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# WISCONSIN
# Soybean Variety
# Performance Trials

# 2021

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

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# 2021 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, at row spacings listed in Table 1. Tests were conducted using a randomized complete block design with four replicates. Table 1 also lists the herbicides used for weed control in the conventional and glyphosate tolerant variety trials. The Janesville location was moved to Clinton for the 2021 season.

## Growing conditions

Wisconsin soybean growers experienced average growing conditions across much of the state in 2021. Below normal precipitation in April and May coupled with average temperatures expedited soybean planting. This rapid planting window was followed by erratic precipitation patterns across most of the state through September, with the southeastern portion of WI experiencing the driest conditions. Cooler weather in late May led to frost damage in some areas. The 2021 projected statewide average soybean yield is 54.0 bu/A, up 2.0 bu/A from 2020. Production is expected to be at 112 million bushels, which is above the record crop of 2016. Source: October 12, 2021 NASS report, www.nass.usda.gov

Statewide crop conditions were rated at about 73% good to excellent for most of the season. As of October 31st, 84% of the WI soybean crop had been harvested, which is ahead of the 5-year average. Marshfield had some Phytophthora root rot incidence. Sudden death syndrome was found at the Seymour and Menomonie sites, but the severity was low. The Fond du Lac site was lost to a May 29th killing frost. Yields at the Hancock site were highly variable due to undetermined field variation.

## 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. Seven to ten days of drying weather are generally required before soybeans are ready to harvest. Variety performance is presented by brand, and then from earliest to latest based on the company supplied relative maturity of the variety.

## Protein and oil

Seed samples from all varieties grown in select locations were collected and analyzed using a near infrared transmittance (NIRT) grain analyzer to determine grain composition. Our goal in providing this information is to increase soybean value transparency so producers can consider the protein and oil content of varieties planted as well as the yield. The factor that influences protein the most and that is under control of a producer is variety selection. Data from the Wisconsin Soybean Variety Tests indicates that proper variety selection can result in 200 more pounds per acre of protein and oil without compromising grain yield.

## Common Diseases of Wisconsin Soybean

### Phytophthora Root Rot

(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. Race 3 is the predominant form of Phytophthora in Wisconsin soils. Thus, the long-used Rps1-a gene is not providing protection 95% of the time. Race 4 occurs in 25% of Wisconsin soybean fields. Growers have an excellent chance of controlling race 3 by planting varieties with the Rps1-c or Rps1-k gene. The Rps1-k gene provides complete resistance against most races of Phytophthora found in Wisconsin. That being said, race 25 has been found here in Wisconsin, and the Rps1-k gene does not protect against that race. Many varieties express tolerance (partial resistance) to all races of Phytophthora, but varieties with this form of resistance are vulnerable in the early seedling phase. Certain fungicides 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 moderate incidence and severity of Phytophthora root and stem rot in Wisconsin in 2021.

**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 in central and northeast Wisconsin in 2021. White mold in southern Wisconsin was sporadic and likely did not cause much yield reduction except on some very 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 2021, BSR was occasionally found in fields in Wisconsin. 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 2021, 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 2021; 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 2021, 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 2021 than 2020 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.

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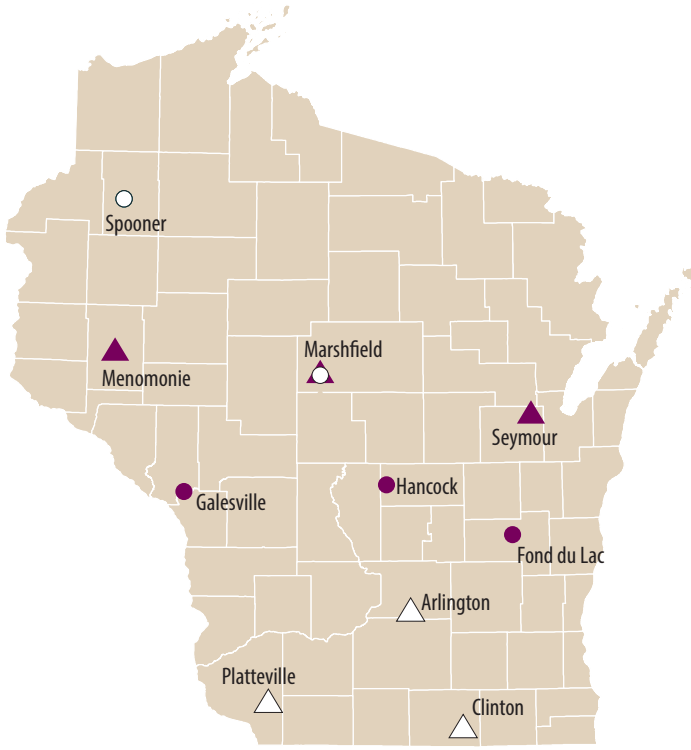
The yield of any two entries may differ because of chance factors (such as differences in fertility, moisture availability and diseases) even though the two entries do not have inherently different yielding abilities. As an aid in determining true differences in yield, the Least Significant Difference (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.




## 2021 Soybean Variety Trial Sites

**Northern Region**
Marshfield
Spooner

**North Central Region**
Marshfield
Menomonie
Seymour

**Central Region**
Fond du Lac
Galesville
Hancock

**Southern Region**
Arlington
Clinton
Platteville

# TABLE 1. General Information on the 2021 Soybean Trials



| Location: Trial | Cooperators | Row Spacing (in.) | Soil Test Results | | | | | Pesticide Applications | | Dates | | Average Yield (bu/A) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Soil Texture | pH | OM (%) | P (ppm) | K (ppm) | Pre-emergent / Pre-plant | Post-emergent | Planting | Harvest | 2021 | 2020 | 2020-21 |
| **Arlington:** Glyphosate Tolerant | Mike Bertram | 15 | Silt Loam | 7.0 | 3.2 | 55 | 111 | 2,4-D, glyphosate, Moccasin II Plus, Sonic | glyphosate, Select Max | 29-Apr | 20-Oct | 84 | 85 | 85 |
| **Arlington:** Glyphosate Tolerant (Early MG) | Mike Bertram | 15 | Silt Loam | 7.0 | 3.2 | 55 | 111 | 2,4-D, glyphosate, Moccasin II Plus, Sonic | glyphosate, Select Max | 29-Apr | 1-Oct | 70 | 83 | 77 |
| **Arlington:** Conventional Herbicide | Mike Bertram | 15 | Silt Loam | 7.0 | 3.2 | 55 | 111 | 2,4-D, glyphosate, Moccasin II Plus, Sonic | Raptor, Select Max | 29-Apr | 20-Oct | 71 | 77 | 74 |
| **Clinton:** Glyphosate Tolerant | Gary Sommers | 15 | Silt Loam | 6.3 | 3.5 | 49 | 152 | glyphosate, Zidua Pro | glyphosate, Select Max | 27-Apr | 30-Sep | 66 | -- | 66 |
| **Fond du Lac:** Glyphosate Tolerant | Ed Montsma | 15 | Silt Loam | -- | -- | -- | -- | This location had a killing frost on May 29th | | 28-Apr | -- | -- | 66 | 66 |
| **Galesville:** Glyphosate Tolerant | Ken Congdon | 15 | Silt Loam | 6.0 | 3.5 | 31 | 185 | Authority First, Dual II Magnum | glyphosate, Select Max | 10-May | 18-Oct | 69 | 82 | 76 |
| **Hancock:** Glyphosate Tolerant | Paul Sytsma | 15 | Sand | 5.6 | 0.6 | 93 | 106 | Dual II Magnum | glyphosate, Select Max, Warrant | 30-Apr | 1-Oct | 67 | 85 | 76 |
| **Marshfield:** Glyphosate Tolerant (North Central) | Jason Cavadini | 15 | Silt Loam | 6.6 | 3.8 | 59 | 106 | Parallel | glyphosate, Select Max, Warrant | 7-May | 19-Oct | 74 | 69 | 72 |
| **Marshfield:** Glyphosate Tolerant (North) | Jason Cavadini | 15 | Silt Loam | 6.6 | 3.8 | 59 | 106 | Parallel | glyphosate, Select Max, Warrant | 7-May | 19-Oct | 72 | 63 | 68 |
| **Menomonie:** Glyphosate Tolerant | Tony Mellenthin, Jerry Clark | 15 | Sandy Loam | 6.6 | 1.8 | 33 | 140 | Enlite, glyphosate | glyphosate | 3-May | 19-Oct | 77 | 72 | 75 |
| **Menomonie:** Conventional Herbicide | Tony Mellenthin, Jerry Clark | 15 | Sandy Loam | 6.6 | 1.8 | 33 | 140 | Enlite, glyphosate | Raptor | 3-May | 19-Oct | 70 | 67 | 69 |
| **Platteville:** Glyphosate Tolerant | Schweigert Family Farms | 15 | Silt Loam | 7.0 | 2.7 | 23 | 95 | Gramoxone, Prefix | glyphosate, Select Max, Warrant | 27-Apr | 1-Oct | 96 | 86 | 91 |
| **Platteville:** Conventional Herbicide | Schweigert Family Farms | 15 | Silt Loam | 7.0 | 2.7 | 23 | 95 | Gramoxone, Prefix | Flexstar, Select Max | 27-Apr | 1-Oct | 91 | 80 | 86 |
| **Seymour:** Glyphosate Tolerant | Mike Maass | 15 | Silt Loam | 7.3 | 2.2 | 34 | 112 | Authority First, Dual II Magnum | glyphosate, Warrant | 6-May | 30-Sep | 74 | 56 | 65 |
| **Spooner:** Glyphosate Tolerant (Dry Land) | Phil Holman | 15 | Silt Loam | 6.5 | 2.1 | 33 | 144 | -- | glyphosate (2), Dual II Magnum, Select Max | 17-May | 18-Oct | 55 | 60 | 58 |
| **Spooner:** Glyphosate Tolerant (Irrigated) | Phil Holman | 15 | Sandy Loam | 6.4 | 2.0 | 29 | 109 | -- | glyphosate (2), Pursuit | 13-May | 18-Oct | 57 | 53 | 55 |

# TABLE 2. 2021 Southern Region Glyphosate Tolerant Soybean Trial (1 of 4)



| | | | | 2021 3-Test Average | | 2021 Yields | | | 2021 Composition[1] | | 2020 3-Test Average[2] | | 2020 Composition[1] | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brand | Entry | Maturity Group | Maturity Date[1] | Yield (bu/A) | Lodging (1-5) | Arlington (bu/A) | Clinton (bu/A) | Platteville (bu/A) | Protein (%) | Oil (%) | Yield (bu/A) | Lodging (1-5) | Protein (%) | Oil (%) |
| Ag Armour | AA 1721 E3 | 1.7 | 17-Sep | 82 | 1.0 | 82 | *72 | 94 | 33.4 | 20.0 | -- | -- | -- | -- |
| AgriGold | G2095XF | 2.0 | 20-Sep | 81 | 1.0 | 80 | 64 | *99 | 34.6 | 19.6 | -- | -- | -- | -- |
| AgriGold | G2220XF | 2.2 | 22-Sep | *85 | 1.3 | 84 | 69 | *104 | 33.2 | 19.8 | -- | -- | -- | -- |
| AgriGold | G2315XF | 2.3 | 20-Sep | *85 | 1.2 | 85 | 68 | *102 | 34.1 | 19.5 | -- | -- | -- | -- |
| AgriGold | G2518XF | 2.5 | 27-Sep | 77 | 1.0 | 78 | 61 | 93 | 32.9 | 19.8 | -- | -- | -- | -- |
| AgriGold | G2750XF | 2.7 | 26-Sep | 82 | 1.4 | *88 | 67 | 92 | 35.5 | 18.8 | -- | -- | -- | -- |
| Asgrow | AG20X9 | 2.0 | 19-Sep | *84 | 1.2 | 82 | 69 | *103 | 33.5 | 19.2 | -- | -- | -- | -- |
| Asgrow | AG20XF1 | 2.0 | 20-Sep | 82 | 1.0 | 84 | 67 | 96 | 34.2 | 19.4 | -- | -- | -- | -- |
| Asgrow | AG21XF0 | 2.1 | 20-Sep | 80 | 1.0 | *86 | 64 | 91 | 35.0 | 19.7 | -- | -- | -- | -- |
| Asgrow | AG21XF1 | 2.1 | 20-Sep | 81 | 1.0 | 82 | 60 | *100 | 34.1 | 19.3 | -- | -- | -- | -- |
| Asgrow | AG24XF1 | 2.4 | 22-Sep | 80 | 1.0 | *86 | 64 | 89 | 34.7 | 18.8 | -- | -- | -- | -- |
| Asgrow | AG26XF1 | 2.6 | 23-Sep | 79 | 1.0 | 83 | 62 | 91 | 34.1 | 19.1 | -- | -- | -- | -- |
| Burrus | 2497E | 2.4 | 23-Sep | 80 | 1.2 | 81 | 66 | 94 | 32.9 | 20.5 | -- | -- | -- | -- |
| Burrus | 2565E | 2.5 | 22-Sep | 83 | 1.0 | *86 | 65 | *99 | 32.3 | 20.5 | -- | -- | -- | -- |
| Cornelius | CB26XF76 | 2.6 | 27-Sep | 79 | 1.0 | 75 | 69 | 92 | 33.4 | 19.8 | -- | -- | -- | -- |
| Cornelius | CB27XF34 | 2.7 | 26-Sep | 82 | 1.0 | 79 | 64 | *103 | 34.8 | 19.3 | -- | -- | -- | -- |
| Cornelius | CB27X81 | 2.7 | 27-Sep | 82 | 1.0 | *86 | 69 | 90 | 34.2 | 18.6 | -- | -- | -- | -- |
| Cornelius | CB29XF09 | 2.9 | 29-Sep | 82 | 1.1 | 79 | 66 | *101 | 34.1 | 19.4 | -- | -- | -- | -- |
| Credenz | CZ 2121GTLL | 2.1 | 20-Sep | 82 | 1.0 | 85 | 66 | 94 | 33.6 | 20.0 | -- | -- | -- | -- |
| Credenz | CZ 2550GTLL | 2.5 | 26-Sep | 81 | 1.0 | 81 | 69 | 94 | 34.2 | 19.4 | 83 | 1.5 | 34.5 | 19.1 |
| Credenz | CZ 2760GTLL | 2.7 | 26-Sep | *85 | 1.0 | 81 | *71 | *104 | 34.1 | 19.7 | *88 | 1.3 | 34.5 | 19.5 |
| Dairyland | DSR-2030E | 2.0 | 20-Sep | *84 | 1.0 | *87 | 65 | *101 | 33.5 | 19.6 | -- | -- | -- | -- |
| Dairyland | DSR-2040E | 2.0 | 20-Sep | 83 | 1.0 | *86 | 64 | *99 | 32.6 | 20.2 | -- | -- | -- | -- |
| Dairyland | DSR-2222E | 2.2 | 20-Sep | *85 | 1.0 | *93 | 69 | 94 | 34.7 | 19.3 | -- | -- | -- | -- |
| Dairyland | DSR-2424E | 2.4 | 26-Sep | 82 | 1.0 | 84 | 66 | 95 | 31.9 | 20.7 | *87 | 1.0 | 32.1 | 20.7 |
| Dairyland | DSR-2640E | 2.6 | 27-Sep | *84 | 1.0 | *91 | 65 | 97 | 33.1 | 20.4 | *87 | 1.3 | 33.9 | 19.7 |

