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Soybean Variety Performance Trials

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2024 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 below average growing conditions across much of the state in 2024. Above normal precipitation in April and May coupled with average temperatures led to delayed soybean planting timing. Late season statewide drought-like conditions were a significant challenge to the 2024 soybean crop and led to reduced yield and seed size. The 2024 projected statewide average soybean yield is 53.0 bu/A, up 2.0 bu/A from 2023. Production is expected to be at 112 million bushels, up 7% from 2023. Source: October 11, 2024 NASS report, www.nass.usda.gov.

Statewide crop conditions were rated at about 62% good to excellent for most of the season. As of October 20th, 93% of the WI soybean crop had been harvested, which is 4 weeks ahead of the average. The Clinton site was abandoned due to excessive rain, ponding, and slug damage. Wautoma yields were significantly reduced from high soybean cyst nematode pressure and environmental factors.

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.

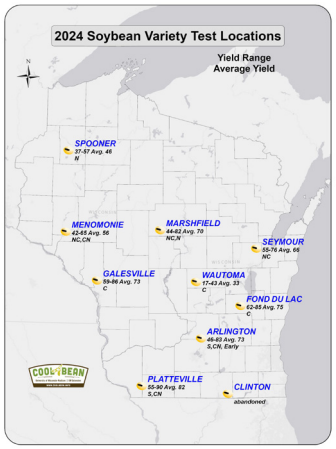
Lodging: Lodging scores were based on the average erectness of the main stem of plants at maturity (1 = all plants erect, 2 = slight lodging, 3 = plants lodged at 45-degree angle, 4 = severe lodging, 5 = all plants flat).

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 and Stem Rot (PRSR)

(caused by Phytopthora 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. The population of the PRSR pathogen can be a single race or mixed races in the field. The last time a survey of Phytophthora races was done in Wisconsin (over 15 years ago), it was noted that the Rps 1-k resistance gene should be effective on about 99% of the acres in the state. Due to heavy use of the Rps 1-k resistance gene, we believe that the population in the state has shifted. We are seeing that resistance readily overcome. Unfortunately, most of the varieties currently grown in the state have this resistance. A recent Check of the soybean variety trials 2022 show that out of 265 varieties tested 25% had no PRSR resistance gene, 2% had Rps 1-a, 29% Rps 1-c, 26% Rps 1-k, 9% Rps 3-a, and 9% had multi-genes. We are actively working with the Wisconsin Soybean Marketing Board to understand what the current population looks like. However, it is too early to tell what the races are primarily in our fields. Moving forward. perhaps choosing Rps 3-a or mixed gene varieties could help.

Other things you can do for PRSR are to open the rotation between soybean crops and improve drainage in fields that are typically saturated for long periods of time. Adjusting variety choice can help too. Seed treatment fungicides can also be used. However, remember that the seed treatment is only going to be effective for the first 30 days or so after planting. After that we have to rely on varietal resistance to manage this problem. 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 moderate incidence and severity of PRSR in Wisconsin in 2024.

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 areas of Wisconsin in 2024, 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 the 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 an important disease of soybean to consider in Wisconsin. BSR can occasionally be found in fields in Wisconsin where susceptible varieties are 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 low in 2024 in 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 2024 with thresholds being seen in late planted soybean fields; whereas spider mite infestations were sparce. 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 2025. 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 2024, 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 2024 than in 2023 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.

2024 Table List

Figure 1. Average performance of E3 and XF soybean varieties in Wisconsin in 2024.

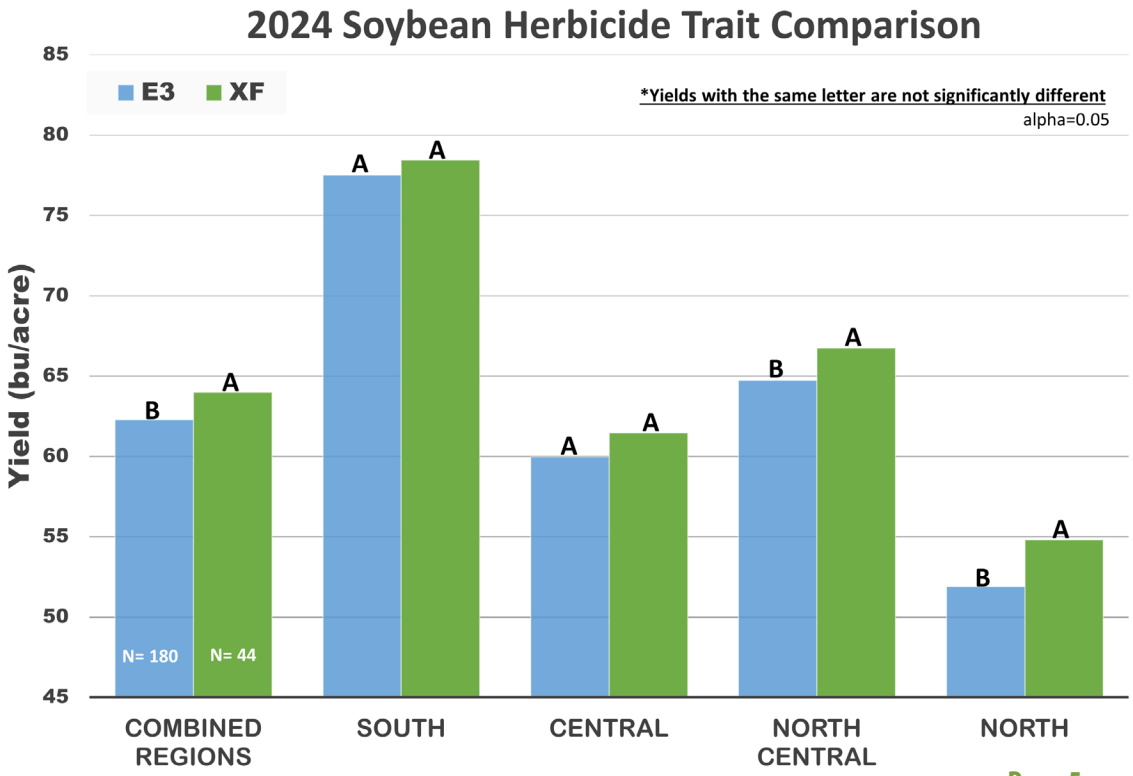


Table 1. General Information on the 2024 Soybean Trials

					Soil Test Results					Pesticide Application		Dates		Average Yield (bu/A)		
Location	Trial	Cooperators	Row Spacing (in.)	Tillage	Soil Type	pH	OM (%)	P (ppm)	K (ppm)	Pre-emergent / Pre-plant	Post-emergent	Planting	Harvest	2024	2023	2023 -2024
Arlington	Glyphosate Tolerant	Mike Bertram	15	no-till	Plano silt loam	6.8	3.3	40	146	Authority First, Dual II Magnum, glyphosate, Sharpen	glyphosate, Select Max	6-May	3-Oct	73	70	72
Arlington	Conventional	Mike Bertram	15	no-till	Plano silt loam	6.8	3.3	40	146	Authority First, Dual II Magnum, glyphosate, Sharpen	Select Max	6-May	30-Sep	67	72	70
Arlington	Early Maturity	Mike Bertram	15	no-till	Plano silt loam	6.8	3.3	40	146	Authority First, Dual II Magnum, glyphosate, Sharpen	glyphosate, Select Max	6-May	18-Sep	63	77	70
Clinton	Glyphosate Tolerant	Gary Sommers, Matt Rehberg	15	no-till	Elburn silt loam	6.5	3.9	29	131	glyphosate, Zidua Pro	glufosinate, glyphosate, Warrant	1-May	abandoned (slugs/ water)	--	76	76
Fond du Lac	Glyphosate Tolerant	Ed Montsma	15	no-till	Mendota silt loam	6.9	3.0	40	147	Authority First, Dual II Magnum	glufosinate, glyphosate, Warrant	30-Apr	3-Oct	75	80	78
Galesville	Glyphosate Tolerant	Ken Congdon	15	no-till	Festina silt loam	6.6	3.3	24	138	glyphosate, Sonic	glufosinate, glyphosate, Warrant	10-May	8-Oct	73	69	71
Wautoma	Glyphosate Tolerant	Sara Stelter	15	conventional	Plainfield sand	6.9	0.9	66	86	--	Dual II Magnum, glyphosate	1-May	3-Oct	33	83	58
Marshfield	Glyphosate Tolerant (North Central)	Ashley Blackburn	15	no-till	Withee silt loam	6.8	4.3	63	157	glyphosate, Sonic	glyphosate, Warrant	14-May	8-Oct	73	60	67
Marshfield	Glyphosate Tolerant (North)	Ashley Blackburn	15	no-till	Withee silt loam	6.8	4.3	63	157	glyphosate, Sonic	glyphosate, Warrant	14-May	9-Oct	66	61	64
Menomonie	Glyphosate Tolerant	Tony Mellenthin, Jerry Clark	15	no-till	Urne fine sandy loam	6.7	2.0	45	73	Authority First, Dual II Magnum, glyphosate	glyphosate, Warrant	10-May	8-Oct	56	80	68
Menomonie	Conventional	Tony Mellenthin, Jerry Clark	15	no-till	Urne fine sandy loam	6.7	2.0	45	73	Authority First, Dual II Magnum, glyphosate	Pursuit	10-May	8-Oct	48	69	59
Platteville	Glyphosate Tolerant	Schweigert Family Farms	15	no-till	Muscatine silt loam	6.5	3.5	45	137	glyphosate, Zidua Pro	glufosinate, glyphosate, Select Max, Warrant	15-May	10-Oct	82	89	86
Platteville	Conventional	Schweigert Family Farms	15	no-till	Muscatine silt loam	6.5	3.5	45	137	glyphosate, Zidua Pro	Prefix, Select Max, Warrant	15-May	10-Oct	75	81	78
Seymour	Glyphosate Tolerant	Mike Maass	15	conventional	Solona-Ossineke complex	7.0	2.6	30	161	Authority First, Dual II Magnum	glufosinate, glyphosate, Warrant	14-May	3-Oct	66	73	70
Spooner	Glyphosate Tolerant (Dryland)	Phil Holman	15	conventional	Antigo Silt Loam	6.6	2.4	28	146	--	Dual II Magnum, glyphosate(2), Select Max	29-May	8-Oct	43	37	40
Spooner	Glyphosate Tolerant (Irrigated)	Phil Holman	15	conventional	Cress Sandy Loam	6.3	2.3	39	147	--	Dual II Magnum, glyphosate(2), Select Max	17-May	8-Oct	49	52	51

Table 2. 2024 Southern Region Glyphosate Tolerant Soybean Trial (1 of 3)

