W1360

# Soybean Variety Tests in Tennessee 2025

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**Vince Pantalone,** Professor, Soybean Breeding and Genetics
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UTEXTENSION
INSTITUTE OF AGRICULTURE
THE UNIVERSITY OF TENNESSEE

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**This report is available as a pdf and as searchable, mobile-friendly tables at:**
**search.utcrops.com**

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**Randi Dunagan,** Research Associate
**Kacey Cannon**, Research Associate
**Andrew Wood**, Research Coordinator

Additionally, we are grateful for the continued support of our county standard tests which would not be possible without the dedication of the many county Extension agents and cooperators who contribute to these results (for a full list of Extension agents and cooperators, see table 3).

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# SOYBEAN VARIETY TESTS IN TENNESSEE

# 2025

## ***Experimental Procedures***

**AgResearch & Education Center Tests:** All soybean variety trials were conducted in each of the physiographic regions of the state. Tests were conducted at Northeast Tennessee (Greeneville), East Tennessee (Knoxville), Middle Tennessee (Spring Hill), Highland Rim (Springfield), Milan (Milan) and West Tennessee (Jackson) AgResearch and Education Centers **(REC)**. Entries were divided into the following tests based on relative maturity: **MG-3** (relative maturity 3.0-3.9), **MG-4E** (relative maturity 4.0– 4.5) and **MG-4L** (relative maturity: 4.6-4.9). The MG-4E and MG-4L tests were further split by herbicide trait technology into Xtendflex (XF) and Enlist (E3). Duplicate plantings of all tests were made at the **Milan and Highland Rim REC** for performance testing **with and without irrigation**.

The plot size at all REC locations was two, 30-ft. rows with 30-inch row spacing. All varieties were planted at approximately six seeds per foot of row (i.e., approximately 140,000 seed per acre in the REC tests). Plots were replicated three times at each location in a randomized complete block design.

**Genetics Plus Seed Treatments:** Seed of all varieties included in the REC tests were treated with one or more fungicides plus an insecticide. Research has shown that seed treatments can influence yield, therefore **the yields of varieties reported herein are the combined result of the genetic potential of the varieties plus the seed treatment "packages."** The seed treatments that were included in each variety were determined by the company or organization and are listed in Table 4. Many soybean varieties are now being marketed with combinations of fungicides and insecticides on the seed, similar to corn. A decision was made to test the varieties in the UT soybean performance tests with the seed treatments so the results would be comparable to what producers could expect from seed they purchase.

**County Standard Tests:** The County Standard Soybean Tests were conducted in 16 counties in Tennessee. The number of county locations depended on the test (Table 3). The County Standard Tests were divided by herbicide tolerance into Xtend Flex and Enlist and then further divided by relative maturity. Tests included **MG-4 Enlist** (relative maturity 4.0-4.9), **MG-4E XtendFlex** (relative maturity 3.9-4.5) and **MG-4L Enlist** (relative maturity 4.5-5.0). Each variety was evaluated in a large strip-plot at each location; thus, each county test was considered as one replication of the test in calculating the overall average yield and in conducting the statistical analysis to determine significant differences. At each location, plots were planted, sprayed, fertilized and harvested with the equipment used in the cooperating producer's farming operation. The width and length of strip-plots were different in each county; however, within a location in a county, the strips were trimmed on the ends so that the lengths were the same for each variety, or if the lengths were different then the harvested length was measured for each variety and appropriate harvested area adjustments were made to determine the yield per acre.

## ***Interpretation of Data***

The tables on the following pages have been prepared with the entries listed in order of yield performance, the highest-yielding entry being listed first. Mean separation was performed using the **LSD (Least Significant Difference) test**. The mean trait value of any two entries being compared must differ by at least the LSD amount shown to be considered different at the 5 percent level of probability of significance. For example, given that the LSD for a test is 7 bu/a and the mean yield of Variety A was 55 bu/a and the mean yield of Variety B was 49 bu/a, then the two hybrids are not statistically different in

yield because the difference of 6 bu/a is less than the minimum of 7 bu/a required for them to be significant. Similarly, if the average yield of Variety C was 63 bu/a, then it is significantly higher yielding than both Variety B (63 - 49 = 14 bu/a > LSD of 7 bu/a) and Variety A (63 - 55 = 8 bu/a > LSD of 7 bu/ac). Tests with an LSD value of N.S. indicate there were no significant differences in entry performance within that test.

To simplify interpretation, **Mean Separation Letters** have been listed next to each entry for the test of average yield across all locations. Varieties that have any letter in common are not significantly different in yield at the 5 percent level of probability based on the LSD test. Varieties with performance not significantly different from the top-performing hybrid will have an "A" included in the list of mean separation letters next to that entry.

The **coefficient of variation (C.V.)** values are also shown at the bottom of each table. This value is a measure of the error variability found within each experiment. It is calculated as the ratio of the square root of error variance to the mean yield. For example, a C.V. of 10 percent indicates that the size of the error variation is about 10 percent of the size of the test mean. Similarly, a C.V. of 30 percent indicates that the size of the error variation is nearly one-third as large as the test mean. A goal in conducting each yield test is to keep the C.V. as low as possible, preferably below 20 percent. The C.V. is not reported for traits, such as lodging, which are not on a ratio scale and/or have a mean value near zero.

## ***Results***

***Yield and Agronomic Traits.*** Seventy-two soybean varieties were evaluated in the 2025 **Research & Education Center (REC)** tests in Tennessee. There were seven varieties in the MG-3, 13 in the MG-4E E3, eight in the MG-4E XF, 16 in the MG-4L E3 and 28 in the MG-4L XF. Herbicide tolerance varied by entries with the majority falling into the XtendFlex (XF) category, either with or without STS (40 entries) (Table 1). A breakdown of herbicide tolerance by test is given in Table 1.

Thirty-eight varieties were evaluated in the **County Standard tests (CST)**, including the following number of varieties and counties within each test: MG-4 E3 Tests (18 variety, 7 locs), MG-4E XF (8 varieties, 6 locs), MG-4L XF (12 varieties, 5 locs).

**Table 1.** Herbicide trait technology (A) and number of soybean entries within each herbicide trait class and maturity group in the 2024 UT AgResearch and Education Center soybean variety trials (B).

A.

| | Abbr. | Description/Trade Name | Sulfonylurea | Glufosinate | Glyphosate | Dicamba | 2,4-D | HPPDi |
|---|---|---|---|---|---|---|---|---|
| **Triple** | XF | XtendFlex | | x | x | x | | |
| | E3 | Enlist E3 | | x | x | | x | |
| **Quad** | XF+STS | XtendFlex with STS | x | x | x | x | | |
| | E3+STS | Enlist with STS | x | x | x | | x | |

B.

| | Abbr. | MG-3 | MG-4E | MG-4L | MG-5 | Total |
|---|---|---|---|---|---|---|
| **Triple** | XF | 1 | 3 | 11 | 2 | 17 |
| | E3 | 5 | 11 | 8 | 1 | 25 |
| **Quad** | XF+STS | 0 | 5 | 14 | 1 | 20 |
| | E3+STS | 1 | 2 | 7 | 0 | 10 |
| | | **7** | **21** | **40** | **4** | **72** |

***Irrigated vs. Non-irrigated Yields.*** Duplicate tests were conducted at the Milan and Springfield AgResearch and Education Center locations with and without irrigation. Irrigation had a large impact on yield in 2025 at both sites and all tests. Irrigated tests out-yielded non-irrigated tests on average 22 bu/ac at Milan and 24.5 bu/ac at Springfield. Differences were fairly consistent across tests at Milan (MG3: 19 bu/ac; MG-4E E3: 25 bu/ac; MG-4E XF: 22 bu/ac; MG-4L E3: 22 bu/ac; MG-4L XF: 22 bu/ac). At Springfield, a similar trend was observed, with the exception of the MG-4L E3 test, which showed a smaller difference and the MG3 tests, which had yields too low to register on the combine in the non-irrigated test (MG3: 41 bu/ac; MG-4E E3: 23 bu/ac; MG-4E XF: 22 bu/ac; MG-4L E3: 12 bu/ac; MG-4L XF: 24.5 bu/ac)

**Growing Season:** Soybean official variety trials were planted across all AgResearch and Education Center locations in mid-May. Throughout May, statewide soybean planting was ahead of or on par with the five-year average. Fifty-nine percent of soybeans were planted by late May and 99 percent by late-June. June and July were marked by warmer and drier than average conditions. Locations in the central and Southern part of the state suffered more from a lack of timely rainfall, with conditions ranging from abnormally dry to extreme drought. By late August, only 49 percent of the crop was rated good to excellent. By late-September, 33 percent of soybeans had been harvested statewide, increasing to 86 percent by mid-November. According to the National Agricultural Statistics Service, soybean yield is projected to be 45 bu/ac in Tennessee. This is an increase of 2 bu/ac from 2024 state average (42 bu/ac) and 8.7 bu/ac lower than the 2024 National average (50.7 bu/ac). In 2025, an estimated 1,750,000 acres of soybean were planted in Tennessee. This is a decrease of 70,000 acres compared to 2024, which had 1,820,000 acres planted. Graphs illustrating the temperature and precipitation across the growing season for each REC location are presented below (Figure 1).

Figure 1. Minimum, maximum, and average temperature and total precipitation by AgResearch and Education Center location across the 2025 soybean growing season (April through September).

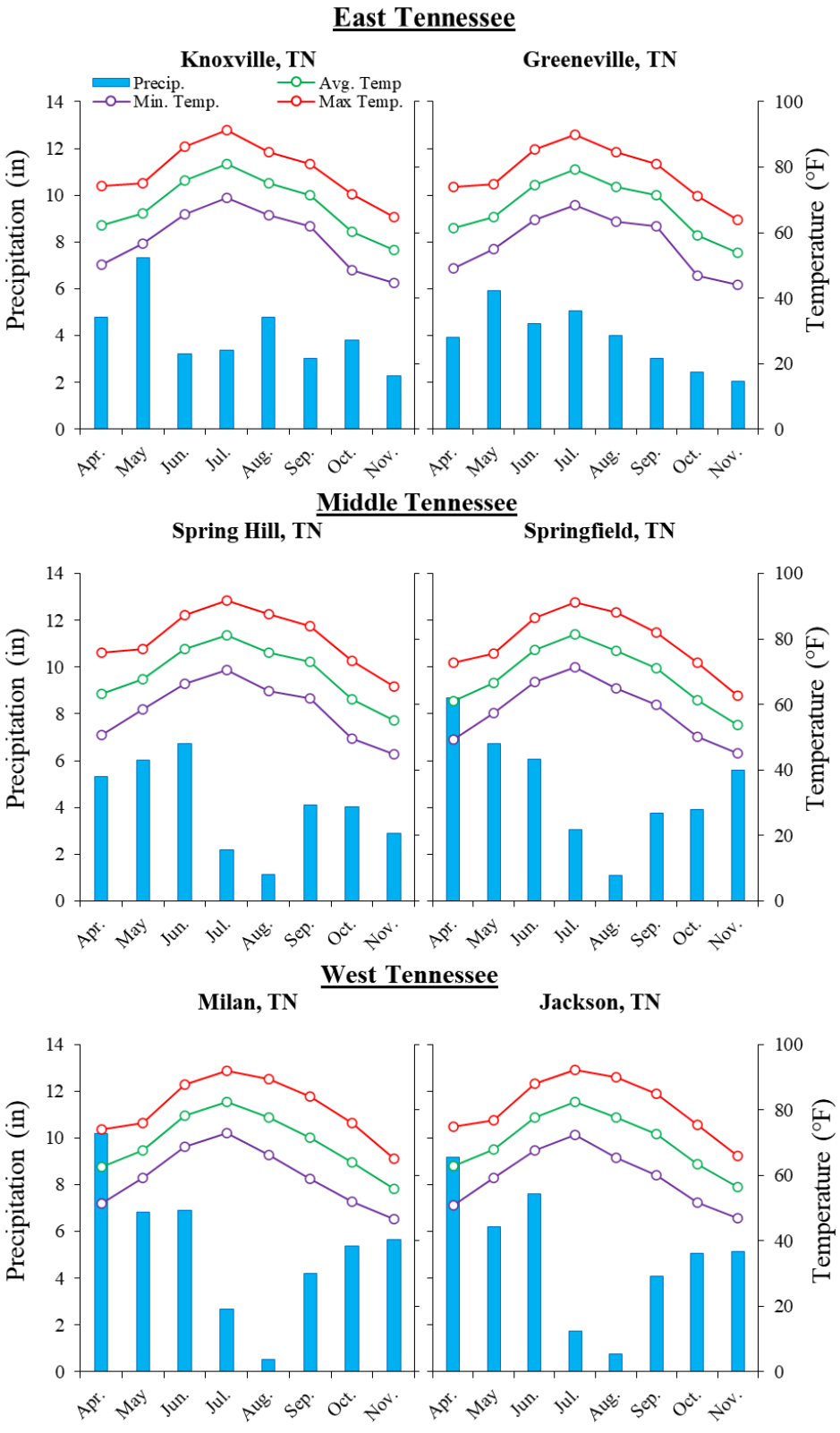

**Table 2. Location information from AgResearch and Education Centers where soybean variety tests were conducted in Tennessee in 2025.**

**Maturity Group III**

| Location | AgResearch and Education Center | Irrigation | Planting Date | Harvest Date | Seeding Rate | Soil Type |
|---|---|---|---|---|---|---|
| Springfield | Highland Rim | Irrigated | May 13, 2025 | October 14, 2025 | 140000 | Dickson Silt Loam |
| Springfield | Highland Rim | Non-irrigated | May 13, 2025 | October 14, 2025 | 140000 | Dickson Silt Loam |
| Spring Hill | Middle Tennessee | Non-irrigated | May 14, 2025 | October 24, 2025 | 140000 | Maury Silt Loam |
| Greeneville | Northeast Tennessee | Non-irrigated | May 22, 2025 | October 13, 2025 | 140000 | Cumberland & Waynesboro Silt Loam |
| Knoxville | East Tennessee | Irrigated | May 16, 2025 | October 13, 2025 | 140000 | Shade Loam |
| Milan | Milan | Irrigated | May 16, 2025 | October 15, 2025 | 140000 | Loring silt loam |
| Milan | Milan | Non-irrigated | May 16, 2025 | October 14, 2025 | 140000 | Grenada silt loam |
| Jackson | West Tennessee | Non-irrigated | May 14, 2025 | September 18, 2025 | 140000 | Collins, Vicksburg |

**Maturity Group Early IV (4.0 - 4.5) - E3**

| Location | AgResearch and Education Center | Irrigation | Planting Date | Harvest Date | Seeding Rate | Soil Type |
|---|---|---|---|---|---|---|
| Springfield | Highland Rim | Irrigated | May 13, 2025 | October 14, 2025 | 140000 | Dickson Silt Loam |
| Springfield | Highland Rim | Non-irrigated | May 13, 2025 | October 15, 2025 | 140000 | Dickson Silt Loam |
| Spring Hill | Middle Tennessee | Non-irrigated | May 15, 2025 | October 24, 2025 | 140000 | Maury Silt Loam |
| Greeneville | Northeast Tennessee | Non-irrigated | May 22, 2025 | October 14, 2025 | 140000 | Cumberland & Waynesboro Silt Loam |
| Knoxville | East Tennessee | Irrigated | May 16, 2025 | October 13, 2025 | 140000 | Shade Loam |
| Milan | Milan | Irrigated | May 16, 2025 | October 15, 2025 | 140000 | Loring silt loam |
| Milan | Milan | Non-irrigated | May 16, 2025 | October 14, 2025 | 140000 | Grenada silt loam |
| Jackson | West Tennessee | Non-irrigated | May 14, 2025 | September 29, 2025 | 140000 | Collins, Vicksburg |

**Maturity Group Early IV (4.0 - 4.5) - XF**

| Location | AgResearch and Education Center | Irrigation | Planting Date | Harvest Date | Seeding Rate | Soil Type |
|---|---|---|---|---|---|---|
| Springfield | Highland Rim | Irrigated | May 13, 2025 | October 14, 2025 | 140000 | Dickson Silt Loam |
| Springfield | Highland Rim | Non-irrigated | May 13, 2025 | October 15, 2025 | 140000 | Dickson Silt Loam |
| Spring Hill | Middle Tennessee | Non-irrigated | May 15, 2025 | October 24, 2025 | 140000 | Maury Silt Loam |
| Greeneville | Northeast Tennessee | Non-irrigated | May 22, 2025 | October 16, 2025 | 140000 | Cumberland & Waynesboro Silt Loam |
| Knoxville | East Tennessee | Irrigated | May 16, 2025 | October 13, 2025 | 140000 | Shade Loam |
| Milan | Milan | Irrigated | May 16, 2025 | October 15, 2025 | 140000 | Loring silt loam |
| Milan | Milan | Non-irrigated | May 16, 2025 | October 14, 2025 | 140000 | Grenada silt loam |
| Jackson | West Tennessee | Non-irrigated | May 14, 2025 | September 29, 2025 | 140000 | Collins, Vicksburg |

**Table 2. Location information from AgResearch and Education Centers where soybean variety tests were conducted in Tennessee in 2025. cont.**

**Maturity Group Late IV (4.6 - 4.9) - E3**

| Location | AgResearch and Education Center | Irrigation | Planting Date | Harvest Date | Seeding Rate | Soil Type |
|---|---|---|---|---|---|---|
| Springfield | Highland Rim | Irrigated | May 13, 2025 | October 14, 2025 | 140000 | Dickson Silt Loam |
| Springfield | Highland Rim | Non-irrigated | May 13, 2025 | October 15, 2025 | 140000 | Dickson Silt Loam |
| Spring Hill | Middle Tennessee | Non-irrigated | May 15, 2025 | November 12, 2024 | 140000 | Maury Silt Loam |
| Greeneville | Northeast Tennessee | Non-irrigated | May 22, 2025 | October 23, 2025 | 140000 | Cumberland & Waynesboro Silt Loam |
| Knoxville | East Tennessee | Irrigated | May 16, 2025 | October 16, 2025 | 140000 | Shade Loam |
| Milan | Milan | Irrigated | May 16, 2025 | October 16, 2025 | 140000 | Loring silt loam |
| Milan | Milan | Non-irrigated | May 16, 2025 | October 15, 2025 | 140000 | Grenada silt loam |
| Jackson | West Tennessee | Non-irrigated | May 14, 2025 | September 30, 2025 | 140000 | Collins, Vicksburg |

**Maturity Group Late IV (4.6 - 4.9) - XF**

| Location | AgResearch and Education Center | Irrigation | Planting Date | Harvest Date | Seeding Rate | Soil Type |
|---|---|---|---|---|---|---|
| Springfield | Highland Rim | Irrigated | May 13, 2025 | October 14, 2025 | 140000 | Dickson Silt Loam |
| Springfield | Highland Rim | Non-irrigated | May 13, 2025 | October 15, 2025 | 140000 | Dickson Silt Loam |
| Spring Hill | Middle Tennessee | Non-irrigated | May 15, 2025 | November 12, 2024 | 140000 | Maury Silt Loam |
| Greeneville | Northeast Tennessee | Non-irrigated | May 22, 2025 | October 23, 2025 | 140000 | Cumberland & Waynesboro Silt Loam |
| Knoxville | East Tennessee | Irrigated | May 16, 2025 | October 16, 2025 | 140000 | Shade Loam |
| Milan | Milan | Irrigated | May 16, 2025 | October 16, 2025 | 140000 | Loring silt loam |
| Milan | Milan | Non-irrigated | May 16, 2025 | October 15, 2025 | 140000 | Grenada silt loam |
| Jackson | West Tennessee | Non-irrigated | May 14, 2025 | October 3, 2025 | 140000 | Collins, Vicksburg |

**Table 3. Location information from counties where the soybean variety tests were conducted in 2025.**

**Extend Flex Early (3.9 - 4.5)**

| County | Cooperator | Agent | Planting Date |
|---|---|---|---|
| Decatur | Stacy Vise | Cheyenne Rushing | April 17, 2025 |
| Gibson | Denton Parkins | Jake Mallard | May 19, 2025 |
| Haywood | Williams | Lindsay Stephenson | May 15, 2025 |
| Henry | Brannon Farm | Ranson Goodman | April 23, 2025 |
| Perry | Craig & Tim Byrd | Amanda Mathenia | May 23, 2025 |
| Weakley | Ogg | Bronson Bass | June 4, 2025 |

**Xtend Flex Late (4.6 - 5.4)**

| County | Cooperator | Agent | Planting Date |
|---|---|---|---|
| Gibson | Denton Parkins | Jake Mallard | May 19, 2025 |
| Hardeman | Benton Powell | Clint Plunk | April 16, 2025 |
| Henry | Paul Neal/Wilson Farms | Ranson Goodman | June 26, 2025 |
| Madison | Parker Bain | Hunter Goodman | April 22, 2025 |
| Obion | McDavid Farms | Garrett McDaniel | May 9, 2025 |

**Enlist (4.0-5.0)**

| County | Cooperator | Agent | Planting Date |
|---|---|---|---|
| Gibson | Denton Parkins | Jake Mallard | May 19, 2025 |
| Henry | Brannon Farms | Ranson Goodman | April 23, 2025 |
| Madison | Chris Street | Hunter Goodman | June 2, 2025 |
| Marshall | Hayden Wright | Jonathan Johns | June 24, 2025 |
| Maury | MTREC | Joe David Plunk/Mathenia | May 21, 2025 |
| Montgomery | David & Terry Adams | Logan Lewis/Cody Parker | June 2, 2025 |
| Obion | Hayden Wright | Garrett McDaniel | June 24, 2025 |

