine	14EE12	1.4	E3	4	N-Compass F/I, Saltro	PI 88788	--	P	LTW	--	BL
Stine	16EC32	1.6	E3	3,4	N-Compass F/I, Saltro	PI 88788	Rps 1-k	P	G	--	IB
Stine	17EE32	1.7	E3	4	N-Compass F/I, Saltro	PI 88788	Rps 3-a	P	G	--	BF
Stine	19EC12	1.9	E3	2,3	N-Compass F/I, Saltro	PI 88788	Rps 1-k	P	G	--	IB
Stine	19EC23	1.9	E3	3	N-Compass F/I, Saltro	PI 88788	Rps 1-k	P	G	--	BL
Stine	19EE62	1.9	E3	2,3	N-Compass F/I, Saltro	PI 88788	Rps 1-k	P	LTW	--	BL

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TABLE 10. CONTINUED. 2022 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	Flower	Color ⁴ Pubescence	Pod	Hilum
Stine	25EB32	2.5	E3	2	N-Compass F/I, Saltro	Peking	Rps 1-k	P	G	--	BF
Stine	26EC32	2.6	E3	2	N-Compass F/I, Saltro	PI 88788	Rps 1-k	P	G	--	IB
Stine	28EC32	2.8	E3	2	N-Compass F/I, Saltro	PI 88788	Rps 1-k	P	G	--	IB
Tracy	1553E	1.5	E3	3	Intego Suite, N-Force	PI 88788	Rps 3-a	P	G	T	BF
Tracy	1752E	1.7	E3	3	Intego Suite, N-Force	PI 88788	Rps 3-a	P	G	T	BF
Tracy	1953E	1.9	E3	3	Intego Suite, N-Force	PI 88788	Rps 1-k	P	LTW	BR	BL
Tracy	2153E	2.1	E3	2	Intego Suite, N-Force	Peking	Rps 1-c	P	G	T	IB
Tracy	2752E	2.7	E3	2	Intego Suite, N-Force	PI 88788	Rps 1-c	P	G	BR	BF
Viking	0821N	0.8	CN	7	none	PI 88788	--	P	LTW	T	BR
Viking	1223N	1.2	CN	7	none	PI 88788	--	P	LTW	T	BL
Viking	0.1202N	1.2	CN	7	none	PI 88788	Rps 1-k	W	TW	BR	BR
Viking	1518N	1.5	CN	7	none	PI 88788	--	P	LTW	BR	BR
Viking	0.1718N	1.7	CN	6,7	none	PI 88788	Rps 1-k	M	LTW	T	BR
Viking	2022N	2.0	CN	6	none	PI 88788	Rps 1-k	P	LTW	T	BL
Viking	2155N	2.1	CN	6	none	PI 88788	--	M	LTW	T	BR
Viking	0.2244AT	2.2	CN	6	none	PI 88788	--	P	TW	T	BL/BR
Viking	2340KN	2.3	CN	6	none	Peking	Rps 1-k	P	G	T	BF
Viking	2418N	2.4	CN	6	none	PI 88788	Rps 1-c	P	LTW	BR	BL
Viking	0.2702	2.7	CN	6	none	--	--	W	LTW	BR	BR
Virtue	V1821	1.8	CN	6	CruiserMaxx, Vibrance	PI 88788	Rps 1-c	P	G	BR	Y
Virtue	V2122	2.1	CN	6	CruiserMaxx, Vibrance	--	Rps 3-a	W	TW	T	BR
Virtue	V2423	2.4	CN	6	CruiserMaxx, Vibrance	PI 88788	Rps 1-k	P	LTW	T	BR
Xitavo	XO 0573E	0.5	E3	5	Obvius Plus, Poncho/Votivo, Relenya, ILEVO	--	Rps 3-a, 1-k	P	G	BR	IB
Xitavo	XO 0731E	0.7	E3	4,5	Obvius Plus, Poncho/Votivo, Relenya, ILEVO	PI 88788	Rps 1-c, 3-a	P	G	BR	IB
Xitavo	XO 0993E	0.9	E3	4,5	Obvius Plus, Poncho/Votivo, Relenya, ILEVO	Peking	Rps 3-a	P	G	T	BF

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TABLE 10. CONTINUED. 2022 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
Xitavo	XO 1041E	1.0	E3	4	Obvius Plus, Poncho/Votivo, Relenya, ILEVO	PI 88788	--	P	G	BR	G
Xitavo	XO 1212E	1.2	E3	3,4	Obvius Plus, Poncho/Votivo, Relenya, ILEVO	PI 88788	Rps 1-c	P	G	T	IB
Xitavo	XO 1372E	1.3	E3	3,4	Obvius Plus, Poncho/Votivo, Relenya, ILEVO	PI 88788	--	P	G	BR	IB
Xitavo	XO 1451E	1.4	E3	3,4	Obvius Plus, Poncho/Votivo, Relenya, ILEVO	PI 88788	Rps 1-k	P	G	BR	IB
Xitavo	XO 1632E	1.6	E3	4	Obvius Plus, Poncho/Votivo, Relenya, ILEVO	PI 88788	Rps 3-a	P	G	T	BF
Xitavo	XO 1761E	1.7	E3	3,4	Obvius Plus, Poncho/Votivo, Relenya, ILEVO	PI 88788	Rps 1-k	P	G	BR	IB
Xitavo	XO 1822E	1.8	E3	3,4	Obvius Plus, Poncho/Votivo, Relenya, ILEVO	PI 88788	Rps 3-a	P	G	T	BF
Xitavo	XO 1971E	1.9	E3	2,3	Obvius Plus, Poncho/Votivo, Relenya, ILEVO	PI 88788	--	P	G	BR	IB
Xitavo	XO 2181E	2.1	E3	2,3	Obvius Plus, Poncho/Votivo, Relenya, ILEVO	PI 88788	Rps 1-k	P	G	BR	IB
Xitavo	XO 2282E	2.2	E3	2,3	Obvius Plus, Poncho/Votivo, Relenya, ILEVO	PI 88788	--	P	G	T	BF
Xitavo	XO 2323E	2.3	E3	2,3	Obvius Plus, Poncho/Votivo, Relenya, ILEVO	PI 88788	Rps 1-c	P	LTW	T	BL
Xitavo	XO 2472E	2.4	E3	2,3	Obvius Plus, Poncho/Votivo, Relenya, ILEVO	PI 88788	Rps 1-k	W	G	T	BF
Xitavo	XO 2501E	2.5	E3	2	Obvius Plus, Poncho/Votivo, Relenya, ILEVO	PI 88788	--	P	G	BR	IB
Xitavo	XO 2613E	2.6	E3	2	Obvius Plus, Poncho/Votivo, Relenya, ILEVO	PI 88788	Rps 1-c	P	G	T	BF
Xitavo	XO 2832E	2.8	E3	2	Obvius Plus, Poncho/Votivo, Relenya, ILEVO	PI 88788	Rps 1-k	P	G	BR	IB
Xitavo	XO 2963E	2.9	E3	2	Obvius Plus, Poncho/Votivo, Relenya, ILEVO	Peking	Rps 1-k	P	G	T	IB

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Wisconsin Soybean Performance Trials 2022 (A3654)

11/2022



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