Brand (Entrant)	Entry	Herbicide Trait[1]	Maturity Group	Maturity Date[2]	2024 2 - Test Average[3] Yield (bu/A)	2024 2 - Test Average[3] Lodging (1-5)	2024 Yields Arlington (bu/A)	2024 Yields Platteville (bu/A)	2024 Composition[2] Protein (%)	2024 Composition[2] Oil (%)	2023 2- Test Average[4] Yield (bu/A)	2023 2- Test Average[4] Lodging (1-5)	2023 Composition[2] Protein (%)	2023 Composition[2] Oil (%)
Asgrow	AG20XF4	XF	2.0	18-Sep	*80	1.0	*80	80	31.9	18.9	--	--	--	--
Asgrow	AG21XF2	XF	2.1	17-Sep	77	1.0	74	81	32.5	19.7	*87	1.0	35.1	19.5
Asgrow	AG22XF5	XF	2.2	18-Sep	76	1.0	67	84	32.0	20.3	--	--	--	--
Asgrow	AG24XF1	XF	2.4	20-Sep	72	1.0	62	81	32.3	19.7	--	--	--	--
Asgrow	AG24XF4	XF	2.4	19-Sep	*79	1.0	75	84	31.5	19.5	--	--	--	--
Asgrow	AG25XF5	XF	2.5	20-Sep	*79	1.0	73	*85	31.0	20.8	--	--	--	--
Asgrow	AG26XF4	XF	2.6	23-Sep	*82	1.0	*77	*87	32.2	20.2	--	--	--	--
Burrus	2084E	E3	2.0	16-Sep	73	1.0	65	80	30.6	21.0	--	--	--	--
Burrus	2335E	E3	2.3	17-Sep	*79	1.0	74	83	31.6	20.7	*87	1.0	33.3	20.5
Burrus	2681E	E3	2.6	22-Sep	*82	1.0	*79	84	31.2	21.0	83	1.0	32.7	20.7
Burrus	2729E	E3	2.7	23-Sep	*80	1.0	75	*86	31.6	20.5	--	--	--	--
Cornelius	CB24XF75	XF	2.4	18-Sep	*80	1.0	71	*90	32.6	19.7	--	--	--	--
Cornelius	CB25XF99	XF	2.5	21-Sep	*79	1.0	74	84	31.9	19.7	79	1.0	34.2	19.2
DONMARIO (Burrus)	DM24E84	E3	2.4	19-Sep	*79	1.0	75	83	32.5	19.9	--	--	--	--
DONMARIO (GDM)	DM22E64	E3	2.2	19-Sep	*82	1.0	*79	84	31.8	20.7	--	--	--	--
DONMARIO (GDM)	DM24E84	E3	2.4	20-Sep	*81	1.0	*78	84	32.5	19.8	--	--	--	--
Dyna-Gro	S22XF95	XF	2.2	18-Sep	76	1.0	71	81	32.2	20.0	--	--	--	--
Dyna-Gro	S23EN05	E3	2.3	17-Sep	*80	1.0	74	*87	31.6	20.8	--	--	--	--
Dyna-Gro	S25EN74	E3	2.5	21-Sep	*84	1.0	*82	*86	30.8	20.9	85	1.0	32.0	20.8
FS HiSOY	HS 12F30	XF	1.2	8-Sep	71	1.0	65	78	32.0	20.4	75	1.0	34.2	19.9
FS HiSOY	HS 13E40	E3	1.3	13-Sep	67	1.0	62	72	32.5	19.5	--	--	--	--
FS HiSOY	HS 18E30	E3	1.8	16-Sep	73	1.0	66	80	30.8	20.2	79	1.0	31.7	20.6
FS HiSOY	HS 18F40	XF	1.8	16-Sep	*81	1.0	*77	84	31.5	20.6	--	--	--	--
FS HiSOY	HS 20E40	E3	2.0	15-Sep	*82	1.0	*83	82	31.2	20.7	--	--	--	--
FS HiSOY	HS 22F40	XF	2.2	18-Sep	77	1.0	75	80	32.6	19.5	--	--	--	--
FS HiSOY	HS 24F40	XF	2.4	19-Sep	*79	1.0	71	*87	32.8	19.8	--	--	--	--
FS HiSOY	HS 25E30	E3	2.5	19-Sep	*82	1.0	*80	84	30.9	21.0	*87	1.0	32.9	20.5
FS HiSOY	HS 28E10	E3	2.8	26-Sep	*80	1.0	70	*90	32.4	19.7	*89	1.0	33.9	19.4
FS HiSOY	HS 28F30	XF	2.8	25-Sep	*79	1.0	*78	79	32.8	19.3	85	1.0	33.6	19.8
FS HiSOY	HS 29E40	E3	2.9	23-Sep	72	1.0	64	80	31.8	19.6	--	--	--	--
Genesis	G2570ES	E3	2.5	21-Sep	77	1.0	75	81	31.9	20.3	*88	1.0	33.3	20.1
Genesis	G2790E	E3	2.7	21-Sep	77	1.0	76	80	31.6	20.6	--	--	--	--
Genesis	G2960E	E3	2.9	21-Sep	*84	1.0	*79	*89	32.0	19.8	--	--	--	--

Table 2 Continued. 2024 Southern Region Glyphosate Tolerant Soybean Trial (2 of 3)

Brand (Entrant)	Entry	Herbicide Trait[1]	Maturity Group	Maturity Date[2]	2024 2 - Test Average[3] Yield (bu/A)	2024 2 - Test Average[3] Lodging (1-5)	2024 Yields Arlington (bu/A)	2024 Yields Platteville (bu/A)	2024 Composition[2] Protein (%)	2024 Composition[2] Oil (%)	2023 2 - Test Average[4] Yield (bu/A)	2023 2 - Test Average[4] Lodging (1-5)	2023 Composition[2] Protein (%)	2023 Composition[2] Oil (%)
Golden Harvest	GH2674E3	E3	2.6	21-Sep	*81	1.0	74	*88	31.1	20.1	80	1.0	32.3	19.9
Golden Harvest	GH2775E3	E3	2.7	27-Sep	*79	1.0	73	*85	32.3	20.0	--	--	--	--
Loyal Brand	L2070E	E3	2.0	15-Sep	74	1.0	67	81	30.9	20.6	--	--	--	--
Loyal Brand	L2160E	E3	2.1	15-Sep	72	1.0	66	78	31.4	20.9	--	--	--	--
Loyal Brand	L2370E	E3	2.3	17-Sep	70	1.0	66	74	32.2	19.9	--	--	--	--
Loyal Brand	L2560E	E3	2.5	20-Sep	77	1.0	73	81	31.5	20.0	--	--	--	--
NK	NK19-T8E3S	E3	1.9	14-Sep	70	1.0	67	73	31.3	20.6	79	1.0	33.5	20.4
NK	NK21-C2E3	E3	2.1	16-Sep	77	1.0	73	82	31.7	19.8	84	1.0	34.2	19.7
NK	NK23-P1E3	E3	2.3	17-Sep	76	1.0	71	82	31.3	20.2	--	--	--	--
NK	NK26-M6E3	E3	2.6	20-Sep	*81	1.0	76	*86	31.2	20.0	*87	1.0	32.6	19.9
NK	NK27-J5E3	E3	2.7	23-Sep	77	1.0	72	83	32.7	20.0	--	--	--	--
O'Brien	O'SOY2024EL-3	E3	2.0	16-Sep	72	1.0	71	74	30.9	20.5	83	1.0	33.4	20.3
O'Brien	O'SOY2523EL-3	E3	2.5	19-Sep	77	1.0	72	84	32.0	20.3	84	1.0	33.2	20.1
P3 Genetics	2424E	E3	2.4	20-Sep	*82	1.0	*78	*86	31.8	19.7	85	1.0	33.0	19.7
P3 Genetics	2325E	E3	2.5	21-Sep	*79	1.0	74	84	32.1	20.1	84	1.0	33.3	20.1
P3 Genetics	2527E	E3	2.7	25-Sep	*82	1.0	*81	82	31.7	20.6	--	--	--	--
P3 Genetics	2429E	E3	2.9	30-Sep	*83	1.0	*80	*85	32.1	19.7	80	1.0	32.8	19.7
Renk	RS255NXF	XF	2.5	21-Sep	*84	1.0	*79	*89	33.1	19.7	--	--	--	--
Stine	19EC12	E3	1.9	15-Sep	77	1.0	*78	76	30.8	20.6	--	--	--	--
Stine	19EG92	E3	1.9	15-Sep	*78	1.0	75	82	30.9	20.2	--	--	--	--
Stine	21EG32	E3	2.1	16-Sep	71	1.0	68	75	31.6	20.7	--	--	--	--
Stine	22EG02	E3	2.2	16-Sep	*79	1.0	*78	80	32.1	20.4	--	--	--	--
Stine	24EG23	E3	2.4	20-Sep	*79	1.0	74	83	31.3	19.8	83	1.0	32.6	19.9
Stine	25EG23	E3	2.5	18-Sep	*80	1.0	*79	81	32.3	19.7	--	--	--	--
Stine	28EG32	E3	2.8	25-Sep	*79	1.0	74	83	32.1	19.9	--	--	--	--
Tracy	2055E	E3	2.0	14-Sep	70	1.0	63	77	31.1	20.7	--	--	--	--
Tracy	2255E	E3	2.2	15-Sep	72	1.0	65	79	29.9	20.5	--	--	--	--
Tracy	2355E	E3	2.3	19-Sep	73	1.0	72	73	32.4	19.8	--	--	--	--
Tracy	2655E	E3	2.6	21-Sep	*81	1.0	*79	83	31.8	20.1	--	--	--	--
Tracy	2754E	E3	2.7	27-Sep	*81	1.0	*79	84	31.7	20.0	--	--	--	--
Xitavo	X0 1822E	E3	1.8	13-Sep	75	1.0	71	80	31.8	20.5	77	1.0	33.9	20.2
Xitavo	X0 2181E	E3	2.1	15-Sep	75	1.0	72	78	30.6	20.7	85	1.0	32.7	20.8
Xitavo	X0 2282E	E3	2.2	18-Sep	*78	1.0	75	82	31.4	20.6	78	1.0	33.6	20.1
Xitavo	X0 2305E	E3	2.3	19-Sep	*79	1.0	69	*88	31.6	20.6	--	--	--	--

Table 2 Continued. 2024 Southern Region Glyphosate Tolerant Soybean Trial (3 of 3)

Brand (Entrant)	Entry	Herbicide Trait[1]	Maturity Group	Maturity Date[2]	2024 2 - Test Average[3] Yield (bu/A)	2024 2 - Test Average[3] Lodging (1-5)	2024 Yields Arlington (bu/A)	2024 Yields Platteville (bu/A)	2024 Composition[2] Protein (%)	2024 Composition[2] Oil (%)	2023 2 - Test Average[4] Yield (bu/A)	2023 2 - Test Average[4] Lodging (1-5)	2023 Composition[2] Protein (%)	2023 Composition[2] Oil (%)
Xitavo	X0 2444E	E3	2.4	20-Sep	*82	1.0	*79	84	31.6	20.3	78	1.0	33.4	19.9
Xitavo	X0 2625E	E3	2.6	23-Sep	74	1.0	70	79	32.3	20.3	--	--	--	--
Xitavo	X0 2735E	E3	2.7	25-Sep	73	1.0	71	75	31.8	19.5	--	--	--	--
Xitavo	X0 2832E	E3	2.8	23-Sep	*81	1.0	*77	*86	32.3	19.5	*91	1.0	33.5	19.7
Xitavo	X0 2865E	E3	2.8	30-Sep	*79	1.0	74	84	33.1	19.2	--	--	--	--
Xitavo	X0 2985E	E3	2.9	30-Sep	77	1.0	74	82	30.8	20.2	--	--	--	--
			Mean	19-Sep	78	1.0	73	82	31.7	20.2	82	1.0	33.6	19.9
			LSD(0.10)	--	6	--	6	5	0.5	0.3	6	--	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

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

[3] The Clinton site was abandoned due to excessive rain, ponding, and slug damage.

[4] Drought conditions caused high field variability in Arlington. Only Clinton and Platteville were included in the multi-test yield average.