**Table 4. Characteristics of soybean varieties evaluated in Tennessee during 2025, as provided by the seed company.**

| Variety | Rel. Mat. | Herb. Tol.[†] | SCN[‡] | SDS[‡] | Frogeye[‡] | Seed Treatment |
|---|---|---|---|---|---|---|
| Asgrow AG36XF4 | 3.6 | XF | R3 | S | S | Accleron FI + Ilevo |
| Asgrow AG43XF5 | 4.3 | XF, STS | S | S | S | Accleron FI + Ilevo |
| Asgrow AG49XF4 | 4.9 | XF, STS | MR3 | S | S | Acceleron FI + Ilevo |
| Asgrow AG50XF5 | 5.0 | XF | R3 | S | S | Accleron FI + Ilevo |
| Donmario DM 47F44S | 4.7 | XF, STS | P188788 | S | S | Cruiser Max APX |
| Donmario DM 48F53 | 4.8 | XF | NONE | S | S | Cruiser Max APX |
| Dyna-Gro S38EN75* | 3.8 | E3 | R3, MR14 | MR | MR | Equity VAYO + Saltro |
| Dyna-Gro S43XF85S | 4.3 | XF, STS | MR3, MR14 | MR | R | Equity VAYO + Saltro |
| Dyna-Gro S47ES36 | 4.7 | E3, STS | MR3 | MR | R | Equity VAYO + Saltro |
| Dyna-Gro S48ES56 | 4.8 | E3, STS | MR3 | MR | MR | Equity VAYO + Saltro |
| Dyna-Gro S48XF35 | 4.8 | XF | MR3 | MR | MR | Equity VAYO + Saltro |
| Fortus 4665ES | 4.6 | E3 | P188.788 | S | S | |
| Great Heart GT-4538XFS | 4.5 | XF, STS | R3, R14 | 7 | NA | F&I |
| Great Heart GT-4655ES | 4.5 | E3 | R3, R14 | 6 | 8 | F&I |
| Great Heart GT-4791XFS | 4.7 | XF, STS | R3, R14 | 4 | 5 | F&I |
| Innvictis A4411XF | 4.4 | XF | 3 | R | R | Revize PBI |
| Innvictis A4534XF | 4.5 | XF | | | | ReVize PBI |
| Innvictis A4564XF | 4.5 | XF | 3 | MR | R | Revize PBI |
| Innvictis A4642XF | 4.6 | XF | R | AVE | AVE | Revize PBI |
| Innvictis A4755XF | 4.7 | XF | | | | ReVize PBI |
| Innvictis A4862XF | 4.8 | XF | 3 | R | R | Revize PBI |
| Innvictis A4924XF | 4.9 | XF | 3 | R | MR | Revize PBI |
| Innvictis B4553E | 4.5 | E3 | | | | ReVize PBI |
| Innvictis B4744E | 4.7 | E3 | | | | ReVize PBI |
| Integra XF4875S | 4.8 | XF | P188.788 | S | S | |
| Pioneer P43Z44SE* | 4.3 | E3 | R | R | S | EvergolEnergy + Lumisena .012 + |
| Pioneer P44Z67BE | 4.4 | E3 | R | R | R | EvergolEnergy + Lumisena .012 + |
| Pioneer P45Z75E* | 4.5 | E3 | R | R | R | EvergolEnergy + Lumisena .012 + |
| Pioneer P47Z15BE | 4.7 | E3 | R | R | S | EvergolEnergy + Lumisena .012 + |
| Pioneer P49Z02E | 4.9 | E3 | R | R | S | EvergolEnergy + Lumisena .012 + |
| Pioneer P50Z95E* | 5.0 | E3 | R | R | S | EvergolEnergy + Lumisena .012 + |
| Progeny 4604XFS | 4.6 | XF, STS | R | MR | MR | ProServo / S |
| Progeny 4623XF | 4.6 | XF | R | MR / MS | MS | ProServo / S |
| Progeny 4724XFS | 4.7 | XF, STS | R | MR / MS | MR | ProServo / S |
| Progeny 4734XFS | 4.7 | XF, STS | R | MR / MS | MR | ProServo / S |
| Progeny 4824XF | 4.8 | XF, STS | R | | MR | ProServo / S |
| Progeny 4842XFS | 4.8 | XF, STS | R | MR / MS | MR / MS | ProServo / S |
| Progeny 4848XF | 4.8 | XF | R | MR / MS | MR /MS | ProServo / S |
| Progeny 4947XFS | 4.9 | XF, STS | R | MR / MS | MR /MS | ProServo / S |
| Progeny 4999E3S | 4.9 | E3S | - | MR | MR | ProServo / S |
| Progeny 5056XFS | 5.0 | XF, STS | R | MR / MS | MR / MS | ProServo / S |
| Revere 42-E22 | 4.2 | E3, STS | R3, MR14 | MR | MR | Radius Premium |
| Revere 45-F29 | 4.5 | XF, STS | R3, MR14 | MR / MS | MR | Radius Premium |
| Revere 47-E74 | 4.7 | E3 | R3, MR14 | MR / MS | MR / MS | Radius Premium |
| Revere 47-F77 | 4.7 | XF, STS | MR3, MR14 | MR/MS | S | Radius Premium |
| Revere 49-F36* | 4.9 | XF, STS | R3 MR14 | S | MR | Radius Premium |
| Revere CT3933ES | 3.9 | E3, STS | R3, MR14 | MR | MR | Radius Premium |
| Revere CT4413E3S | 4.4 | E3, STS | R3, MR14 | MR | MR | Radius Premium |
| Revere CT4925E3S | 4.9 | E3, STS | R3, MR14 | MR | MR | Radius Premium |
| USG 7435ET | 4.3 | E3 | R3,MR14 | MR | R | Lumisena, thiamethoxan |
| USG 7435XFS | 4.3 | XF, STS | MR3,MR14 | MR | MR | Lumisena, thiamethoxan |
| USG 7461XFS | 4.6 | XF, STS | R3,MR14 | MR | S | Lumisena, thiamethoxan |
| USG 7463XF | 4.6 | XF | S | MR | MR | Lumisena, thiamethoxan |
| USG 7466ETS | 4.6 | E3, STS | R3,MR14 | MR | MR | Lumisena, thiamethoxan |
| USG 7476XF | 4.7 | XF | R3,MR14 | MR | MR | Lumisena, thiamethoxan |
| USG 7486ETS | 4.8 | E3, STS | MR3,MR14 | MR | MR | Lumisena, thiamethoxan |
| USG 7487XFS | 4.8 | XF, STS | R3, MR14 | MR | MR | Lumisena, thiamethoxan |
| USG 7494ETS | 4.9 | E3, STS | R3,MR14 | MR | MR | Lumisena, thiamethoxan |
| USG 7495XFS | 4.9 | XF, STS | MR3,MR14 | MR | MR | Lumisena, thiamethoxan |
| USG 7543XF | 5.4 | XF | S | MR | MR | Lumisena, thiamethoxan |
| Xitavo XO 3555E | 3.5 | E3 | P188788 | R | R | ObviusPlus + PonchoVotivo + ILevo |

**Table 4. Characteristics of soybean varieties evaluated in Tennessee during 2025, as provided by the seed company.**

| Variety | Rel. Mat. | Herb. Tol.† | SCN‡ | SDS‡ | Frogeye‡ | Seed Treatment |
|---|---|---|---|---|---|---|
| Xitavo XO 3655E | 3.6 | E3 | P188788 | R | R | ObviusPlus + PonchoVotivo + ILevo |
| Xitavo XO 3855E* | 3.8 | E3 | P188788 | R | R | ObviusPlus + PonchoVotivo + ILevo |
| Xitavo XO 3956E | 3.9 | E3 | P188788 | R | R | ObviusPlus + PonchoVotivo + ILevo |
| Xitavo XO 4056E | 4.0 | E3 | P188788 | R | R | ObviusPlus + PonchoVotivo + ILevo |
| Xitavo XO 4255E | 4.2 | E3 | P188788 | R | R | ObviusPlus + PonchoVotivo + ILevo |
| Xitavo XO 4364E | 4.3 | E3 | P188788 | R | R | ObviusPlus + PonchoVotivo + ILevo |
| Xitavo XO 4405E | 4.4 | E3 | P188788 | R | R | ObviusPlus + PonchoVotivo + ILevo |
| Xitavo XO 4566E | 4.5 | E3 | P188788 | R | R | ObviusPlus + PonchoVotivo + ILevo |
| Xitavo XO 4653E | 4.6 | E3 | P188788 | R | R | ObviusPlus + PonchoVotivo + ILevo |
| Xitavo XO 4736E | 4.7 | E3 | P188788 | R | R | ObviusPlus + PonchoVotivo + ILevo |
| Xitavo XO 4894E | 4.8 | E3 | P188788 | R | R | ObviusPlus + PonchoVotivo + ILevo |

† For a full description of abbreviated biotech traits, see table 5.
‡ R = resistant, MR = moderately resistant, MS = moderately susceptible, S = susceptible, VS = very susceptible.
* Asterisks after a name indicate the number of preceding consecutive years in the top-performing "A" group.

**Table 5. Abbreviations used to identify biotech traits of soybean varieties evaluated in Tennessee during 2025.**

| Abbreviation | Name | Characteristic |
|---|---|---|
| Conv. | Conventional | No transgenic modification |
| E3 | Corteva Enlist E3 | 2,4-D choline, Glyphosate, and Glufosinate tolerance |
| STS | Sulfonylurea tolerant soybean | Sulfonylurea tolerance |
| XF | Bayer XtendFlex | Dicamba, glyphosate, and glufosinate tolerance |

**Table 6. Contact information for soybean seed companies evaluated in yield tests in Tennessee during 2025.**

| Brand (Company) | Contact | Phone | Email | Web site |
|---|---|---|---|---|
| Asgrow (Bayer Company) | James Griffin | 731-413-9825 | james.griffin1@bayer.com | www.bayer.com |
| Don Mario (GDM Seeds) | Caleb Smith | 217-722-0079 | csmith@gdmseeds.com | |
| Dyna-Gro (Nutrien Ag Solutions) | Brock Sargeant | 270-881-3003 | brock.sargeant@nutrien.com | www.dynagroseed.com |
| Great Heart Seed | David Lucas | 217-737-6745 | dave.lucas772@gmail.com | www.greatheartseed.com |
| Innvictis Seed Solutions | Chris Main | 986-256-2211 | chris.main@simplot.com | www.innvictis.com |
| Integra & Fortus (CNI) | Nick Chammoun | 229-854-0524 | nchammoun@cniag.com | |
| Pioneer (Corteva Agriscience) | Suzannah Wiggins | 731-443-0512 | suzannah.wiggins@corteva.com | www.pioneer.com |
| Progeny Ag (Erwin-Keith, Inc) | Brian Murray | 870-208-4428 | bmurray@progenyag.com | www.progenyag.com |
| Revere Seed | Charlie Robinette | 601-597-3893 | crobinett@gdmseeds.com | www.revereseed.com |
| USG (UniSouth Genetics, Inc.) | Stacy Burwick | 800-505-3133 | sburwick@usgseed.com | www.usgseed.com |
| Xitavo (distributed by BASF) | Phil Brunner | 463-701-5500 | phil.brunner@basf.com | xitavosoybeanseed.com |

**Table 7. Average yields of varieties that were in the "A group" (not statistically different from the highest performing variety) in AgResearch and Education Center (REC) trials, County Standard Tests (CST), or both trial programs in 2025. Varieties are sorted by number of consecutive years in "A group" then percent of locs with above average yield.**

MG 3 (3.0 - 3.9)

| | REC | | | CST | | |
|---|---|---|---|---|---|---|
| Variety | REC Yield[§] | Consecutive Years in A Group[‡] | Locs. with above avg. yield | CST Yield[§] | Consecutive Years in A Group[‡] | Locs. with above avg. yield |
| Xitavo XO 3855E* | 62 | 2 | 88% | | | |
| Dyna-Gro S38EN75* | 62 | 2 | 75% | | | |
| Revere CT3933ES | 61 | 1 | 50% | | | |
| Xitavo XO 3956E | 60 | 1 | 50% | | | |

MG 4 Early (4.0 - 4.4) E3

| | REC | | | CST | | |
|---|---|---|---|---|---|---|
| Variety | REC Yield[§] | Consecutive Years in A Group[‡] | Locs. with above avg. yield | CST Yield[§] | Consecutive Years in A Group[‡] | Locs. with above avg. yield |
| Pioneer P50Z95E* | 68 | 2 | 88% | 63 | 2 | 100% |
| Pioneer P45Z75E* | 65 | 2 | 63% | 62 | 1 | 86% |
| Pioneer P43Z44SE* | 65 | 2 | 63% | 61 | 1 | 86% |
| Pioneer P49Z02E | | | | 59 | 2 | 86% |
| Pioneer P44Z67BE | 67 | 1 | 75% | 58 | 1 | 57% |
| USG 7435ET | 66 | 1 | 63% | 58 | 1 | 57% |
| Pioneer P47Z15BE | | | | 60 | 2 | 57% |
| Dyna-Gro S45EN25 | | | | 58 | 2 | 57% |
| Merschman Memphis 2346E | | | | 57 | 2 | 57% |
| Revere 42-E22 | 65 | 1 | 88% | | | |
| Xitavo XO 4056E | 67 | 1 | 63% | | | |

MG 4 Early (4.0 - 4.4) XF

| | REC | | | CST | | |
|---|---|---|---|---|---|---|
| Variety | REC Yield[§] | Consecutive Years in A Group[‡] | Locs. with above avg. yield | CST Yield[§] | Consecutive Years in A Group[‡] | Locs. with above avg. yield |
| Asgrow AG43XF5 | 66 | 1 | 88% | 57 | 1 | 80% |
| Asgrow 44XF4 | | | | 58 | 2 | 60% |
| Dyna-Gro S43XF85S | 61 | 0 | 25% | 55 | 2 | 60% |
| Beck's 4337XF | | | | 53 | 2 | 40% |
| Innvictis A4534XF | 64 | 1 | 88% | | | |
| Revere 45-F29 | 67 | 1 | 63% | | | |
| Gateway 457XFS | | | | 54 | 1 | 40% |
| Asgrow 39XF3 | | | | 53 | 1 | 40% |
| DynaGro S41XF65 | | | | 53 | 1 | 40% |
| USG 7435XFS | 61 | 0 | 38% | 52 | 1 | 40% |

**Table 7. Average yields of varieties that were in the "A group" (not statistically different from the highest performing variety) in AgResearch and Education Center (REC) trials, County Standard Tests (CST), or both trial programs in 2025. Varieties are sorted by number of consecutive years in "A group" then percent of locs with above average yield.**
cont.

MG 4 Late (4.5 - 4.9) E3

| | REC | | | CST | | |
|---|---|---|---|---|---|---|
| Variety | REC Yield§ | Consecutive Years in A Group‡ | Locs. with above avg. yield | CST Yield§ | Consecutive Years in A Group‡ | Locs. with above avg. yield |
| Pioneer P50Z95E* | 68 | 2 | 63% | | | |

MG 4 Late / 5 Early (4.5 - 5.4) XF

| | REC | | | CST | | |
|---|---|---|---|---|---|---|
| Variety | REC Yield§ | Consecutive Years in A Group‡ | Locs. with above avg. yield | CST Yield§ | Consecutive Years in A Group‡ | Locs. with above avg. yield |
| DynaGro S49XF43S | | | | 65 | 3 | 80% |
| USG 7543XF | 58 | 0 | 38% | 61 | 3 | 60% |
| Revere 49-F36* | 60 | 2 | 88% | | | |
| USG 7476XF | 63 | 1 | 63% | 67 | 1 | 100% |
| Beck's 4999XF | | | | 66 | 2 | 60% |
| Dyna-Gro S48XF35 | 62 | 1 | 75% | 63 | 1 | 40% |
| USG 7495XFS | 58 | 0 | 63% | 60 | 2 | 20% |
| Gateway 487XFS | | | | 67 | 1 | 100% |
| AgriGold 4910XF | | | | 65 | 1 | 80% |
| Progeny 4824XF | 60 | 1 | 75% | | | |
| Innvictis A4862XF | 60 | 1 | 63% | | | |
| Innvictis A4755XF | 59 | 1 | 63% | | | |
| Asgrow AG49XF4 | 58 | 0 | 25% | 62 | 1 | 60% |

§ All yields are adjusted to 13% moisture.

**Table 8. Mean† yield and agronomic traits of seven Maturity Group III (3.0 - 3.9) soybean varieties evaluated in small plot replicated trials at eight AgResearch and Education Center sites in Tennessee during 2025.**

| Variety† | Herbicide Pkg‡ | Avg. Yield§ (bu/ac) | Moisture at Harvest (%) | Maturity (DAP) | Plant Height (in.) | Protein‖ (%) | Oil‖ (%) | Lodging¶ (1-5) | Shattering¶ (1-5) | Leaf Holding¶ (1-5) |
|---|---|---|---|---|---|---|---|---|---|---|
| Xitavo XO 3855E* | E3 | 62 A | 11.7 A | 127 A | 29 C | 41.9 A | 25.5 C | 1.0 | 1.0 | 1.2 |
| Dyna-Gro S38EN75* | E3 | 62 A | 11.6 A | 127 A | 32 B | 38.5 CD | 27.2 B | 1.1 | 1.0 | 1.2 |
| Revere CT3933ES | E3, STS | 61 AB | 11.7 A | 128 A | 34 A | 39.1 C | 27.2 B | 1.2 | 1.0 | 1.2 |
| Xitavo XO 3956E | E3 | 60 A-C | 11.5 A | 125 B | 33 B | 38.0 D | 28.2 A | 1.1 | 1.0 | 1.1 |
| Xitavo XO 3555E | E3 | 56 B-D | 10.8 B | 125 B | 28 D | 39.3 C | 27.9 A | 1.0 | 1.0 | 1.2 |
| Asgrow AG36XF4 | XF | 55 CD | 11.6 A | 125 B | 32 B | 41.9 A | 25.6 C | 1.1 | 1.1 | 1.3 |
| Xitavo XO 3655E | E3 | 53 D | 11.4 A | 124 B | 30 C | 40.5 B | 27.2 B | 1.1 | 1.0 | 1.1 |
| **Trial Average** | | **58** | **11.5** | **126** | **31** | **39.9** | **27.0** | **1.1** | **1.0** | **1.2** |
| **Trial Standard Error** | | **7** | **0.6** | **3** | **2** | **0.4** | **0.2** | **0.1** | **0.0** | **0.1** |
| **Trial L.S.D.$_{.05}$** | | **5** | **0.6** | **2** | **1** | **1.1** | **0.4** | **-** | **-** | **-** |
| **Trial C.V.** | | **13** | **7.4** | **2** | **8** | **1.6** | **0.9** | **-** | **-** | **-** |
| **Number of locs.** | | **6** | **8.0** | **8** | **6** | **1.0** | **1.0** | **8** | **6** | **6** |

† Varieties that have any MS letter in common are not significantly different at the 5% level of probability.
* Asterisks after a variety name indicate the number of preceding consecutive years in the top-performing "A" group.
‡ For a full description of abbreviated biotech traits, see table 5.
§ All yields are adjusted to 13% moisture.
‖ Protein and Oil on a dry weight basis.
¶ Rated on a scale of 1 (none) to 5 (complete). No C.V. is calculated for traits rated on an ordinal scale.
Values highlighted in orange are above average, values highlighted in dark orange are in the upper 25%. MS letters highlighted in dark orange are in the "A group", indicating no statistical difference from the top-performing variety, for a given trait.
Yield data from Springfield Non-Irr and Spring HIll were excluded from the average due to very low yields. Data from these trials can be found in the appendix.

**Table 9. Mean† yields across and by location of seven Maturity Group III (3.0 - 3.9) soybean varieties evaluated in small plot replicated trials at eight AgResearch and Education Center sites in Tennessee during 2025.**

| Variety† | Herbicide Pkg.‡ | Above Loc Avg. | Avg. Yield§ (bu/acre) | Knoxville Irr. (bu/acre) | Greeneville Non-Irr. (bu/acre) | Springfield Irr. (bu/acre) | Milan Irr. (bu/acre) | Milan Non-Irr. (bu/acre) | Jackson Non-Irr. (bu/acre) |
|---|---|---|---|---|---|---|---|---|---|
| Xitavo XO 3855E* | E3 | 88% | 62 A | 81 A | 80 A | 42 A | 66 A | 43 A | 63 A |
| Dyna-Gro S38EN75* | E3 | 75% | 62 A | 73 A | 88 A | 45 A | 61 A | 41 AB | 63 A |
| Revere CT3933ES | E3, STS | 50% | 61 AB | 88 A | 87 A | 41 A | 59 A | 34 BC | 55 A |
| Xitavo XO 3956E | E3 | 50% | 60 A-C | 82 A | 78 A | 39 A | 63 A | 44 A | 50 A |
| Xitavo XO 3555E | E3 | 50% | 56 B-D | 66 A | 73 A | 42 A | 54 A | 46 A | 57 A |
| Asgrow AG36XF4 | XF | 13% | 55 CD | 70 A | 80 A | 38 A | 56 A | 34 BC | 50 A |
| Xitavo XO 3655E | E3 | 0% | 53 D | 66 A | 72 A | 41 A | 53 A | 33 C | 52 A |
| Average | | | 58 | 75 | 80 | 41 | 59 | 40 | 56 |
| Standard Error | | | 7 | 6 | 8 | 3 | 4 | 3 | 6 |
| L.S.D.$_{.05}$ | | | 5 | N.S. | N.S. | N.S. | N.S. | 8 | N.S. |
| C.V. | | | 13 | 14 | 8 | 10 | 11 | 11 | 15 |

† Varieties that have any MS letter in common are not significantly different at the 5% level of probability.
* Asterisks after a variety name indicate the number of preceding consecutive years in the top-performing "A" group.
‡ For a full description of abbreviated biotech traits, see table 5.
§ All yields are adjusted to 13% moisture.
Values highlighted in orange are above average, values highlighted in dark orange are in the upper 25%. MS letters highlighted in dark orange are in the "A group", indicating no statistical difference from the top-performing variety, for given trait.
Yield data from Springfield Non-Irr and Spring HIII were excluded from the average due to very low yields. Data from

**Table 10. Mean† yield and agronomic traits of 13 Maturity Group IV Early (4.0 - 4.5) E3 soybean varieties evaluated in small plot replicated trials at eight AgResearch and Education Center sites in Tennessee during 2025.**

| Variety† | Herbicide Pkg‡ | Avg. Yield§ (bu/ac) | Moisture at Harvest (%) | Maturity (DAP) | Plant Height (in.) | Protein‖ (%) | Oil‖ (%) | Lodging¶ (1-5) | Leaf Holding¶ (1-5) |
|---|---|---|---|---|---|---|---|---|---|
| Pioneer P44Z67BE | E3 | 67 A | 11.3 D-F | 131 EF | 38 A | 38.5 E-G | 25.7 D | 1.4 | 1.3 |
| Xitavo XO 4056E | E3 | 67 AB | 11.0 F | 128 G | 30 F | 40.4 AB | 26.6 C | 1.0 | 1.1 |
| USG 7435ET | E3 | 66 A-C | 12.1 AB | 133 B-D | 36 B | 38.7 D-F | 27.0 BC | 1.1 | 1.2 |
| Revere 42-E22 | E3, STS | 65 A-D | 12.0 A-C | 133 B-D | 35 BC | 38.9 C-E | 26.9 BC | 1.1 | 1.3 |
| Pioneer P43Z44SE* | E3 | 65 A-D | 11.6 CD | 131 EF | 33 DE | 38.5 E-G | 25.5 D | 1.1 | 1.3 |
| Pioneer P45Z75E* | E3 | 65 A-E | 11.3 D-F | 134 BC | 38 A | 39.2 C-E | 25.9 D | 1.4 | 1.3 |
| Xitavo XO 4255E | E3 | 63 B-F | 11.1 EF | 132 EF | 34 DE | 39.7 BC | 25.5 D | 1.4 | 1.2 |
| Innvictis B4553E | E3 | 63 B-F | 11.7 B-D | 132 C-E | 34 B-D | 40.4 AB | 25.5 D | 1.2 | 1.3 |
| Revere CT4413E3S | E3, STS | 63 C-F | 11.5 DE | 134 AB | 33 E | 41.2 A | 24.8 E | 1.5 | 1.5 |
| Xitavo XO 4405E | E3 | 62 C-F | 11.3 D-F | 135 A | 34 C-E | 37.9 F-H | 27.5 A | 1.3 | 1.3 |
| Great Heart GT-4655ES | E3 | 62 D-F | 12.3 A | 134 AB | 38 A | 39.5 B-D | 25.6 D | 1.5 | 1.6 |
| Xitavo XO 4566E | E3 | 61 EF | 11.3 D-F | 132 D-F | 36 B | 37.7 GH | 27.5 A | 1.1 | 1.2 |
| Xitavo XO 4364E | E3 | 61 F | 11.5 C-E | 131 F | 34 B-D | 37.6 H | 27.1 B | 1.4 | 1.3 |
| **Trial Average** | | **64** | **12** | **132** | **35** | **39** | **26** | **1.3** | **1.3** |
| **Trial Standard Error** | | **8** | **1** | **2** | **3** | **0** | **0** | **0.2** | **0.1** |
| **Trial L.S.D.$_{.05}$** | | **4** | **0** | **1** | **1** | **1** | **0** | **-** | **-** |
| **Trial C.V.** | | **9** | **6** | **2** | **7** | **1** | **1** | **-** | **-** |
| **Number of locs.** | | **6** | **8** | **8** | **6** | **1** | **1** | **8** | **6** |

† Varieties that have any MS letter in common are not significantly different at the 5% level of probability.
* Asterisks after a variety name indicate the number of preceding consecutive years in the top-performing "A" group.
‡ For a full description of abbreviated biotech traits, see table 5.
§ All yields are adjusted to 13% moisture.
‖ Protein and Oil on a dry weight basis.
¶ Rated on a scale of 1 (none) to 5 (complete). No C.V. is calculated for traits rated on an ordinal scale.
Values highlighted in orange are above average, values highlighted in dark orange are in the upper 25%. MS letters highlighted in dark orange are in the "A group", indicating no statistical difference from the top-performing variety, for a given trait.
Yield data from Springfield Non-Irr and Spring Hill were excluded from the average due to very low yields. Data from these trials can be found in the appendix.