# TABLE 2. CONTINUED. 2021 Southern Region Glyphosate Tolerant Soybean Trial (2 of 4)



| | | | | 2021 3-Test Average | | 2021 Yields | | | 2021 Composition[1] | | 2020 3-Test Average[2] | | 2020 Composition[1] | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brand | Entry | Maturity Group | Maturity Date[1] | Yield (bu/A) | Lodging (1-5) | Arlington (bu/A) | Clinton (bu/A) | Platteville (bu/A) | Protein (%) | Oil (%) | Yield (bu/A) | Lodging (1-5) | Protein (%) | Oil (%) |
| Dairyland | DSR-2999E | 2.9 | 29-Sep | 81 | 1.0 | *87 | 65 | 92 | 33.2 | 20.0 | *86 | 1.4 | 33.1 | 19.8 |
| DONMARIO | DM 2544E | 2.5 | 20-Sep | 79 | 1.0 | 85 | 63 | 90 | 32.8 | 20.4 | -- | -- | -- | -- |
| DONMARIO | DM 28E52 | 2.8 | 27-Sep | *84 | 1.0 | 85 | 65 | *103 | 33.5 | 19.6 | -- | -- | -- | -- |
| Dyna-Gro | S21EN81 | 2.1 | 20-Sep | *89 | 1.0 | *93 | *71 | *102 | 33.1 | 20.0 | *88 | 1.5 | 32.8 | 20.3 |
| Dyna-Gro | S21XF61 | 2.1 | 26-Sep | 80 | 1.0 | 84 | 62 | 94 | 35.0 | 19.1 | -- | -- | -- | -- |
| Dyna-Gro | S21XF72 | 2.1 | 24-Sep | 82 | 1.0 | 81 | *71 | 94 | 36.2 | 19.2 | -- | -- | -- | -- |
| Dyna-Gro | S23ES32 | 2.3 | 24-Sep | 82 | 1.1 | *87 | *71 | 89 | 32.9 | 20.5 | -- | -- | -- | -- |
| Dyna-Gro | S25EN02 | 2.5 | 20-Sep | 82 | 1.0 | 84 | 69 | 94 | 32.4 | 20.6 | -- | -- | -- | -- |
| Dyna-Gro | S25XF71S | 2.5 | 27-Sep | 81 | 1.0 | *87 | 58 | 97 | 35.2 | 19.0 | -- | -- | -- | -- |
| Dyna-Gro | S28EN22 | 2.8 | 27-Sep | *85 | 1.0 | *93 | 64 | *99 | 34.5 | 19.3 | -- | -- | -- | -- |
| Dyna-Gro | S28XF92S | 2.8 | 27-Sep | 81 | 1.0 | 81 | 65 | 97 | 34.2 | 19.1 | -- | -- | -- | -- |
| FS HiSOY | HS 19F10 | 1.9 | 18-Sep | *84 | 1.2 | *90 | 68 | 96 | 33.7 | 19.7 | -- | -- | -- | -- |
| FS HiSOY | HS 21E00 | 2.1 | 17-Sep | *86 | 1.0 | *89 | *73 | 97 | 32.3 | 20.8 | -- | -- | -- | -- |
| FS HiSOY | HS 21F00 | 2.1 | 23-Sep | *87 | 1.3 | *89 | *77 | 95 | 33.2 | 19.8 | -- | -- | -- | -- |
| FS HiSOY | HS 23F10 | 2.3 | 27-Sep | 78 | 1.0 | 79 | 59 | 94 | 34.6 | 19.0 | -- | -- | -- | -- |
| FS HiSOY | HS 24F00 | 2.4 | 26-Sep | 83 | 1.0 | 85 | 65 | *99 | 35.3 | 18.7 | -- | -- | -- | -- |
| FS HiSOY | HS 25E00 | 2.5 | 26-Sep | *84 | 1.0 | *90 | 67 | 95 | 32.5 | 21.1 | *89 | 1.5 | 32.7 | 20.5 |
| Genesis | G2550E | 2.5 | 27-Sep | *87 | 1.2 | *90 | *72 | *101 | 32.9 | 20.8 | *87 | 1.3 | 32.8 | 20.8 |
| Genesis | G2960E | 2.9 | 26-Sep | 82 | 1.0 | *87 | 65 | 94 | 33.6 | 19.3 | -- | -- | -- | -- |
| Golden Harvest | GH2102XF Brand | 2.1 | 18-Sep | *87 | 1.2 | 84 | *71 | *104 | 34.5 | 19.6 | -- | -- | -- | -- |
| Golden Harvest | GH2292E3 Brand | 2.2 | 20-Sep | *84 | 1.0 | *86 | 67 | 98 | 33.4 | 19.8 | -- | -- | -- | -- |
| Impact | 23E234N | 2.3 | 23-Sep | 77 | 1.0 | 80 | 57 | 95 | 34.0 | 19.7 | -- | -- | -- | -- |
| Impact | 28E256N | 2.8 | 29-Sep | 82 | 1.0 | *86 | 63 | 98 | 33.7 | 19.4 | -- | -- | -- | -- |
| Jung | 1243R2X | 2.4 | 27-Sep | 78 | 1.0 | 84 | 63 | 88 | 34.2 | 19.1 | *86 | 1.3 | 34.5 | 18.9 |
| Jung | 1244XF | 2.4 | 23-Sep | 83 | 1.0 | 82 | 65 | *102 | 35.0 | 19.2 | -- | -- | -- | -- |
| Jung | 1254XF | 2.5 | 23-Sep | 79 | 1.0 | 83 | 61 | 93 | 33.9 | 19.4 | -- | -- | -- | -- |
| Legacy Seeds | LS204-21 | 2.0 | 20-Sep | 82 | 1.2 | 81 | 61 | *103 | 34.0 | 19.7 | -- | -- | -- | -- |

# TABLE 2. CONTINUED. 2021 Southern Region Glyphosate Tolerant Soybean Trial (3 of 4)



| | | | | 2021 3-Test Average | | 2021 Yields | | | 2021 Composition[1] | | 2020 3-Test Average[2] | | 2020 Composition[1] | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brand | Entry | Maturity Group | Maturity Date[1] | Yield (bu/A) | Lodging (1-5) | Arlington (bu/A) | Clinton (bu/A) | Platteville (bu/A) | Protein (%) | Oil (%) | Yield (bu/A) | Lodging (1-5) | Protein (%) | Oil (%) |
| Legacy Seeds | LS224-20 | 2.2 | 23-Sep | 78 | 1.0 | 80 | 56 | 97 | 34.5 | 19.3 | -- | -- | -- | -- |
| Legacy Seeds | LS244-21 | 2.4 | 22-Sep | 77 | 1.0 | 77 | 66 | 88 | 33.4 | 19.6 | -- | -- | -- | -- |
| Legacy Seeds | LS254-21 | 2.5 | 22-Sep | 79 | 1.0 | 76 | 62 | 98 | 34.0 | 19.7 | -- | -- | -- | -- |
| LG Seeds | LGS2491XF | 2.4 | 26-Sep | 78 | 1.0 | 79 | 64 | 92 | 33.4 | 19.5 | -- | -- | -- | -- |
| Loyal Brand | L2130E | 2.1 | 18-Sep | *85 | 1.0 | *90 | 66 | *99 | 32.9 | 20.5 | -- | -- | -- | -- |
| Loyal Brand | L2240E | 2.2 | 22-Sep | 82 | 1.0 | 85 | 66 | 94 | 33.6 | 19.9 | -- | -- | -- | -- |
| Loyal Brand | L2530E | 2.5 | 26-Sep | 82 | 1.1 | *86 | 63 | 96 | 33.0 | 20.8 | -- | -- | -- | -- |
| Mustang | 22X228 | 2.2 | 27-Sep | 77 | 1.0 | 79 | 58 | 93 | 34.3 | 19.0 | -- | -- | -- | -- |
| NK | NK14-W6E3 Brand | 1.4 | 11-Sep | 81 | 1.0 | 82 | 68 | 93 | 33.7 | 20.0 | -- | -- | -- | -- |
| NK | NK14-C7XF Brand | 1.4 | 13-Sep | *86 | 1.0 | *90 | 69 | *100 | 34.4 | 19.4 | -- | -- | -- | -- |
| NK | S17-E3 Brand | 1.7 | 17-Sep | 83 | 1.0 | 85 | 66 | 98 | 34.2 | 19.5 | -- | -- | -- | -- |
| NK | NK17-M2XF Brand | 1.7 | 14-Sep | *84 | 1.0 | *90 | 69 | 92 | 33.3 | 20.1 | -- | -- | -- | -- |
| NK | NK18-J7E3 Brand | 1.8 | 18-Sep | 83 | 1.0 | 84 | *71 | 93 | 34.5 | 19.8 | -- | -- | -- | -- |
| NK | NK19-C8XF Brand | 1.9 | 18-Sep | 78 | 1.1 | 83 | 63 | 89 | 36.1 | 18.8 | -- | -- | -- | -- |
| NK | NK21-H4XF Brand | 2.1 | 20-Sep | 83 | 1.1 | *88 | *73 | 89 | 33.9 | 20.0 | -- | -- | -- | -- |
| NK | NK22-C4E3 Brand | 2.2 | 17-Sep | *84 | 1.0 | 83 | 69 | *99 | 33.0 | 20.4 | -- | -- | -- | -- |
| NK | NK24-G7E3 Brand | 2.4 | 20-Sep | 80 | 1.0 | 83 | 65 | 90 | 35.3 | 19.3 | -- | -- | -- | -- |
| NK | NK25-C9XF Brand | 2.5 | 23-Sep | *87 | 1.0 | 85 | *76 | *99 | 33.3 | 20.9 | -- | -- | -- | -- |
| NK | NK27-A7XF Brand | 2.7 | 23-Sep | 79 | 1.2 | 79 | 68 | 90 | 34.3 | 19.6 | -- | -- | -- | -- |
| NK | NK28-T3XF Brand | 2.8 | 27-Sep | 82 | 1.0 | 83 | *72 | 90 | 33.7 | 19.0 | -- | -- | -- | -- |
| NK | NK29-A5E3 Brand | 2.9 | 29-Sep | 82 | 1.0 | 83 | *71 | 93 | 33.8 | 19.2 | -- | -- | -- | -- |
| O'Brien | O'SOY2120GT27LL | 2.1 | 20-Sep | 76 | 1.0 | 77 | 60 | 91 | 34.0 | 19.7 | 75 | 1.0 | 34.2 | 19.8 |
| O'Brien | O'SOY2421GT27LL | 2.4 | 26-Sep | 81 | 1.0 | 76 | 69 | *100 | 32.6 | 20.1 | -- | -- | -- | -- |
| P3 Genetics | 1924E | 2.4 | 22-Sep | 80 | 1.0 | 78 | 67 | 96 | 32.8 | 20.4 | 79 | 1.2 | 33.8 | 19.5 |
| P3 Genetics | 2126E | 2.6 | 23-Sep | *87 | 1.0 | *86 | *75 | *99 | 32.8 | 19.6 | 82 | 1.1 | 33.4 | 19.1 |
| P3 Genetics | 1928E | 2.8 | 26-Sep | *84 | 1.0 | 82 | 68 | *102 | 33.3 | 20.4 | *85 | 1.0 | 33.6 | 19.7 |
| P3 Genetics | 2229E | 2.9 | 27-Sep | *88 | 1.0 | *88 | 69 | *106 | 34.0 | 19.3 | -- | -- | -- | -- |

# TABLE 2. CONTINUED. 2021 Southern Region Glyphosate Tolerant Soybean Trial (4 of 4)



| | | | | 2021 3-Test Average | | 2021 Yields | | | 2021 Composition[1] | | 2020 3-Test Average[2] | | 2020 Composition[1] | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brand | Entry | Maturity Group | Maturity Date[1] | Yield (bu/A) | Lodging (1-5) | Arlington (bu/A) | Clinton (bu/A) | Platteville (bu/A) | Protein (%) | Oil (%) | Yield (bu/A) | Lodging (1-5) | Protein (%) | Oil (%) |
| Renk | RS282NXF | 2.8 | 27-Sep | 81 | 1.0 | 79 | 69 | 95 | 33.9 | 19.2 | -- | -- | -- | -- |
| Stine | 19EC12 | 1.9 | 20-Sep | *84 | 1.0 | *92 | 66 | 94 | 32.8 | 20.3 | -- | -- | -- | -- |
| Stine | 19EC32 | 1.9 | 20-Sep | 80 | 1.0 | *87 | 61 | 93 | 32.2 | 20.2 | -- | -- | -- | -- |
| Stine | 24EA12 | 2.4 | 22-Sep | 80 | 1.0 | 83 | 60 | *99 | 32.6 | 21.0 | -- | -- | -- | -- |
| Stine | 24EE32 | 2.4 | 26-Sep | 80 | 1.0 | 78 | 64 | 98 | 32.5 | 20.5 | -- | -- | -- | -- |
| Stine | 27EA23 | 2.7 | 26-Sep | *86 | 1.0 | 82 | *72 | *103 | 33.4 | 20.2 | -- | -- | -- | -- |
| Stine | 28EC32 | 2.8 | 29-Sep | *88 | 1.0 | *91 | *72 | *102 | 33.2 | 19.6 | -- | -- | -- | -- |
| Stine | 29EB22 | 2.9 | 22-Sep | 81 | 1.0 | *90 | 60 | 92 | 33.0 | 19.9 | -- | -- | -- | -- |
| Tracy | 2442GTLL | 2.4 | 26-Sep | 76 | 1.0 | 77 | 60 | 91 | 33.3 | 19.6 | -- | -- | -- | -- |
| Tracy | 2551E | 2.5 | 27-Sep | 82 | 1.0 | *86 | 64 | 97 | 32.8 | 21.0 | *89 | 1.3 | 33.1 | 20.4 |
| Tracy | 2841GTLL | 2.8 | 23-Sep | 82 | 1.0 | 81 | 62 | *102 | 33.8 | 20.0 | -- | -- | -- | -- |
| Xitavo | XO 2181E | 2.1 | 20-Sep | 82 | 1.0 | 85 | 61 | *101 | 32.5 | 20.6 | -- | -- | -- | -- |
| Xitavo | XO 2282E | 2.2 | 23-Sep | 81 | 1.0 | 84 | 66 | 94 | 33.6 | 19.8 | -- | -- | -- | -- |
| Xitavo | XO 2501E | 2.5 | 26-Sep | 83 | 1.0 | 82 | *73 | 94 | 32.6 | 21.1 | -- | -- | -- | -- |
| Xitavo | XO 2832E | 2.8 | 27-Sep | *87 | 1.0 | *92 | 67 | *102 | 33.9 | 19.4 | -- | -- | -- | -- |
| | **Mean** | | 22-Sep | 82 | 1.0 | 84 | 66 | 96 | 33.7 | 19.8 | 83 | 1.2 | 34.1 | 19.3 |
| | **LSD (0.10)** | | -- | 5 | NS | 7 | 6 | 7 | 0.6 | 0.3 | 7 | NS | 0.5 | 0.3 |

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

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

[2] The three locations in 2020 included Arlington, Janesville, and Platteville

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

# TABLE 3. 2021 Central Region Glyphosate Tolerant Soybean Trial (1 of 5)



| | | | | 2021 Yields | | 2021 2-Test Average[2] | 2021 Composition[1] | | 2020 3-Test Average | | 2020 Composition[1] | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brand | Entry | Maturity Group | Maturity Date[1] | Galesville (bu/A) | Hancock (bu/A) | Lodging (1-5) | Protein (%) | Oil (%) | Yield (bu/A) | Lodging (1-5) | Protein (%) | Oil (%) |
| Ag Armour | AA 1721 E3 | 1.7 | 21-Sep | 73 | 65 | 1.4 | 35.3 | 18.9 | -- | -- | -- | -- |
| Ag Armour | AA 1922E3 | 1.9 | 21-Sep | 64 | 64 | 2.0 | 34.2 | 20.1 | -- | -- | -- | -- |
| AgriGold | G1490XF | 1.4 | 21-Sep | 71 | *73 | 1.9 | 33.8 | 19.7 | -- | -- | -- | -- |
| AgriGold | G1720XF | 1.7 | 17-Sep | 65 | *71 | 1.6 | 32.5 | 20.2 | -- | -- | -- | -- |
| AgriGold | G1857E3 | 1.8 | 14-Sep | 72 | 62 | 1.5 | 34.4 | 20.4 | -- | -- | -- | -- |
| AgriGold | G2081E3 | 2.0 | 21-Sep | 64 | *70 | 1.8 | 33.5 | 20.1 | -- | -- | -- | -- |
| AgriGold | G2095XF | 2.0 | 21-Sep | 72 | 60 | 1.0 | 33.3 | 20.4 | -- | -- | -- | -- |
| AgriGold | G2220XF | 2.2 | 21-Sep | 60 | *78 | 2.5 | 32.7 | 20.1 | -- | -- | -- | -- |
| AgriGold | G2361E3 | 2.3 | 21-Sep | 70 | *73 | 1.3 | 34.6 | 19.4 | -- | -- | -- | -- |
| Apex | AE1920 | 1.9 | 21-Sep | 69 | *68 | 1.6 | 32.4 | 20.3 | -- | -- | -- | -- |
| Apex | AE2220 | 2.2 | 28-Sep | 70 | 65 | 1.1 | 32.6 | 20.6 | -- | -- | -- | -- |
| Asgrow | AG14XF2 | 1.4 | 17-Sep | 67 | *68 | 1.9 | 32.3 | 20.9 | -- | -- | -- | -- |
| Asgrow | AG15XF2 | 1.5 | 14-Sep | 71 | *72 | 1.9 | 31.2 | 20.8 | -- | -- | -- | -- |
| Asgrow | AG18XF1 | 1.8 | 17-Sep | 72 | *79 | 1.2 | 32.5 | 20.7 | -- | -- | -- | -- |
| Asgrow | AG20XF1 | 2.0 | 21-Sep | 66 | *68 | 1.0 | 33.3 | 19.9 | -- | -- | -- | -- |
| Asgrow | AG21XF0 | 2.1 | 21-Sep | 68 | *74 | 1.8 | 33.3 | 20.7 | -- | -- | -- | -- |
| Asgrow | AG21XF1 | 2.1 | 21-Sep | 69 | 58 | 1.1 | 32.8 | 20.2 | -- | -- | -- | -- |
| BioGene | BG9180E3 | 1.8 | 21-Sep | 68 | 63 | 1.8 | 34.2 | 20.2 | -- | -- | -- | -- |
| Credenz | CZ 1171GTLL | 1.1 | 14-Sep | 69 | *68 | 2.4 | 32.8 | 20.6 | -- | -- | -- | -- |
| Credenz | CZ 1331GTLL | 1.3 | 14-Sep | *85 | *68 | 1.1 | 32.5 | 21.1 | -- | -- | -- | -- |
| Credenz | CZ 2121GTLL | 2.1 | 17-Sep | 72 | *68 | 1.4 | 32.1 | 20.9 | -- | -- | -- | -- |
| Credenz | CZ 2550GTLL | 2.5 | 21-Sep | 55 | *79 | 2.0 | 33.8 | 19.8 | -- | -- | -- | -- |
| Dairyland | DSR-1290E | 1.2 | 17-Sep | 60 | *71 | 2.5 | 31.1 | 21.2 | -- | -- | -- | -- |