Table 3. 2024 Central Region Glyphosate Tolerant Soybean Trial (1 of 3)

Brand	Entry	Herbicide Trait[1]	Maturity Group	Maturity Date[2]	2024 3 - Test Average Yield (bu/A)	2024 3 - Test Average Lodging (1-5)	2024 Yields Fond du Lac (bu/A)	2024 Yields Galesville (bu/A)	2024 Yields Wautoma (bu/A)	2024 Composition[2] Protein (%)	2024 Composition[2] Oil (%)	2023 3 - Test Average[3] Yield (bu/A)	2023 3 - Test Average[3] Lodging (1-5)	2023 Composition[4] Protein (%)	2023 Composition[4] Oil (%)
Apex	AE1940	E3	1.9	2-Oct	*61	1.0	77	74	32	32.2	20.6	--	--	--	--
Apex	AE2220	E3	2.2	2-Oct	58	1.0	74	73	28	32.9	21.1	76	1.0	31.1	20.6
Asgrow	AG16XF5	XF	1.6	2-Oct	60	1.0	75	72	34	33.2	20.0	--	--	--	--
Asgrow	AG19XF3	XF	1.9	25-Sep	60	1.0	75	71	34	33.6	21.0	--	--	--	--
Asgrow	AG20XF4	XF	2.0	2-Oct	55	1.0	62	64	35	33.0	19.6	--	--	--	--
Asgrow	AG21XF2	XF	2.1	5-Oct	59	1.0	*78	66	32	34.2	20.2	*82	1.0	32.7	20.1
BioGene	BG9185E3	E3	1.8	2-Oct	59	1.0	76	73	28	32.4	20.7	--	--	--	--
DONMARIO (GDM)	DM22E64	E3	2.2	27-Sep	*64	1.0	76	*77	*40	32.8	21.5	--	--	--	--
DONMARIO (GDM)	DM24E84	E3	2.4	20-Sep	*63	1.0	76	*75	*38	33.0	21.0	--	--	--	--
Dyna-Gro	S18EN35	E3	1.8	27-Sep	58	1.0	72	65	*37	32.4	20.8	--	--	--	--
Dyna-Gro	S19XF45	XF	1.9	2-Oct	*65	1.0	76	*86	32	32.7	21.2	--	--	--	--
FS HiSOY	HS 12F30	XF	1.2	2-Oct	51	1.0	65	68	20	34.5	19.9	77	1.0	32.6	20.2
FS HiSOY	HS 13E40	E3	1.3	7-Oct	55	1.0	67	66	31	34.2	19.7	--	--	--	--
FS HiSOY	HS 18E30	E3	1.8	2-Oct	59	1.0	75	71	31	32.3	20.8	77	1.0	29.6	20.9
FS HiSOY	HS 18F40	XF	1.8	27-Sep	*66	1.0	*82	*79	*36	32.7	21.2	--	--	--	--
FS HiSOY	HS 20E40	E3	2.0	2-Oct	*66	1.0	*80	*83	*38	31.9	21.3	--	--	--	--
FS HiSOY	HS 22F40	XF	2.2	2-Oct	*66	1.0	*78	*84	*37	33.8	20.2	--	--	--	--
FS HiSOY	HS 24F40	XF	2.4	2-Oct	*62	1.0	74	*81	32	34.5	20.2	--	--	--	--
Genesis	G1950E	E3	1.9	22-Sep	*62	1.0	77	*79	31	33.0	20.3	*78	1.0	30.8	20.5
Genesis	G1980E	E3	1.9	2-Oct	60	1.0	*79	71	30	32.3	20.8	--	--	--	--
Genesis	G2180E	E3	2.1	27-Sep	57	1.0	76	68	28	33.1	21.1	75	1.0	31.7	20.8
Golden Harvest	GH1973E3	E3	1.9	2-Oct	60	1.0	77	64	*38	31.8	21.4	74	1.0	30.6	20.6
Golden Harvest	GH2004XF	XF	2.0	2-Oct	*67	1.0	*81	*81	*40	31.4	21.5	*78	1.0	30.4	21.0
Golden Harvest	GH2292E3	E3	2.2	5-Oct	*62	1.0	*78	71	*38	33.7	20.4	*81	1.0	31.7	20.0
Golden Harvest	GH2315E3	E3	2.3	2-Oct	*66	1.0	*79	*84	34	31.8	20.9	--	--	--	--
Legacy Seeds	LS154-24	XF	1.5	27-Sep	58	1.0	75	*76	25	33.5	20.1	--	--	--	--
Legacy Seeds	LS194-23	XF	1.9	2-Oct	*67	1.0	*84	*81	*36	32.8	20.9	*81	1.0	30.5	20.7

Table 3 Continued. 2024 Central Region Glyphosate Tolerant Soybean Trial (2 of 3)

Brand	Entry	Herbicide Trait[1]	Maturity Group	Maturity Date[2]	2024 3 - Test Average Yield (bu/A)	2024 3 - Test Average Lodging (1-5)	2024 Yields Fond du Lac (bu/A)	2024 Yields Galesville (bu/A)	2024 Yields Wautoma (bu/A)	2024 Composition[2] Protein (%)	2024 Composition[2] Oil (%)	2023 3 - Test Average[3] Yield (bu/A)	2023 3 - Test Average[3] Lodging (1-5)	2023 Composition[4] Protein (%)	2023 Composition[4] Oil (%)
Loyal Brand	L1540E	E3	1.5	24-Sep	*62	1.0	76	*76	34	33.2	20.5	*78	1.0	31.5	20.7
Loyal Brand	L1670E	E3	1.6	22-Sep	60	1.0	76	67	*37	32.6	21.1	--	--	--	--
Loyal Brand	L1860E	E3	1.8	2-Oct	*62	1.0	77	*77	32	32.4	20.5	--	--	--	--
Loyal Brand	L2070E	E3	2.0	2-Oct	60	1.0	77	*76	26	32.5	20.9	--	--	--	--
Loyal Brand	L2160E	E3	2.1	2-Oct	57	1.0	69	69	33	32.8	20.8	--	--	--	--
NK	NK16-Z6E3	E3	1.6	7-Oct	57	1.0	65	73	34	33.0	20.4	75	1.0	31.0	20.4
NK	NK18-R4E3S	E3	1.8	2-Oct	59	1.0	72	67	*36	34.5	19.5	--	--	--	--
NK	NK19-T8E3S	E3	1.9	2-Oct	60	1.0	*81	71	29	32.7	20.9	74	1.0	31.0	20.7
NK	NK21-C2E3	E3	2.1	27-Sep	*65	1.0	77	*80	*39	34.0	20.3	*83	1.0	31.7	20.0
O'Brien	O'SOY1524EL-3	E3	1.5	27-Sep	54	1.0	75	70	17	34.3	20.4	73	1.0	31.9	20.5
O'Brien	O'SOY2024EL-3	E3	2.0	27-Sep	57	1.0	*78	64	28	32.4	21.3	73	1.0	29.8	20.8
O'Brien	O'SOY2523EL-3	E3	2.5	2-Oct	*63	1.0	*78	*78	33	32.2	20.7	*81	1.0	30.9	20.5
Renk	RS194XF	XF	1.9	2-Oct	*65	1.0	*83	*79	34	32.7	21.0	*83	1.0	31.2	20.5
Stine	17EE32	E3	1.7	25-Sep	59	1.0	67	72	*38	33.0	20.8	*78	1.0	31.1	20.7
Stine	19EC12	E3	1.9	2-Oct	*62	1.0	*79	73	34	32.1	21.4	*80	1.0	29.8	21.2
Stine	19EG92	E3	1.9	2-Oct	60	1.0	76	65	*39	31.9	20.8	--	--	--	--
Stine	20EG02	E3	2.0	7-Oct	*63	1.0	76	73	*39	31.8	21.6	--	--	--	--
Stine	24EG23	E3	2.4	27-Sep	*61	1.0	75	68	*41	32.0	20.7	--	--	--	--
Tracy	1654E	E3	1.6	27-Sep	50	1.0	68	64	18	33.7	20.6	77	1.0	31.7	20.7
Tracy	1655E	E3	1.6	27-Sep	60	1.0	75	71	35	33.4	20.7	--	--	--	--
Tracy	1854E	E3	1.8	2-Oct	54	1.0	68	59	*36	30.7	21.8	76	1.0	30.3	21.2
Tracy	2055E	E3	2.0	25-Sep	60	1.0	76	74	30	32.2	21.1	--	--	--	--
Tracy	2255E	E3	2.2	27-Sep	52	1.0	63	64	28	31.4	20.8	--	--	--	--
Tracy	2355E	E3	2.3	22-Sep	57	1.0	74	67	28	33.2	20.3	--	--	--	--
Xitavo	XO 1095E	E3	1.0	22-Sep	54	1.0	62	64	*37	33.1	21.1	--	--	--	--
Xitavo	XO 1225E	E3	1.2	27-Sep	53	1.0	65	65	30	34.4	19.6	--	--	--	--
Xitavo	XO 1372E	E3	1.3	27-Sep	55	1.0	72	67	27	32.4	21.3	76	1.0	30.8	21.5

Table 3 Continued. 2024 Central Region Glyphosate Tolerant Soybean Trial (3 of 3)

Brand	Entry	Herbicide Trait[1]	Maturity Group	Maturity Date[2]	2024 3 - Test Average Yield (bu/A)	2024 3 - Test Average Lodging (1-5)	2024 Yields Fond du Lac (bu/A)	2024 Yields Galesville (bu/A)	2024 Yields Wautoma (bu/A)	2024 Composition[2] Protein (%)	2024 Composition[2] Oil (%)	2023 3 - Test Average[3] Yield (bu/A)	2023 3 - Test Average[3] Lodging (1-5)	2023 Composition[4] Protein (%)	2023 Composition[4] Oil (%)
Xitavo	XO 1404E	E3	1.4	27-Sep	60	1.0	76	72	33	34.5	19.7	73	1.0	31.7	20.3
Xitavo	XO 1545E	E3	1.5	27-Sep	*62	1.0	75	*77	35	34.9	19.2	--	--	--	--
Xitavo	XO 1632E	E3	1.6	2-Oct	*61	1.0	*80	67	*37	32.9	20.8	*80	1.0	32.4	20.0
Xitavo	XO 1822E	E3	1.8	2-Oct	*63	1.0	74	73	*41	32.8	20.9	*79	1.0	31.7	20.4
Xitavo	XO 2181E	E3	2.1	27-Sep	*63	1.0	70	*85	35	32.7	21.1	*80	1.0	30.2	20.9
Xitavo	XO 2282E	E3	2.2	2-Oct	*67	1.0	*80	*79	*43	33.1	21.2	*80	1.0	31.0	20.5
Xitavo	XO 2305E	E3	2.3	2-Oct	*64	1.0	*80	71	*43	32.2	21.4	--	--	--	--
Xitavo	XO 2444E	E3	2.4	2-Oct	*66	1.0	*85	*78	*36	32.5	21.0	*79	1.0	30.7	20.4
			Mean	29-Sep	60	1.0	75	73	33	32.9	20.7	77	1.0	31.3	20.5
			LSD(0.10)	--	6	--	7	11	7	0.7	0.3	5	--	0.8	0.4

* 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

[2] Maturity date, protein, and oil determined at the Wautoma site in 2024.

[3] Protein, and oil determined at the Fond du Lac site in 2023.

Wautoma yields were significantly reduced from high soybean cyst nematode pressure and environmental factors.