**Table 11. Mean† yields across and by location of 13 Maturity Group IV Early (4.0 - 4.5) E3 soybean varieties evaluated in small plot replicated trials at eight AgResearch and Education Center sites in Tennessee during 2025.**

| Variety† | Herbicide Pkg.‡ | Above Loc Avg. | Avg. Yield§ (bu/acre) | Knoxville Irr. (bu/acre) | Greeneville Non-Irr. (bu/acre) | Springfield Irr. (bu/acre) | Milan Irr. (bu/acre) | Milan Non-Irr. (bu/acre) | Jackson Non-Irr. (bu/acre) |
|---|---|---|---|---|---|---|---|---|---|
| Pioneer P44Z67BE | E3 | 75% | 67 A | 88 A | 88 A | 47 A | 77 A | 46 A | 57 A |
| Xitavo XO 4056E | E3 | 63% | 67 AB | 81 A | 92 A | 42 A | 76 A | 52 A | 57 A |
| USG 7435ET | E3 | 63% | 66 A-C | 77 A | 92 A | 48 A | 76 A | 47 A | 55 A |
| Revere 42-E22 | E3, STS | 88% | 65 A-D | 72 A | 90 A | 45 A | 75 A | 53 A | 57 A |
| Pioneer P43Z44SE* | E3 | 63% | 65 A-D | 81 A | 92 A | 40 A | 78 A | 49 A | 50 A |
| Pioneer P45Z75E* | E3 | 63% | 65 A-E | 74 A | 85 A | 47 A | 69 A | 57 A | 54 A |
| Xitavo XO 4255E | E3 | 38% | 63 B-F | 79 A | 92 A | 44 A | 69 A | 47 A | 49 A |
| Innvictis B4553E | E3 | 63% | 63 B-F | 74 A | 88 A | 44 A | 71 A | 48 A | 53 A |
| Revere CT4413E3S | E3, STS | 63% | 63 C-F | 80 A | 90 A | 36 A | 67 A | 49 A | 56 A |
| Xitavo XO 4405E | E3 | 38% | 62 C-F | 70 A | 87 A | 43 A | 74 A | 42 A | 56 A |
| Great Heart GT-4655ES | E3 | 13% | 62 D-F | 79 A | 88 A | 41 A | 69 A | 43 A | 50 A |
| Xitavo XO 4566E | E3 | 38% | 61 EF | 72 A | 83 A | 44 A | 74 A | 43 A | 48 A |
| Xitavo XO 4364E | E3 | 13% | 61 F | 74 A | 89 A | 39 A | 71 A | 43 A | 48 A |
| **Average** | | | 64 | 77 | 89 | 43 | 73 | 48 | 53 |
| **Standard Error** | | | 8 | 3 | 4 | 2 | 4 | 4 | 4 |
| **L.S.D.$_{.05}$** | | | 4 | N.S. | N.S. | N.S. | N.S. | N.S. | N.S. |
| **C.V.** | | | 9 | 8 | 7 | 10 | 8 | 13 | 9 |

† Varieties that have any MS letter in common are not significantly different at the 5% level of probability.
* Asterisks after a variety name indicate the number of preceding consecutive years in the top-performing "A" group.
‡ For a full description of abbreviated biotech traits, see table 5.
§ All yields are adjusted to 13% moisture.
Values highlighted in orange are above average, values highlighted in dark orange are in the upper 25%. MS letters highlighted in dark orange are in the "A group", indicating no statistical difference from the top-performing variety, for given trait.

**Table 12. Yields of 18 Maturity Group IV (4.0-4.9) Enlist soybean varieties in 7 County Standard Tests in Tennessee during 2025.**

| MS† Avg. Yield | Variety | Avg. Yield§ (bu/*acre*) | Avg. Moisture (%) | Gibson 5/19 | Henry 4/23 | Madison 6/2 | Marshall 6/24 | Maury 5/21 | Montgomery 6/2 | Obion 4/17 |
|---|---|---|---|---|---|---|---|---|---|---|
| A | Pioneer P50Z95E* | 62.8 | 12.5 | 52 | 76 | 55 | 60 | 35 | **75** | 85 |
| AB | Pioneer P45Z75E | 62.1 | 11.9 | **55** | 76 | 55 | **67** | 34 | 64 | 84 |
| ABC | Pioneer P43Z44SE | 61.0 | 13.0 | 48 | **78** | 52 | 67 | 35 | 68 | 74 |
| ABCD | Pioneer P47Z15BE* | 59.5 | 11.9 | 44 | 74 | 58 | 54 | 36 | 61 | **90** |
| ABCDE | Pioneer P49Z02E* | 59.3 | 12.0 | 45 | 73 | **59** | 59 | 35 | 67 | 76 |
| ABCDEF | USG 7435ET | 57.6 | 12.7 | 50 | 77 | 45 | 54 | 30 | 70 | 77 |
| ABCDEF | Pioneer P44Z67BE | 57.6 | 12.4 | 52 | 78 | 45 | 45 | 29 | 71 | 84 |
| ABCDEF | Dyna-Gro S45EN25* | 57.5 | 13.2 | 47 | 72 | 49 | 54 | 34 | 68 | 77 |
| ABCDEF( | Merschman Memphis 2346E* | 57.2 | 12.4 | 38 | 72 | 56 | 60 | 35 | 58 | 82 |
| BCDEFG | Beck's 4320 E3 | 56.8 | 12.4 | 46 | 68 | 52 | 53 | 27 | 68 | 83 |
| CDEFG | Merschman Nashville 2547E | 56.3 | 12.7 | 44 | 71 | 49 | 61 | 35 | 66 | 69 |
| CDEFG | Merschman Austin 2040E | 56.2 | 13.2 | 52 | 76 | 47 | 62 | 28 | 66 | 62 |
| DEFGH | Merschman Dallas 2348E | 54.3 | 12.7 | 35 | 67 | 55 | 52 | 34 | 56 | 82 |
| DEFGH | Dyna-Gro S41EN72 | 54.2 | 12.8 | 45 | 76 | 43 | 52 | 28 | 69 | 66 |
| EFGH | USG 7494ETS | 53.6 | 12.8 | 31 | 66 | 50 | 50 | 35 | 67 | 76 |
| FGH | Merschman Atlanta 2448E | 52.3 | 12.9 | 42 | 73 | 45 | 43 | 32 | 60 | 71 |
| GH | USG 7466ETS | 51.6 | 12.9 | 39 | 67 | 48 | 48 | **36** | 59 | 64 |
| H | Merschman Denver 2442E | 50.0 | 12.3 | 30 | 62 | 47 | 45 | 32 | 61 | 74 |
| | **Average** | **56.7** | **12.6** | **44** | **72** | **50** | **55** | **33** | **65** | **76** |

Data Provided by Ryan Blair, Ext. Specialist, Grain and Cotton Variety Testing, and Extension agents in counties shown above.
† Varieties that have any MS in common are not significantly different at the 5% level of probability. Values highlighted in light orange are above average for a given trait, MS letters highlighted in dark orange are in the "A group", indicating no statistical difference from the top-performing variety, for a given trait.
* Asterisks after a hybrid name indicate the number of preceding consecutive years in the top-performing "A" group.
§ All yields are adjusted to 13% moisture.
County Locations include: Cocke Gibson, Giles, Henry, Marshall, Maury & Warren.

**Table 13. Overall average yields, moistures, and test weights of 9 Maturity Group III and IV Early (3.0 - 4.4) Enlist soybean varieties evaluated in both the County Standard Tests and Research and Education Center Tests in Tennessee during 2025.**

| | | Avg. of REC and CST Tests | | | REC Tests | | | CST Tests | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Variety | Herbicide Pkg[†] | Avg. Yield[§] (bu/*acre*) | Avg. Moisture (%) | "A group" in both tests | Avg. Yield[§] (bu/*acre*) | Avg. Moisture (%) | "A group" | Avg. Yield[§] (bu/*acre*) | Avg. Moisture (%) | "A group" |
| Pioneer P50Z95E | E3 | 65.2 | 12.1 | * | 67.6 | 11.7 | * | 62.8 | 12.5 | * |
| Pioneer P45Z75E | E3 | 63.4 | 11.6 | * | 64.7 | 11.3 | * | 62.1 | 11.9 | * |
| Pioneer P43Z44SE | E3 | 62.9 | 12.3 | * | 64.8 | 11.6 | * | 61.0 | 13.0 | * |
| Pioneer P44Z67BE | E3 | 62.4 | 11.8 | * | 67.2 | 11.3 | * | 57.6 | 12.4 | * |
| USG 7435ET | E3 | 61.7 | 12.4 | * | 65.7 | 12.1 | * | 57.6 | 12.7 | * |
| Pioneer P47Z15BE | E3 | 60.4 | 11.7 | | 61.2 | 11.4 | | 59.5 | 11.9 | * |
| Pioneer P49Z02E | E3 | 59.6 | 12.0 | | 59.9 | 12.0 | | 59.3 | 12.0 | * |
| USG 7466ETS | E3, STS | 55.5 | 12.8 | | 59.3 | 12.7 | | 51.6 | 12.9 | |
| USG 7494ETS | E3, STS | 55.3 | 12.6 | | 56.9 | 12.5 | | 53.6 | 12.8 | |
| **Average** | | **60.7** | **12.1** | | **63.1** | **11.8** | | **58.3** | **12.4** | |

‡ For a full description of abbreviated biotech traits, see table 5.
§ All yields are adjusted to 13% moisture.

**Table 14. Yields of 17 Maturity Group 4 (4.0-4.9) & 1 MG 5 Enlist tolerant soybean varieties in 7 County Standard Tests and in small plot trials at 3 locations in Tennessee during 2025**

| Summary from County Tests | | | Summary from Small Plot Research | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | On-farm Location in Jackson (JAX) | | | | Research & Education Center at Milan (RECM) | | | | Research & Education Center at Milan (RECM | | | |
| | | Avg. Yield | Yield (bu/ac) | | Frogeye | Brown | Yield (bu/ac) | | Frogeye | Brown | Yield (bu/ac) | | Frogeye | Brown |
| MS | Variety | (bu/ac) | *Treated | Non-treated | leaf spot | spot | *Treated | Non-treated | leaf spot | spot | *Treated | Non-treated | leaf spot | spot |
| A | Pioneer P50Z95E | 62.8 | 48.5 | 47.5 | LOW | MOD | 43.1 | 40.0 | LOW | MOD | 61.8 | 61.7 | TRACE | MOD |
| AB | Pioneer P45Z75E | 62.1 | 50.6 | 50.6 | NONE | HIGH | 49.9 | 48.0 | NONE | LOW | 44.1 | 42.7 | NONE | MOD |
| ABC | Pioneer P43Z44SE | 61.0 | 47.9 | 41.1 | LOW | MOD | 46.1 | 42.1 | LOW | HIGH | 40.7 | 37.1 | LOW | MOD |
| ABCD | Pioneer P47Z15BE | 59.5 | 46.7 | 40.3 | NONE | MOD | 42.1 | 38.8 | NONE | HIGH | 59.3 | 56.4 | NONE | MOD |
| ABCDE | Pioneer P49Z02E | 59.3 | 45.5 | 38.3 | LOW | MOD | 45.6 | 41.1 | LOW | MOD | 59.2 | 56.7 | LOW | HIGH |
| ABCDEF | Pioneer P44Z67BE | 57.6 | 47.2 | 45.1 | NONE | MOD | 50.5 | 49.3 | NONE | HIGH | 46.7 | 43.8 | NONE | MOD |
| ABCDEF | USG 7435ET | 57.6 | 45.1 | 43.8 | NONE | MOD | 46.4 | 42.1 | NONE | HIGH | 45.0 | 42.3 | NONE | MOD |
| ABCDEF | Dyna-Gro S45EN25 | 57.5 | 45.3 | 44.6 | NONE | LOW | 48.1 | 43.9 | NONE | MOD | 49.2 | 48.2 | NONE | LOW |
| ABCDEFG | Merschman Memphis 2346E | 57.2 | 40.8 | 41.6 | MOD | MOD | 39.3 | 36.8 | MOD | MOD | 56.4 | 54.2 | LOW | MOD |
| BCDEFG | Beck's 4320 E3 | 56.8 | 38.8 | 37.4 | LOW | MOD | 45.5 | 44.1 | LOW | HIGH | 48.1 | 46.3 | TRACE | MOD |
| CDEFG | Merschman Nashville 2547E | 56.3 | 43.6 | 42.7 | MOD | MOD | 35.3 | 35.6 | LOW | MOD | 57.8 | 54.8 | MOD | HIGH |
| CDEFG | Merschman Austin 2040E | 56.2 | 45.1 | 43.9 | NONE | LOW | 46.3 | 43.3 | TRACE | MOD | 44.2 | 38.4 | NONE | LOW |
| DEFGH | Merschman Dallas 2348E | 54.3 | 43.0 | 40.0 | LOW | MOD | 38.1 | 38.1 | MOD | MOD | 54.6 | 51.4 | LOW | MOD |
| DEFGH | Dyna-Gro S41EN72 | 54.2 | 43.4 | 45.4 | NONE | MOD | 43.7 | 42.6 | TRACE | HIGH | 48.0 | 45.6 | NONE | MOD |
| EFGH | USG 7494ETS | 53.6 | 42.4 | 37.5 | MOD | MOD | 33.8 | 33.2 | HIGH | MOD | 56.6 | 55.1 | MOD | HIGH |
| FGH | Merschman Atlanta 2448E | 52.3 | 44.6 | 38.9 | NONE | MOD | 36.5 | 30.8 | NONE | MOD | 54.8 | 49.0 | NONE | HIGH |
| GH | USG 7466ETS | 51.6 | 41.6 | 39.3 | LOW | MOD | 32.3 | 28.4 | LOW | MOD | 57.6 | 54.5 | LOW | MOD |
| H | Merschman Denver 2442E | 50.0 | 42.3 | 39.7 | MOD | HIGH | 50.1 | 39.0 | HIGH | HIGH | 41.1 | 38.4 | MOD | HIGH |
| | **Average** | **56.7** | **44.6** | **42.1** | | | **42.9** | **39.8** | | | **51.4** | **48.7** | | |

Yield adjusted to 13.5% moisture
MS= Varieties that have any MS letter in common are not statistically different in yield (based on 95% confidence)

*Treated plots sprayed with Miravis Top @13.7 fl oz/a + 0.25% Induce @ R3 growth stage
JAX varieties planted May 23, 4E sprayed July 24 & 4L sprayed Aug 6, and harvested Oct. 14 & 15
RECM varieties planted May 15, 4E sprayed July 24 & 4L sprayed Aug 6, and harvested 4E Oct. 1 & 4L Nov. 5
WTREC vareities planted June 24, sprayed Aug,21 and harvested Nov. 4

NONE, TRACE, LOW, MOD, and HIGH is a relative ranking of disease severity at each location.
Disease ratings at JAX: Frogeye leaf spot ranged from 0 - 10%, averaged 3%; Brown spot from 8 - 19%, averaged 13%
Disease ratings at RECM: Frogeye leaf spot ranged from 0 - 14%, averaged 4%; Brown spot from 9 - 26%, averaged 18%
Disease ratings at WTREC: Frogeye leaf spot ranged from 0 - 7%, averaged 2%; Brown spot from 7 - 16%, averaged 13%

Disease ratings & yield data compiled by Dr. Heather Kelly and Wesley Crowder from replicated plots at 3 locations

**Table 15. Mean† yield and agronomic traits of eight Maturity Group IV Early (4.0 - 4.5) XF soybean varieties evaluated in small plot replicated trials at eight AgResearch and Education Center sites in Tennessee during 2025.**

| Variety† | Herbicide Pkg‡ | Avg. Yield§ (bu/ac) | Moisture at Harvest (%) | Maturity (DAP) | Plant Height (in.) | Protein‖ (%) | Oil‖ (%) | Lodging¶ (1-5) | Leaf Holding¶ (1-5) |
|---|---|---|---|---|---|---|---|---|---|
| Revere 45-F29 | XF, STS | 67 A | 11.0 C | 134 C | 39 B | 39.2 B-D | 25.4 D | 1.4 | 1.2 |
| Asgrow AG43XF5 | XF, STS | 66 A | 11.0 C | 135 AB | 35 E | 39.6 A-C | 25.2 D | 1.4 | 1.3 |
| Innvictis A4534XF | XF | 64 AB | 11.2 BC | 135 BC | 38 BC | 38.8 CD | 26.7 B | 1.6 | 1.3 |
| Great Heart GT-4538XFS | XF, STS | 62 BC | 11.0 C | 135 A-C | 40 AB | 39.9 AB | 25.0 D | 1.7 | 1.2 |
| Innvictis A4411XF | XF | 61 BC | 11.6 A | 134 C | 37 CD | 40.1 AB | 26.0 C | 1.6 | 1.4 |
| Dyna-Gro S43XF85S | XF, STS | 61 BC | 11.3 A-C | 135 BC | 37 DE | 38.8 CD | 27.2 AB | 1.5 | 1.2 |
| USG 7435XFS | XF, STS | 61 BC | 11.3 A-C | 134 BC | 36 DE | 38.3 D | 27.4 A | 1.5 | 1.1 |
| Innvictis A4564XF | XF | 59 C | 11.4 AB | 136 A | 41 A | 40.3 A | 25.4 CD | 2.2 | 1.4 |
| **Trial Average** | | **63** | **11** | **135** | **38** | **39** | **26** | **1.6** | **1.3** |
| **Trial Standard Error** | | **8** | **1** | **2** | **3** | **0** | **0** | **0.3** | **0.1** |
| **Trial L.S.D.$_{.05}$** | | **4** | **0** | **1** | **2** | **1** | **1** | **-** | **-** |
| **Trial C.V.** | | **8** | **5** | **1** | **7** | **1** | **1** | **-** | **-** |
| **Number of locs.** | | **6** | **8** | **8** | **6** | **1** | **1** | **8** | **6** |

† Varieties that have any MS letter in common are not significantly different at the 5% level of probability.
* Asterisks after a variety name indicate the number of preceding consecutive years in the top-performing "A" group.
‡ For a full description of abbreviated biotech traits, see table 5.
§ All yields are adjusted to 13% moisture.
‖ Protein and Oil on a dry weight basis.
¶ Rated on a scale of 1 (none) to 5 (complete). No C.V. is calculated for traits rated on an ordinal scale.
Values highlighted in orange are above average, values highlighted in dark orange are in the upper 25%. MS letters highlighted in dark orange are in the "A group", indicating no statistical difference from the top-performing variety, for a given trait.
Yield data from Springfield Non-Irr and Spring HIll were excluded from the average due to very low yields. Data from these trials can be found in the appendix.

**Table 16. Mean† yields across and by location of eight Maturity Group IV Early (4.0 - 4.5) XF soybean varieties evaluated in small plot replicated trials at eight AgResearch and Education Center sites in Tennessee during 2025.**

| Variety† | Herbicide Pkg.‡ | Above Loc Avg. | Avg. Yield§ (bu/acre) | Knoxville Irr. (bu/acre) | Greeneville Non-Irr. (bu/acre) | Springfield Irr. (bu/acre) | Milan Irr. (bu/acre) | Milan Non-Irr. (bu/acre) | Jackson Non-Irr. (bu/acre) |
|---|---|---|---|---|---|---|---|---|---|
| Revere 45-F29 | XF, STS | 63% | 67 A | 79 A | 102 A | 41 A | 77 A | 46 A | 58 A |
| Asgrow AG43XF5 | XF, STS | 88% | 66 A | 70 BC | 98 AB | 44 A | 76 A | 50 A | 58 A |
| Innvictis A4534XF | XF | 88% | 64 AB | 73 AB | 97 AB | 43 A | 71 AB | 43 A | 56 A |
| Great Heart GT-4538XFS | XF, STS | 38% | 62 BC | 64 B-D | 104 A | 40 A | 65 BC | 50 A | 51 A |
| Innvictis A4411XF | XF | 25% | 61 BC | 70 BC | 95 AB | 37 A | 66 BC | 43 A | 56 A |
| Dyna-Gro S43XF85S | XF, STS | 25% | 61 BC | 62 CD | 93 BC | 47 A | 70 AB | 45 A | 51 A |
| USG 7435XFS | XF, STS | 38% | 61 BC | 61 CD | 92 BC | 39 A | 68 BC | 48 A | 55 A |
| Innvictis A4564XF | XF | 50% | 59 C | 59 D | 86 C | 45 A | 63 C | 48 A | 55 A |
| **Average** | | | **63** | **67** | **96** | **42** | **69** | **47** | **55** |
| **Standard Error** | | | **8** | **3** | **3** | **3** | **2** | **4** | **3** |
| **L.S.D.$_{.05}$** | | | **4** | **9** | **9** | **N.S.** | **7** | **N.S.** | **N.S.** |
| **C.V.** | | | **8** | **8** | **5** | **11** | **6** | **7** | **5** |

† Varieties that have any MS letter in common are not significantly different at the 5% level of probability.
* Asterisks after a variety name indicate the number of preceding consecutive years in the top-performing "A" group.
‡ For a full description of abbreviated biotech traits, see table 5.
§ All yields are adjusted to 13% moisture.
Values highlighted in orange are above average, values highlighted in dark orange are in the upper 25%. MS letters highlighted in dark orange are in the "A group", indicating no statistical difference from the top-performing variety, for given trait.