# TABLE 3. CONTINUED. 2021 Central Region Glyphosate Tolerant Soybean Trial (2 of 5)

| | | | | 2021 Yields | | 2021 2-Test Average[2] | 2021 Composition[1] | | 2020 3-Test Average | | 2020 Composition[1] | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brand | Entry | Maturity Group | Maturity Date[1] | Galesville (bu/A) | Hancock (bu/A) | Lodging (1-5) | Protein (%) | Oil (%) | Yield (bu/A) | Lodging (1-5) | Protein (%) | Oil (%) |
| Dairyland | DSR-1450E | 1.4 | 14-Sep | 62 | *77 | 2.0 | 32.1 | 21.0 | -- | -- | -- | -- |
| Dairyland | DSR-1673E | 1.6 | 14-Sep | 75 | 62 | 1.1 | 32.2 | 20.4 | 77 | 1.0 | 33.6 | 19.3 |
| Dairyland | DSR-1707E | 1.7 | 21-Sep | 73 | 58 | 1.4 | 32.7 | 21.3 | -- | -- | -- | -- |
| Dairyland | DSR-1820E | 1.8 | 17-Sep | 70 | 54 | 1.1 | 34.6 | 20.1 | -- | -- | -- | -- |
| Dairyland | DSR-2030E | 2.0 | 21-Sep | 64 | *68 | 2.4 | 33.2 | 20.0 | 77 | 1.4 | 33.9 | 19.1 |
| Dairyland | DSR-2040E | 2.0 | 21-Sep | 75 | 46 | 1.1 | 33.0 | 20.1 | -- | -- | -- | -- |
| Dairyland | DSR-2222E | 2.2 | 21-Sep | 58 | *69 | 1.3 | 34.8 | 19.6 | -- | -- | -- | -- |
| Dyna-Gro | S17XF02 | 1.7 | 21-Sep | 77 | 66 | 1.1 | 33.9 | 20.0 | -- | -- | -- | -- |
| Dyna-Gro | S18EN52 | 1.8 | 17-Sep | 73 | *80 | 1.6 | 33.4 | 20.6 | -- | -- | -- | -- |
| Dyna-Gro | S21EN81 | 2.1 | 17-Sep | *80 | *69 | 2.0 | 32.3 | 20.8 | -- | -- | -- | -- |
| Dyna-Gro | S21XF61 | 2.1 | 21-Sep | 70 | 63 | 1.5 | 34.0 | 20.1 | -- | -- | -- | -- |
| Dyna-Gro | S23ES32 | 2.3 | 24-Sep | 72 | *77 | 1.4 | 32.6 | 21.0 | -- | -- | -- | -- |
| FS HiSOY | HS 19F10 | 1.9 | 21-Sep | 63 | *71 | 1.1 | 32.8 | 20.3 | -- | -- | -- | -- |
| FS HiSOY | HS 21E00 | 2.1 | 21-Sep | 71 | 64 | 1.6 | 32.6 | 20.7 | -- | -- | -- | -- |
| FS HiSOY | HS 21F00 | 2.1 | 21-Sep | 56 | *75 | 2.4 | 32.6 | 20.1 | -- | -- | -- | -- |
| FS HiSOY | HS 23F10 | 2.3 | 21-Sep | 62 | 63 | 1.5 | 34.1 | 19.8 | -- | -- | -- | -- |
| FS HiSOY | HS 24F00 | 2.4 | 21-Sep | 70 | 61 | 1.0 | 34.2 | 19.5 | -- | -- | -- | -- |
| FS HiSOY | HS 25E00 | 2.5 | 24-Sep | 77 | 66 | 1.4 | 31.9 | 21.6 | -- | -- | -- | -- |
| Genesis | G1950E | 1.9 | 21-Sep | 70 | *71 | 1.8 | 34.1 | 19.4 | -- | -- | -- | -- |
| Genesis | G2060E | 2.0 | 24-Sep | 59 | *73 | 2.6 | 32.9 | 20.2 | -- | -- | -- | -- |
| Genesis | G2150E | 2.1 | 21-Sep | 74 | *79 | 1.5 | 32.6 | 20.5 | *81 | 1.0 | 32.7 | 19.6 |
| Genesis | G2260E | 2.2 | 21-Sep | 71 | 53 | 1.0 | 32.8 | 20.9 | -- | -- | -- | -- |

# TABLE 3. CONTINUED. 2021 Central Region Glyphosate Tolerant Soybean Trial (3 of 5)

| | | | | 2021 Yields | | 2021 2-Test Average[2] | 2021 Composition[1] | | 2020 3-Test Average | | 2020 Composition[1] | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brand | Entry | Maturity Group | Maturity Date[1] | Galesville (bu/A) | Hancock (bu/A) | Lodging (1-5) | Protein (%) | Oil (%) | Yield (bu/A) | Lodging (1-5) | Protein (%) | Oil (%) |
| Golden Harvest | GH1414X Brand | 1.4 | 17-Sep | 72 | 58 | 1.5 | 33.1 | 20.5 | *79 | 1.0 | 34.1 | 19.3 |
| Golden Harvest | GH1442XF Brand | 1.4 | 14-Sep | 66 | *76 | 1.6 | 33.7 | 20.0 | -- | -- | -- | -- |
| Golden Harvest | GH1762XF Brand | 1.7 | 21-Sep | 74 | 65 | 1.8 | 32.8 | 20.7 | -- | -- | -- | -- |
| Golden Harvest | GH1802E3 Brand | 1.8 | 21-Sep | 63 | *74 | 1.9 | 33.7 | 20.4 | -- | -- | -- | -- |
| Golden Harvest | GH2102XF Brand | 2.1 | 21-Sep | 64 | *70 | 2.4 | 32.5 | 21.1 | -- | -- | -- | -- |
| Golden Harvest | GH2292E3 Brand | 2.2 | 21-Sep | 68 | *70 | 1.6 | 34.4 | 19.8 | -- | -- | -- | -- |
| Golden Harvest | GH2329X Brand | 2.3 | 21-Sep | 58 | 67 | 2.3 | 33.7 | 20.4 | 77 | 1.2 | 33.6 | 20.1 |
| Golden Harvest | GH2442E3 Brand | 2.4 | 21-Sep | 74 | *79 | 1.1 | 35.7 | 19.5 | -- | -- | -- | -- |
| Impact | 20E245N | 2.0 | 21-Sep | 69 | 67 | 2.0 | 32.6 | 20.1 | -- | -- | -- | -- |
| Jung | 1203R2X | 2.0 | 21-Sep | 73 | *70 | 1.0 | 34.0 | 19.9 | *79 | 1.0 | 34.6 | 19.2 |
| Jung | 1227XF | 2.2 | 21-Sep | 69 | 55 | 1.5 | 31.9 | 20.9 | -- | -- | -- | -- |
| Jung | 1243R2X | 2.4 | 24-Sep | 69 | 65 | 1.5 | 33.9 | 19.4 | *80 | 1.0 | 34.7 | 18.9 |
| Legacy Seeds | LS174-20 | 1.7 | 21-Sep | 70 | *70 | 1.6 | 32.7 | 20.3 | -- | -- | -- | -- |
| Legacy Seeds | LS184-21 | 1.8 | 21-Sep | 75 | 67 | 1.3 | 31.9 | 21.2 | -- | -- | -- | -- |
| Legacy Seeds | LS204-21 | 2.0 | 21-Sep | 60 | *74 | 1.4 | 33.3 | 20.0 | -- | -- | -- | -- |
| Legacy Seeds | LS224-20 | 2.2 | 21-Sep | 72 | 66 | 1.1 | 33.5 | 20.2 | -- | -- | -- | -- |
| LG Seeds | LGS2025XF | 2.0 | 21-Sep | 71 | 67 | 1.0 | 33.4 | 20.2 | -- | -- | -- | -- |
| LG Seeds | LGS2215XF | 2.2 | 21-Sep | 68 | *69 | 2.1 | 32.2 | 20.4 | -- | -- | -- | -- |
| Loyal Brand | L1540E | 1.5 | 21-Sep | 68 | *77 | 1.0 | 32.9 | 20.5 | -- | -- | -- | -- |
| Loyal Brand | L1740E | 1.7 | 17-Sep | 62 | *73 | 1.6 | 32.2 | 20.8 | -- | -- | -- | -- |
| Loyal Brand | L1940E | 1.9 | 21-Sep | 65 | *74 | 2.5 | 33.2 | 20.0 | -- | -- | -- | -- |
| Loyal Brand | L2130E | 2.1 | 21-Sep | *83 | 61 | 1.5 | 31.9 | 21.0 | -- | -- | -- | -- |

# TABLE 3. CONTINUED. 2021 Central Region Glyphosate Tolerant Soybean Trial (4 of 5)

| | | | | 2021 Yields | | 2021 2-Test Average[2] | 2021 Composition[1] | | 2020 3-Test Average | | 2020 Composition[1] | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brand | Entry | Maturity Group | Maturity Date[1] | Galesville (bu/A) | Hancock (bu/A) | Lodging (1-5) | Protein (%) | Oil (%) | Yield (bu/A) | Lodging (1-5) | Protein (%) | Oil (%) |
| Loyal Brand | L2240E | 2.2 | 24-Sep | *79 | 64 | 1.0 | 33.5 | 20.2 | -- | -- | -- | -- |
| NK | NK08-V9E3 Brand | 0.8 | 8-Sep | 70 | 51 | 1.3 | 33.7 | 19.8 | -- | -- | -- | -- |
| NK | NK08-B7XF Brand | 0.8 | 10-Sep | 60 | 67 | 2.6 | 33.1 | 19.7 | -- | -- | -- | -- |
| NK | NK10-W8XF Brand | 1.0 | 8-Sep | 63 | 58 | 2.3 | 32.9 | 20.1 | -- | -- | -- | -- |
| NK | NK14-W6E3 Brand | 1.4 | 14-Sep | 66 | *75 | 2.0 | 34.0 | 20.0 | -- | -- | -- | -- |
| NK | NK14-C7XF Brand | 1.4 | 14-Sep | 67 | *74 | 1.8 | 33.8 | 19.9 | -- | -- | -- | -- |
| NK | S17-E3 Brand | 1.7 | 14-Sep | 72 | 62 | 1.0 | 32.2 | 20.6 | -- | -- | -- | -- |
| NK | NK17-M2XF Brand | 1.7 | 17-Sep | 70 | 67 | 1.6 | 33.1 | 20.5 | -- | -- | -- | -- |
| NK | NK18-J7E3 Brand | 1.8 | 21-Sep | 67 | 59 | 1.8 | 33.9 | 20.6 | -- | -- | -- | -- |
| NK | NK19-C8XF Brand | 1.9 | 21-Sep | 58 | 64 | 1.6 | 35.2 | 19.5 | -- | -- | -- | -- |
| NK | NK21-H4XF Brand | 2.1 | 21-Sep | 71 | *75 | 2.3 | 32.6 | 20.7 | -- | -- | -- | -- |
| NK | NK22-C4E3 Brand | 2.2 | 21-Sep | 74 | 62 | 1.0 | 33.5 | 20.4 | -- | -- | -- | -- |
| NK | NK24-G7E3 Brand | 2.4 | 21-Sep | 73 | *80 | 1.1 | 34.8 | 19.7 | -- | -- | -- | -- |
| O'Brien | O'SOY1620GT27LL | 1.6 | 14-Sep | 76 | 60 | 1.0 | 32.4 | 20.9 | *78 | 1.0 | 33.3 | 20.2 |
| O'Brien | O'SOY2120GT27LL | 2.1 | 21-Sep | 73 | *69 | 1.0 | 33.9 | 19.9 | *80 | 1.0 | 33.7 | 19.6 |
| ProHarvest | EXF21201 | 2.0 | 21-Sep | 64 | *68 | 1.5 | 32.8 | 20.2 | -- | -- | -- | -- |
| Renk | RS219NX | 2.1 | 21-Sep | 72 | *73 | 1.0 | 33.8 | 20.2 | -- | -- | -- | -- |
| Renk | RS212NXF | 2.1 | 21-Sep | 59 | *76 | 1.6 | 35.4 | 19.8 | -- | -- | -- | -- |
| Renk | RS248NX | 2.4 | 21-Sep | 65 | *75 | 1.9 | 33.7 | 20.0 | *84 | 1.0 | 34.3 | 19.3 |
| Stine | 16EC32 | 1.6 | 17-Sep | 73 | 61 | 1.0 | 34.1 | 20.0 | -- | -- | -- | -- |
| Stine | 19EC12 | 1.9 | 21-Sep | 72 | 67 | 1.4 | 32.7 | 20.7 | -- | -- | -- | -- |
| Stine | 19EC32 | 1.9 | 21-Sep | 71 | 56 | 1.1 | 32.7 | 19.7 | -- | -- | -- | -- |

# TABLE 3. CONTINUED. 2021 Central Region Glyphosate Tolerant Soybean Trial (5 of 5)

| Brand | Entry | Maturity Group | Maturity Date[1] | 2021 Yields Galesville (bu/A) | 2021 Yields Hancock (bu/A) | 2021 2-Test Average[2] Lodging (1-5) | 2021 Composition[1] Protein (%) | 2021 Composition[1] Oil (%) | 2020 3-Test Average Yield (bu/A) | 2020 3-Test Average Lodging (1-5) | 2020 Composition[1] Protein (%) | 2020 Composition[1] Oil (%) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Stine | 24EA12 | 2.4 | 21-Sep | 65 | 65 | 2.3 | 32.8 | 21.4 | -- | -- | -- | -- |
| Stine | 24EE32 | 2.4 | 21-Sep | 61 | 60 | 1.3 | 30.9 | 21.7 | -- | -- | -- | -- |
| Tracy | 1252E | 1.2 | 14-Sep | 63 | *69 | 2.4 | 31.6 | 21.3 | -- | -- | -- | -- |
| Tracy | 1641GTLL | 1.6 | 17-Sep | *79 | 63 | 1.1 | 32.3 | 21.0 | *82 | 1.0 | 33.7 | 20.3 |
| Tracy | 2142GTLL | 2.1 | 17-Sep | 66 | 66 | 1.0 | 32.5 | 20.7 | *81 | 1.0 | 32.9 | 19.9 |
| Tracy | 2452E | 2.4 | 24-Sep | 73 | 62 | 1.3 | 32.1 | 21.8 | -- | -- | -- | -- |
| Xitavo | X0 1212E | 1.2 | 17-Sep | 59 | 58 | 2.3 | 35.0 | 20.0 | -- | -- | -- | -- |
| Xitavo | X0 1372E | 1.3 | 17-Sep | 66 | *76 | 1.4 | 32.0 | 21.1 | -- | -- | -- | -- |
| Xitavo | X0 1632E | 1.6 | 17-Sep | 70 | 64 | 1.4 | 32.7 | 20.9 | -- | -- | -- | -- |
| Xitavo | X0 1761E | 1.7 | 21-Sep | 75 | 55 | 1.0 | 35.0 | 19.7 | -- | -- | -- | -- |
| Xitavo | X0 1822E | 1.8 | 21-Sep | 63 | *74 | 2.0 | 31.9 | 20.8 | -- | -- | -- | -- |
| Xitavo | X0 2181E | 2.1 | 17-Sep | 77 | 67 | 1.5 | 32.3 | 20.7 | -- | -- | -- | -- |
| Xitavo | X0 2282E | 2.2 | 24-Sep | 73 | *76 | 1.1 | 33.5 | 20.1 | -- | -- | -- | -- |
| | **Mean** | | 19-Sep | 69 | 67 | 1.6 | 33.1 | 20.3 | 78 | 1.0 | 34.0 | 19.6 |
| | **LSD (0.10)** | | -- | 7 | 12 | NS | 0.8 | 0.5 | 7 | 0.2 | 0.7 | 0.3 |