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

Table 4. 2024 North Central Region Glyphosate Tolerant Soybean Trial (1 of 2)

Brand	Entry	Herbicide Trait[1]	Maturity Group	Maturity Date[2]	2024 3 - Test Average Yield (bu/A)	2024 3 - Test Average Lodging (1-5)	2024 Yields Marshfield (bu/A)	2024 Yields Menomonie (bu/A)	2024 Yields Seymour (bu/A)	2024 Composition[2] Protein (%)	2024 Composition[2] Oil (%)	2023 3 - Test Average Yield (bu/A)	2023 3 - Test Average Lodging (1-5)	2023 Composition[2] Protein (%)	2023 Composition[2] Oil (%)
Apex	AE1220	E3	1.2	28-Sep	*70	1.0	*77	*62	*70	36.3	18.0	71	1.0	36.2	18.2
Apex	AE1250	E3	1.2	28-Sep	59	1.0	68	54	55	34.0	18.1	--	--	--	--
Apex	AE1410	E3	1.4	28-Sep	*66	1.0	71	59	68	32.6	19.6	70	1.0	34.1	19.0
Apex	AE1710	E3	1.7	22-Sep	63	1.0	70	57	62	33.6	18.7	72	1.0	34.5	18.3
Asgrow	AG12XF5	XF	1.2	28-Sep	65	1.0	67	*60	67	34.1	18.5	--	--	--	--
Asgrow	AG14XF4	XF	1.4	28-Sep	65	1.0	*78	56	60	33.4	18.3	--	--	--	--
Asgrow	AG16XF5	XF	1.6	22-Sep	*66	1.0	*78	*62	55	33.7	18.2	--	--	--	--
Asgrow	AG17XF5	XF	1.7	28-Sep	*71	1.0	*81	*65	67	33.8	18.6	--	--	--	--
Asgrow	AG19XF3	XF	1.9	28-Sep	61	1.0	63	59	62	32.5	19.9	--	--	--	--
BioGene	BG9150E3	E3	1.5	2-Oct	*68	1.0	*75	58	*71	33.9	18.8	--	--	--	--
Genesis	G1260E	E3	1.2	28-Sep	*70	1.0	*81	58	*71	36.2	18.0	*74	1.0	36.1	18.3
Genesis	G1290E	E3	1.2	26-Sep	*68	1.0	*76	55	*74	34.3	17.9	--	--	--	--
Genesis	G1560E	E3	1.5	28-Sep	*69	1.0	*79	*60	68	33.6	18.9	*73	1.0	35.8	17.8
Genesis	G1590E	E3	1.5	28-Sep	65	1.0	69	57	67	36.5	16.6	--	--	--	--
Genesis	G1760E	E3	1.7	28-Sep	*69	1.0	*75	57	*75	34.7	18.4	66	1.0	36.1	17.5
Golden Harvest	GH1534E3	E3	1.5	26-Sep	*67	1.0	*78	56	68	33.6	19.0	70	1.0	34.3	18.7
Golden Harvest	GH1555XF	XF	1.5	28-Sep	*68	1.0	*76	*64	66	32.3	18.8	--	--	--	--
Golden Harvest	GH1614E3	E3	1.6	28-Sep	*71	1.0	*78	*60	*75	34.4	17.7	--	--	--	--
Legacy Seeds	LS112-24	E3	1.1	28-Sep	63	1.0	70	57	64	32.9	19.2	--	--	--	--
Legacy Seeds	LS132-24	E3	1.3	28-Sep	59	1.0	62	54	61	33.2	19.7	--	--	--	--
Legacy Seeds	LS144-24	XF	1.4	30-Sep	*66	1.0	70	*60	69	34.0	18.3	--	--	--	--
Legacy Seeds	LS154-24	XF	1.5	23-Sep	64	1.0	72	55	64	32.8	19.0	--	--	--	--
Legacy Seeds	LS194-23	XF	1.9	2-Oct	*71	1.0	*82	59	*72	32.8	19.5	*74	1.0	33.8	18.7
Loyal Brand	L1070E	E3	1.0	28-Sep	63	1.0	74	51	62	35.3	18.3	--	--	--	--
Loyal Brand	L1160E	E3	1.1	22-Sep	55	1.0	55	52	58	34.5	18.7	68	1.0	35.7	18.6
Loyal Brand	L1270E	E3	1.2	28-Sep	64	1.0	74	57	62	34.1	18.1	--	--	--	--
Loyal Brand	L1540E	E3	1.5	28-Sep	*67	1.0	74	56	*70	34.0	18.9	*73	1.0	35.5	18.0
Loyal Brand	L1670E	E3	1.6	28-Sep	*68	1.0	*77	52	*76	34.1	19.0	--	--	--	--
Loyal Brand	L1860E	E3	1.8	2-Oct	*68	1.0	*81	52	*72	31.9	19.1	--	--	--	--
Loyal Brand	L2070E	E3	2.0	2-Oct	*69	1.0	*79	56	*72	33.7	19.1	--	--	--	--
NK	NK08-Z4E3	E3	0.8	26-Sep	64	1.0	*77	54	61	35.2	17.6	--	--	--	--

Table 4 Continued. 2024 North Central Region Glyphosate Tolerant Soybean Trial (2 of 2)

Brand	Entry	Herbicide Trait[1]	Maturity Group	Maturity Date[2]	2024 3 - Test Average Yield (bu/A)	2024 3 - Test Average Lodging (1-5)	2024 Yields Marshfield (bu/A)	2024 Yields Menomonie (bu/A)	2024 Yields Seymour (bu/A)	2024 Composition[2] Protein (%)	2024 Composition[2] Oil (%)	2023 3 - Test Average Yield (bu/A)	2023 3 - Test Average Lodging (1-5)	2023 Composition[2] Protein (%)	2023 Composition[2] Oil (%)
NK	NK11-A4E3	E3	1.1	28-Sep	*67	1.0	70	59	*71	32.7	19.3	71	1.0	34.1	19.1
NK	NK14-U5E3	E3	1.4	2-Oct	*70	1.0	*81	59	*72	34.2	18.0	--	--	--	--
NK	NK15-G9E3S	E3	1.5	22-Sep	62	1.0	67	55	65	33.4	19.1	--	--	--	--
O'Brien	O'SOY1524EL-3	E3	1.5	2-Oct	64	1.0	73	59	60	33.5	18.8	*74	1.0	35.0	18.3
Renk	RS155NXF	XF	1.5	28-Sep	64	1.0	71	59	61	33.6	18.6	--	--	--	--
Stine	10EG20	E3	1.0	28-Sep	55	1.0	61	42	62	34.2	18.2	--	--	--	--
Stine	11EC02	E3	1.1	26-Sep	65	1.0	64	*64	67	32.1	19.7	*75	1.7	34.0	18.9
Stine	13EG23	E3	1.3	2-Oct	*70	1.0	*82	*64	65	32.1	19.5	--	--	--	--
Stine	15EE32	E3	1.5	28-Sep	65	1.0	74	57	65	34.2	18.6	69	1.0	36.1	17.5
Stine	17EE32	E3	1.7	28-Sep	*69	1.0	74	59	*72	33.6	18.9	64	1.0	36.1	17.7
Tracy	1055E	E3	1.0	26-Sep	64	1.0	*75	55	63	34.9	18.4	--	--	--	--
Tracy	1255E	E3	1.2	26-Sep	60	1.0	67	54	59	34.0	18.1	--	--	--	--
Tracy	1654E	E3	1.6	28-Sep	*66	1.0	*75	55	68	33.8	18.8	--	--	--	--
Tracy	1655E	E3	1.6	2-Oct	65	1.0	70	55	*71	33.6	19.3	--	--	--	--
Tracy	1854E	E3	1.8	2-Oct	64	1.0	73	51	69	31.9	19.8	--	--	--	--
Xitavo	XO 0993E	E3	0.9	26-Sep	56	1.0	61	51	55	33.4	18.9	67	1.0	35.7	18.2
Xitavo	XO 1095E	E3	1.0	2-Oct	*66	1.0	74	57	66	35.2	18.3	--	--	--	--
Xitavo	XO 1225E	E3	1.2	28-Sep	59	1.0	68	51	58	34.4	17.9	--	--	--	--
Xitavo	XO 1372E	E3	1.3	28-Sep	65	1.0	*75	58	61	32.4	19.8	*76	1.2	34.4	19.0
Xitavo	XO 1404E	E3	1.4	2-Oct	65	1.0	*75	58	64	33.6	18.4	66	1.0	35.2	18.0
Xitavo	XO 1545E	E3	1.5	2-Oct	62	1.0	67	54	63	36.8	16.5	--	--	--	--
Xitavo	XO 1632E	E3	1.6	30-Sep	*67	1.0	*79	57	65	34.1	18.8	70	1.0	35.5	18.0
		Mean		28-Sep	65	1.0	73	56	66	33.8	18.6	71	1.0	35.0	18.4
		LSD(0.10)		--	5	--	7	5	6	0.7	0.4	6	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

[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. 2024 Northern Region Glyphosate Tolerant Soybean Trial (1 of 2)

				2024 3 - Test Average			2024 Yields			2024 Composition[2]		2023 3 - Test Average		2023 Composition[2]	
Brand	Entry	Herbicide Trait[1]	Maturity Group	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	26-Sep	52	1.0	68	42	45	33.9	18.2	51	1.0	35.3	18.0
Apex	AE0930	E3	0.9	23-Sep	46	1.0	55	40	44	33.1	19.1	51	1.0	34.9	18.7
Apex	AE1140	E3	1.1	27-Sep	42	1.0	44	38	42	33.9	19.0	--	--	--	--
Asgrow	AG10XF4	XF	1.0	28-Sep	*55	1.0	*72	43	50	33.3	18.2	--	--	--	--
Asgrow	AG12XF4	XF	1.2	29-Sep	*58	1.0	*75	43	*57	32.9	19.2	--	--	--	--
Asgrow	AG14XF4	XF	1.4	1-Oct	*53	1.0	68	41	*51	33.4	18.4	--	--	--	--
BioGene	BG9124E3	E3	1.2	26-Sep	49	1.0	66	37	45	33.0	19.1	--	--	--	--
Genesis	G0750E	E3	0.7	26-Sep	*54	1.0	*69	*45	48	35.0	18.5	--	--	--	--
Genesis	G0880E	E3	0.8	24-Sep	47	1.0	55	38	46	33.4	18.8	50	1.0	35.6	18.5
Genesis	G1260E	E3	1.2	30-Sep	*58	1.0	*75	*48	*51	36.0	18.0	52	1.0	36.2	18.3
Genesis	G1290E	E3	1.2	30-Sep	*55	1.0	*71	43	*51	33.8	18.1	--	--	--	--
Golden Harvest	GH0734E3	E3	0.7	27-Sep	46	1.0	52	43	44	33.2	18.5	--	--	--	--
Golden Harvest	GH0815E3	E3	0.8	24-Sep	*57	1.0	*75	*48	48	35.6	17.6	--	--	--	--
Golden Harvest	GH1194E3	E3	1.1	29-Sep	*54	1.0	*70	42	49	32.3	19.3	50	1.0	34.3	19.1
Legacy Seeds	LS094-24	XF	0.9	27-Sep	*59	1.0	*75	*47	*53	33.3	18.5	--	--	--	--
Legacy Seeds	LS112-24	E3	1.1	25-Sep	*53	1.0	66	43	50	32.3	19.4	--	--	--	--
Legacy Seeds	LS124-23	XF	1.2	29-Sep	*55	1.0	*69	41	*54	34.4	18.3	46	1.0	36.0	18.1
Loyal Brand	L0870E	E3	0.8	26-Sep	48	1.0	57	*46	41	33.0	18.9	--	--	--	--
Loyal Brand	L1070E	E3	1.0	28-Sep	*58	1.0	*76	*46	*53	34.9	18.3	--	--	--	--
Loyal Brand	L1160E	E3	1.1	24-Sep	50	1.0	59	41	50	34.4	18.8	50	1.0	34.8	19.0
Loyal Brand	L1270E	E3	1.2	29-Sep	*53	1.0	*69	43	46	34.1	18.1	--	--	--	--
NK	NK06-A1E3	E3	0.6	23-Sep	52	1.0	*71	39	46	32.8	19.3	--	--	--	--
NK	NK07-G5E3	E3	0.7	24-Sep	45	1.0	50	40	45	33.4	18.5	48	1.0	34.6	18.5
NK	NK08-Z4E3	E3	0.8	24-Sep	*57	1.0	*70	*47	*54	34.9	17.8	--	--	--	--
NK	NK11-A4E3	E3	1.1	30-Sep	*55	1.0	67	*44	*54	32.1	19.4	52	1.0	33.8	19.3