**Table 17. Yields of 7 Maturity Group IV Early (4.0-4.5) and 1 MG III Xtend Flex soybean varieties in 6 County Standard Tests in Tennessee during 2025.**

| MS† Avg. Yield | Variety | Avg. Yield§ (bu/*acre*) | Avg. Moisture (%) | Decatur 17-Apr | Gibson 19-May | Haywood 15-May | Henry 23-Apr | Perry 23-May | Weakley 4-Jun |
|---|---|---|---|---|---|---|---|---|---|
| A | Asgrow 44XF4* | 57.7 | 11.5 | 56 | 45 | **36** | 80 | 59 | **69** |
| A | Asgrow 43XF5 | 57.0 | 12.3 | 57 | 48 | 27 | 76 | 66 | 68 |
| A | DynaGro S43XF85S* | 54.9 | 12.4 | 37 | **50** | 34 | **80** | 62 | 66 |
| A | Gateway 457XFS | 54.2 | 12.2 | 53 | 44 | 30 | 72 | 65 | 61 |
| A | Beck's 4337XF* | 53.3 | 12.7 | 47 | 41 | 31 | 75 | 71 | 55 |
| A | DynaGro S41XF65 | 52.6 | 12.2 | **58** | 42 | 22 | 70 | **68** | 56 |
| A | Asgrow 39XF3 | 52.6 | 12.4 | 58 | 45 | 23 | 78 | 56 | 55 |
| A | USG 7435XFS | 52.3 | 12.6 | 33 | 44 | 35 | 77 | 58 | 66 |
| | **Average** | **54.3** | **12.3** | **50** | **45** | **30** | **76** | **63** | **62** |

Data Provided by Ryan Blair, Ext. Specialist, Grain and Cotton Variety Testing, and Extension agents in counties shown above.
† Varieties that have any MS letter in common are not significantly different at the 5% level of probability. Values highlighted in light orange are above average for a given trait, MS letters highlighted in dark orange are in the "A group", indicating no statistical difference from the top-performing variety, for a given trait.
* Asterisks after a name indicate the number of preceding consecutive years in the top-performing "A" group.
§ All yields are adjusted to 13% moisture.
County Locations include: Decatur, Gibson, Haywood, Henry, Perry & Weakley

**Table 18. Overall average yields and moistures of 3 Maturity Group IV Early (4.0 - 4.5) XtendFlex soybean varieties evaluated in both the County Standard Tests and Research and Education Center Tests in Tennessee during 2025.**

| | | Avg. of REC and CST Tests | | | REC Tests | | | CST Tests | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Variety | Herbicide Pkg[†] | Avg. Yield[§] (bu/*acre*) | Avg. Moisture (%) | "A group" in both tests | Avg. Yield[§] (bu/*acre*) | Avg. Moisture (%) | "A group" | Avg. Yield[§] (bu/*acre*) | Avg. Moisture (%) | "A group" |
| Asgrow AG43XF5 | XF, STS | 61.6 | 11.7 | * | 66.1 | 11.0 | * | 57.0 | 12.3 | * |
| Dyna-Gro S43XF85S | XF, STS | 58.1 | 11.9 | | 61.4 | 11.3 | | 54.9 | 12.4 | * |
| USG 7435XFS | XF, STS | 56.5 | 12.0 | | 60.6 | 11.3 | | 52.3 | 12.6 | * |
| **Average** | | **58.7** | **11.8** | | **62.7** | **11.2** | | **54.7** | **12.5** | |

‡ For a full description of abbreviated biotech traits, see table 5.
§ All yields are adjusted to 13% moisture.

**Table 19. Yields and disease ratings of 7 Maturity Group 4 Early (4.0-4.5) and 1 MG 3 Glyphosate / Dicamba tolerant soybean varieties in 6 County Standard Tests and in small plot trials at 3 locations in Tennessee during 2025.**

| Summary from County Tests | | | Summary from Small Plot Research | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Avg. | On-farm Location in Jackson (JAX) | | | | Research & Education Center at Milan (RECM) | | | | West TN Research & Education Center (WTREC | | | |
| | | Yield | Yield (bu/ac) | | Frogeye | Brown | Yield (bu/ac) | | Frogeye | Brown | Yield (bu/ac) | | Frogeye | Brown |
| MS | Variety | (bu/ac) | *Treated | Non-treated | leaf spot | spot | *Treated | Non-treated | leaf spot | spot | *Treated | Non-treated | leaf spot | spot |
| A | Asgrow 44XF4 | 57.7 | 49.1 | 44.3 | LOW | MOD | 51.9 | 49.5 | NONE | HIGH | 52.6 | 49.3 | NONE | MOD |
| A | Asgrow 43XF5 | 57.0 | 47.5 | 46.5 | LOW | HIGH | 52.7 | 50.8 | NONE | HIGH | 51.9 | 47.3 | NONE | LOW |
| A | DynaGro S43XF85S | 54.9 | 47.1 | 45.0 | NONE | MOD | 49.4 | 43.8 | TRACE | HIGH | 48.8 | 44.0 | NONE | MOD |
| A | Gateway 457XFS | 54.2 | 42.2 | 45.1 | LOW | MOD | 45.3 | 45.3 | LOW | MOD | 44.4 | 40.7 | TRACE | MOD |
| A | Beck's 4337XF | 53.3 | 41.6 | 40.8 | LOW | MOD | 48.3 | 38.2 | HIGH | HIGH | 47.0 | 43.6 | LOW | MOD |
| A | Asgrow 39XF3 | 52.6 | 43.8 | 41.6 | MOD | HIGH | 48.7 | 43.4 | MOD | HIGH | 52.0 | 48.9 | MOD | HIGH |
| A | DynaGro S41XF65 | 52.6 | 41.3 | 38.9 | LOW | LOW | 45.3 | 41.9 | MOD | HIGH | 49.0 | 45.5 | LOW | MOD |
| A | USG 7435XFS | 52.3 | 47.7 | 39.5 | NONE | HIGH | 46.0 | 40.6 | NONE | HIGH | 44.3 | 41.7 | NONE | MOD |
| | **Average** | **54.3** | **45.0** | **42.7** | | | **48.5** | **44.2** | | | **48.8** | **45.1** | | |

Yield adjusted to 13.5% moisture
MS= Varieties that have any MS letter in common are not statistically different in yield (based on 95% confidence)

*Treated plots sprayed with Miravis Top @13.7 fl oz/a + 0.25% Induce @ R3 growth stage
JAX varieties planted May 23, sprayed July 24, and harvested Oct. 14
RECM varieties planted May 15, sprayed July 24, and harvested Oct. 1
WTREC vareities planted June 24, sprayed Aug. 21, and harvested Nov. 4

NONE, TRACE, LOW, MOD, and HIGH is a relative ranking of disease severity at each location.
Disease ratings at JAX: Frogeye leaf spot ranged from 0 - 6%, averaged 1.5%; Brown spot from 10 - 20%, averaged 14%
Disease ratings at RECM: Frogeye leaf spot ranged from 0 - 18%, averaged 5%; Brown spot from 14 - 30%, averaged 25%
Disease ratings at WTREC: Frogeye leaf spot ranged from 0 - 7%, averaged 2%; Brown spot from 8 - 15%, averaged 11%

Disease ratings & yield data compiled by Dr. Heather Kelly and Wesley Crowder from replicated plots at 3 locations

**Table 20. Mean† yield and agronomic traits of 16 Maturity Group IV Late (4.5 - 4.9) E3 soybean varieties evaluated in small plot replicated trials at eight AgResearch and Education Center sites in Tennessee during 2025.**

| Variety† | Herbicide Pkg‡ | Avg. Yield§ (bu/ac) | Moisture at Harvest (%) | Maturity (DAP) | Plant Height (in.) | Protein‖ (%) | Oil‖ (%) | Lodging¶ (1-5) | Shattering¶ (1-5) | Leaf Holding¶ (1-5) |
|---|---|---|---|---|---|---|---|---|---|---|
| Pioneer P50Z95E* | E3 | 68 A | 11.7 GH | 139 BC | 37 EF | 38.3 E | 26.0 CD | 1.1 | 1.0 | 1.2 |
| Revere 47-E74 | E3 | 62 B | 11.9 FG | 137 D-F | 37 F | 40.0 BC | 25.9 CD | 1.5 | 1.0 | 1.2 |
| Pioneer P47Z15BE | E3 | 61 BC | 11.4 H | 136 EF | 39 B-D | 39.5 CD | 25.2 E | 1.3 | 1.0 | 1.2 |
| Revere CT4925E3S | E3, STS | 61 BC | 12.1 D-F | 138 C-E | 37 F | 38.4 E | 27.6 A | 1.3 | 1.0 | 1.4 |
| Dyna-Gro S47ES36 | E3, STS | 61 BC | 12.8 AB | 137 C-E | 38 D-F | 39.5 CD | 25.9 CD | 1.4 | 1.0 | 1.4 |
| Dyna-Gro S48ES56 | E3, STS | 61 BC | 12.6 A-C | 137 C-F | 39 B-E | 38.5 E | 26.0 CD | 1.9 | 1.0 | 1.2 |
| Pioneer P49Z02E | E3 | 60 B-D | 12.0 E-G | 137 D-F | 37 F | 39.9 BC | 25.1 E | 1.3 | 1.0 | 1.3 |
| USG 7466ETS | E3, STS | 59 B-E | 12.7 A-C | 135 EF | 38 C-F | 38.4 E | 26.0 CD | 1.3 | 1.1 | 1.1 |
| Xitavo XO 4653E | E3 | 59 B-E | 12.8 AB | 135 F | 38 C-F | 38.7 DE | 26.1 CD | 1.4 | 1.0 | 1.2 |
| Progeny 4999E3S | E3S | 59 C-F | 12.6 A-C | 136 EF | 42 A | 41.6 A | 25.1 E | 1.5 | 1.0 | 1.2 |
| Innvictis B4744E | E3 | 58 D-G | 11.7 GH | 142 A | 39 BC | 39.5 CD | 27.0 AB | 1.7 | 1.0 | 1.2 |
| Xitavo XO 4736E | E3 | 57 D-G | 13.0 A | 139 CD | 41 A | 39.7 C | 25.7 DE | 2.1 | 1.0 | 1.4 |
| USG 7494ETS | E3, STS | 57 D-G | 12.5 B-D | 137 EF | 41 A | 41.2 A | 25.2 E | 1.5 | 1.0 | 1.3 |
| USG 7486ETS | E3, STS | 56 E-G | 12.0 E-G | 142 AB | 41 A | 40.7 AB | 25.7 DE | 1.8 | 1.0 | 1.4 |
| Fortus 4665ES | E3 | 56 FG | 12.6 A-C | 135 F | 35 G | 39.8 BC | 26.5 BC | 1.8 | 1.0 | 1.3 |
| Xitavo XO 4894E | E3 | 55 G | 12.3 C-E | 136 EF | 40 AB | 41.6 A | 25.1 E | 1.5 | 1.0 | 1.5 |
| **Trial Average** | | **59** | **12** | **137** | **39** | **40** | **26** | **1.5** | **1.0** | **1.3** |
| **Trial Standard Error** | | **9** | **0** | **2** | **3** | **0** | **0** | **0.3** | **0.0** | **0.1** |
| **Trial L.S.D.$_{.05}$** | | **3** | **0** | **2** | **2** | **1** | **1** | **-** | **-** | **-** |
| **Trial C.V.** | | **8** | **5** | **3** | **8** | **1** | **2** | **-** | **-** | **-** |
| **Number of locs.** | | **6** | **8** | **8** | **6** | **1** | **1** | **8** | **6** | **6** |

† Varieties that have any MS letter in common are not significantly different at the 5% level of probability.
* Asterisks after a variety name indicate the number of preceding consecutive years in the top-performing "A" group.
‡ For a full description of abbreviated biotech traits, see table 5.
§ All yields are adjusted to 13% moisture.
‖ Protein and Oil on a dry weight basis.
¶ Rated on a scale of 1 (none) to 5 (complete). No C.V. is calculated for traits rated on an ordinal scale.
Values highlighted in orange are above average, values highlighted in dark orange are in the upper 25%. MS letters highlighted in dark orange are in the "A group", indicating no statistical difference from the top-performing variety, for a given trait.
Yield data from Springfield Non-Irr and Spring HIll were excluded from the average due to very low yields. Data from these trials can be found in the appendix.

**Table 21. Mean† yields across and by location of 16 Maturity Group IV Late (4.6 - 4.9) E3 soybean varieties evaluated in small plot replicated trials at eight AgResearch and Education Center sites in Tennessee during 2025.**

| Variety† | Herbicide Pkg.‡ | Above Loc Avg. | Avg. Yield§ (bu/acre) | Knoxville Irr. (bu/acre) | Greeneville Non-Irr. (bu/acre) | Springfield Irr. (bu/acre) | Milan Irr. (bu/acre) | Milan Non-Irr. (bu/acre) | Jackson Non-Irr. (bu/acre) |
|---|---|---|---|---|---|---|---|---|---|
| Pioneer P50Z95E* | E3 | 88% | 68 A | 66 A | 111 A | 44 A | 76 A | 49 AB | 59 A |
| Revere 47-E74 | E3 | 75% | 62 B | 58 B-E | 102 B-D | 33 D-F | 75 A | 49 A | 54 A-C |
| Pioneer P47Z15BE | E3 | 88% | 61 BC | 62 AB | 99 B-D | 34 D-F | 66 A-E | 48 AB | 59 A |
| Revere CT4925E3S | E3, STS | 75% | 61 BC | 59 BC | 92 CD | 42 AB | 68 A-C | 47 A-C | 56 AB |
| Dyna-Gro S47ES36 | E3, STS | 63% | 61 BC | 61 AB | 102 A-C | 37 A-F | 69 AB | 44 A-D | 51 B-E |
| Dyna-Gro S48ES56 | E3, STS | 63% | 61 BC | 59 B-E | 103 AB | 38 A-E | 70 AB | 43 A-E | 51 B-D |
| Pioneer P49Z02E | E3 | 75% | 60 B-D | 55 C-F | 101 B-D | 40 A-D | 66 A-E | 44 A-D | 54 A-C |
| USG 7466ETS | E3, STS | 50% | 59 B-E | 59 B-D | 93 D | 41 A-C | 68 A-D | 43 B-E | 52 B-D |
| Xitavo XO 4653E | E3 | 50% | 59 B-E | 61 AB | 96 B-D | 34 C-F | 66 A-E | 44 A-D | 54 A-C |
| Progeny 4999E3S | E3S | 13% | 59 C-F | 58 B-E | 97 B-D | 36 B-F | 69 AB | 43 B-E | 50 B-E |
| Innvictis B4744E | E3 | 50% | 58 D-G | 61 AB | 99 B-D | 37 B-F | 58 C-E | 39 DE | 52 B-D |
| Xitavo XO 4736E | E3 | 38% | 57 D-G | 54 EF | 103 AB | 35 B-F | 62 B-E | 42 C-E | 49 C-E |
| USG 7494ETS | E3, STS | 25% | 57 D-G | 54 D-F | 101 B-D | 34 B-F | 63 B-E | 44 A-E | 45 E |
| USG 7486ETS | E3, STS | 38% | 56 E-G | 57 B-E | 96 B-D | 34 C-F | 57 E | 44 A-D | 51 B-E |
| Fortus 4665ES | E3 | 13% | 56 FG | 52 F | 93 D | 30 F | 64 B-E | 40 DE | 55 A-C |
| Xitavo XO 4894E | E3 | 25% | 55 G | 60 B | 93 D | 32 EF | 58 DE | 38 E | 48 DE |
| **Average** | | | **59** | **58** | **99** | **36** | **66** | **44** | **53** |
| **Standard Error** | | | **9** | **2** | **4** | **3** | **4** | **3** | **3** |
| **L.S.D.$_{.05}$** | | | **3** | **5** | **9** | **7** | **11** | **6** | **6** |
| **C.V.** | | | **8** | **5** | **5** | **12** | **10** | **8** | **6** |

† Varieties that have any MS letter in common are not significantly different at the 5% level of probability.
* Asterisks after a variety name indicate the number of preceding consecutive years in the top-performing "A" group.
‡ For a full description of abbreviated biotech traits, see table 5.
§ All yields are adjusted to 13% moisture.
Values highlighted in orange are above average, values highlighted in dark orange are in the upper 25%. MS letters highlighted in dark orange are in the "A group", indicating no statistical difference from the

**Table 22. Mean† yield and agronomic traits of 28 Maturity Group IV Late / V Early (4.6 - 5.4) XF soybean varieties evaluated in small plot replicated trials at eight AgResearch and Education Center sites in Tennessee during 2025.**

| Variety† | Herbicide Pkg‡ | Avg. Yield§ (bu/ac) | Moisture at Harvest (%) | Maturity (DAP) | Plant Height (in.) | Protein‖ (%) | Oil‖ (%) | Lodging¶ (1-5) | Shattering¶ (1-5) | Leaf Holding¶ (1-5) |
|---|---|---|---|---|---|---|---|---|---|---|
| USG 7476XF | XF | 63 A | 11.5 D-I | 139 F-L | 38 FG | 39.1 D-H | 26.1 C-E | 1.4 | 1.0 | 1.2 |
| Dyna-Gro S48XF35 | XF | 62 AB | 11.1 I-K | 140 E-K | 35 JK | 39.4 B-F | 26.1 C-E | 1.3 | 1.0 | 1.1 |
| Revere 49-F36* | XF, STS | 60 A-C | 11.8 B-F | 144 BC | 40 A-D | 40.2 A-C | 25.3 H-K | 1.6 | 1.0 | 1.2 |
| Innvictis A4862XF | XF | 60 A-D | 11.2 G-K | 140 D-I | 37 H-J | 38.7 E-K | 26.2 CD | 1.4 | 1.0 | 1.3 |
| Progeny 4824XF | XF, STS | 60 A-D | 11.6 C-H | 140 E-K | 40 A-D | 38.1 I-K | 24.8 K | 1.2 | 1.0 | 1.2 |
| Innvictis A4755XF | XF | 59 A-E | 10.9 K | 141 D-H | 35 JK | 38.6 E-K | 26.0 D-F | 1.2 | 1.0 | 1.3 |
| Revere 47-F77 | XF, STS | 58 B-F | 11.2 G-K | 138 J-N | 40 A-D | 38.6 F-K | 26.0 D-F | 1.7 | 1.0 | 1.3 |
| Progeny 4623XF | XF | 58 B-F | 11.2 H-K | 139 F-L | 36 I-K | 37.8 KL | 25.9 D-G | 1.5 | 1.0 | 1.3 |
| Progeny 4947XFS | XF, STS | 58 B-F | 11.6 C-H | 142 C-E | 39 B-F | 40.0 A-D | 25.2 I-K | 1.6 | 1.0 | 1.4 |
| USG 7495XFS | XF, STS | 58 B-F | 11.0 JK | 143 B-D | 40 A-D | 37.0 LM | 26.6 BC | 1.6 | 1.0 | 1.2 |
| Asgrow AG50XF5 | XF | 58 B-F | 11.6 C-H | 141 D-G | 38 E-G | 39.0 E-J | 25.0 JK | 1.3 | 1.0 | 1.1 |
| USG 7543XF | XF | 58 B-F | 12.3 A | 147 A | 40 A-E | 39.1 D-J | 25.4 H-J | 1.7 | 1.0 | 1.4 |
| Asgrow AG49XF4 | XF, STS | 58 B-F | 11.5 D-I | 140 E-J | 39 D-F | 39.5 B-F | 25.2 I-K | 1.4 | 1.0 | 1.1 |
| Innvictis A4924XF | XF | 57 C-F | 11.2 G-K | 138 I-N | 36 I-K | 39.1 D-I | 25.7 D-H | 1.1 | 1.0 | 1.1 |
| Integra XF4875S | XF | 57 C-F | 12.1 AB | 141 D-F | 40 A-D | 39.5 B-F | 25.9 D-G | 1.6 | 1.0 | 1.4 |
| Donmario DM 47F44S | XF, STS | 57 C-F | 11.6 C-G | 138 G-M | 40 A-D | 39.4 C-G | 25.6 F-I | 1.3 | 1.0 | 1.2 |
| Innvictis A4642XF | XF | 56 C-F | 11.9 B-E | 136 N | 41 A | 40.2 A-C | 25.0 JK | 1.4 | 1.0 | 1.2 |
| Progeny 4842XFS | XF, STS | 56 C-F | 11.2 H-K | 138 H-N | 41 A | 39.0 D-J | 26.0 D-F | 1.7 | 1.0 | 1.3 |
| USG 7487XFS | XF, STS | 56 D-F | 11.1 I-K | 141 D-F | 36 H-K | 38.6 E-K | 25.9 D-F | 1.2 | 1.1 | 1.1 |
| Progeny 4604XFS | XF, STS | 56 EF | 11.5 E-I | 140 E-K | 41 A-C | 38.4 G-K | 25.7 D-H | 1.4 | 1.0 | 1.2 |
| Great Heart GT-4791XFS | XF, STS | 56 EF | 11.9 A-E | 142 C-E | 40 A-D | 40.3 AB | 25.4 G-J | 1.6 | 1.0 | 1.4 |
| Progeny 4734XFS | XF, STS | 56 EF | 11.3 G-K | 136 MN | 37 G-I | 38.1 JK | 26.7 B | 1.6 | 1.0 | 1.2 |
| Donmario DM 48F53 | XF | 56 E-G | 11.2 G-K | 137 L-N | 31 L | 36.3 M | 27.3 A | 1.2 | 1.0 | 1.2 |
| Progeny 5056XFS | XF, STS | 56 E-G | 12.0 A-C | 145 AB | 39 C-F | 39.4 B-G | 26.1 D-F | 1.7 | 1.1 | 1.1 |
| Progeny 4724XFS | XF, STS | 55 E-G | 12.0 A-D | 138 J-N | 41 AB | 40.6 A | 25.1 I-K | 2.1 | 1.0 | 1.1 |
| USG 7461XFS | XF, STS | 55 FG | 11.4 F-J | 139 F-L | 41 A-C | 38.3 H-K | 25.7 E-H | 1.4 | 1.0 | 1.1 |
| USG 7463XF | XF | 55 FG | 11.6 C-H | 136 N | 37 GH | 39.6 B-E | 25.0 JK | 1.1 | 1.0 | 1.1 |
| Progeny 4848XF | XF | 52 G | 11.2 G-K | 137 K-N | 35 K | 39.6 B-F | 24.8 K | 1.2 | 1.0 | 1.2 |
| **Trial Average** | | **57** | **11** | **140** | **38** | **39** | **26** | **1.4** | **1.0** | **1.2** |
| **Trial Standard Error** | | **9** | **0** | **2** | **3** | **0** | **0** | **0.2** | **0.0** | **0.1** |
| **Trial L.S.D.$_{.05}$** | | **4** | **0** | **3** | **1** | **1** | **0** | **-** | **-** | **-** |
| **Trial C.V.** | | **11** | **6** | **3** | **6** | **2** | **1** | **-** | **-** | **-** |
| **Number of locs.** | | **6** | **8** | **8** | **6** | **1** | **1** | **8** | **6** | **6** |

† Varieties that have any MS letter in common are not significantly different at the 5% level of probability.
* Asterisks after a variety name indicate the number of preceding consecutive years in the top-performing "A" group.
‡ For a full description of abbreviated biotech traits, see table 5.
§ All yields are adjusted to 13% moisture.
‖ Protein and Oil on a dry weight basis.
¶ Rated on a scale of 1 (none) to 5 (complete). No C.V. is calculated for traits rated on an ordinal scale.
Values highlighted in orange are above average, values highlighted in dark orange are in the upper 25%. MS letters highlighted in dark orange are in the "A group", indicating no statistical difference from the top-performing variety, for a given trait.
Yield data from Springfield Non-Irr and Spring Hill were excluded from the average due to very low yields. Data from these trials can be found in the appendix.