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

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

[2] The 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. 2021 North Central Region Glyphosate Tolerant Soybean Trial (1 of 3)



| | | | | 2021 3-Test Average | | 2021 Yields | | | 2021 Composition[1] | | 2020 3-Test Average | | 2020 Composition[1] | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brand | Entry | Maturity Group | Maturity Date[1] | 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 (%) |
| Apex | AE1300 | 1.3 | 27-Sep | *81 | 1.9 | 80 | *84 | *78 | 36.0 | 17.6 | 64 | 1.0 | 34.5 | 18.4 |
| Apex | AE1410 | 1.4 | 27-Sep | 77 | 1.8 | 79 | 75 | *77 | 35.3 | 18.8 | 56 | 1.0 | 33.4 | 19.2 |
| Apex | AE1710 | 1.6 | 27-Sep | 75 | 1.6 | 74 | *79 | 72 | 35.8 | 17.7 | 62 | 1.0 | 33.6 | 18.5 |
| Apex | AE1920 | 1.9 | 29-Sep | 77 | 2.2 | 68 | *82 | *79 | 35.3 | 17.6 | -- | -- | -- | -- |
| Asgrow | AG13XF0 | 1.3 | 24-Sep | *78 | 1.8 | 75 | *80 | *78 | 35.3 | 17.8 | -- | -- | -- | -- |
| Asgrow | AG14XF2 | 1.4 | 24-Sep | 72 | 2.3 | 65 | 75 | 75 | 35.0 | 18.7 | -- | -- | -- | -- |
| Asgrow | AG15XF2 | 1.5 | 27-Sep | 77 | 2.2 | 70 | 77 | *85 | 33.7 | 18.6 | -- | -- | -- | -- |
| BioGene | BG9150E3 | 1.5 | 24-Sep | 71 | 1.8 | 58 | *80 | 73 | 35.5 | 18.3 | -- | -- | -- | -- |
| Credenz | CZ 0661GTLL | 0.6 | 20-Sep | 74 | 1.7 | 69 | *82 | 72 | 35.9 | 18.8 | -- | -- | -- | -- |
| Credenz | CZ 1171GTLL | 1.1 | 20-Sep | 77 | 1.8 | 75 | *81 | 76 | 34.7 | 18.5 | -- | -- | -- | -- |
| Credenz | CZ 1331GTLL | 1.3 | 27-Sep | *82 | 1.7 | *88 | *83 | 74 | 35.0 | 18.6 | -- | -- | -- | -- |
| Dairyland | DSR-0847E | 0.8 | 24-Sep | 74 | 1.9 | 72 | *79 | 71 | 34.9 | 18.7 | 57 | 1.0 | 34.2 | 19.5 |
| Dairyland | DSR-0920E | 0.9 | 24-Sep | 68 | 1.9 | 63 | 73 | 68 | 36.9 | 17.5 | 66 | 1.0 | 35.1 | 18.7 |
| Dairyland | DSR-1010E | 1.0 | 20-Sep | 74 | 1.7 | 66 | *80 | 75 | 36.8 | 17.5 | -- | -- | -- | -- |
| Dairyland | DSR-1290E | 1.2 | 24-Sep | 76 | 2.5 | 73 | *83 | 73 | 34.1 | 19.1 | -- | -- | -- | -- |
| Dairyland | DSR-1318E | 1.3 | 27-Sep | 70 | 2.3 | 66 | 75 | 69 | 36.2 | 16.7 | *67 | 1.0 | 34.0 | 18.0 |
| Dairyland | DSR-1450E | 1.4 | 27-Sep | *81 | 2.1 | 79 | *85 | 76 | 34.0 | 19.1 | -- | -- | -- | -- |
| Dairyland | DSR-1707E | 1.7 | 27-Sep | 71 | 1.8 | 64 | *80 | 68 | 35.1 | 18.9 | -- | -- | -- | -- |
| Dyna-Gro | S15XF82 | 1.5 | 24-Sep | *82 | 1.6 | *86 | *78 | *82 | 35.9 | 17.5 | -- | -- | -- | -- |
| Dyna-Gro | S17XF02 | 1.7 | 27-Sep | *79 | 1.5 | *83 | *79 | 74 | 35.9 | 17.7 | -- | -- | -- | -- |
| Federal Hybrids | F0920N RXF | 0.9 | 17-Sep | 68 | 2.4 | 62 | 67 | 74 | 34.4 | 18.7 | -- | -- | -- | -- |
| Federal Hybrids | F1120N RXF | 1.1 | 24-Sep | 71 | 1.8 | 75 | 72 | 67 | 36.0 | 18.1 | -- | -- | -- | -- |
| Federal Hybrids | F1310N RXF | 1.3 | 24-Sep | 71 | 1.8 | 69 | 74 | 69 | 34.3 | 18.7 | -- | -- | -- | -- |
| Federal Hybrids | F1520N RXF | 1.5 | 24-Sep | 77 | 2.1 | 74 | 77 | *78 | 35.1 | 17.9 | -- | -- | -- | -- |
| Federal Hybrids | F1720N RXF | 1.7 | 20-Sep | 61 | 2.0 | 61 | 64 | 56 | 34.8 | 18.0 | -- | -- | -- | -- |
| Genesis | G1560E | 1.5 | 24-Sep | 72 | 1.9 | 63 | *82 | 72 | 35.0 | 18.6 | -- | -- | -- | -- |
| Genesis | G1760E | 1.7 | 27-Sep | 69 | 2.1 | 55 | *82 | 69 | 34.6 | 18.7 | -- | -- | -- | -- |

# TABLE 4. CONTINUED. 2021 North Central Region Glyphosate Tolerant Soybean Trial (2 of 3)

| Brand | Entry | Maturity Group | Maturity Date[1] | 2021 3-Test Average Yield (bu/A) | 2021 3-Test Average Lodging (1-5) | 2021 Yields Marshfield (bu/A) | 2021 Yields Menomonie (bu/A) | 2021 Yields Seymour (bu/A) | 2021 Composition[1] Protein (%) | 2021 Composition[1] Oil (%) | 2020 3-Test Average Yield (bu/A) | 2020 3-Test Average Lodging (1-5) | 2020 Composition[1] Protein (%) | 2020 Composition[1] Oil (%) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Golden Harvest | GH1414X Brand | 1.4 | 24-Sep | *81 | 1.4 | 80 | *79 | *82 | 35.9 | 17.9 | *72 | 1.0 | 34.3 | 18.7 |
| Golden Harvest | GH1442XF Brand | 1.4 | 24-Sep | *80 | 1.8 | 82 | 76 | *83 | 35.6 | 18.0 | -- | -- | -- | -- |
| Golden Harvest | GH1802E3 Brand | 1.8 | 24-Sep | *83 | 1.7 | *84 | *80 | *86 | 36.5 | 18.2 | -- | -- | -- | -- |
| Impact | 13E245N | 1.3 | 27-Sep | 69 | 2.1 | 61 | *82 | 63 | 37.0 | 17.9 | -- | -- | -- | -- |
| Impact | 16LGT035N | 1.6 | 27-Sep | 76 | 1.8 | 77 | *82 | 67 | 35.0 | 18.8 | -- | -- | -- | -- |
| Impact | 18E245N | 1.8 | 24-Sep | 67 | 2.2 | 61 | 70 | 70 | 35.7 | 18.3 | -- | -- | -- | -- |
| Jung | 1135XF | 1.3 | 24-Sep | 76 | 1.9 | 72 | *81 | 75 | 34.2 | 18.7 | -- | -- | -- | -- |
| Jung | 1161R2X | 1.6 | 27-Sep | 69 | 1.4 | 56 | 75 | 75 | 35.7 | 18.3 | *70 | 1.0 | 34.3 | 18.9 |
| Jung | 1182R2X | 1.8 | 27-Sep | 72 | 2.0 | 55 | *85 | 76 | 34.6 | 18.2 | -- | -- | -- | -- |
| Legacy Seeds | LS124-21 | 1.2 | 24-Sep | 71 | 1.9 | 65 | 72 | *77 | 35.1 | 18.0 | -- | -- | -- | -- |
| Legacy Seeds | LS134-20 | 1.3 | 20-Sep | 75 | 2.0 | 80 | 76 | 68 | 34.9 | 18.5 | -- | -- | -- | -- |
| Legacy Seeds | LS174-20 | 1.7 | 27-Sep | 77 | 1.8 | *85 | 68 | *78 | 34.9 | 18.3 | -- | -- | -- | -- |
| Legacy Seeds | LS184-21 | 1.8 | 27-Sep | *80 | 2.0 | *86 | 74 | *80 | 34.5 | 18.3 | -- | -- | -- | -- |
| LG Seeds | LGS1848XF | 1.8 | 24-Sep | *81 | 1.9 | 77 | *88 | *79 | 35.5 | 17.8 | -- | -- | -- | -- |
| Loyal Brand | L1230E | 1.2 | 27-Sep | *81 | 2.3 | *88 | 76 | *80 | 33.5 | 19.4 | -- | -- | -- | -- |
| Loyal Brand | L1440E | 1.4 | 27-Sep | 75 | 1.8 | 77 | 71 | *78 | 34.1 | 19.1 | -- | -- | -- | -- |
| Loyal Brand | L1540E | 1.5 | 27-Sep | 76 | 1.8 | 75 | 75 | *79 | 35.6 | 18.4 | -- | -- | -- | -- |
| Loyal Brand | L1740E | 1.7 | 24-Sep | 73 | 2.5 | 74 | 72 | 74 | 35.4 | 18.4 | -- | -- | -- | -- |
| Loyal Brand | L1940E | 1.9 | 29-Sep | *78 | 2.2 | *85 | 74 | *77 | 34.8 | 18.0 | -- | -- | -- | -- |
| NK | NK02-M4XF Brand | 0.2 | 17-Sep | 57 | 2.5 | 55 | 66 | 51 | 34.1 | 18.8 | -- | -- | -- | -- |
| NK | NK04-G8E3 Brand | 0.4 | 17-Sep | 67 | 2.4 | 65 | 72 | 63 | 36.5 | 18.4 | -- | -- | -- | -- |
| NK | NK05-W3XF Brand | 0.5 | 17-Sep | 73 | 3.1 | 78 | 66 | 76 | 35.3 | 17.7 | -- | -- | -- | -- |
| NK | NK08-V9E3 Brand | 0.8 | 17-Sep | 69 | 1.6 | 69 | 74 | 65 | 35.8 | 17.6 | -- | -- | -- | -- |
| NK | NK08-B7XF Brand | 0.8 | 17-Sep | 75 | 2.9 | 73 | 77 | 75 | 34.6 | 17.9 | -- | -- | -- | -- |
| NK | NK10-W8XF Brand | 1.0 | 17-Sep | *79 | 2.4 | 82 | 75 | *82 | 35.2 | 17.6 | -- | -- | -- | -- |
| NK | NK14-W6E3 Brand | 1.4 | 27-Sep | *82 | 1.8 | *83 | *83 | *81 | 34.5 | 18.8 | -- | -- | -- | -- |
| NK | NK14-C7XF Brand | 1.4 | 20-Sep | *82 | 1.8 | 79 | *84 | *85 | 35.6 | 17.9 | -- | -- | -- | -- |

# TABLE 4. CONTINUED. 2021 North Central Region Glyphosate Tolerant Soybean Trial (3 of 3)



| | | | | 2021 3-Test Average | | 2021 Yields | | | 2021 Composition[1] | | 2020 3-Test Average | | 2020 Composition[1] | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brand | Entry | Maturity Group | Maturity Date[1] | 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 | NK17-M2XF Brand | 1.7 | 27-Sep | *85 | 1.7 | *88 | *84 | *82 | 35.8 | 17.8 | -- | -- | -- | -- |
| NK | NK18-J7E3 Brand | 1.8 | 27-Sep | *85 | 1.8 | *89 | *81 | *85 | 35.9 | 18.3 | -- | -- | -- | -- |
| O'Brien | O'SOY1620GT27LL | 1.6 | 27-Sep | 72 | 1.4 | 77 | 73 | 66 | 34.6 | 18.8 | *69 | 1.0 | 34.5 | 19.4 |
| ProHarvest | EXF21112 | 1.1 | 20-Sep | 75 | 2.5 | *85 | 71 | 70 | 35.6 | 18.1 | -- | -- | -- | -- |
| ProHarvest | 1638X | 1.6 | 24-Sep | *78 | 1.9 | 77 | *83 | 75 | 37.1 | 17.9 | *67 | 1.0 | 36.5 | 18.3 |
| ProHarvest | 17F27 | 1.7 | 27-Sep | 77 | 1.6 | 82 | 74 | 76 | 35.3 | 18.0 | -- | -- | -- | -- |
| Renk | RS142NXF | 1.4 | 24-Sep | 71 | 1.9 | 70 | 75 | 68 | 35.0 | 17.9 | -- | -- | -- | -- |
| Renk | RS150NX | 1.5 | 24-Sep | 73 | 1.7 | 65 | *80 | 72 | 34.6 | 18.8 | *72 | 1.0 | 34.3 | 19.5 |
| Stine | 11EC02 | 1.1 | 20-Sep | *79 | 2.2 | 78 | *78 | *81 | 33.8 | 19.1 | -- | -- | -- | -- |
| Stine | 12EB32 | 1.2 | 27-Sep | 74 | 2.1 | 72 | *81 | 69 | 35.6 | 17.9 | 65 | 1.0 | 34.2 | 18.5 |
| Stine | 16EC32 | 1.6 | 27-Sep | 76 | 1.8 | 69 | *84 | 75 | 36.2 | 17.5 | -- | -- | -- | -- |
| Xitavo | XO 0602E | 0.6 | 17-Sep | 68 | 1.3 | 66 | 75 | 64 | 35.1 | 17.8 | -- | -- | -- | -- |
| Xitavo | XO 0731E | 0.7 | 20-Sep | 76 | 1.7 | 80 | *78 | 70 | 36.3 | 18.2 | -- | -- | -- | -- |
| Xitavo | XO 1212E | 1.2 | 27-Sep | 76 | 1.8 | 77 | *78 | 75 | 37.2 | 17.7 | -- | -- | -- | -- |
| Xitavo | XO 1372E | 1.3 | 24-Sep | *86 | 2.2 | *91 | *83 | *85 | 34.2 | 18.9 | -- | -- | -- | -- |
| Xitavo | XO 1632E | 1.6 | 27-Sep | *79 | 1.8 | 74 | *81 | *83 | 35.5 | 18.6 | -- | -- | -- | -- |
| | **Mean** | | 24-Sep | 75 | 1.9 | 74 | 77 | 74 | 35.3 | 18.2 | 66 | 1.0 | 34.4 | 19.0 |
| | **LSD (0.10)** | | -- | 8 | 0.7 | 8 | 10 | 9 | 0.6 | 0.4 | 7 | -- | 0.5 | 0.3 |