Table 5 Continued. 2024 Northern Region Glyphosate Tolerant Soybean Trial (2 of 2)

Brand	Entry	Herbicide Trait[1]	Maturity Group	2024 3 - Test Average Maturity Date	2024 3 - Test Average Yield (bu/A)	2024 3 - Test Average Lodging (1-5)	2024 Yields Marshfield (bu/A)	2024 Yields Spooner dryland (bu/A)	2024 Yields Spooner Irrigated (bu/A)	2024 Composition[2] Protein (%)	2024 Composition[2] Oil (%)	2023 3 - Test Average Yield (bu/A)	2023 3 - Test Average Lodging (1-5)	2023 Composition[2] Protein (%)	2023 Composition[2] Oil (%)
Stine	08EG62	E3	0.8	28-Sep	49	1.0	61	*44	44	32.9	19.0	--	--	--	--
Stine	10EG20	E3	1.0	27-Sep	45	1.0	54	38	43	34.0	18.3	--	--	--	--
Stine	11EC02	E3	1.1	25-Sep	*57	1.0	*72	*48	49	31.8	19.6	*55	1.0	33.5	19.3
Stine	13EG23	E3	1.3	29-Sep	*56	1.0	*71	*46	*53	31.8	19.6	--	--	--	--
Xitavo	XO 0554E	E3	0.5	25-Sep	50	1.0	63	40	46	33.0	19.3	48	1.0	34.2	19.1
Xitavo	XO 0602E	E3	0.6	26-Sep	*55	1.0	*72	43	*51	33.9	18.1	51	1.0	35.5	17.9
Xitavo	XO 0993E	E3	0.9	25-Sep	47	1.0	55	40	46	32.9	19.1	48	1.0	35.7	18.5
Xitavo	XO 1095E	E3	1.0	27-Sep	*57	1.0	*76	42	*52	34.8	18.5	--	--	--	--
Xitavo	XO 1225E	E3	1.2	30-Sep	50	1.0	60	40	50	33.6	18.1	--	--	--	--
			Mean	26-Sep	52	1.0	66	43	49	33.6	18.7	50	1.0	35.1	18.5
			LSD(0.10)	--	6	--	7	4	6	0.5	0.2	4	--	0.6	0.4

* 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

[2] Protein and oil determined at the Marshfield site.

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

Table 6. 2024 Southern Region Conventional Soybean Trial (1 of 2)

Brand	Entry	Herbicide Trait[1]	Maturity Group	Maturity Date[2]	2024 2 - Test Average Yield (bu/A)	2024 2 - Test Average Lodging (1-5)	2024 Yields Arlington (bu/A)	2024 Yields Platteville (bu/A)	2024 Composition[2] Protein (%)	2024 Composition[2] Oil (%)	2023 2 - Test Average Yield (bu/A)	2023 2 - Test Average Lodging (1-5)	2023 Composition[2] Protein (%)	2023 Composition[2] Oil (%)
Benson Hill	e17y993	CN	1.7	15-Sep	74	1.0	71	77	34.6	19.2	--	--	--	--
Benson Hill	e1993	CN	1.9	19-Sep	72	1.0	69	75	31.9	19.5	--	--	--	--
Benson Hill	e21y989	CN	2.1	17-Sep	67	1.0	61	73	34.7	19.6	--	--	--	--
Benson Hill	BH22Q201	CN	2.2	19-Sep	71	1.0	69	73	38.7	18.2	--	--	--	--
Benson Hill	BH23H228	CN	2.3	18-Sep	*78	1.0	*74	81	35.2	19.7	--	--	--	--
Benson Hill	N23D217	CN	2.3	15-Sep	67	1.0	63	72	36.8	18.3	--	--	--	--
Iowa State	IAS25C2	CN	2.5	20-Sep	*82	1.0	*81	*84	30.9	20.1	--	--	--	--
Iowa State	IAS27C1	CN	2.7	23-Sep	*77	1.0	*76	78	32.3	20.0	--	--	--	--
Iowa State	IAS29C1	CN	2.9	20-Sep	*80	1.0	*77	83	32.8	20.1	--	--	--	--
Iowa State	IAS29C2	CN	2.9	25-Sep	*77	1.0	*75	79	32.8	20.2	--	--	--	--
Iowa State	IAS31C2	CN	3.1	26-Sep	*77	1.0	*76	78	30.9	20.7	--	--	--	--
Kennell Seed Farms	GG16G15	CN	1.6	7-Sep	62	1.0	56	67	32.1	20.7	--	--	--	--
Kennell Seed Farms	GG23G21	CN	2.3	17-Sep	71	1.3	65	78	32.1	20.2	--	--	--	--
Kennell Seed Farms	KS2624	CN	2.6	20-Sep	*77	1.3	*76	78	32.1	19.6	--	--	--	--
Legacy Seeds	LS191-23C	CN	1.9	14-Sep	75	1.0	71	78	31.0	20.4	80	1.0	33.1	20.0
Public	Marathon	CN	1.5	16-Sep	55	1.5	52	58	35.1	18.6	56	1.4	36.4	18.3
Public	Sauk	CN	2.0	19-Sep	58	2.0	51	65	32.8	19.4	60	1.0	35.0	18.6
Public	W16-5282B	CN	2.8	20-Sep	65	1.0	63	68	34.1	19.1	74	1.0	35.7	18.7
Public	Rock[3]	CN	2.9	23-Sep	59	1.1	59	58	.	.	62	1.5	.	.
SB&B	SB700	CN	0.7	4-Sep	50	1.0	46	55	35.5	19.2	--	--	--	--
SB&B	SB1270	CN	1.2	10-Sep	56	1.0	55	56	33.0	20.3	75	1.1	35.0	19.9
SB&B	SB712	CN	1.2	4-Sep	58	1.0	54	63	35.2	19.6	--	--	--	--
SB&B	SB19	CN	1.5	10-Sep	63	1.0	57	69	32.6	19.9	72	2.2	34.4	19.8
Viking/Blue River	1718N	CN	1.7	13-Sep	72	1.0	69	75	31.4	20.5	76	1.0	32.4	20.4
Viking/Blue River	19B5	CN	1.9	15-Sep	*76	1.0	*73	79	30.5	20.7	--	--	--	--

Table 6 Continued. 2024 Southern Region Conventional Soybean Trial (2 of 2)

Brand	Entry	Herbicide Trait[1]	Maturity Group	Maturity Date[2]	2024 2 - Test Average Yield (bu/A)	2024 2 - Test Average Lodging (1-5)	2024 Yields Arlington (bu/A)	2024 Yields Platteville (bu/A)	2024 Composition[2] Protein (%)	2024 Composition[2] Oil (%)	2023 2 - Test Average Yield (bu/A)	2023 2 - Test Average Lodging (1-5)	2023 Composition[2] Protein (%)	2023 Composition[2] Oil (%)
Viking/Blue River	2022N	CN	2.0	15-Sep	*80	1.0	*75	*86	30.9	20.9	83	1.0	32.1	20.7
Viking/Blue River	23B5	CN	2.3	15-Sep	72	1.0	64	80	31.7	20.4	--	--	--	--
Viking/Blue River	2418N	CN	2.4	18-Sep	*77	1.0	69	*84	31.3	20.2	84	1.0	33.6	19.1
Viking/Blue River	27B4	CN	2.7	24-Sep	*80	1.0	71	*88	31.3	20.3	--	--	--	--
check	12258	XF	2.1	15-Sep	*79	1.0	*77	82	32.4	20.0	--	--	--	--
check	12289	E3	2.5	23-Sep	*80	1.0	*77	*84	31.6	20.6	--	--	--	--
check	12047	E3	2.8	23-Sep	*79	1.0	72	*86	32.1	20.1	--	--	--	--
			Mean	16-Sep	71	1.1	67	75	32.9	19.9	76	1.2	33.8	19.8
			LSD(0.10)	--	6	NS	8	5	0.6	0.4	6	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 : CN = conventional, XF = dicamba/glufosinate/glyphosate, E3 = glufosinate/glyphosate/2,4-D

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

[3] 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. 2024 North Central Region Conventional Tolerant Soybean Trial

Brand	Entry	Herbicide Trait[1]	Maturity Group	2024 Menomonie Maturity Date	2024 Menomonie Yield (bu/A)	2024 Menomonie Lodging (1-5)	2024 Menomonie Protein (%)	2024 Menomonie Oil (%)	2023 Menomonie Yield (bu/A)	2023 Menomonie Lodging (1-5)	2023 Menomonie Protein (%)	2023 Menomonie Oil (%)
Legacy Seeds	LS151-24	CN	1.5	14-Sep	48	1.0	32.6	20.3	--	--	--	--
Legacy Seeds	LS191-23C	CN	1.9	24-Sep	*52	1.0	33.2	19.6	76	1.0	32.9	19.8
Public	Marathon	CN	1.5	27-Sep	40	1.0	38.1	17.2	61	1.0	36.1	18.1
SB&B	SB700	CN	0.7	9-Sep	37	1.0	37.5	18.2	63	3.8	34.5	19.5
SB&B	SB1270	CN	1.2	22-Sep	*55	1.0	35.7	18.8	67	2.8	34.8	19.5
SB&B	SB712	CN	1.2	9-Sep	39	1.0	36.7	18.4	--	--	--	--
SB&B	SB19	CN	1.5	12-Sep	*49	1.0	35.4	18.2	49	3.3	34.5	19.0
Viking/Blue River	1202N	CN	1.2	14-Sep	43	1.0	35.7	18.4	62	1.0	35.1	18.7
Viking/Blue River	1223N	CN	1.2	20-Sep	*54	1.0	32.4	19.8	79	1.8	32.1	20.1
Viking/Blue River	12A2	CN	1.2	6-Sep	*51	1.0	35.2	18.7	--	--	--	--
Viking/Blue River	15B5	CN	1.5	17-Sep	*50	1.0	33.2	20.0	--	--	--	--
Viking/Blue River	1718N	CN	1.7	14-Sep	*52	1.0	33.7	19.6	52	2.0	33.1	19.8
check	12170	E3	1.1	6-Sep	48	1.0	33.3	19.7	*88	3.5	32.0	20.6
check	12040	E3	1.3	17-Sep	47	1.0	33.7	20.1	--	--	--	--
check	12365	XF	1.9	24-Sep	*57	1.0	34.0	19.6	--	--	--	--
		Mean		15-Sep	48	1.0	34.7	19.1	69	2.0	34.2	19.4
		LSD(0.10)		--	8	--	0.5	0.3	7	1.0	0.7	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