**Table 23. Mean† yields across and by location of 28 Maturity Group IV Late / V Early (4.6 - 5.4) XF soybean varieties evaluated in small plot replicated trials at eight AgResearch and Education Center sites in Tennessee during 2025.**

| Variety† | Herbicide Pkg.‡ | Above Loc Avg. | Avg. Yield§ (bu/*acre*) | Knoxville Irr. (*bu/acre*) | Greeneville Non-Irr. (*bu/acre*) | Springfield Irr. (bu/*acre*) | Milan Irr. (bu/*acre*) | Milan Non-Irr. (bu/*acre*) | Jackson Non-Irr. (bu/*acre*) |
|---|---|---|---|---|---|---|---|---|---|
| USG 7476XF | XF | 63% | 63 A | 47 F-H | 99 AB | 31 A-G | 87 A | 57 A | 59 A |
| Dyna-Gro S48XF35 | XF | 75% | 62 AB | 53 A-G | 105 A | 30 B-H | 81 A-C | 47 A | 54 A |
| Revere 49-F36* | XF, STS | 88% | 60 A-C | 54 A-E | 97 A-C | 34 A-D | 80 A-D | 46 A | 51 A |
| Innvictis A4862XF | XF | 63% | 60 A-D | 55 A-E | 92 B-E | 36 A-C | 75 B-F | 45 A | 60 A |
| Progeny 4824XF | XF, STS | 75% | 60 A-D | 57 A-C | 88 C-F | 33 A-F | 83 AB | 52 A | 47 A |
| Innvictis A4755XF | XF | 63% | 59 A-E | 58 A | 95 B-E | 33 A-E | 74 B-G | 44 A | 52 A |
| Revere 47-F77 | XF, STS | 63% | 58 B-F | 58 AB | 92 B-F | 30 B-H | 68 E-G | 50 A | 53 A |
| Progeny 4623XF | XF | 38% | 58 B-F | 54 A-F | 96 A-D | 30 B-H | 71 C-G | 53 A | 45 A |
| Progeny 4947XFS | XF, STS | 63% | 58 B-F | 49 D-H | 95 B-E | 29 B-H | 72 C-G | 47 A | 57 A |
| USG 7495XFS | XF, STS | 63% | 58 B-F | 54 A-F | 92 B-F | 25 E-H | 74 B-G | 51 A | 52 A |
| Asgrow AG50XF5 | XF | 50% | 58 B-F | 52 A-G | 93 B-E | 35 A-C | 70 D-G | 46 A | 50 A |
| USG 7543XF | XF | 38% | 58 B-F | 51 B-H | 91 B-F | 23 GH | 78 A-E | 46 A | 57 A |
| Asgrow AG49XF4 | XF, STS | 25% | 58 B-F | 50 B-H | 83 F | 40 A | 78 A-E | 45 A | 49 A |
| Innvictis A4924XF | XF | 50% | 57 C-F | 54 A-G | 92 B-E | 32 A-G | 74 B-G | 43 A | 48 A |
| Integra XF4875S | XF | 63% | 57 C-F | 50 C-H | 92 B-F | 33 A-F | 73 C-G | 43 A | 52 A |
| Donmario DM 47F44S | XF, STS | 25% | 57 C-F | 47 GH | 97 A-D | 29 B-H | 72 C-G | 46 A | 52 A |
| Innvictis A4642XF | XF | 25% | 56 C-F | 48 E-H | 88 D-F | 35 A-C | 67 FG | 51 A | 50 A |
| Progeny 4842XFS | XF, STS | 50% | 56 C-F | 53 A-G | 89 C-F | 35 A-D | 65 FG | 45 A | 50 A |
| USG 7487XFS | XF, STS | 38% | 56 D-F | 56 A-D | 93 B-E | 30 B-H | 69 E-G | 39 A | 52 A |
| Progeny 4604XFS | XF, STS | 63% | 56 EF | 50 C-H | 94 B-E | 28 C-H | 66 FG | 47 A | 52 A |
| Great Heart GT-4791XFS | XF, STS | 63% | 56 EF | 53 A-G | 89 C-F | 22 H | 75 B-F | 48 A | 51 A |
| Progeny 4734XFS | XF, STS | 38% | 56 EF | 53 A-G | 90 C-F | 29 B-H | 71 C-G | 40 A | 52 A |
| Donmario DM 48F53 | XF | 38% | 56 E-G | 51 B-H | 93 B-F | 26 D-H | 68 E-G | 49 A | 50 A |
| Progeny 5056XFS | XF, STS | 38% | 56 E-G | 50 B-H | 98 A-C | 28 C-H | 66 FG | 46 A | 46 A |
| Progeny 4724XFS | XF, STS | 63% | 55 E-G | 45 H | 88 D-F | 34 A-D | 66 FG | 47 A | 52 A |
| USG 7461XFS | XF, STS | 50% | 55 FG | 50 C-H | 87 D-F | 37 AB | 65 FG | 47 A | 44 A |
| USG 7463XF | XF | 13% | 55 FG | 45 H | 86 EF | 29 B-H | 70 D-G | 52 A | 49 A |
| Progeny 4848XF | XF | 13% | 52 G | 50 D-H | 92 B-E | 24 F-H | 64 G | 39 A | 41 A |
| **Average** | | | **57** | **52** | **92** | **31** | **72** | **47** | **51** |
| **Standard Error** | | | **9** | **3** | **4** | **3** | **4** | **4** | **5** |
| **L.S.D.$_{.05}$** | | | **4** | **7** | **10** | **9** | **10** | **N.S.** | **N.S.** |
| **C.V.** | | | **11** | **9** | **6** | **18** | **9** | **12** | **14** |

† Varieties that have any MS letter in common are not significantly different at the 5% level of probability.
* Asterisks after a variety name indicate the number of preceding consecutive years in the top-performing "A" group.
‡ For a full description of abbreviated biotech traits, see table 5.
§ All yields are adjusted to 13% moisture.
Values highlighted in orange are above average, values highlighted in dark orange are in the upper 25%. MS letters highlighted in dark orange are in the "A group", indicating no statistical difference from the top-performing variety, for given trait.

**Table 24. Yields of 10 Maturity Group IV Late (4.6-4.9) and 2 MG early V Xtend Flex soybean varieties in 5 County Standard Tests in Tennessee during 2025.**

| MS† Avg. Yield | Variety | Avg. Yield§ (bu/*acre*) | Avg. Moisture (%) | Gibson 5/19 | Hardeman 4/16 | Henry 6/26 | Madison 4/22 | Obion 5/9 |
|---|---|---|---|---|---|---|---|---|
| A | Gateway 487XFS | 66.7 | 13.0 | 50 | **88** | 60 | 68 | 67 |
| A | USG 7476XF | 66.6 | 11.9 | 55 | 84 | 58 | 66 | 70 |
| AB | Beck's 4999XF* | 65.9 | 11.5 | 56 | 76 | 52 | **70** | **75** |
| AB | DynaGro S49XF43S** | 64.9 | 13.1 | 52 | 77 | 59 | 70 | 67 |
| AB | AgriGold 4910XF | 64.6 | 11.8 | **60** | 83 | 50 | 66 | 65 |
| ABC | DynaGro S48XF35 | 62.6 | 11.6 | 45 | 86 | 57 | 63 | 63 |
| ABC | Asgrow 49XF4 | 61.7 | 11.9 | 49 | 73 | 55 | 64 | 67 |
| ABCD | USG 7543XF** | 60.8 | 14.2 | 48 | . | **62** | . | 55 |
| ABC | USG 7495XFS* | 60.4 | 13.2 | 47 | 83 | 54 | 63 | 55 |
| BCD | Asgrow 50XF5 | 60.0 | 12.2 | 41 | 76 | 61 | 58 | 64 |
| CD | DynaGro S47XF23S | 56.9 | 11.4 | 38 | 65 | 58 | 57 | 66 |
| D | Beck's 4887XF | 53.7 | 11.8 | 35 | 75 | 54 | 51 | 53 |
| | **Average** | **62.1** | **12.3** | **48** | **79** | **57** | **63** | **64** |

Data Provided by Ryan Blair, Ext. Specialist, Grain and Cotton Variety Testing, and Extension agents in counties shown above.
† Varieties that have any MS letter in common are not significantly different at the 5% level of probability. Values highlighted in light orange are above average for a given trait, MS letters highlighted in dark orange are in the "A group", indicating no statistical difference from the top-performing variety, for a given trait.
* Asterisks after a name indicate the number of preceding consecutive years in the top-performing "A" group.
§ All yields are adjusted to 13% moisture.

**Table 25. Overall average yields, moistures, and test weights of 15 Maturity Group IV Late (4.5 - 5.0) XtendFlex soybean varieties evaluated in both the County Standard Tests and Research and Education Center Tests in Tennessee during 2025.**

| | | Avg. of REC and CST Tests | | | REC Tests | | | CST Tests | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Variety | Herbicide Pkg[†] | Avg. Yield[§] (bu/*acre*) | Avg. Moisture (%) | "A group" in both tests | Avg. Yield[§] (bu/*acre*) | Avg. Moisture (%) | "A group" | Avg. Yield[§] (bu/*acre*) | Avg. Moisture (%) | "A group" |
| USG 7476XF | XF | 65.0 | 11.7 | * | 63.4 | 11.5 | * | 66.6 | 11.9 | * |
| Dyna-Gro S48XF35 | XF | 62.1 | 11.4 | * | 61.6 | 11.1 | * | 62.6 | 11.6 | * |
| Asgrow AG49XF4 | XF, STS | 59.6 | 11.7 | | 57.5 | 11.5 | | 61.7 | 11.9 | * |
| USG 7543XF | XF | 59.2 | 13.3 | | 57.6 | 12.3 | | 60.8 | 14.2 | * |
| USG 7495XFS | XF, STS | 59.2 | 12.1 | | 58.0 | 11.0 | | 60.4 | 13.2 | * |
| Asgrow AG50XF5 | XF | 58.8 | 11.9 | | 57.7 | 11.6 | | 60.0 | 12.2 | |
| **Average** | | **60.7** | **12.0** | | **59.3** | **11.5** | | **62.0** | **12.5** | |

‡ For a full description of abbreviated biotech traits, see table 5.
§ All yields are adjusted to 13% moisture.

**Table 26. Yields and disease ratings of 11 Maturity Group 4 Late (4.6-4.9) & 1 MG 5 Glyphosate / Dicamaba tolerant soybean varieties in 5 County Standard Tests and in small plot trials at 3 locations in Tennessee during 2025.**

| Summary from County Tests | | | Summary from Small Plot Research | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Avg. | On-farm Location in Jackson (JAX) | | | | Research & Education Center at Milan (RECM) | | | | Research & Education Center at Milan (RECM | | | |
| | | Yield | Yield (bu/ac) | | Frogeye | Brown | Yield (bu/ac) | | Frogeye | Brown | Yield (bu/ac) | | Frogeye | Brown |
| MS | Variety | (bu/ac) | *Treated | Non-treated | leaf spot | spot | *Treated | Non-treated | leaf spot | spot | *Treated | Non-treated | leaf spot | spot |
| A | Gateway 487XFS | 66.7 | 47.0 | 46.1 | NONE | MOD | 45.2 | 41.5 | NONE | HIGH | 61.3 | 57.1 | NONE | MOD |
| A | USG 7476XF | 66.6 | 40.8 | 40.4 | TRACE | MOD | 46.7 | 42.0 | TRACE | HIGH | 57.9 | 56.3 | NONE | HIGH |
| AB | Beck's 4999XF | 65.9 | 40.9 | 42.8 | NONE | MOD | 41.8 | 37.7 | TRACE | HIGH | 60.8 | 55.5 | NONE | MOD |
| AB | DynaGro S49XF43S | 64.9 | 49.1 | 42.8 | TRACE | MOD | 44.3 | 40.8 | NONE | HIGH | 51.8 | 49.1 | NONE | MOD |
| ABC | DynaGro S48XF35 | 62.6 | 43.0 | 46.1 | TRACE | HIGH | 41.3 | 37.8 | LOW | HIGH | 58.7 | 51.6 | TRACE | HIGH |
| ABC | Asgrow 49XF4 | 61.7 | 47.9 | 43.5 | NONE | MOD | 38.7 | 36.9 | NONE | HIGH | 55.4 | 55.2 | NONE | MOD |
| ABCD | USG 7543XF | 60.8 | 40.2 | 38.4 | NONE | MOD | 43.1 | 38.5 | NONE | MOD | 54.8 | 55.0 | NONE | LOW |
| ABC | USG 7495XFS | 60.4 | 46.9 | 46.1 | NONE | MOD | 40.4 | 36.2 | NONE | HIGH | 52.7 | 50.9 | NONE | MOD |
| BCD | Asgrow 50XF5 | 60.0 | 44.5 | 39.4 | LOW | MOD | 38.7 | 36.8 | MOD | HIGH | 57.3 | 51.0 | LOW | HIGH |
| CD | DynaGro S47XF23S | 56.9 | 39.0 | 36.6 | MOD | MOD | 37.8 | 36.7 | MOD | HIGH | 55.6 | 53.9 | LOW | HIGH |
| D | Beck's 4887XF | 53.7 | 42.2 | 37.0 | MOD | MOD | 35.4 | 31.1 | HIGH | HIGH | 59.1 | 54.8 | MODE | HIGH |
| . | Pioneer46A90 | . | 45.2 | 44.9 | NONE | MOD | 50.5 | 47.5 | NONE | HIGH | 48.4 | 46.1 | NONE | LOW |
| | **Average** | **61.8** | **43.8** | **41.7** | | | **41.2** | **37.8** | | | **56.9** | **53.7** | | |

Yield adjusted to 13.5% moisture
MS= Varieties that have any MS letter in common are not statistically different in yield (based on 95% confidence)

*Treated plots sprayed with Miravis Top @13.7 fl oz/a + 0.25% Induce @ R3 growth stage
JAX varieties planted May 23, sprayed Aug 6, and harvested Oct. 15
RECM varieties planted May 15, sprayed Aug 6, and harvested Nov. 5
WTREC vareities planted June 24, sprayed Aug. 21, and harvested Nov. 4

NONE, TRACE, LOW, MOD, and HIGH is a relative ranking of disease severity at each location.
Disease ratings at JAX: Frogeye leaf spot ranged from 0 - 8%, averaged 1.5%; Brown spot from 8 - 15%, averaged 10.5%
Disease ratings at RECM: Frogeye leaf spot ranged from 0 - 12%, averaged 2%; Brown spot from 13 - 30%, averaged 22%
Disease ratings at WTREC: Frogeye leaf spot ranged from 0 - 6%, averaged 1%; Brown spot from 7 - 15%, averaged 13%

Disease ratings & yield data compiled by Dr. Heather Kelly and Wesley Crowder from replicated plots at 3 locations
County data provided by Ryan Blair, Ext. Area Specialist, Grain and Cotton Variety Testing, and County Extension agents

**Table A-1. Mean† yield and agronomic traits of seven Maturity Group III (3.0 - 3.9) soybean varieties evaluated in small plot replicated trials at the East TN AgResearch and Education Center site in Knoxville, TN during 2025.**

| Variety† | Herbicide Pkg‡ | Avg. Yield§ (bu/ac) | Moisture at Harvest (%) | Maturity (DAP) | Plant Height (in.) | Protein‖ (%) | Oil‖ (%) | Lodging¶ (1-5) | Leaf Holding¶ (1-5) |
|---|---|---|---|---|---|---|---|---|---|
| Revere CT3933ES | E3, STS | 88 A | 13.1 B | 132 A | 34 A | 39.1 C | 27.2 B | 2.2 | 1.3 |
| Xitavo XO 3956E | E3 | 82 A | 13.1 B | 123 A | 33 A | 38.0 D | 28.2 A | 1.5 | 1.8 |
| Xitavo XO 3855E* | E3 | 81 A | 13.0 B | 132 A | 30 A | 41.9 A | 25.5 C | 1.3 | 1.3 |
| Dyna-Gro S38EN75* | E3 | 73 A | 13.3 B | 129 A | 31 A | 38.5 CD | 27.2 B | 1.0 | 1.3 |
| Asgrow AG36XF4 | XF | 70 A | 13.0 B | 123 A | 32 A | 41.9 A | 25.6 C | 1.7 | 2.0 |
| Xitavo XO 3655E | E3 | 66 A | 14.2 A | 126 A | 32 A | 40.5 B | 27.2 B | 1.7 | 1.2 |
| Xitavo XO 3555E | E3 | 66 A | 13.0 B | 131 A | 27 A | 39.3 C | 27.9 A | 1.0 | 2.0 |
| **Trial Average** | | **75** | **13** | **128** | **31** | **40** | **27** | **1.5** | **1.6** |
| **Trial Standard Error** | | **6** | **0** | **2** | **1** | **0** | **0** | **0.4** | **0.4** |
| **Trial L.S.D.$_{.05}$** | | **N.S.** | **1** | **N.S.** | **N.S.** | **1** | **0** | **-** | **-** |
| **Trial C.V.** | | **14** | **2** | **3** | **7** | **2** | **1** | **-** | **-** |

† Varieties that have any MS letter in common are not significantly different at the 5% level of probability.
* Asterisks after a variety name indicate the number of preceding consecutive years in the top-performing "A" group.
‡ For a full description of abbreviated biotech traits, see table 5.
§ All yields are adjusted to 13% moisture.
‖ Protein and Oil on a dry weight basis.
¶ Rated on a scale of 1 (none) to 5 (complete). No C.V. is calculated for traits rated on an ordinal scale.
Values highlighted in orange are above average, values highlighted in dark orange are in the upper 25%. MS letters highlighted in dark orange are in the "A group", indicating no statistical difference from the top-performing variety, for a given trait.

**Table A-2. Mean† yield and agronomic traits of 13 Maturity Group IV Early (4.0 - 4.5) E3 soybean varieties evaluated in small plot replicated trials at the East TN AgResearch and Education Center site in Knoxville, TN during 2025.**

| Variety† | Herbicide Pkg‡ | Avg. Yield§ (bu/ac) | Moisture at Harvest (%) | Maturity (DAP) | Plant Height (in.) | Protein‖ (%) | Oil‖ (%) | Lodging¶ (1-5) | Leaf Holding¶ (1-5) |
|---|---|---|---|---|---|---|---|---|---|
| Pioneer P44Z67BE | E3 | 88 A | 12.3 A | 137 A | 31 A | 38.5 E-G | 25.7 D | 3.2 | 1.7 |
| Xitavo XO 4056E | E3 | 81 A | 12.4 A | 129 B | 29 A | 40.4 AB | 26.6 C | 1.2 | 1.3 |
| Pioneer P43Z44SE* | E3 | 81 A | 13.0 A | 134 A | 35 A | 38.5 E-G | 25.5 D | 1.5 | 2.0 |
| Revere CT4413E3S | E3, STS | 80 A | 12.6 A | 139 A | 31 A | 41.2 A | 24.8 E | 3.2 | 3.8 |
| Great Heart GT-4655ES | E3 | 79 A | 12.5 A | 139 A | 37 A | 39.5 B-D | 25.6 D | 3.0 | 4.0 |
| Xitavo XO 4255E | E3 | 79 A | 12.1 A | 137 A | 32 A | 39.7 BC | 25.5 D | 2.0 | 1.7 |
| USG 7435ET | E3 | 77 A | 13.0 A | 139 A | 34 A | 38.7 D-F | 27.0 BC | 1.8 | 1.0 |
| Pioneer P45Z75E* | E3 | 74 A | 12.9 A | 139 A | 34 A | 39.2 C-E | 25.9 D | 2.8 | 2.0 |
| Xitavo XO 4364E | E3 | 74 A | 13.0 A | 137 A | 32 A | 37.6 H | 27.1 B | 3.0 | 2.5 |
| Innvictis B4553E | E3 | 74 A | 12.7 A | 134 A | 33 A | 40.4 AB | 25.5 D | 2.0 | 2.0 |
| Xitavo XO 4566E | E3 | 72 A | 12.3 A | 137 A | 33 A | 37.7 GH | 27.5 A | 1.5 | 1.2 |
| Revere 42-E22 | E3, STS | 72 A | 12.7 A | 139 A | 35 A | 38.9 C-E | 26.9 BC | 1.7 | 1.7 |
| Xitavo XO 4405E | E3 | 70 A | 11.6 A | 139 A | 30 A | 37.9 F-H | 27.5 A | 1.8 | 2.2 |
| **Trial Average** | | **77** | **13** | **137** | **33** | **39** | **26** | **2.2** | **2.1** |
| **Trial Standard Error** | | **3** | **0** | **2** | **2** | **0** | **0** | **0.7** | **0.9** |
| **Trial L.S.D.$_{.05}$** | | **N.S.** | **N.S.** | **5** | **N.S.** | **1** | **0** | **-** | **-** |
| **Trial C.V.** | | **8** | **4** | **2** | **9** | **1** | **1** | **-** | **-** |

† Varieties that have any MS letter in common are not significantly different at the 5% level of probability.
* Asterisks after a variety name indicate the number of preceding consecutive years in the top-performing "A" group.
‡ For a full description of abbreviated biotech traits, see table 5.
§ All yields are adjusted to 13% moisture.
‖ Protein and Oil on a dry weight basis.
¶ Rated on a scale of 1 (none) to 5 (complete). No C.V. is calculated for traits rated on an ordinal scale.
Values highlighted in orange are above average, values highlighted in dark orange are in the upper 25%. MS letters highlighted in dark orange are in the "A group", indicating no statistical difference from the top-performing variety, for a given trait.

**Table A-3. Mean† yield and agronomic traits of eight Maturity Group IV Early (4.0 - 4.5) XF soybean varieties evaluated in small plot replicated trials at the East TN AgResearch and Education Center site in Knoxville, TN during 2025.**

| Variety† | Herbicide Pkg‡ | Avg. Yield§ (bu/ac) | Moisture at Harvest (%) | Maturity (DAP) | Plant Height (in.) | Protein‖ (%) | Oil‖ (%) | Lodging¶ (1-5) | Leaf Holding¶ (1-5) |
|---|---|---|---|---|---|---|---|---|---|
| Revere 45-F29 | XF, STS | 79 A | 12.0 C | 139 A | 35 A | 39.2 B-D | 25.4 D | 3.0 | 1.5 |
| Innvictis A4534XF | XF | 73 AB | 12.4 BC | 139 A | 36 A | 38.8 CD | 26.7 B | 3.7 | 2.5 |
| Innvictis A4411XF | XF | 70 BC | 13.1 A | 139 A | 35 A | 40.1 AB | 26.0 C | 3.5 | 2.8 |
| Asgrow AG43XF5 | XF, STS | 70 BC | 12.1 BC | 139 A | 37 A | 39.6 A-C | 25.2 D | 2.3 | 1.8 |
| Great Heart GT-4538XFS | XF, STS | 64 B-D | 11.9 C | 137 A | 31 A | 39.9 AB | 25.0 D | 3.5 | 1.7 |
| Dyna-Gro S43XF85S | XF, STS | 62 CD | 12.7 AB | 137 A | 36 A | 38.8 CD | 27.2 AB | 2.8 | 1.5 |
| USG 7435XFS | XF, STS | 61 CD | 12.3 BC | 137 A | 34 A | 38.3 D | 27.4 A | 3.0 | 1.3 |
| Innvictis A4564XF | XF | 59 D | 12.4 BC | 137 A | 30 A | 40.3 A | 25.4 CD | 3.3 | 2.3 |
| **Trial Average** | | **67** | **12** | **138** | **34** | **39** | **26** | **3.1** | **1.9** |
| **Trial Standard Error** | | **3** | **0** | **2** | **2** | **0** | **0** | **0.4** | **0.5** |
| **Trial L.S.D.$_{.05}$** | | **9** | **1** | **N.S.** | **N.S.** | **1** | **1** | **-** | **-** |
| **Trial C.V.** | | **8** | **3** | **2** | **8** | **1** | **1** | **-** | **-** |

† Varieties that have any MS letter in common are not significantly different at the 5% level of probability.
* Asterisks after a variety name indicate the number of preceding consecutive years in the top-performing "A" group.
‡ For a full description of abbreviated biotech traits, see table 5.
§ All yields are adjusted to 13% moisture.
‖ Protein and Oil on a dry weight basis.
¶ Rated on a scale of 1 (none) to 5 (complete). No C.V. is calculated for traits rated on an ordinal scale.
Values highlighted in orange are above average, values highlighted in dark orange are in the upper 25%. MS letters highlighted in dark orange are in the "A group", indicating no statistical difference from the top-performing variety, for a given trait.