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

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

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

# TABLE 5. Northern Region Glyphosate Tolerant & Arlington Early MG Soybean Trial (1 of 2)



| | | | 2021 3-Test Average | | | 2021 Yields | | | 2021 Arlington[1] | | 2021 Composition[2] | | 2020 3-Test Average | | 2020 Composition[2] | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brand | Entry | Maturity Group | Maturity Date | Yield (bu/A) | Lodging (1-5) | Marshfield (bu/A) | Spooner Dryland (bu/A) | Spooner Irrigated (bu/A) | Maturity Date | Yield (bu/A) | Protein (%) | Oil (%) | Yield (bu/A) | Lodging (1-5) | Protein (%) | Oil (%) |
| Apex | AE0720 | 0.7 | 17-Sep | 56 | 1.0 | 63 | 49 | 56 | 5-Sep | 66 | 35.0 | 18.1 | -- | -- | -- | -- |
| Apex | AE1300 | 1.3 | 22-Sep | 62 | 1.0 | *80 | 49 | 56 | 13-Sep | *78 | 35.7 | 17.8 | *60 | 1.0 | 34.7 | 18.3 |
| Asgrow | AG09XF0 | 0.9 | 19-Sep | 58 | 1.2 | 62 | *55 | 57 | 10-Sep | 67 | 35.4 | 18.3 | -- | -- | -- | -- |
| BioGene | BG9100E3 | 1.0 | 19-Sep | 56 | 1.0 | 54 | *59 | 56 | 7-Sep | 68 | 36.4 | 17.7 | 51 | 1.0 | 35.7 | 18.2 |
| Cornelius | CB07R77 | 0.7 | 20-Sep | 59 | 1.4 | 65 | *56 | 56 | 11-Sep | 69 | 35.4 | 18.1 | *60 | 1.0 | 34.1 | 19.6 |
| Credenz | CZ 0661GTLL | 0.6 | 19-Sep | 62 | 1.0 | 70 | *59 | 56 | 10-Sep | 65 | 35.3 | 19.0 | -- | -- | -- | -- |
| Dairyland | DSR-0660E | 0.6 | 19-Sep | 53 | 1.2 | 55 | *56 | 48 | 10-Sep | 69 | 34.5 | 18.3 | -- | -- | -- | -- |
| Dairyland | DSR-0847E | 0.8 | 20-Sep | 59 | 1.3 | 69 | 50 | 57 | 10-Sep | 71 | 35.1 | 18.5 | 58 | 1.0 | 34.5 | 19.3 |
| Dairyland | DSR-0920E | 0.9 | 22-Sep | 58 | 1.0 | 62 | *57 | 56 | 10-Sep | 73 | 36.4 | 17.5 | *59 | 1.0 | 35.1 | 18.7 |
| Dairyland | DSR-1010E | 1.0 | 19-Sep | 59 | 1.2 | 65 | *55 | 56 | 7-Sep | 72 | 36.1 | 17.6 | -- | -- | -- | -- |
| Genesis | G0750E | 0.7 | 18-Sep | 62 | 1.1 | *78 | 51 | 58 | 5-Sep | 69 | 36.1 | 18.2 | -- | -- | -- | -- |
| Golden Harvest | GH0822XF Brand | 0.8 | 18-Sep | *65 | 1.3 | *80 | 54 | *62 | 10-Sep | 72 | 34.4 | 18.0 | -- | -- | -- | -- |
| Golden Harvest | GH1032XF Brand | 1.0 | 17-Sep | *65 | 1.0 | *78 | *58 | 60 | 7-Sep | 69 | 35.3 | 17.6 | -- | -- | -- | -- |
| Impact | 12E157N | 1.2 | 22-Sep | *65 | 1.3 | *79 | *56 | *61 | 13-Sep | *77 | 33.6 | 19.2 | -- | -- | -- | -- |
| Jung | 1063XF | 0.6 | 19-Sep | 48 | 1.0 | 50 | 44 | 50 | 5-Sep | 65 | 35.1 | 17.9 | -- | -- | -- | -- |
| Jung | 1072R2X | 0.7 | 17-Sep | 60 | 1.4 | 67 | *57 | 54 | 6-Sep | 69 | 33.4 | 18.6 | *63 | 1.0 | 33.7 | 19.5 |
| Jung | 1104XF | 1.0 | 24-Sep | 58 | 1.1 | 63 | 54 | 56 | 11-Sep | *76 | 35.4 | 18.1 | -- | -- | -- | -- |
| Legacy Seeds | LS094-20 | 0.9 | 17-Sep | 63 | 1.3 | 77 | 53 | 58 | 5-Sep | 66 | 36.2 | 17.9 | -- | -- | -- | -- |
| Legacy Seeds | LS-1039 | 1.0 | 19-Sep | *68 | 1.2 | *87 | *56 | *62 | 7-Sep | 68 | 35.2 | 18.8 | *66 | 1.0 | 34.3 | 19.8 |
| Legacy Seeds | LS104-21 | 1.0 | 21-Sep | *69 | 1.5 | *86 | *60 | *62 | 11-Sep | 72 | 35.3 | 18.1 | -- | -- | -- | -- |
| Legacy Seeds | LS124-21 | 1.2 | 25-Sep | 57 | 1.1 | 72 | 49 | 52 | 15-Sep | 73 | 34.7 | 18.3 | -- | -- | -- | -- |
| LG Seeds | LGS0701XF | 0.7 | 17-Sep | 63 | 1.6 | 74 | *60 | 56 | 9-Sep | 70 | 34.8 | 18.0 | -- | -- | -- | -- |
| LG Seeds | LGS1203E3 | 1.2 | 27-Sep | 63 | 1.1 | *80 | 52 | 59 | -- | -- | 37.3 | 17.6 | -- | -- | -- | -- |

# TABLE 5. CONTINUED. Northern Region Glyphosate Tolerant & Arlington Early MG Soybean Trial (2 of 2)



| | | | 2021 3-Test Average | | | 2021 Yields | | | 2021 Arlington[1] | | 2021 Composition[2] | | 2020 3-Test Average | | 2020 Composition[2] | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brand | Entry | Maturity Group | Maturity Date | Yield (bu/A) | Lodging (1-5) | Marshfield (bu/A) | Spooner Dryland (bu/A) | Spooner Irrigated (bu/A) | Maturity Date | Yield (bu/A) | Protein (%) | Oil (%) | Yield (bu/A) | Lodging (1-5) | Protein (%) | Oil (%) |
| Loyal Brand | L1230E | 1.2 | 20-Sep | *72 | 1.3 | *89 | *63 | *64 | 17-Sep | *78 | 33.8 | 19.1 | -- | -- | -- | -- |
| Loyal Brand | L1440E | 1.4 | 28-Sep | 64 | 1.1 | *80 | *59 | 54 | 16-Sep | *81 | 33.6 | 19.2 | -- | -- | -- | -- |
| NK | NK02-M4XF Brand | 0.2 | 11-Sep | 53 | 1.2 | 59 | 46 | 54 | 30-Aug | 55 | 33.8 | 19.2 | -- | -- | -- | -- |
| NK | NK04-G8E3 Brand | 0.4 | 15-Sep | 56 | 1.0 | 60 | 51 | 56 | 30-Aug | 59 | 36.7 | 18.2 | -- | -- | -- | -- |
| NK | NK05-W3XF Brand | 0.5 | 15-Sep | 62 | 1.2 | 74 | 53 | 59 | 6-Sep | 64 | 35.0 | 17.9 | -- | -- | -- | -- |
| NK | NK08-V9E3 Brand | 0.8 | 18-Sep | 59 | 1.0 | 72 | 49 | 56 | 4-Sep | 69 | 35.3 | 17.8 | -- | -- | -- | -- |
| NK | NK08-B7XF Brand | 0.8 | 18-Sep | 63 | 1.3 | 75 | 53 | *61 | 11-Sep | 70 | 34.5 | 17.8 | -- | -- | -- | -- |
| NK | NK10-W8XF Brand | 1.0 | 17-Sep | *66 | 1.5 | *87 | 54 | 59 | 9-Sep | 72 | 35.4 | 17.5 | -- | -- | -- | -- |
| ProHarvest | 0985CR2Y | 0.9 | 19-Sep | *72 | 1.0 | *87 | *62 | *66 | 5-Sep | 68 | 35.0 | 18.8 | *69 | 1.0 | 33.9 | 19.9 |
| ProHarvest | EXF21112 | 1.1 | 21-Sep | 63 | 1.2 | 74 | *59 | 57 | 10-Sep | 71 | 35.6 | 18.1 | -- | -- | -- | -- |
| Renk | RS100NX | 1.0 | 20-Sep | 58 | 1.0 | 59 | *58 | 56 | 6-Sep | 71 | 34.0 | 18.7 | -- | -- | -- | -- |
| Stine | 09EA02 | 0.9 | 20-Sep | 59 | 1.2 | 71 | 52 | 54 | 7-Sep | 72 | 36.3 | 17.6 | *60 | 1.0 | 35.4 | 18.8 |
| Stine | 11EC02 | 1.1 | 22-Sep | *70 | 1.2 | *86 | *64 | *62 | 7-Sep | 73 | 32.9 | 19.5 | -- | -- | -- | -- |
| Xitavo | XO 0602E | 0.6 | 19-Sep | 56 | 1.0 | 72 | 44 | 55 | 7-Sep | 68 | 35.3 | 18.0 | -- | -- | -- | -- |
| Xitavo | XO 0731E | 0.7 | 19-Sep | *66 | 1.0 | *83 | *59 | 58 | 7-Sep | 69 | 35.2 | 18.6 | -- | -- | -- | -- |
| | **Mean** | | 19-Sep | 61 | 1.2 | 72 | 55 | 57 | 8-Sep | 70 | 35.1 | 18.2 | 59 | 1.0 | 34.3 | 19.3 |
| | **LSD (0.10)** | | 2 | 7 | NS | 11 | 9 | 5 | -- | 6 | 0.7 | 0.4 | 10 | -- | 0.5 | 0.4 |

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

[1] All varieties entered in the Northern region were also planted in a fourth trial in Arlington to evaluate how early maturity groups perform in the southern region. These results are separate from the northern region overall analysis.

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

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

# TABLE 6. 2021 Southern Conventional Soybean Trial



| | | | | | 2021 2-Test Average | | 2021 Yields | | 2021 Composition[2] | | 2020 2-Test Average | | 2020 Composition[2] | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brand | Entry | Herbicide Trait[1] | Maturity Group | Maturity Date[2] | Yield (bu/A) | Lodging (1-5) | Arlington (bu/A) | Platteville (bu/A) | Protein (%) | Oil (%) | Yield (bu/A) | Lodging (1-5) | Protein (%) | Oil (%) |
| Legacy Seeds | LS187-21C | CN | 1.8 | 27-Sep | 83 | 1.0 | 72 | 95 | 35.6 | 18.6 | -- | -- | -- | -- |
| Legacy Seeds | LS201-21C | CN | 2.0 | 22-Sep | 86 | 1.0 | 76 | 96 | 33.5 | 19.6 | -- | -- | -- | -- |
| Legacy Seeds | LS210-21C | CN | 2.1 | 26-Sep | *88 | 1.0 | 75 | *102 | 33.8 | 20.0 | -- | -- | -- | -- |
| Legacy Seeds | LS227-21C | CN | 2.2 | 26-Sep | *92 | 1.0 | *79 | *105 | 35.2 | 18.1 | -- | -- | -- | -- |
| Legacy Seeds | LS231-21C | CN | 2.3 | 27-Sep | 86 | 1.0 | *77 | 95 | 33.7 | 19.2 | -- | -- | -- | -- |
| Legacy Seeds | LS155-21C | CN | 2.5 | 26-Sep | 81 | 1.0 | 68 | 94 | 36.6 | 19.1 | -- | -- | -- | -- |
| Legacy Seeds | LS260-21C | CN | 2.6 | 26-Sep | *87 | 1.0 | *78 | 96 | 33.7 | 20.3 | -- | -- | -- | -- |
| Public | MN1410 | CN | 1.4 | 17-Sep | 69 | 1.5 | 59 | 79 | 36.0 | 19.8 | 65 | 1.8 | 35.6 | 19.9 |
| SB&B | SB700 | CN | 0.7 | 11-Sep | 63 | 1.0 | 53 | 74 | 37.4 | 19.0 | -- | -- | -- | -- |
| SB&B | SB0718 | CN | 0.8 | 11-Sep | 62 | 1.4 | 53 | 72 | 35.2 | 20.0 | -- | -- | -- | -- |
| SB&B | SB1270 | CN | 1.2 | 13-Sep | 71 | 1.3 | 57 | 84 | 34.8 | 20.0 | 54 | 1.0 | 36.0 | 19.4 |
| SB&B | SB712 | CN | 1.2 | 11-Sep | 72 | 1.3 | 62 | 81 | 37.9 | 18.8 | 67 | 1.3 | 38.5 | 18.9 |
| SB&B | SB19 | CN | 1.5 | 17-Sep | 74 | 1.3 | 65 | 82 | 35.0 | 19.4 | 67 | 2.1 | 34.7 | 19.9 |
| Sevita | Candor | CN | 1.9 | 22-Sep | 78 | 1.5 | 70 | 86 | 38.6 | 18.0 | 72 | 2.0 | 37.9 | 18.6 |
| Viking | 0.E1993N | CN | 1.9 | 20-Sep | 77 | 1.0 | 68 | 85 | 34.7 | 19.3 | 70 | 1.0 | 34.5 | 19.0 |
| Viking | 0.2155N | CN | 2.1 | 27-Sep | *88 | 1.0 | 75 | *100 | 35.2 | 18.2 | *83 | 1.6 | 35.0 | 17.9 |
| Viking | 0.2244AT | CN | 2.2 | 22-Sep | 78 | 1.0 | 72 | 85 | 35.8 | 19.6 | 77 | 1.9 | 35.2 | 19.8 |
| Viking | 2340KN | CN | 2.3 | 27-Sep | *87 | 1.0 | *79 | 95 | 33.2 | 20.2 | *85 | 1.1 | 33.7 | 19.7 |
| Viking | 0.2418N | CN | 2.4 | 23-Sep | *89 | 1.0 | *79 | *99 | 34.5 | 18.8 | *85 | 1.5 | 34.6 | 18.6 |
| Viking | 0.2702 | CN | 2.7 | 27-Sep | 82 | 1.1 | 76 | 88 | 35.6 | 19.6 | *87 | 1.0 | 35.8 | 19.5 |
| Check | 11953 | E3 | 2.1 | 20-Sep | *90 | 1.0 | *83 | *98 | 33.1 | 20.2 | -- | -- | -- | -- |
| Check | 11547 | RR2X | 2.4 | 26-Sep | *88 | 1.0 | *79 | 96 | 34.8 | 19.1 | -- | -- | -- | -- |
| Check | 11882 | LLGT27 | 2.7 | 27-Sep | *92 | 1.0 | *83 | *100 | 34.4 | 19.7 | -- | -- | -- | -- |
| | | | **Mean** | 21-Sep | 81 | 1.1 | 71 | 91 | 35.1 | 19.3 | 79 | 1.3 | 35.0 | 19.5 |
| | | | **LSD (0.10)** | -- | 5 | NS | 6 | 7 | 0.5 | 0.3 | 9 | NS | 0.5 | 0.4 |

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

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

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

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

# TABLE 7. 2021 North Central Conventional Soybean Trial

| | | | | 2021 Menomonie | | | | | 2020 Menomonie | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brand | Entry | Herbicide Trait[1] | Maturity Group | Maturity Date | Yield (bu/A) | Lodging (1-5) | Protein (%) | Oil (%) | Yield (bu/A) | Lodging (1-5) | Protein (%) | Oil (%) |
| Legacy Seeds | LS151-21C | CN | 1.5 | 18-Sep | *74 | 3.0 | 33.5 | 18.8 | -- | -- | -- | -- |
| Legacy Seeds | LS187-21C | CN | 1.8 | 23-Sep | 73 | 4.3 | 35.8 | 17.8 | -- | -- | -- | -- |
| Legacy Seeds | LS201-21C | CN | 2.0 | 27-Sep | *80 | 2.5 | 33.1 | 19.2 | -- | -- | -- | -- |
| Legend Seeds | LS 0380 HP | CN | 0.3 | 13-Sep | 63 | 5.0 | 37.7 | 17.9 | -- | -- | -- | -- |
| Legend Seeds | LS 0702 HP | CN | 0.7 | 11-Sep | 60 | 3.8 | 36.1 | 18.2 | -- | -- | -- | -- |
| Legend Seeds | LS 10C153N | CN | 1.0 | 17-Sep | 62 | 3.3 | 37.0 | 18.2 | -- | -- | -- | -- |
| Public | MN1410 | CN | 1.4 | 20-Sep | 68 | 3.8 | 35.5 | 19.2 | 62 | 1.0 | 34.5 | 19.8 |
| SB&B | SB700 | CN | 0.7 | 6-Sep | 61 | 3.5 | 36.9 | 18.2 | -- | -- | -- | -- |
| SB&B | SB0718 | CN | 0.8 | 10-Sep | 61 | 4.0 | 35.9 | 18.8 | -- | -- | -- | -- |
| SB&B | SB1270 | CN | 1.2 | 19-Sep | 67 | 4.8 | 35.3 | 18.8 | 60 | 1.0 | 34.8 | 19.0 |
| SB&B | SB712 | CN | 1.2 | 14-Sep | 70 | 3.5 | 36.8 | 18.1 | *69 | 1.0 | 36.7 | 18.6 |
| SB&B | SB19 | CN | 1.5 | 23-Sep | 62 | 4.3 | 34.9 | 18.3 | 61 | 1.0 | 34.4 | 18.3 |
| Sevita | Skyline | CN | 1.1 | 12-Sep | 64 | 5.0 | 37.2 | 18.8 | 60 | 1.0 | 37.6 | 18.7 |
| Sevita | Candor | CN | 1.9 | 21-Sep | 66 | 4.0 | 38.0 | 17.7 | 65 | 1.0 | 37.4 | 17.6 |
| Viking | 0.0821N | CN | 0.8 | 19-Sep | *75 | 4.0 | 35.5 | 18.4 | -- | -- | -- | -- |
| Viking | 1218N | CN | 1.2 | 16-Sep | *77 | 2.0 | 35.5 | 18.4 | *72 | 1.0 | 34.4 | 18.8 |
| Viking | 0.1202N | CN | 1.2 | 17-Sep | 71 | 4.3 | 35.9 | 18.0 | *67 | 1.0 | 35.3 | 18.1 |
| Viking | 0.1518N | CN | 1.5 | 18-Sep | *74 | 3.5 | 36.0 | 18.0 | *67 | 1.0 | 35.1 | 18.2 |
| Viking | 0.1718N | CN | 1.7 | 23-Sep | 73 | 3.8 | 33.7 | 19.3 | -- | -- | -- | -- |
| Check | 11889 | E3 | 1.3 | 15-Sep | 66 | 4.0 | 35.3 | 17.7 | -- | -- | -- | -- |
| Check | 11969 | RR2X | 1.4 | 20-Sep | *75 | 2.5 | 34.5 | 18.5 | -- | -- | -- | -- |
| Check | 11774 | RR2X | 1.5 | 16-Sep | *85 | 3.0 | 33.8 | 19.4 | -- | -- | -- | -- |
| Check | 11962 | LLGT27 | 1.6 | 25-Sep | *77 | 1.5 | 35.1 | 19.0 | -- | -- | -- | -- |
| | | | **Mean** | 17-Sep | 70 | 3.6 | 35.6 | 18.4 | 67 | 1.0 | 35.0 | 18.8 |
| | | | **LSD (0.10)** | -- | 11 | 1.0 | 1.2 | 0.4 | 7 | -- | 0.6 | 0.3 |