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

Table 8. 2024 Arlington Early Maturity Group Trial

Brand	Entry	Herbicide Trait[1]	Maturity Group	2024 Arlington Maturity Date	2024 Arlington Yield (bu/A)	2024 Arlington Lodging (1-5)	2024 Arlington Protein (%)	2024 Arlington Oil (%)	2023 Arlington Yield (bu/A)	2023 Arlington Lodging (1-5)	2023 Arlington Protein (%)	2023 Arlington Oil (%)
FS HiSOY	HS 12F30	XF	1.2	8-Sep	66	1.0	32.0	20.5	--	--	--	--
Genesis	G1260E	E3	1.2	12-Sep	*71	1.0	34.0	19.9	--	--	--	--
Legacy Seeds	LS144-24	XF	1.4	13-Sep	65	1.0	33.2	19.6	--	--	--	--
Legacy Seeds	LS154-24	XF	1.5	13-Sep	66	1.0	31.8	20.2	--	--	--	--
Loyal Brand	L1270E	E3	1.2	10-Sep	62	1.0	32.9	19.5	--	--	--	--
Loyal Brand	L1540E	E3	1.5	13-Sep	63	1.0	31.8	20.6	--	--	--	--
NK	NK11-A4E3	E3	1.1	13-Sep	69	1.0	31.5	20.6	--	--	--	--
Stine	11EC02	E3	1.1	9-Sep	63	1.0	30.5	21.0	*86	1.0	33.3	20.1
Xitavo	XO 0554E	E3	0.5	3-Sep	53	1.0	32.1	20.7		--	--	--
Xitavo	XO 0602E	E3	0.6	3-Sep	67	1.0	33.3	19.3		--	--	--
Xitavo	XO 0993E	E3	0.9	5-Sep	50	1.0	31.7	20.6		--	--	--
Xitavo	XO 1095E	E3	1.0	7-Sep	65	1.0	32.9	20.5	--	--	--	--
Xitavo	XO 1225E	E3	1.2	12-Sep	58	1.0	32.7	19.7	--	--	--	--
Xitavo	XO 1372E	E3	1.3	13-Sep	57	1.0	30.8	21.3	*81	1.0	33.3	20.5
Xitavo	XO 1404E	E3	1.4	13-Sep	*76	1.0	32.6	19.6	76	1.0	34.6	19.0
		Mean		9-Sep	63	1.0	32.3	20.2	77	1.0	33.7	19.9
		LSD(0.10)		--	6	--	0.4	0.2	9	--	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

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

Table 9. 2024 Seed Source for Soybean Entries

Brand	Company	Phone Number	Website
Apex	Brunner Seed Inc.	(715) 672-5887	www.brunnerseed.com
Asgrow	Bayer Crop Science	(715) 495-7246	www.agseedselect.com
Benson Hill	Benson Hill	(515) 505-2891	www.bensonhillfarmers.com
BioGene	Van Treeck's Seed Farm	(920) 467-2422	www.biogeneseeds.com
Burrus	Burrus Bros & Associated Growers	(815) 482-1257	www.burrusseed.com
Cornelius	Cornelius Seed	(563) 542-0975	www.corneliusseed.com
DONMARIO (Burrus)	Burrus Bros & Associated Growers	(815) 482-1257	www.burrusseed.com
DONMARIO (GDM)	GDM Seeds, Inc.	(815) 302-5739	www.donmarioseeds.com
Dyna-Gro	Dyna-Gro Seed	(217) 343-3630	www.dynagroseed.com
FS HiSOY	GROWMARK, Inc.	(815) 866-1447	www.fsseed.com
Genesis	MS Technologies	(608) 513-0293	www.renkseed.com
Golden Harvest	Golden Harvest	(402) 429-9063	www.goldenharvestseeds.com
Iowa State	Iowa State University	(515) 212-0115	www.cad.iastate.edu
Kennell Seed Farms	Kennell Seed Farms	(608) 379-0585	
Legacy Seeds	Legacy Seeds Inc.	(715) 538-3238	www.legacyseeds.com
Loyal Brand	MS Technologies	(715) 538-3238	www.legacyseeds.com
NK	Syngenta	(715) 307-8452	www.nkseeds.com
O'Brien	O'Brien Hybrids	(608) 576-3685	www.obrienhybrids.com
P3 Genetics	MS Technologies	(563) 542-0975	www.corneliusseed.com
Public	WI Foundation Seeds	(608) 846-3761	www.wisconsinfoundationseeds.wisc.edu
Renk	Renk Seed	(608) 513-0293	www.renkseed.com
SB&B	SB&B Foods Inc.	(715) 928-1623	www.sb-b.com
Stine	Stine Seed Company	(608) 387-3954	www.stineseed.com
Tracy	Tracy Seeds, LLC	(608) 289-1082	www.tracyseeds.com
Viking/Blue River	Albert Lea Seed	(800) 352-5247	www.alseed.com
Xitavo	MS Technologies	(309) 212-5454	www.xitavosoybeanseed.com

Table 10. 2024 Temperature and Precipitation Summary

Trial Location	Average Mean Temperature (° F)					Total Precipitation (inches)					
	May	June	July	August	September		May	June	July	August	September
Arlington	60.9	68.9	70.5	69.8	65.2		7.2	9.3	4.7	2.8	2.3
Departure	3.4	1.4	-0.5	0.8	3.8	Departure	3.0	4.2	0.5	-1.0	-1.0
Clinton	60.6	69.2	68.0	67.7	64.3		4.9	8.1	6.9	2.4	1.3
Departure	2.5	1.1	-3.4	-1.7	1.8	Departure	0.6	2.7	3.1	-1.7	-2.6
Fond du Lac	59.2	68.1	70.1	69.6	66.3		6.8	7.2	4.9	4.3	1.1
Departure	3.3	2.1	-0.1	1.2	5.4	Departure	3.4	2.9	1.2	0.8	-2.1
Galesville (Trempealeau)	61.4	68.9	72.6	71.7	66.9		5.7	7.9	6.1	5.8	1.7
Departure	2.6	0.5	0.2	1.5	4.4	Departure	1.3	3.6	1.5	1.7	-2.1
Marshfield	57.9	65.0	68.5	67.5	63.7		6.6	8.3	3.8	6.0	2.4
Departure	2.2	-0.5	-1.2	0.0	4.4	Departure	2.4	3.6	-0.1	2.0	-1.5
Menomonie	58.3	65.5	70.1	68.4	64.8		5.2	9.3	2.4	6.1	0.6
Departure	2.0	-0.8	-0.5	0.1	4.6	Departure	0.6	4.2	-1.6	2.1	-3.0
Platteville (Lancaster)	60.5	69.0	70.2	70.4	66.0		7.0	7.0	5.6	2.3	2.1
Departure	2.4	1.2	-1.2	0.9	4.1	Departure	2.6	1.1	0.5	-1.5	-2.0
Seymour (Green Bay)	59.7	68.5	71.6	69.9	65.8		5.1	4.5	3.9	5.7	0.8
Departure	3.2	2.1	1.1	1.3	4.8	Departure	1.8	0.4	0.3	2.3	-2.4
Spooner*	57.3	64.2	69.0	67.2	64.6		3.9	6.1	3.1	4.1	0.6
Departure	2.1	-0.7	0.0	0.1	5.8	Departure	-0.2	1.8	-0.9	0.2	-3.0
						Irrigation	0.0	0.0	0.0	1.5	0.8
Wautoma* (Hancock)	59.0	67.2	69.6	68.7	64.7		7.9	3.7	5.1	6.5	1.8
Departure	2.4	0.9	-0.5	0.4	4.3	Departure	3.7	-1.2	1.0	2.5	-1.5
						Irrigation	0.0	0.0	0.9	0.5	0.9

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

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

Table 11. 2024 Characteristics of Soybean Varieites (1 of 6)

Brand	Entry	Maturity Group	Herbicide Trait	Performance Shown in Table(s)	Seed Treatment(s)	SCN Source[2]	PRR Genes[3]	Color[4]			
								Flower	Pubescence	Pod	Hilum
Apex	AE0720	0.7	E3	5	Brute 4000S, Heads Up	PI 88788	--	P	G	T	BF
Apex	AE0930	0.9	E3	5	Brute 4000S, Heads Up	Peking	Rps 3-a	P	G	T	BF
Apex	AE1140	1.1	E3	5	Brute 4000S, Heads Up	Peking	Rps 3-a	P	G	T	BF
Apex	AE1220	1.2	E3	4	Brute 4000S, Heads Up	PI 88788	Rps 1-c	P	G	T	IB
Apex	AE1250	1.2	E3	4	Brute 4000S, Heads Up	PI 88788	HRps 3-a, Rps 1-c	P	G	T	IB
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
Apex	AE1940	1.9	E3	3	Brute 4000S, Heads Up	Peking	Rps 1-k	W	G	T	BF
Apex	AE2220	2.2	E3	3	Brute 4000S, Heads Up	PI 88788	Rps 1-k	W	G	T	BF
Asgrow	AG10XF4	1.0	XF	5	Acceleron F/I, ILEVO	PI 88788	Rps 1-c	P	G	BR	IB
Asgrow	AG12XF4	1.2	XF	5	Acceleron F/I, ILEVO	PI 88788	Rps 1-c	P	G	BR	IB
Asgrow	AG12XF5	1.2	XF	4	Acceleron F/I, ILEVO	PI 88788	Rps 3-a	P	LTW	BR	BR
Asgrow	AG14XF4	1.4	XF	4,5	Acceleron F/I, ILEVO	PI 88788	Rps 1-c	P	G	BR	BF
Asgrow	AG16XF5	1.6	XF	3,4	Acceleron F/I, ILEVO	PI 88788	Rps 1-c	P	T	BR	BR
Asgrow	AG17XF5	1.7	XF	4	Acceleron F/I, ILEVO	PI 88788	Rps 1-c	P	LTW	BR	BL
Asgrow	AG19XF3	1.9	XF	3,4	Acceleron F/I, ILEVO	PI 88788	Rps 1-c	P	G	BR	IB
Asgrow	AG20XF4	2.0	XF	2,3	Acceleron F/I, ILEVO	PI 88788	Rps 1-c	W	LTW	BR	BL
Asgrow	AG21XF2	2.1	XF	2,3	Acceleron F/I, ILEVO	PI 88788	Rps 3-a	P	LTW	T	BR
Asgrow	AG22XF5	2.2	XF	2	Acceleron F/I, ILEVO	PI 88788	Rps 1-c	P	LTW	BR	BL
Asgrow	AG24XF1	2.4	XF	2	Acceleron F/I, ILEVO	PI 88788	Rps 1-c	P	G	T	G
Asgrow	AG24XF4	2.4	XF	2	Acceleron F/I, ILEVO	PI 88788	Rps 1-c	P	G	BR	IB
Asgrow	AG25XF5	2.5	XF	2	Acceleron F/I, ILEVO	PI 88788	Rps 1-c	P	G	BR	IB
Asgrow	AG26XF4	2.6	XF	2	Acceleron F/I, ILEVO	PI 88788	Rps 1-c	P	G	BR	IB
Benson Hill	e17y993	1.7	CN	6	Cruisermaxx APX, Saltro	PI 88788	--	P	G	BR	Y
Benson Hill	e1993	1.9	CN	6	Cruisermaxx APX, Saltro	PI 88788	Rps 1-k	P	G	BR	IB
Benson Hill	e21y989	2.1	CN	6	Cruisermaxx APX, Saltro	PI 88788	--	W	G	T	Y
Benson Hill	BH22Q201	2.2	CN	6	Cruisermaxx APX, Saltro	PI 88788	--	--	--	--	BR
Benson Hill	BH23H228	2.3	CN	6	Cruisermaxx APX, Saltro	PI 88788	--	P	G	T	Y
Benson Hill	N23D217	2.3	CN	6	Cruisermaxx APX, Saltro	PI 88788	--	--	--	--	--
BioGene	BG9124E3	1.2	E3	5	Arma	Peking	Rps 3-a	P	G	T	BF
BioGene	BG9150E3	1.5	E3	4	Arma	PI 88788	Rps 3-a	P	G	T	BF
BioGene	BG9185E3	1.8	E3	3	Arma	Peking	Rps 1-k	P	G	T	BF
Burrus	2084E	2.0	E3	2	Burrus PowerShield	Peking	Rps 3-a	P	G	T	--
Burrus	2335E	2.3	E3	2	Burrus PowerShield	PI 88788	Rps 1-a, 3-a	P	LTW	T	BL

Table 11 Continued. 2024 Characteristics of Soybean Varieites (2 of 6)