**Table A-4. Mean† yield and agronomic traits of 16 Maturity Group IV Late (4.5 - 4.9) E3 soybean varieties evaluated in small plot replicated trials at the East TN AgResearch and Education Center site in Knoxville, TN during 2025.**

| Variety† | Herbicide Pkg‡ | Avg. Yield§ (bu/ac) | Moisture at Harvest (%) | Maturity (DAP) | Plant Height (in.) | Protein‖ (%) | Oil‖ (%) | Lodging¶ (1-5) | Leaf Holding¶ (1-5) |
|---|---|---|---|---|---|---|---|---|---|
| Pioneer P50Z95E* | E3 | 66 A | 10.3 D | 146 A | 36 BC | 38.3 E | 26.0 CD | 1.5 | 1.0 |
| Pioneer P47Z15BE | E3 | 62 AB | 10.7 B-D | 139 C | 37 A-C | 39.5 CD | 25.2 E | 2.3 | 1.3 |
| Dyna-Gro S47ES36 | E3, STS | 61 AB | 11.4 A-C | 139 C | 37 A-C | 39.5 CD | 25.9 CD | 2.3 | 2.5 |
| Innvictis B4744E | E3 | 61 AB | 11.5 A-C | 144 AB | 38 AB | 39.5 CD | 27.0 AB | 3.2 | 1.7 |
| Xitavo XO 4653E | E3 | 61 AB | 11.1 A-D | 139 C | 38 AB | 38.7 DE | 26.1 CD | 1.7 | 1.3 |
| Xitavo XO 4894E | E3 | 60 B | 11.7 A | 139 C | 35 BC | 41.6 A | 25.1 E | 3.8 | 3.0 |
| Revere CT4925E3S | E3, STS | 59 BC | 10.7 B-D | 141 BC | 35 BC | 38.4 E | 27.6 A | 1.5 | 1.8 |
| USG 7466ETS | E3, STS | 59 B-D | 11.3 A-C | 139 C | 37 A-C | 38.4 E | 26.0 CD | 2.0 | 1.0 |
| Dyna-Gro S48ES56 | E3, STS | 59 B-E | 11.7 A | 141 BC | 30 DE | 38.5 E | 26.0 CD | 4.0 | 1.3 |
| Revere 47-E74 | E3 | 58 B-E | 11.1 A-D | 146 A | 33 CD | 40.0 BC | 25.9 CD | 2.3 | 1.2 |
| Progeny 4999E3S | E3S | 58 B-E | 11.7 A | 139 C | 37 A-C | 41.6 A | 25.1 E | 3.0 | 1.5 |
| USG 7486ETS | E3, STS | 57 B-E | 10.9 A-D | 146 A | 41 A | 40.7 AB | 25.7 DE | 3.0 | 2.2 |
| Pioneer P49Z02E | E3 | 55 C-F | 10.6 CD | 144 AB | 35 BC | 39.9 BC | 25.1 E | 1.5 | 1.7 |
| USG 7494ETS | E3, STS | 54 D-F | 11.4 A-C | 139 C | 37 A-C | 41.2 A | 25.2 E | 3.2 | 2.2 |
| Xitavo XO 4736E | E3 | 54 EF | 11.6 A | 139 C | 26 E | 39.7 C | 25.7 DE | 4.0 | 2.7 |
| Fortus 4665ES | E3 | 52 F | 11.5 AB | 139 C | 19 F | 39.8 BC | 26.5 BC | 4.3 | 2.2 |
| **Trial Average** | | **58** | **11** | **141** | **34** | **40** | **26** | **2.7** | **1.8** |
| **Trial Standard Error** | | **2** | **0** | **1** | **2** | **0** | **0** | **1.0** | **0.6** |
| **Trial L.S.D.$_{.05}$** | | **5** | **1** | **3** | **4** | **1** | **1** | **-** | **-** |
| **Trial C.V.** | | **5** | **5** | **1** | **8** | **1** | **2** | **-** | **-** |

† Varieties that have any MS letter in common are not significantly different at the 5% level of probability.
* Asterisks after a variety name indicate the number of preceding consecutive years in the top-performing "A" group.
‡ For a full description of abbreviated biotech traits, see table 5.
§ All yields are adjusted to 13% moisture.
‖ Protein and Oil on a dry weight basis.
¶ Rated on a scale of 1 (none) to 5 (complete). No C.V. is calculated for traits rated on an ordinal scale.
Values highlighted in orange are above average, values highlighted in dark orange are in the upper 25%. MS letters highlighted in dark orange are in the "A group", indicating no statistical difference from the top-performing variety, for a given trait.

**Table A-5. Mean† yield and agronomic traits of 28 Maturity Group IV Late / V Early (4.6 - 5.4) XF soybean varieties evaluated in small plot replicated trials at the East TN AgResearch and Education Center site in Knoxville, TN during 2025.**

| Variety† | Herbicide Pkg‡ | Avg. Yield§ (bu/ac) | Moisture at Harvest (%) | Maturity (DAP) | Plant Height (in.) | Protein‖ (%) | Oil‖ (%) | Lodging¶ (1-5) | Leaf Holding¶ (1-5) |
|---|---|---|---|---|---|---|---|---|---|
| Progeny 4604XFS | XF, STS | 50 C-H | 10.3 C-E | 141 AB | 36 A-D | 38.4 G-K | 25.7 D-H | 1.7 | 1.5 |
| Innvictis A4755XF | XF | 58 A | 10.3 C-E | 141 AB | 34 A-G | 38.6 E-K | 26.0 D-F | 1.8 | 1.3 |
| Revere 47-F77 | XF, STS | 58 AB | 10.4 B-D | 141 AB | 33 B-G | 38.6 F-K | 26.0 D-F | 2.8 | 2.2 |
| Progeny 4824XF | XF, STS | 57 A-C | 10.8 AB | 146 A | 35 A-G | 38.1 I-K | 24.8 K | 1.5 | 1.0 |
| USG 7487XFS | XF, STS | 56 A-D | 10.3 C-E | 139 B | 33 A-G | 38.6 E-K | 25.9 D-F | 1.5 | 1.3 |
| Innvictis A4862XF | XF | 55 A-E | 10.3 C-E | 146 A | 31 E-G | 38.7 E-K | 26.2 CD | 1.7 | 1.5 |
| Revere 49-F36* | XF, STS | 54 A-E | 10.2 C-E | 146 A | 34 A-G | 40.2 A-C | 25.3 H-K | 2.5 | 1.3 |
| USG 7495XFS | XF, STS | 54 A-F | 9.9 E | 146 A | 36 A-D | 37.0 LM | 26.6 BC | 2.5 | 1.0 |
| Progeny 4623XF | XF | 54 A-F | 10.5 B-D | 144 AB | 30 E-G | 37.8 KL | 25.9 D-G | 2.7 | 1.7 |
| Innvictis A4924XF | XF | 54 A-G | 10.1 DE | 141 AB | 30 G | 39.1 D-I | 25.7 D-H | 1.2 | 1.0 |
| Progeny 4734XFS | XF, STS | 53 A-G | 10.4 B-D | 141 AB | 33 A-G | 38.1 JK | 26.7 B | 2.5 | 2.0 |
| Progeny 4842XFS | XF, STS | 53 A-G | 10.3 C-E | 144 AB | 37 AB | 39.0 D-J | 26.0 D-F | 2.3 | 2.0 |
| Dyna-Gro S48XF35 | XF | 53 A-G | 10.0 DE | 146 A | 31 E-G | 39.4 B-F | 26.1 C-E | 1.7 | 1.2 |
| Great Heart GT-4791XFS | XF, STS | 53 A-G | 10.3 C-E | 146 A | 37 A-C | 40.3 AB | 25.4 G-J | 2.0 | 2.0 |
| Asgrow AG50XF5 | XF | 52 A-G | 10.4 B-D | 146 A | 35 A-F | 39.0 E-J | 25.0 JK | 1.5 | 1.0 |
| Donmario DM 48F53 | XF | 51 B-H | 10.1 DE | 141 AB | 31 FG | 36.3 M | 27.3 A | 1.8 | 1.3 |
| USG 7543XF | XF | 51 B-H | 11.0 A | 146 A | 35 A-G | 39.1 D-J | 25.4 H-J | 3.5 | 1.3 |
| Progeny 5056XFS | XF, STS | 50 B-H | 10.2 C-E | 146 A | 32 C-G | 39.4 B-G | 26.1 D-F | 2.3 | 1.0 |
| Asgrow AG49XF4 | XF, STS | 50 B-H | 10.3 B-D | 144 AB | 38 A | 39.5 B-F | 25.2 I-K | 2.3 | 1.2 |
| Integra XF4875S | XF | 50 C-H | 10.3 C-E | 141 AB | 37 A-C | 39.5 B-F | 25.9 D-G | 2.5 | 1.8 |
| USG 7461XFS | XF, STS | 50 C-H | 10.0 DE | 141 AB | 36 A-E | 38.3 H-K | 25.7 E-H | 1.7 | 1.3 |
| Progeny 4848XF | XF | 50 D-H | 10.4 B-D | 144 AB | 32 C-G | 39.6 B-F | 24.8 K | 1.8 | 1.0 |
| Progeny 4947XFS | XF, STS | 49 D-H | 10.1 DE | 144 AB | 38 A | 40.0 A-D | 25.2 I-K | 2.7 | 2.0 |
| Innvictis A4642XF | XF | 48 E-H | 10.6 A-C | 139 B | 37 A-C | 40.2 A-C | 25.0 JK | 2.3 | 1.8 |
| USG 7476XF | XF | 47 F-H | 10.2 C-E | 141 AB | 31 D-G | 39.1 D-H | 26.1 C-E | 1.7 | 1.2 |
| Donmario DM 47F44S | XF, STS | 47 GH | 10.8 AB | 139 B | 38 AB | 39.4 C-G | 25.6 F-I | 2.2 | 1.2 |
| Progeny 4724XFS | XF, STS | 45 H | 10.8 AB | 139 B | 35 A-F | 40.6 A | 25.1 I-K | 2.2 | 1.2 |
| USG 7463XF | XF | 45 H | 10.3 C-E | 139 B | 30 FG | 39.6 B-E | 25.0 JK | 1.3 | 1.2 |
| **Trial Average** | | **52** | **10** | **143** | **34** | **39** | **26** | **2.1** | **1.4** |
| **Trial Standard Error** | | **3** | **0** | **2** | **2** | **0** | **0** | **0.5** | **0.4** |
| **Trial L.S.D.$_{.05}$** | | **7** | **0** | **5** | **5** | **1** | **0** | **-** | **-** |
| **Trial C.V.** | | **9** | **3** | **2** | **9** | **2** | **1** | **-** | **-** |

† Varieties that have any MS letter in common are not significantly different at the 5% level of probability.
* Asterisks after a variety name indicate the number of preceding consecutive years in the top-performing "A" group.
‡ For a full description of abbreviated biotech traits, see table 5.
§ All yields are adjusted to 13% moisture.
‖ Protein and Oil on a dry weight basis.
¶ Rated on a scale of 1 (none) to 5 (complete). No C.V. is calculated for traits rated on an ordinal scale.
Values highlighted in orange are above average, values highlighted in dark orange are in the upper 25%. MS letters highlighted in dark orange are in the "A group", indicating no statistical difference from the top-performing variety, for a given trait.

**Table A-6. Mean† yield and agronomic traits of seven Maturity Group III (3.0 - 3.9) soybean varieties evaluated in small plot replicated trials at the Northeast TN AgResearch and Education Center site in Greeneville, TN during 2025.**

| Variety† | Herbicide Pkg‡ | Avg. Yield§ (bu/ac) | Moisture at Harvest (%) | Maturity (DAP) | Plant Height (in.) | Lodging¶ (1-5) | Shattering¶ (1-5) | Leaf Holding¶ (1-5) |
|---|---|---|---|---|---|---|---|---|
| Dyna-Gro S38EN75* | E3 | 88 A | 11.1 A | 135 A | 38 A | 1.3 | 1.0 | 1.3 |
| Revere CT3933ES | E3, STS | 87 A | 11.4 A | 135 A | 38 A | 1.2 | 1.0 | 1.2 |
| Xitavo XO 3855E* | E3 | 80 A | 11.0 A | 134 A | 32 CD | 1.0 | 1.0 | 1.5 |
| Asgrow AG36XF4 | XF | 80 A | 11.8 A | 134 A | 37 AB | 1.0 | 1.5 | 1.2 |
| Xitavo XO 3956E | E3 | 78 A | 11.5 A | 135 A | 39 A | 1.2 | 1.2 | 1.2 |
| Xitavo XO 3555E | E3 | 73 A | 10.8 A | 134 A | 29 D | 1.0 | 1.2 | 1.2 |
| Xitavo XO 3655E | E3 | 72 A | 11.2 A | 134 A | 34 BC | 1.5 | 1.0 | 1.2 |
| **Trial Average** | | **80** | **11** | **135** | **35** | **1.2** | **1.1** | **1.2** |
| **Trial Standard Error** | | **8** | **0** | **1** | **2** | **0.2** | **0.2** | **0.1** |
| **Trial L.S.D.$_{.05}$** | | **N.S.** | **N.S.** | **N.S.** | **4** | **-** | **-** | **-** |
| **Trial C.V.** | | **8** | **4** | **1** | **7** | **-** | **-** | **-** |

† Varieties that have any MS letter in common are not significantly different at the 5% level of probability.
* Asterisks after a variety name indicate the number of preceding consecutive years in the top-performing "A" group.
‡ For a full description of abbreviated biotech traits, see table 5.
§ All yields are adjusted to 13% moisture.
ǁ Protein and Oil on a dry weight basis.
¶ Rated on a scale of 1 (none) to 5 (complete). No C.V. is calculated for traits rated on an ordinal scale.
Values highlighted in orange are above average, values highlighted in dark orange are in the upper 25%. MS letters highlighted in dark orange are in the "A group", indicating no statistical difference from the top-performing variety, for a

**Table A-7. Mean† yield and agronomic traits of 13 Maturity Group IV Early (4.0 - 4.5) E3 soybean varieties evaluated in small plot replicated trials at the Northeast TN AgResearch and Education Center site in Greeneville, TN during 2025.**

| Variety† | Herbicide Pkg‡ | Avg. Yield§ (bu/ac) | Moisture at Harvest (%) | Maturity (DAP) | Plant Height (in.) | Lodging¶ (1-5) | Leaf Holding¶ (1-5) |
|---|---|---|---|---|---|---|---|
| USG 7435ET | E3 | 92 A | 12.6 A | 141 CD | 40 BC | 1.3 | 1.5 |
| Xitavo XO 4056E | E3 | 92 A | 11.7 A | 139 D | 36 D | 1.0 | 1.3 |
| Xitavo XO 4255E | E3 | 92 A | 12.1 A | 141 CD | 38 CD | 2.5 | 1.7 |
| Pioneer P43Z44SE* | E3 | 92 A | 12.5 A | 140 CD | 38 CD | 1.7 | 1.3 |
| Revere 42-E22 | E3, STS | 90 A | 12.6 A | 140 CD | 39 BC | 1.3 | 1.5 |
| Revere CT4413E3S | E3, STS | 90 A | 12.2 A | 145 A | 41 AB | 2.8 | 1.7 |
| Xitavo XO 4364E | E3 | 89 A | 12.2 A | 141 CD | 41 AB | 2.3 | 1.5 |
| Innvictis B4553E | E3 | 88 A | 12.7 A | 140 CD | 41 AB | 1.3 | 1.5 |
| Pioneer P44Z67BE | E3 | 88 A | 13.3 A | 141 CD | 42 AB | 1.5 | 1.5 |
| Great Heart GT-4655ES | E3 | 88 A | 13.0 A | 144 AB | 44 A | 2.2 | 1.5 |
| Xitavo XO 4405E | E3 | 87 A | 12.5 A | 143 B | 41 A-C | 2.5 | 1.5 |
| Pioneer P45Z75E* | E3 | 85 A | 13.3 A | 141 CD | 41 AB | 1.5 | 1.3 |
| Xitavo XO 4566E | E3 | 83 A | 12.3 A | 142 BC | 41 A-C | 1.3 | 1.7 |
| **Trial Average** | | **89** | **13** | **141** | **40** | **1.8** | **1.5** |
| **Trial Standard Error** | | **4** | **0** | **1** | **1** | **0.6** | **0.1** |
| **Trial L.S.D.$_{.05}$** | | **N.S.** | **N.S.** | **2** | **3** | **-** | **-** |
| **Trial C.V.** | | **7** | **5** | **1** | **5** | **-** | **-** |

† Varieties that have any MS letter in common are not significantly different at the 5% level of probability.
* Asterisks after a variety name indicate the number of preceding consecutive years in the top-performing "A" group.
‡ For a full description of abbreviated biotech traits, see table 5.
§ All yields are adjusted to 13% moisture.
‖ Protein and Oil on a dry weight basis.
¶ Rated on a scale of 1 (none) to 5 (complete). No C.V. is calculated for traits rated on an ordinal scale.
Values highlighted in orange are above average, values highlighted in dark orange are in the upper 25%. MS letters highlighted in dark orange are in the "A group", indicating no statistical difference from the top-performing variety, for a given trait.

**Table A-8. Mean† yield and agronomic traits of eight Maturity Group IV Early (4.0 - 4.5) XF soybean varieties evaluated in small plot replicated trials at the Northeast TN AgResearch and Education Center site in Greeneville, TN during 2025.**

| Variety† | Herbicide Pkg‡ | Avg. Yield§ (bu/ac) | Moisture at Harvest (%) | Maturity (DAP) | Plant Height (in.) | Lodging¶ (1-5) | Shattering¶ (1-5) | Leaf Holding¶ (1-5) |
|---|---|---|---|---|---|---|---|---|
| Great Heart GT-4538XFS | XF, STS | 104 A | 11.2 A | 141 B | 49 A | 1.8 | 1.8 | 1.5 |
| Revere 45-F29 | XF, STS | 102 A | 11.0 A | 141 B | 47 AB | 2.2 | 2.2 | 1.7 |
| Asgrow AG43XF5 | XF, STS | 98 AB | 11.2 A | 141 B | 40 E | 2.7 | 2.7 | 1.5 |
| Innvictis A4534XF | XF | 97 AB | 11.7 A | 141 B | 46 BC | 2.3 | 2.3 | 1.2 |
| Innvictis A4411XF | XF | 95 AB | 11.7 A | 144 A | 42 DE | 1.8 | 1.8 | 1.7 |
| Dyna-Gro S43XF85S | XF, STS | 93 BC | 11.2 A | 141 B | 44 CD | 2.8 | 2.8 | 1.3 |
| USG 7435XFS | XF, STS | 92 BC | 11.4 A | 141 B | 45 BC | 2.8 | 2.8 | 1.3 |
| Innvictis A4564XF | XF | 86 C | 12.1 A | 142 AB | 48 A | 3.7 | 3.7 | 1.5 |
| **Trial Average** | | **96** | **11** | **141** | **45** | **2.5** | **2.5** | **1.5** |
| **Trial Standard Error** | | **3** | **0** | **1** | **1** | **0.6** | **0.6** | **0.2** |
| **Trial L.S.D.$_{.05}$** | | **9** | **N.S.** | **2** | **3** | **-** | **-** | **-** |
| **Trial C.V.** | | **5** | **6** | **1** | **3** | **-** | **-** | **-** |

† Varieties that have any MS letter in common are not significantly different at the 5% level of probability.
* Asterisks after a variety name indicate the number of preceding consecutive years in the top-performing "A" group.
‡ For a full description of abbreviated biotech traits, see table 5.
§ All yields are adjusted to 13% moisture.
ǁ Protein and Oil on a dry weight basis.
¶ Rated on a scale of 1 (none) to 5 (complete). No C.V. is calculated for traits rated on an ordinal scale.
Values highlighted in orange are above average, values highlighted in dark orange are in the upper 25%. MS letters highlighted in dark orange are in the "A group", indicating no statistical difference from the top-performing variety, for a given trait.

**Table A-9. Mean† yield and agronomic traits of 16 Maturity Group IV Late (4.5 - 4.9) E3 soybean varieties evaluated in small plot replicated trials at the Northeast TN AgResearch and Education Center site in Greeneville, TN during 2025.**

| Variety† | Herbicide Pkg‡ | Avg. Yield§ (bu/ac) | Moisture at Harvest (%) | Maturity (DAP) | Plant Height (in.) | Lodging¶ (1-5) | Leaf Holding¶ (1-5) |
|---|---|---|---|---|---|---|---|
| Pioneer P50Z95E* | E3 | 111 A | 12.6 A | 143 B-D | 44 H | 1.2 | 1.5 |
| Dyna-Gro S48ES56 | E3, STS | 103 AB | 13.3 A | 146 AB | 49 B-D | 3.3 | 1.5 |
| Xitavo XO 4736E | E3 | 103 AB | 13.0 A | 145 B-D | 52 A | 2.5 | 1.3 |
| Dyna-Gro S47ES36 | E3, STS | 102 A-C | 13.2 A | 146 AB | 48 B-E | 2.3 | 1.5 |
| Revere 47-E74 | E3 | 102 B-D | 12.3 A | 145 BC | 44 H | 1.8 | 1.7 |
| Pioneer P49Z02E | E3 | 101 B-D | 12.7 A | 145 B-D | 45 GH | 1.8 | 1.8 |
| USG 7494ETS | E3, STS | 101 B-D | 13.4 A | 144 B-D | 50 B | 1.5 | 1.7 |
| Innvictis B4744E | E3 | 99 B-D | 12.9 A | 146 BC | 46 E-H | 2.2 | 1.5 |
| Pioneer P47Z15BE | E3 | 99 B-D | 12.6 A | 143 CD | 47 D-G | 2.0 | 1.2 |
| Progeny 4999E3S | E3S | 97 B-D | 13.2 A | 144 B-D | 50 BC | 1.7 | 1.5 |
| USG 7486ETS | E3, STS | 96 B-D | 12.8 A | 146 AB | 49 B-D | 2.2 | 1.5 |
| Xitavo XO 4653E | E3 | 96 B-D | 12.9 A | 142 D | 44 H | 2.0 | 1.5 |
| USG 7466ETS | E3, STS | 93 D | 13.3 A | 143 CD | 46 F-H | 2.2 | 1.5 |
| Fortus 4665ES | E3 | 93 D | 13.0 A | 144 B-D | 44 H | 3.2 | 1.5 |
| Xitavo XO 4894E | E3 | 93 D | 12.7 A | 145 B-D | 48 C-F | 1.3 | 1.8 |
| Revere CT4925E3S | E3, STS | 92 CD | 13.3 A | 149 A | 46 E-H | 1.7 | 2.0 |
| **Trial Average** | | **99** | **13** | **145** | **47** | **2.1** | **1.6** |
| **Trial Standard Error** | | **4** | **0** | **1** | **1** | **0.6** | **0.2** |
| **Trial L.S.D.$_{.05}$** | | **9** | **N.S.** | **3** | **2** | **-** | **-** |
| **Trial C.V.** | | **5** | **3** | **1** | **3** | **-** | **-** |

† Varieties that have any MS letter in common are not significantly different at the 5% level of probability.
* Asterisks after a variety name indicate the number of preceding consecutive years in the top-performing "A" group.
‡ For a full description of abbreviated biotech traits, see table 5.
§ All yields are adjusted to 13% moisture.
‖ Protein and Oil on a dry weight basis.
¶ Rated on a scale of 1 (none) to 5 (complete). No C.V. is calculated for traits rated on an ordinal scale.
Values highlighted in orange are above average, values highlighted in dark orange are in the upper 25%. MS letters highlighted in dark orange are in the "A group", indicating no statistical difference from the top-performing variety, for a