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

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

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

# TABLE 8.
# 2021 Seed Source for Soybean Entries

| Brand | Company | Phone Number | Website |
|---|---|---|---|
| Ag Armour | Ag Armour Seeds | (989) 227-0277 | ag-armourseeds.com |
| AgriGold | AgriGold Hybrids | (618) 292-5844 | 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) 338-1141 | burrusseed.com |
| Cornelius | Cornelius Seed | (563) 672-3463 | www.corneliusseed.com |
| Credenz | BASF | (309) 212-5454 | credenz.us |
| Dairyland | Dairyland Seed | (800) 236-0163 | www.dairylandseed.com |
| DONMARIO | GDM Seeds | (618) 444-6037 | gdmseeds.com/brand-region/usa-en |
| Dyna-Gro | Dyna-Gro Seed | (608) 822-5000 | www.dynagroseed.com |
| Federal Hybrids | Federal Hybrids, Inc. | (712) 830-9742 | www.federalhybrids.com |
| FS HiSOY | GROWMARK, Inc. | (309) 242-3439 | www.fsseeds.com |
| Genesis | MS Technologies | (608) 513-0293 | www.renkseed.com |
| Golden Harvest | Golden Harvest | (920) 889-5509 | www.goldenharvestseeds.com |
| Impact | Legend Seeds Inc. | (608) 577-8132 | www.legendseeds.net |
| Jung | Jung Seed Genetics | (515) 205-3354 | www.jungseedgenetics.com |
| Legacy Seeds | Legacy Seeds Inc. | (866) 791-6390 | www.legacyseeds.com |
| Legend Seeds | Legend Seeds Inc. | (608) 577-8132 | www.legendseeds.net |
| LG Seeds | LG Seeds | (320) 894-6145 | www.lgseeds.com |
| Loyal Brand | MS Technologies | (866) 791-6390 | www.legacyseeds.com |
| Mustang | Legend Seeds Inc. | (608) 577-8132 | www.mustangseeds.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 | (515) 677-2605 | www.stineseed.com |
| Tracy | Tracy Seeds, LLC | (608) 752-2767 | www.tracyseeds.com |
| Viking | Albert Lea Seed | (800) 352-5247 | www.alseed.com |
| Xitavo | MS Technologies | (309) 212-5454 | xitavosoybeanseed.com |

# TABLE 9. 2021 Temperature and Precipitation Summary



| Trial Location | | Average Mean Temperature (° F) May | June | July | August | September | | Total Precipitation (inches) May | June | July | August | September |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Arlington | | 57.1 | 71.2 | 71.2 | 71.5 | 63.7 | | 2.4 | 3.5 | 1.3 | 4.2 | 2.4 |
| | Departure | -0.4 | 3.7 | 0.2 | 2.5 | 2.3 | Departure | -1.9 | -1.6 | -2.9 | 0.4 | -0.9 |
| Clinton | | 57.4 | 72.1 | 70.7 | 71.4 | 65.1 | | 1.8 | 2.2 | 4.0 | 3.0 | 0.5 |
| | Departure | -0.7 | 4.0 | -0.7 | 2.0 | 2.6 | Departure | -2.4 | -3.3 | 0.3 | -1.2 | -3.3 |
| Fond du Lac | | 57.6 | 71.9 | 71.5 | 73.0 | 65.0 | | 3.6 | 3.4 | 6.4 | 5.4 | 2.0 |
| | Departure | 1.7 | 5.9 | 1.3 | 4.6 | 4.1 | Departure | 0.1 | -0.9 | 2.8 | 2.0 | -1.2 |
| Galesville (Trempealeau) | | 58.6 | 74.2 | 73.6 | 72.0 | 64.3 | | 3.2 | 6.2 | 5.5 | 9.4 | 1.4 |
| | Departure | -0.2 | 5.8 | 1.2 | 1.8 | 1.8 | Departure | -1.3 | 1.9 | 0.8 | 5.4 | -2.4 |
| Hancock* | | 55.8 | 70.2 | 69.8 | 69.6 | 61.0 | | 2.6 | 4.7 | 4.8 | 9.3 | 0.5 |
| | Departure | -0.8 | 3.9 | -0.3 | 1.3 | 0.6 | Departure | -1.6 | -0.2 | 0.7 | 5.2 | -2.8 |
| | | | | | | | Irrigation | 1.1 | 4.2 | 4.0 | 2.0 | 1.0 |
| Marshfield | | 55.1 | 68.9 | 69.4 | 68.5 | 61.0 | | 4.0 | 6.5 | 4.4 | 10.0 | 1.2 |
| | Departure | -0.6 | 3.4 | -0.3 | 1.0 | 1.7 | Departure | -0.1 | 1.7 | 0.6 | 6.0 | -2.7 |
| Menomonie* | | 55.1 | 72.0 | 71.4 | 69.3 | 61.9 | | 3.7 | 3.2 | 3.2 | 8.9 | 2.0 |
| | Departure | -1.2 | 5.7 | 0.8 | 1.0 | 1.7 | Departure | -0.8 | -1.9 | -0.9 | 4.9 | -1.6 |
| | | | | | | | Irrigation | 0.0 | 0.7 | 3.0 | 3.7 | 0.7 |
| Platteville (Lancaster) | | 57.8 | 71.9 | 71.8 | 71.7 | 64.2 | | 2.9 | 1.7 | 4.8 | 5.2 | 1.4 |
| | Departure | -0.3 | 4.1 | 0.4 | 2.2 | 2.3 | Departure | -1.5 | -4.2 | -0.3 | 1.4 | -2.6 |
| Seymour (Green Bay) | | 56.8 | 71.0 | 70.4 | 71.1 | 62.7 | | 2.2 | 4.7 | 4.4 | 8.3 | 1.2 |
| | Departure | 0.3 | 4.6 | -0.1 | 2.5 | 1.7 | Departure | -1.2 | 0.6 | 0.8 | 4.9 | -2.0 |
| Spooner* | | 54.6 | 69.8 | 69.9 | 68.9 | 60.0 | | 2.4 | 1.8 | 3.3 | 1.9 | 3.0 |
| | Departure | -0.6 | 4.9 | 0.9 | 1.8 | 1.2 | Departure | -1.7 | -2.5 | -0.7 | -2.0 | -0.6 |
| | | | | | | | Irrigation | 0.0 | 0.8 | 1.3 | 0.8 | 0.0 |

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

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

# TABLE 10. 2021 Characteristics of Soybean Varieties (1 of 10)



| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Ag Armour | AA 1721 E3 | 1.7 | E3 | 2,3 | Ag Armour Elite | PI 88788 | Rps 3-a | P | G | T | BF |
| Ag Armour | AA 1922E3 | 1.9 | E3 | 3 | Ag Armour Elite | PI 88788 | Rps 1-k | P | G | BR | BF |
| AgriGold | G1490XF | 1.4 | XF | 3 | AgriShield Max, Saltro | PI 88788 | Rps 3-a | P | LTW | BR | BR |
| AgriGold | G1720XF | 1.7 | XF | 3 | AgriShield Max, Saltro | PI 88788 | Rps 1-c | P | LTW | T | BL |
| AgriGold | G1857E3 | 1.8 | E3 | 3 | AgriShield Max, Saltro | PI 88788 | Rps 1-c | P | G | BR | BF |
| AgriGold | G2081E3 | 2.0 | E3 | 3 | AgriShield Max, Saltro | PI 88788 | Rps 1-c | P | G | BR | IB |
| AgriGold | G2095XF | 2.0 | XF | 2,3 | AgriShield Max, Saltro | PI 88788 | Rps 1-c | P | G | T | IB |
| AgriGold | G2220XF | 2.2 | XF | 2,3 | AgriShield Max, Saltro | PI 88788 | Rps 1-c | P | G | BR | IB |
| AgriGold | G2361E3 | 2.3 | E3 | 3 | AgriShield Max, Saltro | PI 88788 | Rps 1-c | P | G | BR | IB |
| AgriGold | G2315XF | 2.3 | XF | 2 | AgriShield Max, Saltro | PI 88788 | Rps 1-c | P | G | T | IB |
| AgriGold | G2518XF | 2.5 | XF | 2 | AgriShield Max, Saltro | PI 88788 | Rps 1-c | P | G | BR | IB |
| AgriGold | G2750XF | 2.7 | XF | 2 | AgriShield Max, Saltro | PI 88788 | Rps 1-c | W | LTW | BR | BL |
| Apex | AE0720 | 0.7 | E3 | 5 | CruiserMaxx, Vibrance | PI 88788 | -- | P | G | T | BF |
| Apex | AE1300 | 1.3 | E3 | 4,5 | CruiserMaxx, Vibrance | PI 88788 | Rps 1-c | P | G | T | IB |
| Apex | AE1410 | 1.4 | E3 | 4 | CruiserMaxx, Vibrance | PI 88788 | Rps 1-k | P | G | BR | IB |
| Apex | AE1710 | 1.6 | E3 | 4 | CruiserMaxx, Vibrance | PI 88788 | Rps 1-k | P | G | BR | IB |
| Apex | AE1920 | 1.9 | E3 | 3,4 | CruiserMaxx, Vibrance | PI 88788 | -- | P | G | BR | IB |
| Apex | AE2220 | 2.2 | E3 | 3 | CruiserMaxx, Vibrance | PI 88788 | -- | W | G | T | BF |
| Asgrow | AG09XF0 | 0.9 | XF | 5 | Acceleron F/I, ILEVO | PI 88788 | Rps 3-a | P | T | BR | BR |
| Asgrow | AG13XF0 | 1.3 | XF | 4 | Acceleron F/I, ILEVO | PI 88788 | -- | P | LTW | BR | BL |
| Asgrow | AG14XF2 | 1.4 | XF | 3,4 | Acceleron F/I, ILEVO | PI 88788 | Rps 1-c | P | LTW | 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 | Acceleron F/I, ILEVO | PI 88788 | -- | P | G | T | BF |
| Asgrow | AG20X9 | 2.0 | RR2X | 2 | 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 |

All characteristic information is provided by the originator.

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

[2] Source of SCN Resistance; S =Susceptible.

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

[4] BL= Black, BF = Buff, BR= Brown, 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. 2021 Characteristics of Soybean Varieties (2 of 10)



| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Asgrow | AG21XF0 | 2.1 | XF | 2,3 | Acceleron F/I, ILEVO | PI 88788 | Rps 1-c | P | LTW | BR | BL |
| Asgrow | AG21XF1 | 2.1 | XF | 2,3 | Acceleron F/I, ILEVO | PI 88788 | Rps 1-c | P | G | T | G |
| Asgrow | AG24XF1 | 2.4 | XF | 2 | Acceleron F/I, ILEVO | PI 88788 | Rps 1-c | P | G | T | G |
| Asgrow | AG26XF1 | 2.6 | XF | 2 | Acceleron F/I, ILEVO | PI 88788 | Rps 1-c | P | G | T | G |
| 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 | 2497E | 2.4 | E3 | 2 | PowerShield | PI 88788 | Rps 1-k | W | G | T | BF |
| Burrus | 2565E | 2.5 | E3 | 2 | PowerShield | Peking | Rps 1-k | P | G | T | BF |
| Cornelius | CB07R77 | 0.7 | RR2Y | 5 | Profit Guard Plus | PI 88788 | Rps 1-c | P | LTW | BR | BL |
| Cornelius | CB26XF76 | 2.6 | XF | 2 | Profit Guard Plus | PI 88788 | -- | P | G | T | BF |
| Cornelius | CB27XF34 | 2.7 | XF | 2 | Profit Guard Plus | PI 88788 | Rps 1-c | P | G | T | G |
| Cornelius | CB27X81 | 2.7 | RR2X | 2 | Profit Guard Plus | PI 88788 | Rps 1-c | P | G | BR | IB |
| Cornelius | CB29XF09 | 2.9 | XF | 2 | Profit Guard Plus | PI 88788 | Rps 1-c | P | LTW | BR | BL |
| Credenz | CZ 0661GTLL | 0.6 | LLGT27 | 4,5 | Obvius Plus, Poncho/Votivo, ILEVO | -- | Rps 1-k | P | LTW | T | BR |
| Credenz | CZ 1171GTLL | 1.1 | LLGT27 | 3,4 | Obvius Plus, Poncho/Votivo, ILEVO | PI 88788 | Rps 1-c | P | LTW | BR | BL |
| Credenz | CZ 1331GTLL | 1.3 | LLGT27 | 3,4 | Obvius Plus, Poncho/Votivo, ILEVO | PI 88788 | Rps 1-K | P | LTW | T | BR |
| Credenz | CZ 2121GTLL | 2.1 | LLGT27 | 2,3 | Obvius Plus, Poncho/Votivo, ILEVO | PI 88788 | -- | P | LTW | T | BL |
| Credenz | CZ 2550GTLL | 2.5 | LLGT27 | 2,3 | Obvius Plus, Poncho/Votivo, ILEVO | PI 88788 | Rps 1-a | P | LTW | BR | BL |
| Credenz | CZ 2760GTLL | 2.7 | LLGT27 | 2 | Obvius Plus, Poncho/Votivo, ILEVO | PI 88788 | Rps 1-a | P | LTW | T | BR |
| Dairyland | DSR-0660E | 0.6 | E3 | 5 | LumiGEN, ILEVO | PI 88788 | -- | P | G | T | Y |
| 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-1010E | 1.0 | E3 | 4,5 | LumiGEN, ILEVO | PI 88788 | -- | P | G | BR | G |
| Dairyland | DSR-1290E | 1.2 | E3 | 3,4 | LumiGEN, ILEVO | PI 88788 | -- | P | G | BR | IB |

All characteristic information is provided by the originator.

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

[2] Source of SCN Resistance; S =Susceptible.