Brand	Entry	Maturity Group	Herbicide Triat	Performance Shown in Table(s)	Seed Treatment(s)	SCN Source[2]	PRR Genes[3]	Color[4]			
								Flower	Pubescence	Pod	Hilum
Burrus	2681E	2.6	E3	2	Burrus PowerShield	Peking	Rps 1-k	P	LTW	T	BL
Burrus	2729E	2.7	E3	2	Burrus PowerShield	Peking	Rps 1-k	P	LTW	BR	BR
Cornelius	CB24XF75	2.4	XF	2	Profit Guard Plus	PI 88788	Rps 1-c, 3-a	--	--	--	--
Cornelius	CB25XF99	2.5	XF	2	Profit Guard Plus	PI 88788	Rps 1-c	--	--	--	--
DONMARIO (Burrus)	DM24E84	2.4	E3	2	Burrus PowerShield	PI 88788	Rps 1-k	P	LTW	BR	BR
DONMARIO (GDM)	DM22E64	2.2	E3	2,3	CruiserMaxx APX, ILEVO	PI 88788	Rps 1-k	P	LTW	BR	BR
DONMARIO (GDM)	DM24E84	2.4	E3	2,3	CruiserMaxx APX, ILEVO	PI 88788	Rps 1-k	P	LTW	BR	BR
Dyna-Gro	S18EN35	1.8	E3	3	Equity Vayo, Saltro	Peking	Rps 1-k	P	G	T	BF
Dyna-Gro	S19XF45	1.9	XF	3	Equity Vayo, Saltro	PI 88788	--	P	LTW	T	BL
Dyna-Gro	S22XF95	2.2	XF	2	Equity Vayo, Saltro	PI 88788	Rps 1-c	W	LTW	BR	BL
Dyna-Gro	S23EN05	2.3	E3	2	Equity Vayo, Saltro	PI 88788	Rps 1-c, 3-a	P	LTW	T	BL
Dyna-Gro	S25EN74	2.5	E3	2	Equity Vayo, Saltro	Peking	Rps 1-k	P	LTW	T	BL
FS HiSOY	HS 12F30	1.2	XF	2,3,8	Acceleron F/I, Saltro	PI 88788	Rps 1-c	P	G	T	BF
FS HiSOY	HS 13E40	1.3	E3	2,3	Acceleron F/I, Saltro	PI 88788	Rps 1-c, 3-a	P	G	T	IB
FS HiSOY	HS 18E30	1.8	E3	2,3	Acceleron F/I, Saltro	Peking	Rps 1-k	P	G	T	BF
FS HiSOY	HS 18F40	1.8	XF	2,3	Acceleron F/I, Saltro	PI 88788	--	P	LTW	T	BL
FS HiSOY	HS 20E40	2.0	E3	2,3	Acceleron F/I, Saltro	PI 88788	Rps 3-a	P	LTW	BR	BR
FS HiSOY	HS 22F40	2.2	XF	2,3	Acceleron F/I, Saltro	PI 88788	Rps 1-c	P	LTW	T	BL
FS HiSOY	HS 24F40	2.4	XF	2,3	Acceleron F/I, Saltro	PI 88788	Rps 1-c, 3-a	P	G	BR	IB
FS HiSOY	HS 25E30	2.5	E3	2	Acceleron F/I, Saltro	Peking	Rps 1-k	P	LTW	T	BL
FS HiSOY	HS 28E10	2.8	E3	2	Acceleron F/I, Saltro	PI 88788	Rps 1-k	P	G	BR	IB
FS HiSOY	HS 28F30	2.8	XF	2	Acceleron F/I, Saltro	PI 88788	--	P	LTW	BR	BL
FS HiSOY	HS 29E40	2.9	E3	2	Acceleron F/I, Saltro	Peking	Rps 1-k	P	G	T	IB
Genesis	G0750E	0.7	E3	5	EclipseUS Trio	PI 88788	Rps 1-c, 3-a	P	G	BR	BF
Genesis	G0880E	0.8	E3	5	EclipseUS Trio	Peking	Rps 3-a	P	G	BR	BF
Genesis	G1260E	1.2	E3	4,5,8	EclipseUS Trio	PI 88788	Rps 1-c	P	G	T	IB
Genesis	G1290E	1.2	E3	4,5	EclipseUS Trio	--	--	--	--	--	--
Genesis	G1560E	1.5	E3	4	EclipseUS Trio	PI 88788	Rps 3-a	P	G	T	BF
Genesis	G1590E	1.5	E3	4	EclipseUS Trio	--	--	--	--	--	--
Genesis	G1760E	1.7	E3	4	EclipseUS Trio	PI 88788	Rps 3-a	P	G	T	BF
Genesis	G1950E	1.9	E3	3	EclipseUS Trio	PI 88788	Rps 1-k	P	LTW	BR	BL
Genesis	G1980E	1.9	E3	3	EclipseUS Trio	Peking	Rps 1-k	P	G	T	BF
Genesis	G2180E	2.1	E3	3	EclipseUS Trio, Saltro	PI 88788	Rps 1-a, 3-a	P	G	BR	BF
Genesis	G2570ES	2.5	E3	2	EclipseUS Trio, Saltro	PI 88788	Rps 1-a	P	G	BR	BF

Table 11 Continued. 2024 Characteristics of Soybean Varieites (3 of 6)

Brand	Entry	Maturity Group	Herbicide Triat	Performance Shown in Table(s)	Seed Treatment(s)	SCN Source[2]	PRR Genes[3]	Color[4]			
								Flower	Pubescence	Pod	Hilum
Genesis	G2790E	2.7	E3	2	EclipseUS Trio, Saltro	--	--	--	--	--	--
Genesis	G2960E	2.9	E3	2	EclipseUS Trio, Saltro	PI 88788	Rps 1-k	P	G	BR	IB
Golden Harvest	GH0734E3	0.7	E3	5	CruiserMaxx APX, Saltro	Peking	Rps 1-k, 3-a	P	G	T	BF
Golden Harvest	GH0815E3	0.8	E3	5	CruiserMaxx APX, Saltro	PI 88788	Rps 1-k	P	G	T	IB
Golden Harvest	GH1194E3	1.1	E3	5	CruiserMaxx APX, Saltro	PI 88788	Rps 1-k, 3-a	W	G	T	BF
Golden Harvest	GH1534E3	1.5	E3	4	CruiserMaxx APX, Saltro	Peking	Rps 1-k	P	G	BR	IB
Golden Harvest	GH1555XF	1.5	XF	4	CruiserMaxx APX, Saltro	PI 88788	Rps 1-c, 3-a	P	LTW	BR	BL
Golden Harvest	GH1614E3	1.6	E3	4	CruiserMaxx APX, Saltro	Peking	Rps 1-c, 3-a	P	G	T	IB
Golden Harvest	GH1973E3	1.9	E3	3	CruiserMaxx APX, Saltro	Peking	Rps 1-k	P	G	BR	IB
Golden Harvest	GH2004XF	2.0	XF	3	CruiserMaxx APX, Saltro	PI 88788	Rps 1-c	W	LTW	BR	BL
Golden Harvest	GH2292E3	2.2	E3	3	CruiserMaxx APX, Saltro	PI 88788	Rps 1-c	P	G	BR	IB
Golden Harvest	GH2315E3	2.3	E3	3	none	Peking	Rps 1-c, 3-a	P	G	T	BF
Golden Harvest	GH2674E3	2.6	E3	2	CruiserMaxx APX, Saltro	PI 88788	Rps 1-c	W	G	T	BF
Golden Harvest	GH2775E3	2.7	E3	2	CruiserMaxx APX, Saltro	PI 88788	Rps 1-c	P	G	BR	IB
Iowa State	IAS25C2	2.5	CN	6	CruiserMaxx APX, Saltro	--	--	--	--	--	--
Iowa State	IAS27C1	2.7	CN	6	CruiserMaxx APX, Saltro	--	--	--	--	--	--
Iowa State	IAS29C1	2.9	CN	6	CruiserMaxx APX, Saltro	--	--	--	--	--	--
Iowa State	IAS29C2	2.9	CN	6	CruiserMaxx APX, Saltro	--	--	--	--	--	--
Iowa State	IAS31C2	3.1	CN	6	CruiserMaxx APX, Saltro	Peking	--	--	--	--	--
Kennell Seed Farms	GG16G15	1.6	CN	6	none	PI 88788	--	P	G	G	IB
Kennell Seed Farms	GG23G21	2.3	CN	6	none	PI 88788	--	P	TW	TW	Y
Kennell Seed Farms	KS2624	2.6	CN	6	none	PI 88788	--	P	G	BR	Y
Legacy Seeds	LS094-24	0.9	XF	5	L-Coat Total	PI 88788	Rps 1-c	P	LTW	T	BL
Legacy Seeds	LS112-24	1.1	E3	4,5	L-Coat Total	PI 88788	Rps 1-k, 3-a	W	G	T	BF
Legacy Seeds	LS124-23	1.2	XF	5	L-Coat Total	PI 88788	Rps 1-c	P	G	T	BF
Legacy Seeds	LS132-24	1.3	E3	4	L-Coat Total	Peking	Rps 1-k	P	LTW	BR	BL
Legacy Seeds	LS144-24	1.4	XF	4,8	L-Coat Total	PI 88788	Rps 1-k, 3-a	P	LTW	T	BL
Legacy Seeds	LS151-24	1.5	CN	7	L-Coat Total	Peking	Rps 1-a	P	LTW	BR	BL
Legacy Seeds	LS154-24	1.5	XF	3,4,8	L-Coat Total	PI 88788	Rps 1-c, 3-a	P	G	T	IB
Legacy Seeds	LS191-23C	1.9	CN	6,7	L-Coat Total	PI 88788	Rps 1-c	W	LTW	T	BL
Legacy Seeds	LS194-23	1.9	XF	3,4	L-Coat Total	PI 88788	--	P	LTW	T	BL
Loyal Brand	L0870E	0.8	E3	5	L-Coat Total	PI 88788	Rps 1-c	P	G	BR	IB
Loyal Brand	L1070E	1.0	E3	4,5	L-Coat Total	PI 88788	HRps 1-c	P	G	T	IB

Table 11 Continued. 2024 Characteristics of Soybean Varieites (4 of 6)