**Table A-10. Mean† yield and agronomic traits of 28 Maturity Group IV Late / V Early (4.6 - 5.4) XF soybean varieties evaluated in small plot replicated trials at the Northeast TN AgResearch and Education Center site in Greeneville, TN during 2025.**

| Variety† | Herbicide Pkg‡ | Avg. Yield§ (bu/ac) | Moisture at Harvest (%) | Maturity (DAP) | Plant Height (in.) | Lodging¶ (1-5) | Shattering¶ (1-5) | Leaf Holding¶ (1-5) |
|---|---|---|---|---|---|---|---|---|
| Dyna-Gro S48XF35 | XF | 105 A | 12.2 C-I | 144 D | 42 H-J | 1.3 | 1.0 | 1.0 |
| USG 7476XF | XF | 99 AB | 12.6 B-F | 145 B-D | 43 G-J | 1.5 | 1.0 | 1.3 |
| Progeny 5056XFS | XF, STS | 98 A-C | 12.5 B-G | 146 B | 51 A | 2.2 | 1.0 | 1.5 |
| Revere 49-F36* | XF, STS | 97 A-C | 12.4 C-G | 146 B | 44 D-H | 2.8 | 1.0 | 1.5 |
| Donmario DM 47F44S | XF, STS | 97 A-D | 12.9 AB | 144 D | 49 AB | 1.3 | 1.0 | 1.2 |
| Progeny 4623XF | XF | 96 A-D | 12.2 C-I | 144 CD | 44 F-I | 1.7 | 1.0 | 1.3 |
| Innvictis A4755XF | XF | 95 B-E | 12.1 G-I | 144 D | 41 JK | 1.2 | 1.0 | 1.2 |
| Progeny 4947XFS | XF, STS | 95 B-E | 12.1 E-I | 145 B-D | 46 C-G | 2.2 | 1.0 | 1.5 |
| Progeny 4604XFS | XF, STS | 94 B-E | 12.1 F-I | 145 B-D | 47 B-D | 1.7 | 1.0 | 1.5 |
| Asgrow AG50XF5 | XF | 93 B-E | 12.1 G-I | 144 CD | 46 C-G | 1.2 | 1.0 | 1.0 |
| Donmario DM 48F53 | XF | 93 B-F | 12.2 C-I | 145 CD | 38 K | 1.6 | 1.0 | 1.3 |
| USG 7487XFS | XF, STS | 93 B-E | 11.8 I | 144 CD | 43 H-J | 1.2 | 1.0 | 1.2 |
| Progeny 4848XF | XF | 92 B-E | 12.5 B-G | 144 D | 42 H-J | 1.0 | 1.0 | 1.3 |
| Innvictis A4924XF | XF | 92 B-E | 12.1 E-I | 144 D | 41 IJ | 1.0 | 1.0 | 1.2 |
| Innvictis A4862XF | XF | 92 B-E | 12.3 C-H | 144 D | 43 H-J | 1.3 | 1.2 | 1.3 |
| Integra XF4875S | XF | 92 B-F | 12.2 D-I | 145 B-D | 47 B-D | 2.0 | 1.0 | 1.3 |
| Revere 47-F77 | XF, STS | 92 B-F | 12.6 A-E | 144 CD | 46 C-F | 1.7 | 1.0 | 1.2 |
| USG 7495XFS | XF, STS | 92 B-F | 12.1 G-I | 145 BC | 48 A-C | 2.3 | 1.0 | 1.3 |
| USG 7543XF | XF | 91 B-F | 12.1 F-I | 150 A | 48 A-C | 3.0 | 1.0 | 1.5 |
| Progeny 4734XFS | XF, STS | 90 C-F | 12.6 A-D | 144 D | 43 H-J | 1.7 | 1.0 | 1.2 |
| Progeny 4842XFS | XF, STS | 89 C-F | 12.7 A-C | 144 D | 47 B-E | 2.0 | 1.0 | 1.2 |
| Great Heart GT-4791XFS | XF, STS | 89 C-F | 12.2 C-I | 145 B-D | 46 C-G | 3.0 | 1.0 | 1.5 |
| Progeny 4824XF | XF, STS | 88 C-F | 12.3 C-I | 145 B-D | 48 A-C | 1.8 | 1.0 | 1.5 |
| Innvictis A4642XF | XF | 88 D-F | 12.4 B-G | 144 D | 47 B-E | 1.3 | 1.0 | 1.2 |
| Progeny 4724XFS | XF, STS | 88 D-F | 13.1 A | 145 BC | 48 BC | 3.2 | 1.0 | 1.3 |
| USG 7461XFS | XF, STS | 87 D-F | 11.8 HI | 144 CD | 47 B-E | 1.7 | 1.2 | 1.3 |
| USG 7463XF | XF | 86 EF | 12.6 A-E | 144 D | 44 E-H | 1.2 | 1.0 | 1.2 |
| Asgrow AG49XF4 | XF, STS | 83 F | 12.5 B-G | 144 D | 46 C-G | 1.2 | 1.0 | 1.0 |
| **Trial Average** | | **92** | **12** | **145** | **45** | **1.8** | **1.0** | **1.3** |
| **Trial Standard Error** | | **4** | **0** | **0** | **1** | **0.6** | **0.0** | **0.2** |
| **Trial L.S.D.$_{.05}$** | | **10** | **0** | **1** | **3** | **-** | **-** | **-** |
| **Trial C.V.** | | **6** | **2** | **0** | **4** | **-** | **-** | **-** |

† Varieties that have any MS letter in common are not significantly different at the 5% level of probability.
* Asterisks after a variety name indicate the number of preceding consecutive years in the top-performing "A" group.
‡ For a full description of abbreviated biotech traits, see table 5.
§ All yields are adjusted to 13% moisture.
‖ Protein and Oil on a dry weight basis.
¶ Rated on a scale of 1 (none) to 5 (complete). No C.V. is calculated for traits rated on an ordinal scale.
Values highlighted in orange are above average, values highlighted in dark orange are in the upper 25%. MS letters highlighted in dark orange are in the "A group", indicating no statistical difference from the top-performing variety, for a given trait.

**Table A-11. Mean† yield and agronomic traits of seven Maturity Group III (3.0 - 3.9) soybean varieties evaluated in small plot replicated trials at the Middle TN AgResearch and Education Center site in Spring Hill, TN during 2025.**

| Variety† | Herbicide Pkg‡ | Avg. Yield§ (bu/ac) | Moisture at Harvest (%) | Maturity (DAP) | Plant Height (in.) | Shattering¶ (1-5) | Leaf Holding¶ (1-5) |
|---|---|---|---|---|---|---|---|
| Xitavo XO 3956E | E3 | 24 A | 11.0 BC | 122 A-C | 31 AB | 1.0 | 1.2 |
| Dyna-Gro S38EN75* | E3 | 24 A | 10.3 C | 120 BC | 30 A-C | 1.0 | 1.0 |
| Xitavo XO 3555E | E3 | 23 A | 10.3 C | 120 BC | 28 BC | 1.0 | 1.2 |
| Xitavo XO 3855E* | E3 | 20 A | 11.2 BC | 123 AB | 26 C | 1.0 | 1.2 |
| Revere CT3933ES | E3, STS | 20 A | 13.8 A | 126 A | 33 A | 1.0 | 1.5 |
| Xitavo XO 3655E | E3 | 19 A | 9.7 C | 118 C | 28 BC | 1.0 | 1.0 |
| Asgrow AG36XF4 | XF | 11 B | 12.9 AB | 124 AB | 30 AB | 1.2 | 1.5 |
| **Trial Average** | | **20** | **11** | **122** | **30** | **1.0** | **1.2** |
| **Trial Standard Error** | | **5** | **1** | **2** | **2** | **0.1** | **0.2** |
| **Trial L.S.D.$_{.05}$** | | **6** | **2** | **4** | **4** | **-** | **-** |
| **Trial C.V.** | | **15** | **10** | **2** | **7** | **-** | **-** |

† Varieties that have any MS letter in common are not significantly different at the 5% level of probability.
* Asterisks after a variety name indicate the number of preceding consecutive years in the top-performing "A" group.
‡ For a full description of abbreviated biotech traits, see table 5.
§ All yields are adjusted to 13% moisture.
‖ Protein and Oil on a dry weight basis.
¶ Rated on a scale of 1 (none) to 5 (complete). No C.V. is calculated for traits rated on an ordinal scale.
Values highlighted in orange are above average, values highlighted in dark orange are in the upper 25%.
MS

**Table A-12. Mean† yield and agronomic traits of 13 Maturity Group IV Early (4.0 - 4.5) E3 soybean varieties evaluated in small plot replicated trials at the Middle TN AgResearch and Education Center site in Spring Hill, TN during 2025.**

| Variety† | Herbicide Pkg‡ | Avg. Yield§ (bu/ac) | Moisture at Harvest (%) | Maturity (DAP) | Plant Height (in.) | Leaf Holding¶ (1-5) |
|---|---|---|---|---|---|---|
| Revere 42-E22 | E3, STS | 29 A | 11.9 AB | 130 B-E | 33 AB | 1.8 |
| Xitavo XO 4405E | E3 | 26 A | 11.4 B-D | 138 A | 30 B-D | 1.8 |
| Pioneer P43Z44SE* | E3 | 26 A | 11.7 BC | 133 A-D | 30 B-D | 2.0 |
| Pioneer P44Z67BE | E3 | 26 A | 9.6 E | 126 EF | 36 A | 1.8 |
| Revere CT4413E3S | E3, STS | 24 A | 11.5 B-D | 132 B-D | 28 CD | 1.7 |
| Innvictis B4553E | E3 | 24 A | 11.8 AB | 131 B-E | 28 CD | 1.5 |
| Pioneer P45Z75E* | E3 | 24 A | 10.0 DE | 133 A-C | 37 A | 1.8 |
| Xitavo XO 4566E | E3 | 22 A | 11.1 B-E | 129 C-E | 29 B-D | 1.7 |
| Great Heart GT-4655ES | E3 | 22 A | 13.2 A | 133 A-C | 34 AB | 1.7 |
| USG 7435ET | E3 | 22 A | 12.0 AB | 130 B-E | 33 A-C | 2.0 |
| Xitavo XO 4056E | E3 | 21 A | 10.5 B-E | 123 F | 27 D | 1.2 |
| Xitavo XO 4255E | E3 | 21 A | 11.9 AB | 135 AB | 31 B-D | 1.5 |
| Xitavo XO 4364E | E3 | 19 A | 10.2 C-E | 128 D-F | 30 B-D | 1.5 |
| **Trial Average** | | **23** | **11** | **131** | **31** | **1.7** |
| **Trial Standard Error** | | **4** | **1** | **2** | **2** | **0.2** |
| **Trial L.S.D.$_{.05}$** | | **N.S.** | **2** | **5** | **5** | **-** |
| **Trial C.V.** | | **18** | **8** | **2** | **9** | **-** |

† Varieties that have any MS letter in common are not significantly different at the 5% level of probability.
* Asterisks after a variety name indicate the number of preceding consecutive years in the top-performing "A" group.
‡ For a full description of abbreviated biotech traits, see table 5.
§ All yields are adjusted to 13% moisture.
ǁ Protein and Oil on a dry weight basis.
¶ Rated on a scale of 1 (none) to 5 (complete). No C.V. is calculated for traits rated on an ordinal scale.
Values highlighted in orange are above average, values highlighted in dark orange are in the upper 25%.
MS

**Table A-13. Mean† yield and agronomic traits of eight Maturity Group IV Early (4.0 - 4.5) XF soybean varieties evaluated in small plot replicated trials at the Middle TN AgResearch and Education Center site in Spring Hill, TN during 2025.**

| Variety† | Herbicide Pkg‡ | Avg. Yield§ (bu/ac) | Moisture at Harvest (%) | Maturity (DAP) | Plant Height (in.) | Leaf Holding¶ (1-5) |
|---|---|---|---|---|---|---|
| Great Heart GT-4538XFS | XF, STS | 27 A | 12.5 A | 138 A | 37 AB | 1.7 |
| Asgrow AG43XF5 | XF, STS | 24 A | 12.5 A | 136 AB | 30 D | 1.7 |
| Innvictis A4564XF | XF | 24 A | 13.3 A | 139 A | 38 A | 2.0 |
| Innvictis A4534XF | XF | 24 A | 11.9 A | 132 CD | 32 CD | 1.5 |
| Revere 45-F29 | XF, STS | 23 A | 12.3 A | 130 CD | 34 BC | 1.5 |
| USG 7435XFS | XF, STS | 21 A | 13.0 A | 132 CD | 31 CD | 1.5 |
| Dyna-Gro S43XF85S | XF, STS | 21 A | 17.3 A | 133 BC | 32 CD | 1.8 |
| Innvictis A4411XF | XF | 20 A | 12.7 A | 130 D | 32 CD | 1.8 |
| **Trial Average** | | **23** | **13** | **134** | **33** | **1.7** |
| **Trial Standard Error** | | **4** | **1** | **2** | **2** | **0.2** |
| **Trial L.S.D.$_{.05}$** | | **N.S.** | **N.S.** | **3** | **3** | **-** |
| **Trial C.V.** | | **11** | **15** | **1** | **6** | **-** |

† Varieties that have any MS letter in common are not significantly different at the 5% level of probability.
* Asterisks after a variety name indicate the number of preceding consecutive years in the top-performing "A" group.
‡ For a full description of abbreviated biotech traits, see table 5.
§ All yields are adjusted to 13% moisture.
‖ Protein and Oil on a dry weight basis.
¶ Rated on a scale of 1 (none) to 5 (complete). No C.V. is calculated for traits rated on an ordinal scale.
Values highlighted in orange are above average, values highlighted in dark orange are in the upper 25%. MS

**Table A-14. Mean† yield and agronomic traits of 16 Maturity Group IV Late (4.5 - 4.9) E3 soybean varieties evaluated in small plot replicated trials at the Middle TN AgResearch and Education Center site in Spring Hill, TN during 2025.**

| Variety† | Herbicide Pkg‡ | Avg. Yield§ (bu/ac) | Moisture at Harvest (%) | Maturity (DAP) | Plant Height (in.) | Shattering¶ (1-5) | Leaf Holding¶ (1-5) |
|---|---|---|---|---|---|---|---|
| Pioneer P50Z95E* | E3 | 33 A | 12.8 B-E | 144 CD | 33 C-F | 1.0 | 2.0 |
| Pioneer P47Z15BE | E3 | 31 AB | 11.5 F-H | 136 DE | 36 A-C | 1.0 | 1.8 |
| USG 7486ETS | E3, STS | 30 AB | 14.0 A-C | 154 B | 34 C-E | 1.0 | 2.2 |
| Pioneer P49Z02E | E3 | 29 AB | 11.8 E-G | 136 DE | 32 D-F | 1.0 | 1.8 |
| USG 7494ETS | E3, STS | 28 AB | 12.6 D-G | 137 DE | 38 AB | 1.0 | 1.7 |
| Dyna-Gro S48ES56 | E3, STS | 28 AB | 12.9 B-E | 135 E | 34 C-E | 1.0 | 1.7 |
| Xitavo XO 4736E | E3 | 27 A-C | 14.1 AB | 152 BC | 38 AB | 1.0 | 2.0 |
| Innvictis B4744E | E3 | 27 A-D | 14.3 A | 179 A | 36 A-D | 1.2 | 1.3 |
| Revere 47-E74 | E3 | 26 A-D | 11.6 F-H | 136 DE | 33 C-F | 1.0 | 1.7 |
| Dyna-Gro S47ES36 | E3, STS | 26 A-E | 13.2 A-D | 148 BC | 32 EF | 1.0 | 1.8 |
| Xitavo XO 4894E | E3 | 26 B-E | 11.5 GH | 137 DE | 35 B-E | 1.0 | 1.8 |
| Progeny 4999E3S | E3S | 25 B-E | 12.1 D-G | 135 E | 39 A | 1.0 | 1.8 |
| Xitavo XO 4653E | E3 | 25 B-E | 13.1 A-D | 132 E | 35 B-E | 1.2 | 1.7 |
| Fortus 4665ES | E3 | 21 C-E | 10.4 H | 132 E | 32 EF | 1.2 | 1.8 |
| Revere CT4925E3S | E3, STS | 20 DE | 12.3 D-G | 136 DE | 30 F | 1.0 | 2.2 |
| USG 7466ETS | E3, STS | 20 E | 12.8 C-F | 133 E | 33 C-F | 1.7 | 1.7 |
| **Trial Average** | | **26** | **13** | **141** | **34** | **1.1** | **1.8** |
| **Trial Standard Error** | | **3** | **0** | **4** | **2** | **0.2** | **0.2** |
| **Trial L.S.D.$_{.05}$** | | **6** | **1** | **9** | **4** | **-** | **-** |
| **Trial C.V.** | | **15** | **6** | **4** | **6** | **-** | **-** |

† Varieties that have any MS letter in common are not significantly different at the 5% level of probability.
* Asterisks after a variety name indicate the number of preceding consecutive years in the top-performing "A" group.
‡ For a full description of abbreviated biotech traits, see table 5.
§ All yields are adjusted to 13% moisture.
ǁ Protein and Oil on a dry weight basis.
¶ Rated on a scale of 1 (none) to 5 (complete). No C.V. is calculated for traits rated on an ordinal scale.
Values highlighted in orange are above average, values highlighted in dark orange are in the upper 25%.
MS

**Table A-15. Mean† yield and agronomic traits of 28 Maturity Group IV Late / V Early (4.6 - 5.4) XF soybean varieties evaluated in small plot replicated trials at the Middle TN AgResearch and Education Center site in Spring Hill, TN during 2025.**

| Variety† | Herbicide Pkg‡ | Avg. Yield§ (bu/ac) | Moisture at Harvest (%) | Maturity (DAP) | Plant Height (in.) | Shattering¶ (1-5) | Leaf Holding¶ (1-5) |
|---|---|---|---|---|---|---|---|
| USG 7543XF | XF | 39 A | 14.8 B-D | 162 A-C | 36 A-D | 1.0 | 2.7 |
| Progeny 4947XFS | XF, STS | 31 B | 13.7 D-H | 157 B-E | 34 A-E | 1.0 | 2.0 |
| Great Heart GT-4791XFS | XF, STS | 31 BC | 14.0 D-G | 156 B-F | 36 A-D | 1.2 | 2.2 |
| Integra XF4875S | XF | 29 BC | 14.0 C-F | 152 B-I | 34 A-F | 1.0 | 2.3 |
| Revere 49-F36* | XF, STS | 29 B-D | 14.5 B-E | 166 AB | 36 A-C | 1.0 | 2.0 |
| Revere 47-F77 | XF, STS | 29 B-E | 12.9 F-K | 141 E-K | 34 A-E | 1.0 | 1.8 |
| Asgrow AG50XF5 | XF | 28 B-F | 13.6 D-I | 150 C-J | 32 D-F | 1.2 | 1.8 |
| Progeny 4824XF | XF, STS | 28 B-G | 12.6 H-L | 146 D-K | 35 A-E | 1.0 | 1.8 |
| Progeny 4842XFS | XF, STS | 27 B-G | 13.4 E-J | 139 H-K | 33 B-F | 1.0 | 2.3 |
| Dyna-Gro S48XF35 | XF | 27 B-H | 13.3 E-J | 140 F-K | 30 FG | 1.0 | 1.3 |
| Progeny 4724XFS | XF, STS | 26 B-I | 12.4 H-L | 140 G-K | 35 A-E | 1.0 | 1.5 |
| Progeny 5056XFS | XF, STS | 26 B-I | 15.5 AB | 177 A | 32 EF | 1.5 | 1.5 |
| Progeny 4604XFS | XF, STS | 26 B-I | 12.9 F-K | 154 B-H | 37 A | 1.2 | 1.3 |
| USG 7461XFS | XF, STS | 26 C-I | 12.5 H-L | 155 B-G | 35 A-E | 1.0 | 1.5 |
| USG 7476XF | XF | 24 D-J | 12.3 H-L | 143 E-K | 32 EF | 1.0 | 2.2 |
| USG 7487XFS | XF, STS | 24 D-J | 15.4 A-C | 160 B-D | 32 C-F | 1.5 | 1.7 |
| Asgrow AG49XF4 | XF, STS | 24 D-J | 12.8 F-K | 149 C-K | 32 C-F | 1.3 | 1.7 |
| Donmario DM 47F44S | XF, STS | 24 E-J | 12.7 G-L | 140 F-K | 34 A-F | 1.0 | 2.0 |
| Progeny 4848XF | XF | 23 F-J | 12.7 G-L | 138 I-K | 28 GH | 1.0 | 2.2 |
| Innvictis A4755XF | XF | 23 F-J | 16.5 A | 149 C-J | 30 FG | 1.0 | 2.5 |
| Innvictis A4642XF | XF | 23 G-J | 12.1 J-L | 136 JK | 36 AB | 1.0 | 1.8 |
| Innvictis A4924XF | XF | 23 G-J | 12.7 F-L | 143 E-K | 30 FG | 1.2 | 1.8 |
| Progeny 4623XF | XF | 23 G-J | 11.9 KL | 147 C-K | 32 C-F | 1.2 | 2.0 |
| USG 7495XFS | XF, STS | 22 H-J | 14.3 B-E | 156 B-E | 34 A-E | 1.0 | 2.2 |
| Progeny 4734XFS | XF, STS | 22 H-J | 11.4 L | 133 K | 33 C-F | 1.2 | 1.5 |
| Innvictis A4862XF | XF | 22 H-J | 12.8 F-K | 146 C-K | 31 E-G | 1.2 | 2.3 |
| Donmario DM 48F53 | XF | 21 IJ | 11.6 KL | 136 JK | 26 H | 1.2 | 2.0 |
| USG 7463XF | XF | 19 J | 12.3 I-L | 134 JK | 32 E-G | 1.0 | 1.7 |
| **Trial Average** | | **26** | **13** | **148** | **33** | **1.1** | **1.9** |
| **Trial Standard Error** | | **3** | **1** | **7** | **2** | **0.1** | **0.3** |
| **Trial L.S.D.$_{.05}$** | | **5** | **1** | **16** | **4** | **-** | **-** |
| **Trial C.V.** | | **12** | **6** | **7** | **7** | **-** | **-** |

† Varieties that have any MS letter in common are not significantly different at the 5% level of probability.
* Asterisks after a variety name indicate the number of preceding consecutive years in the top-performing "A" group.
‡ For a full description of abbreviated biotech traits, see table 5.
§ All yields are adjusted to 13% moisture.
‖ Protein and Oil on a dry weight basis.
¶ Rated on a scale of 1 (none) to 5 (complete). No C.V. is calculated for traits rated on an ordinal scale.
Values highlighted in orange are above average, values highlighted in dark orange are in the upper 25%. MS

**Table A-16. Mean† yield and agronomic traits of seven Maturity Group III (3.0 - 3.9) soybean varieties evaluated in small plot replicated trials at the Highland Rim AgResearch and Education Center irrigated site in Springfield, Tennessee during 2025.**

| Variety† | Herbicide Pkg‡ | Avg. Yield§ (bu/ac) | Moisture at Harvest (%) | Maturity (DAP) | Plant Height (in.) | Shattering¶ (1-5) |
|---|---|---|---|---|---|---|
| Dyna-Gro S38EN75* | E3 | 45 A | 13.2 A-C | 127 A | 27 B | 1.0 |
| Xitavo XO 3555E | E3 | 42 A | 11.0 D | 126 A | 25 C | 1.0 |
| Xitavo XO 3855E* | E3 | 42 A | 13.1 A-C | 127 A | 25 BC | 1.0 |
| Revere CT3933ES | E3, STS | 41 A | 13.3 AB | 127 A | 32 A | 1.2 |
| Xitavo XO 3655E | E3 | 41 A | 13.4 A | 127 A | 27 B | 1.0 |
| Xitavo XO 3956E | E3 | 39 A | 12.3 C | 127 A | 27 BC | 1.0 |
| Asgrow AG36XF4 | XF | 38 A | 12.4 BC | 127 A | 27 B | 1.3 |
| **Trial Average** | | **41** | **13** | **127** | **27** | **1.1** |
| **Trial Standard Error** | | **3** | **0** | **0** | **1** | **0.1** |
| **Trial L.S.D.$_{.05}$** | | **N.S.** | **1** | **N.S.** | **2** | **-** |
| **Trial C.V.** | | **10** | **5** | **1** | **4** | **-** |