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

[4] BL= Black, BF = Buff, BR= Brown, 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. 2021 Characteristics of Soybean Varieties (3 of 10)



| | | | | | | | | Color [4] | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Brand | Entry | Maturity Group | Herbicide Trait[1] | Performance Shown in Table(s) | Seed Treatment(s) | SCN Source[2] | PRR Genes[3] | Flower | Pubescence | Pod | Hilum |
| Dairyland | DSR-1318E | 1.3 | E3 | 4 | LumiGEN, ILEVO | PI 88788 | Rps 1-c | P | G | T | IB |
| Dairyland | DSR-1450E | 1.4 | E3 | 3,4 | LumiGEN, ILEVO | PI 88788 | -- | P | G | BR | IB |
| Dairyland | DSR-1673E | 1.6 | E3 | 3 | LumiGEN, ILEVO | PI 88788 | Rps 1-k | P | G | T | IB |
| Dairyland | DSR-1707E | 1.7 | E3 | 3,4 | LumiGEN, ILEVO | PI 88788 | Rps 1-k | P | G | BR | IB |
| Dairyland | DSR-1820E | 1.8 | E3 | 3 | LumiGEN, ILEVO | PI 88788 | Rps 1-k | P | G | BR | IB |
| Dairyland | DSR-2030E | 2.0 | E3 | 2,3 | LumiGEN, ILEVO | PI 88788 | Rps 1-c, 3-a | W | G | BR | BF |
| Dairyland | DSR-2040E | 2.0 | E3 | 2,3 | LumiGEN, ILEVO | PI 88788 | Rps 1-k | P | G | BR | IB |
| Dairyland | DSR-2222E | 2.2 | E3 | 2,3 | LumiGEN, ILEVO | PI 88788 | Rps 1-c, 3-a | P | G | BR | BF |
| Dairyland | DSR-2424E | 2.4 | E3 | 2 | LumiGEN, ILEVO | Peking | Rps 1-k | P | G | T | BF |
| Dairyland | DSR-2640E | 2.6 | E3 | 2 | LumiGEN, ILEVO | PI 88788 | Rps 1-k | W | G | T | BF |
| Dairyland | DSR-2999E | 2.9 | E3 | 2 | LumiGEN, ILEVO | PI 88788 | Rps 1-k | P | G | T | IB |
| DONMARIO | DM 2544E | 2.5 | E3 | 2 | CruiserMaxx, Vibrance | PI 88788 | Rps 1-k | P | G | T | BR |
| DONMARIO | DM 28E52 | 2.8 | E3 | 2 | CruiserMaxx, Vibrance | PI 88788 | Rps 1-k | P | G | BR | IB |
| Dyna-Gro | S15XF82 | 1.5 | XF | 4 | Equity VIP, Saltro | PI 88788 | Rps 3-a | P | LTW | BR | BR |
| Dyna-Gro | S17XF02 | 1.7 | XF | 3,4 | Equity VIP, Saltro | PI 88788 | Rps 1-c | P | LTW | BR | BR |
| Dyna-Gro | S18EN52 | 1.8 | E3 | 3 | Equity VIP, Saltro | PI 88788 | Rps 1-c | P | G | BR | IB |
| Dyna-Gro | S21EN81 | 2.1 | E3 | 2,3 | Equity VIP, Saltro | PI 88788 | Rps 1-k | P | G | BR | IB |
| Dyna-Gro | S21XF61 | 2.1 | XF | 2,3 | Equity VIP, Saltro | PI 88788 | Rps 1-c | P | G | T | G |
| Dyna-Gro | S21XF72 | 2.1 | XF | 2 | Equity VIP, Saltro | PI 88788 | Rps 3-a | P | G | T | IB |
| Dyna-Gro | S23ES32 | 2.3 | E3 | 2,3 | Equity VIP, Saltro | PI 88788 | Rps 1-k | W | G | T | BF |
| Dyna-Gro | S25EN02 | 2.5 | E3 | 2 | Equity VIP, Saltro | Peking | Rps 1-k | P | G | T | BF |
| Dyna-Gro | S25XF71S | 2.5 | XF | 2 | Equity VIP, Saltro | PI 88788 | Rps 1-c | P | G | T | G |
| Dyna-Gro | S28EN22 | 2.8 | E3 | 2 | Equity VIP, Saltro | PI 88788 | Rps 3-a, 1-k | W | G | T | BF |
| Dyna-Gro | S28XF92S | 2.8 | XF | 2 | Equity VIP, Saltro | PI 88788 | Rps 1-c | P | G | T | G |
| Federal Hybrids | F0920N RXF | 0.9 | XF | 4 | Maximum ArmourGuard | PI 88788 | -- | P | LTW | BR | BR |

All characteristic information is provided by the originator.

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

[2] Source of SCN Resistance; S =Susceptible.

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

[4] BL= Black, BF = Buff, BR= Brown, 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. 2021 Characteristics of Soybean Varieties (4 of 10)



| Brand | Entry | Maturity Group | Herbicide Trait[1] | Performance Shown in Table(s) | Seed Treatment(s) | SCN Source[2] | PRR Genes[3] | Color[4] Flower | Pubescence | Pod | Hilum |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Federal Hybrids | F1120N RXF | 1.1 | XF | 4 | Maximum ArmourGuard | PI 88788 | -- | P | LTW | T | BL |
| Federal Hybrids | F1310N RXF | 1.3 | XF | 4 | Maximum ArmourGuard | PI 88788 | Rps 1-c | P | LTW | BR | BL |
| Federal Hybrids | F1520N RXF | 1.5 | XF | 4 | Maximum ArmourGuard | PI 88788 | HRps 1-c | P | LTW | T | BL |
| Federal Hybrids | F1720N RXF | 1.7 | XF | 4 | Maximum ArmourGuard | PI 88788 | HRps 1-c | P | G | BR | IB |
| FS HiSOY | HS 19F10 | 1.9 | XF | 2,3 | Acceleron F/I, Saltro | PI 88788 | Rps 3-a | W | TW | BR | BL |
| FS HiSOY | HS 21E00 | 2.1 | E3 | 2,3 | Acceleron F/I, Saltro | PI 88788 | Rps 1-k | P | G | T | IB |
| FS HiSOY | HS 21F00 | 2.1 | XF | 2,3 | Acceleron F/I, Saltro | PI 88788 | Rps 1-c | P | G | BR | IB |
| FS HiSOY | HS 23F10 | 2.3 | XF | 2,3 | Acceleron F/I, Saltro | PI 88788 | Rps 1-c | P | G | T | G |
| 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 | 2,3 | Acceleron F/I, Saltro | PI 88788 | -- | P | G | T | IB |
| Genesis | G0750E | 0.7 | E3 | 5 | EclipseUS Trio | PI 88788 | Rps 1-c, 3-a | P | G | BR | BF |
| Genesis | G1560E | 1.5 | E3 | 4 | EclipseUS Trio | PI 88788 | Rps 3-a | P | G | T | BF |
| 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, Saltro | PI 88788 | -- | P | G | BR | IB |
| Genesis | G2060E | 2.0 | E3 | 3 | EclipseUS Trio, Saltro | PI 88788 | Rps 1-k | P | G | BR | IB |
| Genesis | G2150E | 2.1 | E3 | 3 | EclipseUS Trio, Saltro | PI 88788 | Rps 1-k | P | G | T | BF |
| Genesis | G2260E | 2.2 | E3 | 3 | EclipseUS Trio, Saltro | PI 88788 | -- | W | G | T | BF |
| Genesis | G2550E | 2.5 | E3 | 2 | EclipseUS Trio, Saltro | PI 88788 | Rps 1-k | W | G | T | BF |
| Genesis | G2960E | 2.9 | E3 | 2 | EclipseUS Trio, Saltro | PI 88788 | Rps 1-k | P | G | BR | IB |
| Golden Harvest | GH0822XF Brand | 0.8 | XF | 5 | CruiserMaxx, Saltro, Vibrance | PI 88788 | Rps 1-c | P | LTW | T | BR |
| Golden Harvest | GH1032XF Brand | 1.0 | XF | 5 | CruiserMaxx, Saltro, Vibrance | PI 88788 | Rps 1-c | P | LTW | T | IY |
| Golden Harvest | GH1414X Brand | 1.4 | RR2X | 3,4 | CruiserMaxx, Saltro, Vibrance | PI 88788 | Rps 1-c | P | LTW | BR | BR |
| Golden Harvest | GH1442XF Brand | 1.4 | XF | 3,4 | CruiserMaxx, Saltro, Vibrance | PI 88788 | Rps 1-c | P | LTW | BR | BR |
| Golden Harvest | GH1762XF Brand | 1.7 | XF | 3 | CruiserMaxx, Saltro, Vibrance | PI 88788 | -- | -- | -- | -- | -- |
| Golden Harvest | GH1802E3 Brand | 1.8 | E3 | 3,4 | CruiserMaxx, Saltro, Vibrance | PI 88788 | Rps 1-c | P | G | BR | IB |

All characteristic information is provided by the originator.

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

[2] Source of SCN Resistance; S =Susceptible.

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

[4] BL= Black, BF = Buff, BR= Brown, 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. 2021 Characteristics of Soybean Varieties (5 of 10)



| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Golden Harvest | GH2102XF Brand | 2.1 | XF | 2,3 | 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 | GH2329X Brand | 2.3 | RR2X | 3 | CruiserMaxx, Saltro, Vibrance | PI 89772 | Rps 1-c | W | LTW | BR | BL |
| Golden Harvest | GH2442E3 Brand | 2.4 | E3 | 3 | CruiserMaxx, Saltro, Vibrance | PI 88788 | Rps 1-c, 3-a | W | G | T | BF |
| Impact | 12E157N | 1.2 | E3 | 5 | YP Pro, Preside CL, Soyfx | PI 88788 | -- | P | G | BR | IB |
| Impact | 13E245N | 1.3 | E3 | 4 | YP Pro, Preside CL, Soyfx | PI 88788 | Rps 1-c | P | G | T | IB |
| Impact | 16LGT035N | 1.6 | LLGT27 | 4 | YP Pro, Preside CL, Soyfx | PI 88788 | Rps 1-k | P | LTW | T | BR |
| Impact | 18E245N | 1.8 | E3 | 4 | YP Pro, Preside CL, Soyfx | PI 88788 | Rps 3-a | P | G | T | BF |
| Impact | 20E245N | 2.0 | E3 | 3 | YP Pro, Preside CL, Soyfx | PI 88788 | -- | P | G | BR | IB |
| Impact | 23E234N | 2.3 | E3 | 2 | YP Pro, Preside CL, Soyfx | PI 88788 | -- | P | G | T | BF |
| Impact | 28E256N | 2.8 | E3 | 2 | YP Pro, Preside CL, 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 | 1135XF | 1.3 | XF | 4 | Acceleron F/I, ILEVO | PI 88788 | Rps 1-c | P | LTW | BR | BL |
| Jung | 1161R2X | 1.6 | RR2X | 4 | Acceleron F/I, ILEVO | PI 88788 | Seg. Rps 1-c | P | G | T | IB |
| Jung | 1182R2X | 1.8 | RR2X | 4 | Acceleron F/I, ILEVO | PI 88788 | Rps 1-c | P | LTW | BR | BL |
| Jung | 1203R2X | 2.0 | RR2X | 3 | Acceleron F/I, ILEVO | PI 88788 | Rps 1-a, 3-a | P | G | BR | IB |
| Jung | 1227XF | 2.2 | XF | 3 | Acceleron F/I, ILEVO | PI 88788 | Rps 1-c | P | G | BR | G |
| Jung | 1243R2X | 2.4 | RR2X | 2,3 | 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 |
| Legacy Seeds | LS094-20 | 0.9 | XF | 5 | L-Coat Total | PI 88788 | Rps 3-a | P | T | T | BR |
| Legacy Seeds | LS-1039 | 1.0 | RR2Y | 5 | L-Coat Total | Peking | Rps 3-a, 1-k | P | G | BR | BF |
| Legacy Seeds | LS104-21 | 1.0 | XF | 5 | L-Coat Total | PI 88788 | Rps 3-a | P | LTW | T | BR |

All characteristic information is provided by the originator.

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

[2] Source of SCN Resistance; S =Susceptible.

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

[4] BL= Black, BF = Buff, BR= Brown, 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. 2021 Characteristics of Soybean Varieties (6 of 10)



| | | | | | | | | Color [4] | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Brand | Entry | Maturity Group | Herbicide Trait[1] | Performance Shown in Table(s) | Seed Treatment(s) | SCN Source[2] | PRR Genes[3] | Flower | Pubescence | Pod | Hilum |
| Legacy Seeds | LS124-21 | 1.2 | XF | 4,5 | L-Coat Total | PI 88788 | Rps 3-a | P | LTW | BR | BL |
| Legacy Seeds | LS134-20 | 1.3 | XF | 4 | L-Coat Total | PI 88788 | Rps 1-c | P | LTW | BR | BL |
| Legacy Seeds | LS151-21C | 1.5 | CN | 7 | Defender | PI 88788 | Rps 1-k | P | LTW | T | BR |
| Legacy Seeds | LS174-20 | 1.7 | XF | 3,4 | L-Coat Total | PI 88788 | Rps 1-c | P | LTW | T | BL |
| Legacy Seeds | LS187-21C | 1.8 | CN | 6,7 | Defender | PI 88788 | Rps 1-k | M | G | T | CL |
| Legacy Seeds | LS184-21 | 1.8 | XF | 3,4 | L-Coat Total | PI 88788 | -- | P | G | T | BF |
| Legacy Seeds | LS201-21C | 2.0 | CN | 6,7 | Defender | PI 88788 | Rps 1-k | P | LTW | BR | BL |
| Legacy Seeds | LS204-21 | 2.0 | XF | 2,3 | L-Coat Total | PI 88788 | Rps 3-a | W | T | BR | BL |
| Legacy Seeds | LS210-21C | 2.1 | CN | 6 | Defender | Peking | Rps 1-k | P | G | T | BF |
| Legacy Seeds | LS227-21C | 2.2 | CN | 6 | Defender | PI 88788 | Rps 1-a | M | LTW | T | BR |
| Legacy Seeds | LS224-20 | 2.2 | XF | 2,3 | L-Coat Total | PI 88788 | Rps 1-c | P | G | T | G |
| Legacy Seeds | LS231-21C | 2.3 | CN | 6 | Defender | PI 88788 | Rps 1-a | P | LTW | BR | BL |
| Legacy Seeds | LS244-21 | 2.4 | XF | 2 | L-Coat Total | PI 88788 | Rps 1-c | P | G | BR | IB |
| Legacy Seeds | LS155-21C | 2.5 | CN | 6 | Defender | -- | Rps 1-k | P | G | BR | CL |
| Legacy Seeds | LS254-21 | 2.5 | XF | 2 | L-Coat Total | PI 88788 | Rps 1-c | P | G | T | G |
| Legacy Seeds | LS260-21C | 2.6 | CN | 6 | Defender | PI 88788 | Rps 1-k | P | G | T | BF |
| Legend Seeds | LS 0380 HP | 0.3 | CN | 7 | YP Pro, Preside CL, Soyfx | S | -- | P | G | T | Y |
| Legend Seeds | LS 0702 HP | 0.7 | CN | 7 | YP Pro, Preside CL, Soyfx | S | Rps 1-k | P | G | BR | Y |
| Legend Seeds | LS 10C153N | 1.0 | CN | 7 | YP Pro, Preside CL, Soyfx | PI 88788 | -- | W | G | BR | Y |
| LG Seeds | LGS0701XF | 0.7 | XF | 5 | AgriShield Max, Saltro | PI 88788 | Rps 3-a | P | LTW | BR | BL |
| LG Seeds | LGS1203E3 | 1.2 | E3 | 5 | AgriShield Max, Saltro | PI 88788 | Rps 1-c | P | G | T | IB |
| LG Seeds | LGS1848XF | 1.8 | XF | 4 | AgriShield Max, Saltro | PI 88788 | Rps 1-c | P | LTW | BR | BR |
| LG Seeds | LGS2025XF | 2.0 | XF | 3 | AgriShield Max, Saltro | PI 88788 | Rps 1-c | P | G | T | G |
| LG Seeds | LGS2215XF | 2.2 | XF | 3 | AgriShield Max, Saltro | PI 88788 | Rps 1-c | P | G | BR | IB |
| LG Seeds | LGS2491XF | 2.4 | XF | 2 | AgriShield Max, Saltro | PI 88788 | Rps 1-c | P | G | BR | IB |

All characteristic information is provided by the originator.

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

[2] Source of SCN Resistance; S =Susceptible.