Brand	Entry	Maturity Group	Herbicide Triat	Performance Shown in Table(s)	Seed Treatment(s)	SCN Source[2]	PRR Genes[3]	Color[4]			
								Flower	Pubescence	Pod	Hilum
Loyal Brand	L1160E	1.1	E3	4,5	L-Coat Total	Peking	Rps 3-a	P	T	T	BF
Loyal Brand	L1270E	1.2	E3	4,5,8	L-Coat Total	PI 88788	HRps 3-a, Rps 1-c	P	T	T	IB
Loyal Brand	L1540E	1.5	E3	3,4,8	L-Coat Total	PI 88788	Rps 3-a	P	G	T	BF
Loyal Brand	L1670E	1.6	E3	3,4	L-Coat Total	PI 88788	Rps 1-c	P	G	T	IB
Loyal Brand	L1860E	1.8	E3	3,4	L-Coat Total	Peking	Rps 1-k	P	G	T	BF
Loyal Brand	L2070E	2.0	E3	2,3,4	L-Coat Total	Peking	Rps 3-a	P	G	T	IB
Loyal Brand	L2160E	2.1	E3	2,3	L-Coat Total	PI 88788	Rps 1-c, 3-a	P	G	BR	BF
Loyal Brand	L2370E	2.3	E3	2	L-Coat Total	Peking	--	P	G	T	IB
Loyal Brand	L2560E	2.5	E3	2	L-Coat Total	PI 88788	Rps 1-c	P	G	BR	IB
NK	NK06-A1E3	0.6	E3	5	Cruisermaxx APX, Saltro	PI 88788	Rps 1-c, 3-a	P	G	T	IB
NK	NK07-G5E3	0.7	E3	5	Cruisermaxx APX, Saltro	Peking	Rps 1-k, 3-a	P	G	T	BF
NK	NK08-Z4E3	0.8	E3	4,5	Cruisermaxx APX, Saltro	PI 88788	Rps 1-k	P	G	T	IB
NK	NK11-A4E3	1.1	E3	4,5,8	Cruisermaxx APX, Saltro	PI 88788	Rps 1-k, 3-a	W	G	T	BF
NK	NK14-U5E3	1.4	E3	4	Cruisermaxx APX, Saltro	Peking	Rps 1-c, 3-a	P	G	T	BF
NK	NK15-G9E3S	1.5	E3	4	Cruisermaxx APX, Saltro	Peking	Rps 1-k	P	G	BR	IB
NK	NK16-Z6E3	1.6	E3	3	Cruisermaxx APX, Saltro	Peking	Rps 1-c, 3-a	P	G	T	IB
NK	NK18-R4E3S	1.8	E3	3	Cruisermaxx APX, Saltro	PI 88788	Rps 1-c, 3-a	W	G	T	BF
NK	NK19-T8E3S	1.9	E3	2,3	Cruisermaxx APX, Saltro	Peking	Rps 1-k	P	G	BR	IB
NK	NK21-C2E3	2.1	E3	2,3	Cruisermaxx APX, Saltro	PI 88788	Rps 1-c	P	G	BR	IB
NK	NK23-P1E3	2.3	E3	2	none	Peking	Rps 1-c, 3-a	P	G	T	BF
NK	NK26-M6E3	2.6	E3	2	Cruisermaxx APX, Saltro	PI 88788	Rps 1-c	W	G	T	BF
NK	NK27-J5E3	2.7	E3	2	Cruisermaxx APX, Saltro	PI 88788	Rps 1-c	P	G	BR	IB
O'Brien	O'SOY1524EL-3	1.5	E3	3,4	EclipseUS Quad	PI 88788	Rps 3-a	P	G	BR	IB
O'Brien	O'SOY2024EL-3	2.0	E3	2,3	EclipseUS Quad	PI 88788	Rps 1-k	P	LTW	BR	BL
O'Brien	O'SOY2523EL-3	2.5	E3	2,3	EclipseUS Quad	PI 88788	Rps 1-a	P	G	BR	BF
P3 Genetics	2424E	2.4	E3	2	Profit Guard Plus	PI 88788	Rps 1-k	--	--	--	--
P3 Genetics	2325E	2.5	E3	2	Profit Guard Plus	PI 88788	Rps 1-a	--	--	--	--
P3 Genetics	2527E	2.7	E3	2	Profit Guard Plus	Peking	Rps 1-k	--	--	--	--
P3 Genetics	2429E	2.9	E3	2	Profit Guard Plus	PI 88788	--	--	--	--	--
Public	Marathon	1.5	CN	6,7	none	--	--	P	TW	TW	BL
Public	Sauk	2.0	CN	6	none	--	--	P	LTW	LTW	CL
Public	W16-5282B	2.8	CN	6	none	--	--	P	LTW	LTW	BL

Table 11 Continued. 2024 Characteristics of Soybean Varieites (5 of 6)

Brand	Entry	Maturity Group	Herbicide Triat	Performance Shown in Table(s)	Seed Treatment(s)	SCN Source[2]	PRR Genes[3]	Color[4]			
								Flower	Pubescence	Pod	Hilum
Public	Rock	2.9	CN	6	none	--	--	P	TW	TW	BL(BL seed coat)
Renk	RS155NXF	1.5	XF	4	EclipseUS Trio	--	--	--	--	--	--
Renk	RS194XF	1.9	XF	3	EclipseUS Trio	PI 88788	--	P	LTW	T	BL
Renk	RS255NXF	2.5	XF	2	EclipseUS Trio, Saltro	--	--	--	--	--	--
SB&B	SB700	0.7	CN	6,7	CruiserMaxx	--	Rps 1-c	P	G	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
Stine	08EG62	0.8	E3	5	SoyStar Elite, Saltro	PI 88788	Rps 1-c	P	G	--	IB
Stine	10EG20	1.0	E3	4,5	SoyStar Elite, Saltro	PI 88788	--	P	G	--	IB
Stine	11EC02	1.1	E3	4,5,8	SoyStar Elite, Saltro	PI 88788	--	P	G	--	IB
Stine	13EG23	1.3	E3	4,5	SoyStar Elite, Saltro	PI 88788	Rps 1-c	M	G	--	IB
Stine	15EE32	1.5	E3	4	SoyStar Elite, Saltro	PI 88788	Rps 3-a	P	G	--	BF
Stine	17EE32	1.7	E3	3,4	SoyStar Elite, Saltro	PI 88788	Rps 3-a	P	G	--	BF
Stine	19EC12	1.9	E3	2,3	SoyStar Elite, Saltro	PI 88788	Rps 1-k	P	G	--	IB
Stine	19EG92	1.9	E3	2,3	SoyStar Elite, Saltro	Peking	Rps 1-k	P	G	--	BF
Stine	20EG02	2.0	E3	3	SoyStar Elite, Saltro	PI 88788	Rps 1-a	P	LTW	--	BL
Stine	21EG32	2.1	E3	2	SoyStar Elite, Saltro	PI 88788	Rps 1-k	P	LTW	--	BR
Stine	22EG02	2.2	E3	2	SoyStar Elite, Saltro	PI 88788	--	P	G	--	IB
Stine	24EG23	2.4	E3	2,3	SoyStar Elite, Saltro	PI 88788	Rps 1-k	W	G	--	BF
Stine	25EG23	2.5	E3	2	SoyStar Elite, Saltro	PI 88788	Rps 1-c	P	G	--	IB
Stine	28EG32	2.8	E3	2	SoyStar Elite, Saltro	PI 88788	Rps 1-a, 1-k	P	G	--	IB
Tracy	1055E	1.0	E3	4	none	PI 88788	Rps 1-c	P	G	T	IB
Tracy	1255E	1.2	E3	4	none	PI 88788	Rps 1-c	P	G	T	IB
Tracy	1654E	1.6	E3	3,4	none	PI 88788	--	P	G	BR	IB
Tracy	1655E	1.6	E3	3,4	none	PI 88788	Rps 1-c	P	G	T	IB
Tracy	1854E	1.8	E3	3,4	none	Peking	Rps 1-k	P	LTW	BR	BL
Tracy	2055E	2.0	E3	2,3	none	Peking	Rps 3-a	P	G	T	IB
Tracy	2255E	2.2	E3	2,3	none	Peking	Rps 1-a	P	LTW	T	IB
Tracy	2355E	2.3	E3	2,3	none	Peking	Rps 1-k	P	G	T	IB
Tracy	2655E	2.6	E3	2	none	PI 88788	Rps 1-k	P	G	BR	IB
Tracy	2754E	2.7	E3	2	none	PI 88788	Rps 1-k	P	G	BR	IB
Viking/Blue River	1202N	1.2	CN	7	none	PI 88788	Rps 1-k	W	TW	BR	BR

Table 11 Continued. 2024 Characteristics of Soybean Varieites (6 of 6)

Brand	Entry	Maturity Group	Herbicide Triat	Performance Shown in Table(s)	Seed Treatment(s)	SCN Source[2]	PRR Genes[3]	Color[4]			
								Flower	Pubescence	Pod	Hilum
Viking/Blue River	1223N	1.2	CN	7	none	PI 88788	--	P	LTW	T	BL
Viking/Blue River	12A2	1.2	CN	7	none	--	--	W	TW	BR	BL
Viking/Blue River	15B5	1.5	CN	7	none	Peking	Rps 1-a	P	LTW	BR	BL
Viking/Blue River	1718N	1.7	CN	6,7	none	PI 88788	Rps 1-k	M	LTW	T	BR
Viking/Blue River	19B5	1.9	CN	6	none	PI 88788	Rps 1-c	W	LTW	T	BL
Viking/Blue River	2022N	2.0	CN	6	none	PI 88788	Rps 1-k	P	LTW	T	BL
Viking/Blue River	23B5	2.3	CN	6	none	Peking	Rps 1-c	P	LTW	BR	BL
Viking/Blue River	2418N	2.4	CN	6	none	PI 88788	Rps 1-c	P	LTW	BR	BL
Viking/Blue River	27B4	2.7	CN	6	none	PI 88788	Rps 1-c	W	LTW	T	BL
Xitavo	XO 0554E	0.5	E3	5,8	Obvius Plus, Poncho/Votivo, Relenya, ILEVO	PI 88788	Rps 1-k, 3-a	P	G	T	IB
Xitavo	XO 0602E	0.6	E3	5,8	Obvius Plus, Poncho/Votivo, Relenya, ILEVO	PI 88788	--	P	G	T	BF
Xitavo	XO 0993E	0.9	E3	4,5,8	Obvius Plus, Poncho/Votivo, Relenya, ILEVO	Peking	Rps 3-a	P	G	T	BF
Xitavo	XO 1095E	1.0	E3	3,4,5,8	Obvius Plus, Poncho/Votivo, Relenya, ILEVO	PI 88788	HRps 1-c	P	G	T	IB
Xitavo	XO 1225E	1.2	E3	3,4,5,8	Obvius Plus, Poncho/Votivo, Relenya, ILEVO	PI 88788	HRps 3-a, Rps 1-c	P	G	T	IB
Xitavo	XO 1372E	1.3	E3	3,4,8	Obvius Plus, Poncho/Votivo, Relenya, ILEVO	PI 88788	--	P	G	BR	IB
Xitavo	XO 1404E	1.4	E3	3,4,8	Obvius Plus, Poncho/Votivo, Relenya, ILEVO	PI 88788	Rps 1-c	P	G	T	IB
Xitavo	XO 1545E	1.5	E3	3,4	Obvius Plus, Poncho/Votivo, Relenya, ILEVO	Peking	Rps 1-c, 3-a	P	G	T	IB
Xitavo	XO 1632E	1.6	E3	3,4	Obvius Plus, Poncho/Votivo, Relenya, ILEVO	PI 88788	Rps 3-a	P	G	T	BF
Xitavo	XO 1822E	1.8	E3	2,3	Obvius Plus, Poncho/Votivo, Relenya, ILEVO	PI 88788	Rps 3-a	P	G	T	BF
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 2305E	2.3	E3	2,3	Obvius Plus, Poncho/Votivo, Relenya, ILEVO	PI 88788	--	P	LTW	T	BR
Xitavo	XO 2444E	2.4	E3	2,3	Obvius Plus, Poncho/Votivo, Relenya, ILEVO	PI 88788	Rps 1-a	P	G	BR	BF
Xitavo	XO 2625E	2.6	E3	2	Obvius Plus, Poncho/Votivo, Relenya, ILEVO	PI 88788	--	P	G	T	IB
Xitavo	XO 2735E	2.7	E3	2	Obvius Plus, Poncho/Votivo, Relenya, ILEVO	PI 88788	Rps 1-c	W	TW	BR	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 2865E	2.8	E3	2	Obvius Plus, Poncho/Votivo, Relenya, ILEVO	PI 88788	Rps 1-c	W	G	BR	BF
Xitavo	XO 2985E	2.9	E3	2	Obvius Plus, Poncho/Votivo, Relenya, ILEVO	PI 88788	Rps 1-k	P	G	T	BF

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

[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.

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This report is available in Microsoft Excel and Acrobat PDF formats at the Wisconsin Soybean Extension website: https://coolbean.info/soybean-research/variety-trial-results/

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