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

[4] BL= Black, BF = Buff, BR= Brown, 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. 2021 Characteristics of Soybean Varieties (7 of 10)



| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Loyal Brand | L1230E | 1.2 | E3 | 4,5 | L-Coat Total | PI 88788 | Rps 1-c | P | G | BR | IB |
| Loyal Brand | L1440E | 1.4 | E3 | 4,5 | L-Coat Total | PI 88788 | -- | P | LTW | T | BL |
| Loyal Brand | L1540E | 1.5 | E3 | 3,4 | L-Coat Total | PI 88788 | Rps 3-a | P | G | T | BF |
| Loyal Brand | L1740E | 1.7 | E3 | 3,4 | L-Coat Total | PI 88788 | Rps 3-a | P | G | T | BF |
| Loyal Brand | L1940E | 1.9 | E3 | 3,4 | L-Coat Total | PI 88788 | -- | P | G | BR | IB |
| Loyal Brand | L2130E | 2.1 | E3 | 2,3 | L-Coat Total | PI 88788 | Rps 1-k | P | G | BR | IB |
| Loyal Brand | L2240E | 2.2 | E3 | 2,3 | L-Coat Total | PI 88788 | -- | W | G | T | BF |
| Loyal Brand | L2530E | 2.5 | E3 | 2 | L-Coat Total | PI 88788 | -- | P | G | BR | IB |
| Mustang | 22X228 | 2.2 | RR2X | 2 | YP Pro, Preside CL, Soyfx | PI 88788 | -- | W | G | G | -- |
| NK | NK02-M4XF Brand | 0.2 | XF | 4,5 | CruiserMaxx, Saltro, Vibrance | PI 88788 | Rps 1-c | P | LTW | T | BL |
| NK | NK04-G8E3 Brand | 0.4 | E3 | 4,5 | CruiserMaxx, Saltro, Vibrance | -- | Rps 1-c, 3-a | P | G | BR | Y |
| NK | NK05-W3XF Brand | 0.5 | XF | 4,5 | CruiserMaxx, Saltro, Vibrance | PI 88788 | Rps 1-c | P | LTW | T | IY |
| NK | NK08-V9E3 Brand | 0.8 | E3 | 3,4,5 | CruiserMaxx, Saltro, Vibrance | PI 88788 | -- | P | G | T | BF |
| NK | NK08-B7XF Brand | 0.8 | XF | 3,4,5 | CruiserMaxx, Saltro, Vibrance | PI 88788 | Rps 1-c | P | LTW | T | BR |
| NK | NK10-W8XF Brand | 1.0 | XF | 3,4,5 | CruiserMaxx, Saltro, Vibrance | PI 88788 | Rps 1-c | P | LTW | T | IY |
| NK | NK14-W6E3 Brand | 1.4 | E3 | 2,3,4 | CruiserMaxx, Saltro, Vibrance | Peking | Rps 1-c, 3-a | P | G | T | BF |
| NK | NK14-C7XF Brand | 1.4 | XF | 2,3,4 | CruiserMaxx, Saltro, Vibrance | PI 88788 | Rps 1-c | P | LTW | BR | BR |
| NK | S17-E3 Brand | 1.7 | E3 | 2,3 | CruiserMaxx, Saltro, Vibrance | -- | -- | -- | -- | -- | -- |
| NK | NK17-M2XF Brand | 1.7 | XF | 2,3,4 | CruiserMaxx, Saltro, Vibrance | PI 88788 | Rps 1-c | P | LTW | BR | BR |
| NK | NK18-J7E3 Brand | 1.8 | E3 | 2,3,4 | CruiserMaxx, Saltro, Vibrance | PI 88788 | Rps 1-c | P | G | BR | IB |
| NK | NK19-C8XF Brand | 1.9 | XF | 2,3 | CruiserMaxx, Saltro, Vibrance | PI 88788 | Rps 1-c, 3-a | P | LTW | BR | G |
| NK | NK21-H4XF Brand | 2.1 | XF | 2,3 | CruiserMaxx, Saltro, Vibrance | PI 88788 | Rps 1-c | W | LTW | BR | BL |
| NK | NK22-C4E3 Brand | 2.2 | E3 | 2,3 | CruiserMaxx, Saltro, Vibrance | PI 88788 | Rps 1-c | P | G | BR | IB |
| NK | NK24-G7E3 Brand | 2.4 | E3 | 2,3 | CruiserMaxx, Saltro, Vibrance | PI 88788 | Rps 1-c, 3-a | W | G | T | BF |
| NK | NK25-C9XF Brand | 2.5 | XF | 2 | CruiserMaxx, Saltro, Vibrance | PI 88788 | Rps 1-c | W | LTW | BR | BL |

All characteristic information is provided by the originator.

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

[2] Source of SCN Resistance; S =Susceptible.

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

[4] BL= Black, BF = Buff, BR= Brown, 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. 2021 Characteristics of Soybean Varieties (8 of 10)



| | | | | | | | | Color [4] | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Brand | Entry | Maturity Group | Herbicide Trait[1] | Performance Shown in Table(s) | Seed Treatment(s) | SCN Source[2] | PRR Genes[3] | Flower | Pubescence | Pod | Hilum |
| NK | NK27-A7XF Brand | 2.7 | XF | 2 | CruiserMaxx, Saltro, Vibrance | PI 88788 | Rps 1-c | P | LTW | BR | BL |
| NK | NK28-T3XF Brand | 2.8 | XF | 2 | CruiserMaxx, Saltro, Vibrance | PI 88788 | -- | P | LTW | T | BL |
| NK | NK29-A5E3 Brand | 2.9 | E3 | 2 | CruiserMaxx, Saltro, Vibrance | PI 88788 | Rps 1-c, 3-a | W | G | T | BF |
| O'Brien | O'SOY1620GT27LL | 1.6 | LLGT27 | 3,4 | CruiserMaxx, Vibrance | -- | -- | P | LTW | T | BR |
| O'Brien | O'SOY2120GT27LL | 2.1 | LLGT27 | 2,3 | CruiserMaxx, Vibrance | -- | -- | P | LTW | BR | BR |
| O'Brien | O'SOY2421GT27LL | 2.4 | LLGT27 | 2 | CruiserMaxx, Vibrance | PI 88788 | Rps 1-k | P | LTW | BR | BL |
| P3 Genetics | 1924E | 2.4 | E3 | 2 | Profit Guard Plus | PI 88788 | Rps 1-k | P | G | T | BF |
| P3 Genetics | 2126E | 2.6 | E3 | 2 | Profit Guard Plus | PI 88788 | Rps 1-k | P | LTW | BR | BL |
| P3 Genetics | 1928E | 2.8 | E3 | 2 | Profit Guard Plus | PI 88788 | Rps 1-k | W | G | T | BF |
| P3 Genetics | 2229E | 2.9 | E3 | 2 | Profit Guard Plus | PI 88788 | Rps 1-k | W | LTW | T | BR |
| ProHarvest | 0985CR2Y | 0.9 | RR2Y | 5 | CruiserMaxx, Vibrance | Peking | Rps 3-a, 1-k | P | G | BR | BF |
| ProHarvest | EXF21112 | 1.1 | E3 | 4,5 | CruiserMaxx, Vibrance | -- | -- | -- | -- | -- | -- |
| ProHarvest | 1638X | 1.6 | RR2X | 4 | CruiserMaxx, Vibrance | PI 88788 | Rps 1-c, 1-k | P | G | BR | IB |
| ProHarvest | 17F27 | 1.7 | XF | 4 | CruiserMaxx, Vibrance | PI 88788 | -- | P | LTW | BR | BR |
| ProHarvest | EXF21201 | 2.0 | XF | 3 | CruiserMaxx, Vibrance | PI 88788 | Rps 3-a | W | TW | BR | BL |
| Public | MN1410 | 1.4 | CN | 6,7 | Arma | -- | -- | W | G | BR | BF |
| Renk | RS100NX | 1.0 | RR2X | 5 | EclipseUS Trio | PI 88788 | -- | P | LTW | BR | BR |
| Renk | RS142NXF | 1.4 | XF | 4 | EclipseUS Trio | PI 88788 | Rps 1-c, 3-a | W | LTW | T | BL |
| Renk | RS150NX | 1.5 | RR2X | 4 | EclipseUS Trio | PI 88788 | Rps 1-c | P | G | BR | IB |
| Renk | RS219NX | 2.1 | RR2X | 3 | EclipseUS Trio, Saltro | PI 88788 | Rps 1-a, 3-a | P | G | T | G |
| Renk | RS212NXF | 2.1 | XF | 3 | EclipseUS Trio, Saltro | PI 88788 | Rps 3-a | P | G | BR | IB |
| Renk | RS248NX | 2.4 | RR2X | 3 | EclipseUS Trio, Saltro | PI 88788 | -- | P | LTW | T | BL |
| Renk | RS282NXF | 2.8 | XF | 2 | EclipseUS Trio, Saltro | PI 88788 | Rps 1-c | P | G | G | T |
| SB&B | SB700 | 0.7 | CN | 6,7 | CruiserMaxx | -- | Rps 1-c | P | T | BR | IY |
| SB&B | SB0718 | 0.8 | CN | 6,7 | CruiserMaxx | PI 88788 | -- | P | G | T | Y |

All characteristic information is provided by the originator.

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

[2] Source of SCN Resistance; S =Susceptible.

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

[4] BL= Black, BF = Buff, BR= Brown, 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. 2021 Characteristics of Soybean Varieties (9 of 10)



| | | | | | | | | Color [4] | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Brand | Entry | Maturity Group | Herbicide Trait[1] | Performance Shown in Table(s) | Seed Treatment(s) | SCN Source[2] | PRR Genes[3] | Flower | Pubescence | Pod | Hilum |
| 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 |
| Sevita | Skyline | 1.1 | CN | 7 | Fortenza, VibranceMaxx | PI 88788 | -- | P | G | -- | Y |
| Sevita | Candor | 1.9 | CN | 6,7 | Fortenza, VibranceMaxx | -- | -- | P | G | -- | Y |
| Stine | 09EA02 | 0.9 | E3 | 5 | EclipseUS Quad IM, N-Force, N-Hibit, Ceramax | PI 88788 | -- | P | G | -- | IB |
| Stine | 11EC02 | 1.1 | E3 | 4,5 | EclipseUS Quad IM, N-Force, N-Hibit, Ceramax | PI 88788 | -- | P | G | -- | IB |
| Stine | 12EB32 | 1.2 | E3 | 4 | EclipseUS Quad IM, N-Force, N-Hibit, Ceramax | PI 88788 | Rps 1-c | P | G | -- | IB |
| Stine | 16EC32 | 1.6 | E3 | 3,4 | EclipseUS Quad IM, N-Force, N-Hibit, Ceramax | PI 88788 | Rps 1-k | P | G | -- | IB |
| Stine | 19EC12 | 1.9 | E3 | 2,3 | EclipseUS Quad IM, N-Force, N-Hibit, Ceramax | PI 88788 | Rps 1-k | P | G | -- | IB |
| Stine | 19EC32 | 1.9 | E3 | 2,3 | EclipseUS Quad IM, N-Force, N-Hibit, Ceramax | PI 88788 | Rps 1-k | P | G | -- | IB |
| Stine | 24EA12 | 2.4 | E3 | 2,3 | EclipseUS Quad IM, N-Force, N-Hibit, Ceramax | PI 88788 | -- | P | G | -- | IB |
| Stine | 24EE32 | 2.4 | E3 | 2,3 | EclipseUS Quad IM, N-Force, N-Hibit, Ceramax | PI 88788 | Rps 1-k | W | G | -- | BF |
| Stine | 27EA23 | 2.7 | E3 | 2 | EclipseUS Quad IM, N-Force, N-Hibit, Ceramax | PI 88788 | Rps 1-k | W | G | -- | BF |
| Stine | 28EC32 | 2.8 | E3 | 2 | EclipseUS Quad IM, N-Force, N-Hibit, Ceramax | PI 88788 | Rps 1-k | P | G | -- | IB |
| Stine | 29EB22 | 2.9 | E3 | 2 | EclipseUS Quad IM, N-Force, N-Hibit, Ceramax | PI 88788 | -- | W | LTW | -- | BR |
| Tracy | 1252E | 1.2 | E3 | 3 | Intego Suite, N-Force | PI 88788 | -- | P | G | BR | IB |
| Tracy | 1641GTLL | 1.6 | LLGT27 | 3 | Intego Suite, N-Force | PI 88788 | Rps 1-k | P | LTW | T | BR |
| Tracy | 2142GTLL | 2.1 | LLGT27 | 3 | Intego Suite, N-Force | PI 88788 | -- | P | LTW | T | BL |
| Tracy | 2452E | 2.4 | E3 | 3 | Intego Suite, N-Force | PI 88788 | -- | P | G | BR | IB |
| Tracy | 2442GTLL | 2.4 | LLGT27 | 2 | Intego Suite, N-Force | PI 88788 | Rps 1-k | P | LTW | BR | BL |
| Tracy | 2551E | 2.5 | E3 | 2 | Intego Suite, N-Force | PI 88788 | -- | P | G | BR | IB |
| Tracy | 2841GTLL | 2.8 | LLGT27 | 2 | Intego Suite, N-Force | PI 88788 | -- | P | LTW | T | BL |
| Viking | 0.0821N | 0.8 | CN | 7 | None | PI 88788 | -- | P | LTW | T | BR |
| Viking | 1218N | 1.2 | CN | 7 | None | PI 88788 | Rps 3-a | P | LTW | BR | BL |

All characteristic information is provided by the originator.

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

[2] Source of SCN Resistance; S =Susceptible.

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

[4] BL= Black, BF = Buff, BR= Brown, 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. 2021 Characteristics of Soybean Varieties (10 of 10)



| | | | | | | | | Color [4] | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Brand | Entry | Maturity Group | Herbicide Trait[1] | Performance Shown in Table(s) | Seed Treatment(s) | SCN Source[2] | PRR Genes[3] | Flower | Pubescence | Pod | Hilum |
| Viking | 0.1202N | 1.2 | CN | 7 | None | PI 88788 | Rps 1-k | W | TW | BR | BR |
| Viking | 0.1518N | 1.5 | CN | 7 | Vibrance Trio | PI 88788 | -- | P | LTW | BR | BR |
| Viking | 0.1718N | 1.7 | CN | 7 | None | -- | -- | W | TW | BR | BL |
| Viking | 0.E1993N | 1.9 | CN | 6 | None | PI 88788 | -- | P | G | BR | IB |
| Viking | 0.2155N | 2.1 | CN | 6 | CruiserMaxx | PI 88788 | Rps 1-a | M | LTW | T | BR |
| Viking | 2340KN | 2.3 | CN | 6 | CruiserMaxx | Peking | Rps 1-k | P | G | T | BF |
| Viking | 0.2244AT | 2.2 | CN | 6 | Apron, Vibrance | -- | -- | P | TW | T | BL/BR |
| Viking | 0.2418N | 2.4 | CN | 6 | CruiserMaxx | PI 88788 | Rps 1-c | P | LTW | BR | BL |
| Viking | 0.2702 | 2.7 | CN | 6 | None | -- | -- | W | LTW | BR | BR |
| Xitavo | XO 0602E | 0.6 | E3 | 4,5 | Obvius Plus, Poncho/Votivo, ILEVO | PI 88788 | -- | P | G | T | BF |
| Xitavo | XO 0731E | 0.7 | E3 | 4,5 | Obvius Plus, Poncho/Votivo, ILEVO | PI 88788 | Rps 1-c, 3-a | P | G | BR | IB |
| Xitavo | XO 1212E | 1.2 | E3 | 3,4 | Obvius Plus, Poncho/Votivo, ILEVO | PI 88788 | -- | P | G | T | IB |
| Xitavo | XO 1372E | 1.3 | E3 | 3,4 | Obvius Plus, Poncho/Votivo, ILEVO | PI 88788 | -- | P | G | BR | IB |
| Xitavo | XO 1632E | 1.6 | E3 | 3,4 | Obvius Plus, Poncho/Votivo, ILEVO | PI 88788 | Rps 3-a | P | G | T | BF |
| Xitavo | XO 1761E | 1.7 | E3 | 3 | Obvius Plus, Poncho/Votivo, ILEVO | PI 88788 | Rps 1-k | P | G | BR | IB |
| Xitavo | XO 1822E | 1.8 | E3 | 3 | Obvius Plus, Poncho/Votivo, ILEVO | PI 88788 | Rps 3-a | P | G | T | BF |
| Xitavo | XO 2181E | 2.1 | E3 | 2,3 | Obvius Plus, Poncho/Votivo, ILEVO | PI 88788 | Rps 1-k | P | G | BR | IB |
| Xitavo | XO 2282E | 2.2 | E3 | 2,3 | Obvius Plus, Poncho/Votivo, ILEVO | PI 88788 | -- | W | G | T | BF |
| Xitavo | XO 2501E | 2.5 | E3 | 2 | Obvius Plus, Poncho/Votivo, ILEVO | PI 88788 | -- | P | G | BR | IB |
| Xitavo | XO 2832E | 2.8 | E3 | 2 | Obvius Plus, Poncho/Votivo, ILEVO | PI 88788 | Rps 1-k | P | G | BR | IB |

All characteristic information is provided by the originator.

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

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