† Varieties that have any MS letter in common are not significantly different at the 5% level of probability.
* Asterisks after a variety name indicate the number of preceding consecutive years in the top-performing "A" group.
‡ For a full description of abbreviated biotech traits, see table 5.
§ All yields are adjusted to 13% moisture.
ǁ Protein and Oil on a dry weight basis.
¶ Rated on a scale of 1 (none) to 5 (complete). No C.V. is calculated for traits rated on an ordinal scale.
Values highlighted in orange are above average, values highlighted in dark orange are in the upper 25%.
MS

**Table A-17. Mean† yield and agronomic traits of 13 Maturity Group IV Early (4.0 - 4.5) E3 soybean varieties evaluated in small plot replicated trials at the Highland Rim AgResearch and Education Center irrigated site in Springfield, Tennessee during 2025.**

| Variety† | Herbicide Pkg‡ | Avg. Yield§ (bu/ac) | Moisture at Harvest (%) | Maturity (DAP) | Plant Height (in.) |
|---|---|---|---|---|---|
| USG 7435ET | E3 | 48 A | 13.7 A | 130 BC | 30 AB |
| Pioneer P44Z67BE | E3 | 47 A | 12.2 CD | 131 AB | 31 AB |
| Pioneer P45Z75E* | E3 | 47 A | 12.2 D | 131 AB | 29 A-D |
| Revere 42-E22 | E3, STS | 45 A | 13.2 A-C | 131 A | 29 A-C |
| Innvictis B4553E | E3 | 44 A | 13.2 AB | 131 AB | 25 E-G |
| Xitavo XO 4255E | E3 | 44 A | 12.1 D | 128 D | 28 B-E |
| Xitavo XO 4566E | E3 | 44 A | 12.1 D | 131 AB | 29 A-C |
| Xitavo XO 4405E | E3 | 43 A | 11.9 D | 131 AB | 26 D-G |
| Xitavo XO 4056E | E3 | 42 A | 11.9 D | 128 D | 24 G |
| Great Heart GT-4655ES | E3 | 41 A | 14.0 A | 131 AB | 31 A |
| Pioneer P43Z44SE* | E3 | 40 A | 12.7 B-D | 129 CD | 27 C-F |
| Xitavo XO 4364E | E3 | 39 A | 12.1 D | 128 D | 27 C-G |
| Revere CT4413E3S | E3, STS | 36 A | 12.4 B-D | 130 AB | 24 FG |
| **Trial Average** | | **43** | **13** | **130** | **28** |
| **Trial Standard Error** | | **2** | **0** | **0** | **1** |
| **Trial L.S.D.$_{.05}$** | | **N.S.** | **1** | **1** | **3** |
| **Trial C.V.** | | **10** | **4** | **1** | **7** |

† Varieties that have any MS letter in common are not significantly different at the 5% level of probability.
* Asterisks after a variety name indicate the number of preceding consecutive years in the top-performing "A" group.
‡ For a full description of abbreviated biotech traits, see table 5.
§ All yields are adjusted to 13% moisture.
ǁ Protein and Oil on a dry weight basis.
¶ Rated on a scale of 1 (none) to 5 (complete). No C.V. is calculated for traits rated on an ordinal scale.
Values highlighted in orange are above average, values highlighted in dark orange are in the upper 25%.
MS

**Table A-18. Mean† yield and agronomic traits of eight Maturity Group IV Early (4.0 - 4.5) XF soybean varieties evaluated in small plot replicated trials at the Highland Rim AgResearch and Education Center irrigated site in Springfield, Tennessee during 2025.**

| Variety† | Herbicide Pkg‡ | Avg. Yield§ (bu/ac) | Moisture at Harvest (%) | Maturity (DAP) | Plant Height (in.) |
|---|---|---|---|---|---|
| Dyna-Gro S43XF85S | XF, STS | 47 A | 13.2 A | 131 A | 31 A |
| Innvictis A4564XF | XF | 45 A | 12.5 BC | 132 A | 35 A |
| Asgrow AG43XF5 | XF, STS | 44 A | 12.2 B-D | 132 A | 31 A |
| Innvictis A4534XF | XF | 43 A | 12.7 AB | 131 A | 31 A |
| Revere 45-F29 | XF, STS | 41 A | 12.0 CD | 131 A | 31 A |
| Great Heart GT-4538XFS | XF, STS | 40 A | 11.7 D | 131 A | 33 A |
| USG 7435XFS | XF, STS | 39 A | 12.7 AB | 132 A | 30 A |
| Innvictis A4411XF | XF | 37 A | 12.6 B | 131 A | 30 A |
| **Trial Average** | | **42** | **12** | **131** | **32** |
| **Trial Standard Error** | | **3** | **0** | **0** | **1** |
| **Trial L.S.D.$_{.05}$** | | **N.S.** | **1** | **N.S.** | **N.S.** |
| **Trial C.V.** | | **11** | **3** | **1** | **6** |

† Varieties that have any MS letter in common are not significantly different at the 5% level of probability.
* Asterisks after a variety name indicate the number of preceding consecutive years in the top-performing "A" group.
‡ For a full description of abbreviated biotech traits, see table 5.
§ All yields are adjusted to 13% moisture.
ǁ Protein and Oil on a dry weight basis.
¶ Rated on a scale of 1 (none) to 5 (complete). No C.V. is calculated for traits rated on an ordinal scale.
Values highlighted in orange are above average, values highlighted in dark orange are in the upper 25%. MS

**Table A-19. Mean† yield and agronomic traits of 16 Maturity Group IV Late (4.5 - 4.9) E3 soybean varieties evaluated in small plot replicated trials at the Highland Rim AgResearch and Education Center irrigated site in Springfield, Tennessee during 2025.**

| Variety† | Herbicide Pkg‡ | Avg. Yield§ (bu/ac) | Moisture at Harvest (%) | Maturity (DAP) | Plant Height (in.) |
|---|---|---|---|---|---|
| Pioneer P50Z95E* | E3 | 44 A | 10.9 FG | 136 A | 29 DE |
| Revere CT4925E3S | E3, STS | 42 AB | 12.4 A-C | 135 B-D | 26 E |
| USG 7466ETS | E3, STS | 41 A-C | 12.6 AB | 134 D | 30 B-E |
| Pioneer P49Z02E | E3 | 40 A-D | 11.5 D-G | 135 A-C | 31 A-D |
| Dyna-Gro S48ES56 | E3, STS | 38 A-E | 12.3 A-C | 135 B-D | 32 A-D |
| Dyna-Gro S47ES36 | E3, STS | 37 A-F | 12.3 A-C | 135 B-D | 29 C-E |
| Innvictis B4744E | E3 | 37 B-F | 10.7 G | 135 B-D | 30 B-E |
| Progeny 4999E3S | E3S | 36 B-F | 12.7 AB | 135 A-C | 33 A-C |
| Xitavo XO 4736E | E3 | 35 B-F | 13.1 A | 135 A-C | 34 A |
| USG 7494ETS | E3, STS | 34 B-F | 12.2 B-D | 134 CD | 34 AB |
| Xitavo XO 4653E | E3 | 34 C-F | 12.1 B-E | 134 D | 28 DE |
| USG 7486ETS | E3, STS | 34 C-F | 11.0 FG | 135 AB | 31 A-D |
| Pioneer P47Z15BE | E3 | 34 D-F | 10.7 G | 134 CD | 29 C-E |
| Revere 47-E74 | E3 | 33 D-F | 11.3 E-G | 135 B-D | 30 B-E |
| Xitavo XO 4894E | E3 | 32 EF | 11.7 C-F | 135 B-D | 32 A-D |
| Fortus 4665ES | E3 | 30 F | 12.2 B-D | 134 D | 26 E |
| **Trial Average** | | **36** | **12** | **135** | **30** |
| **Trial Standard Error** | | **3** | **0** | **0** | **2** |
| **Trial L.S.D.$_{.05}$** | | **7** | **1** | **1** | **4** |
| **Trial C.V.** | | **12** | **4** | **0** | **9** |

† Varieties that have any MS letter in common are not significantly different at the 5% level of probability.
* Asterisks after a variety name indicate the number of preceding consecutive years in the top-performing "A" group.
‡ For a full description of abbreviated biotech traits, see table 5.
§ All yields are adjusted to 13% moisture.
ǁ Protein and Oil on a dry weight basis.
¶ Rated on a scale of 1 (none) to 5 (complete). No C.V. is calculated for traits rated on an ordinal scale.
Values highlighted in orange are above average, values highlighted in dark orange are in the upper 25%.
MS

**Table A-20. Mean† yield and agronomic traits of 28 Maturity Group IV Late / V Early (4.6 - 5.4) XF soybean varieties evaluated in small plot replicated trials at the Highland Rim AgResearch and Education Center irrigated site in Springfield, Tennessee during 2025.**

| Variety† | Herbicide Pkg‡ | Avg. Yield§ (bu/ac) | Moisture at Harvest (%) | Maturity (DAP) | Plant Height (in.) |
|---|---|---|---|---|---|
| Asgrow AG49XF4 | XF, STS | 40 A | 11.0 F-K | 135 D | 30 A-E |
| USG 7461XFS | XF, STS | 37 AB | 11.5 B-G | 136 B-D | 33 A-C |
| Innvictis A4862XF | XF | 36 A-C | 10.9 G-K | 136 CD | 27 E-G |
| Asgrow AG50XF5 | XF | 35 A-C | 11.3 B-I | 136 B-D | 31 A-E |
| Innvictis A4642XF | XF | 35 A-C | 11.8 A-C | 135 D | 32 A-D |
| Progeny 4842XFS | XF, STS | 35 A-D | 10.6 KL | 136 CD | 33 AB |
| Revere 49-F36* | XF, STS | 34 A-D | 11.5 B-G | 137 A | 31 A-E |
| Progeny 4724XFS | XF, STS | 34 A-D | 11.9 AB | 135 CD | 33 A |
| Innvictis A4755XF | XF | 33 A-E | 10.1 L | 136 B-D | 27 E-G |
| Progeny 4824XF | XF, STS | 33 A-F | 11.5 B-G | 137 AB | 28 D-G |
| Integra XF4875S | XF | 33 A-F | 11.7 B-E | 137 AB | 29 A-G |
| Innvictis A4924XF | XF | 32 A-G | 10.9 G-K | 136 CD | 27 E-G |
| USG 7476XF | XF | 31 A-G | 11.2 C-J | 136 A-C | 30 A-F |
| Revere 47-F77 | XF, STS | 30 B-H | 10.7 J-L | 136 B-D | 31 A-E |
| Progeny 4623XF | XF | 30 B-H | 11.4 B-H | 135 CD | 28 D-G |
| Dyna-Gro S48XF35 | XF | 30 B-H | 10.9 H-K | 136 A-C | 26 F-H |
| USG 7487XFS | XF, STS | 30 B-H | 11.0 F-K | 135 D | 27 E-G |
| Progeny 4734XFS | XF, STS | 29 B-H | 10.8 I-K | 135 D | 27 E-G |
| USG 7463XF | XF | 29 B-H | 11.5 B-G | 135 CD | 30 A-G |
| Progeny 4947XFS | XF, STS | 29 B-H | 11.4 B-I | 137 A | 30 A-G |
| Donmario DM 47F44S | XF, STS | 29 B-H | 11.2 E-K | 136 CD | 30 A-G |
| Progeny 4604XFS | XF, STS | 28 C-H | 11.7 B-F | 135 CD | 29 A-G |
| Progeny 5056XFS | XF, STS | 28 C-H | 12.3 A | 136 B-D | 30 A-G |
| Donmario DM 48F53 | XF | 26 D-H | 11.2 D-J | 135 D | 22 H |
| USG 7495XFS | XF, STS | 25 E-H | 8.8 M | 136 CD | 29 A-G |
| Progeny 4848XF | XF | 24 F-H | 10.8 I-K | 135 CD | 25 GH |
| USG 7543XF | XF | 23 GH | 11.0 G-K | 137 A | 29 B-G |
| Great Heart GT-4791XFS | XF, STS | 22 H | 11.8 A-D | 137 AB | 28 C-G |
| **Trial Average** | | **31** | **11** | **136** | **29** |
| **Trial Standard Error** | | **3** | **0** | **0** | **2** |
| **Trial L.S.D.$_{.05}$** | | **9** | **1** | **1** | **4** |
| **Trial C.V.** | | **18** | **3** | **1** | **9** |

† Varieties that have any MS letter in common are not significantly different at the 5% level of probability.
* Asterisks after a variety name indicate the number of preceding consecutive years in the top-performing "A" group.
‡ For a full description of abbreviated biotech traits, see table 5.
§ All yields are adjusted to 13% moisture.
‖ Protein and Oil on a dry weight basis.
¶ Rated on a scale of 1 (none) to 5 (complete). No C.V. is calculated for traits rated on an ordinal scale.
Values highlighted in orange are above average, values highlighted in dark orange are in the upper 25%.
MS

**Table A-21. Mean† yield and agronomic traits of seven Maturity Group III (3.0 - 3.9) soybean varieties evaluated in small plot replicated trials at the Highland Rim AgResearch and Education Center non-irrigated site in Springfield, Tennessee during 2025.**

| Variety† | Herbicide Pkg‡ | Maturity (DAP) | Plant Height (in.) | Lodging¶ (1-5) | Leaf Holding¶ (1-5) |
|---|---|---|---|---|---|
| Asgrow AG36XF4 | XF | 134 A | 21 A | 0.0 | 1.7 |
| Dyna-Gro S38EN75* | E3 | 133 A | 21 A | 0.0 | 1.3 |
| Revere CT3933ES | E3, STS | 133 A | 24 A | 0.0 | 1.2 |
| Xitavo XO 3555E | E3 | 134 A | 20 A | 0.0 | 1.5 |
| Xitavo XO 3655E | E3 | 134 A | 20 A | 0.0 | 1.2 |
| Xitavo XO 3855E* | E3 | 133 A | 20 A | 0.0 | 1.2 |
| Xitavo XO 3956E | E3 | 132 A | 22 A | 0.0 | 1.0 |
| **Trial Average** | | **133** | **21** | **0.0** | **1.3** |
| **Trial Standard Error** | | **0** | **1** | **0.0** | **0.2** |
| **Trial L.S.D.$_{.05}$** | | **N.S.** | **N.S.** | **-** | **-** |
| **Trial C.V.** | | **0** | **9** | **-** | **-** |

† Varieties that have any MS letter in common are not significantly different at the 5% level of probability.
* Asterisks after a variety name indicate the number of preceding consecutive years in the top-performing "A" group.
‡ For a full description of abbreviated biotech traits, see table 5.
§ All yields are adjusted to 13% moisture.
ǁ Protein and Oil on a dry weight basis.
¶ Rated on a scale of 1 (none) to 5 (complete). No C.V. is calculated for traits rated on an ordinal scale.
Values highlighted in orange are above average, values highlighted in dark orange are in the upper 25%. MS letters highlighted in dark orange are in the "A group", indicating no statistical difference from the top-performing variety, for a given trait.

**Table A-22. Mean† yield and agronomic traits of 13 Maturity Group IV Early (4.0 - 4.5) E3 soybean varieties evaluated in small plot replicated trials at the Highland Rim AgResearch and Education Center non-irrigated site in Springfield, Tennessee during 2025.**

| Variety† | Herbicide Pkg‡ | Avg. Yield§ (bu/ac) | Moisture at Harvest (%) | Maturity (DAP) | Plant Height (in.) |
|---|---|---|---|---|---|
| Pioneer P44Z67BE | E3 | 27 A | 11.6 DE | 135 A | 27 A |
| Revere 42-E22 | E3, STS | 26 A | 12.6 A-C | 136 A | 24 A-C |
| USG 7435ET | E3 | 24 A | 12.6 A-C | 137 A | 24 A-C |
| Pioneer P45Z75E* | E3 | 24 A | 12.0 C-E | 136 A | 25 AB |
| Innvictis B4553E | E3 | 21 A | 13.4 A | 137 A | 21 C-F |
| Xitavo XO 4566E | E3 | 21 A | 12.0 C-E | 135 A | 23 B-D |
| Xitavo XO 4255E | E3 | 19 A | 12.2 B-D | 134 A | 22 B-E |
| Pioneer P43Z44SE* | E3 | 19 A | 12.2 B-D | 135 A | 20 D-F |
| Great Heart GT-4655ES | E3 | 18 A | 12.9 AB | 135 A | 23 B-D |
| Revere CT4413E3S | E3, STS | 17 A | 13.0 AB | 135 A | 19 F |
| Xitavo XO 4405E | E3 | 17 A | 11.5 DE | 136 A | 21 D-F |
| Xitavo XO 4056E | E3 | 17 A | 12.7 A-C | 136 A | 19 EF |
| Xitavo XO 4364E | E3 | 17 A | 11.3 E | 134 A | 21 C-F |
| **Trial Average** | | **20** | **12** | **136** | **22** |
| **Trial Standard Error** | | **4** | **0** | **1** | **1** |
| **Trial L.S.D.$_{.05}$** | | **N.S.** | **1** | **N.S.** | **3** |
| **Trial C.V.** | | **22** | **4** | **1** | **9** |

† Varieties that have any MS letter in common are not significantly different at the 5% level of probability.
* Asterisks after a variety name indicate the number of preceding consecutive years in the top-performing "A" group.
‡ For a full description of abbreviated biotech traits, see table 5.
§ All yields are adjusted to 13% moisture.
ǁ Protein and Oil on a dry weight basis.
¶ Rated on a scale of 1 (none) to 5 (complete). No C.V. is calculated for traits rated on an ordinal scale.
Values highlighted in orange are above average, values highlighted in dark orange are in the upper 25%.
MS

**Table A-23. Mean† yield and agronomic traits of eight Maturity Group IV Early (4.0 - 4.5) XF soybean varieties evaluated in small plot replicated trials at the Highland Rim AgResearch and Education Center non-irrigated site in Springfield, Tennessee during 2025.**

| Variety† | Herbicide Pkg‡ | Avg. Yield§ (bu/ac) | Moisture at Harvest (%) | Maturity (DAP) | Plant Height (in.) |
|---|---|---|---|---|---|
| Innvictis A4564XF | XF | 24 A | 11.8 D | 137 A | 28 A |
| Revere 45-F29 | XF, STS | 23 A | 12.4 A-D | 136 A | 25 A-C |
| USG 7435XFS | XF, STS | 23 A | 13.1 AB | 136 A | 23 A-D |
| Innvictis A4534XF | XF | 22 A | 13.2 A | 137 A | 23 B-D |
| Great Heart GT-4538XFS | XF, STS | 18 A | 12.2 B-D | 138 A | 27 AB |
| Asgrow AG43XF5 | XF, STS | 18 A | 12.2 CD | 138 A | 19 D |
| Dyna-Gro S43XF85S | XF, STS | 16 A | 13.3 A | 138 A | 22 CD |
| Innvictis A4411XF | XF | 16 A | 12.9 A-C | 136 A | 27 AB |
| **Trial Average** | | **20** | **13** | **137** | **24** |
| **Trial Standard Error** | | **6** | **0** | **1** | **2** |
| **Trial L.S.D.$_{.05}$** | | **N.S.** | **1** | **N.S.** | **5** |
| **Trial C.V.** | | **33** | **4** | **1** | **11** |

† Varieties that have any MS letter in common are not significantly different at the 5% level of probability.
* Asterisks after a variety name indicate the number of preceding consecutive years in the top-performing "A" group.
‡ For a full description of abbreviated biotech traits, see table 5.
§ All yields are adjusted to 13% moisture.
ǁ Protein and Oil on a dry weight basis.
¶ Rated on a scale of 1 (none) to 5 (complete). No C.V. is calculated for traits rated on an ordinal scale.
Values highlighted in orange are above average, values highlighted in dark orange are in the upper 25%. MS

**Table A-24. Mean† yield and agronomic traits of 16 Maturity Group IV Late (4.5 - 4.9) E3 soybean varieties evaluated in small plot replicated trials at the Highland Rim AgResearch and Education Center non-irrigated site in Springfield, Tennessee during 2025.**

| Variety† | Herbicide Pkg‡ | Avg. Yield§ (bu/ac) | Moisture at Harvest (%) | Maturity (DAP) | Plant Height (in.) |
|---|---|---|---|---|---|
| Revere 47-E74 | E3 | 29 A | 12.0 B-D | 137 D | 26 A-D |
| USG 7486ETS | E3, STS | 28 A | 12.1 B-D | 140 A | 30 A |
| USG 7466ETS | E3, STS | 28 A | 12.2 B | 137 D | 27 A-D |
| Pioneer P47Z15BE | E3 | 27 A | 11.5 DE | 137 D | 27 A-D |
| Xitavo XO 4894E | E3 | 26 A | 12.2 B | 137 D | 28 AB |
| Xitavo XO 4736E | E3 | 25 A | 12.9 A | 138 B-D | 28 AB |
| Revere CT4925E3S | E3, STS | 24 A | 12.1 BC | 137 D | 24 B-D |
| Pioneer P49Z02E | E3 | 24 A | 11.3 E | 138 B-D | 22 D |
| Innvictis B4744E | E3 | 24 A | 11.5 C-E | 139 A-C | 27 A-C |
| Dyna-Gro S48ES56 | E3, STS | 24 A | 12.3 AB | 139 A-C | 24 B-D |
| Progeny 4999E3S | E3S | 23 A | 12.0 B-D | 138 CD | 27 A-D |
| USG 7494ETS | E3, STS | 23 A | 12.2 B | 138 B-D | 27 A-C |
| Pioneer P50Z95E* | E3 | 22 A | 11.5 C-E | 139 AB | 24 B-D |
| Fortus 4665ES | E3 | 21 A | 12.4 AB | 137 D | 24 B-D |
| Dyna-Gro S47ES36 | E3, STS | 19 A | 12.5 AB | 137 D | 22 D |
| Xitavo XO 4653E | E3 | 19 A | 12.6 AB | 137 D | 23 CD |
| **Trial Average** | | **24** | **12** | **138** | **26** |
| **Trial Standard Error** | | **7** | **0** | **0** | **2** |
| **Trial L.S.D.$_{.05}$** | | **N.S.** | **1** | **1** | **4** |
| **Trial C.V.** | | **29** | **3** | **1** | **10** |

† Varieties that have any MS letter in common are not significantly different at the 5% level of probability.
* Asterisks after a variety name indicate the number of preceding consecutive years in the top-performing "A" group.
‡ For a full description of abbreviated biotech traits, see table 5.
§ All yields are adjusted to 13% moisture.
ǁ Protein and Oil on a dry weight basis.
¶ Rated on a scale of 1 (none) to 5 (complete). No C.V. is calculated for traits rated on an ordinal scale.
Values highlighted in orange are above average, values highlighted in dark orange are in the upper 25%.
MS

**Table A-25. Mean† yield and agronomic traits of 28 Maturity Group IV Late / V Early (4.6 - 5.4) XF soybean varieties evaluated in small plot replicated trials at the Highland Rim AgResearch and Education Center non-irrigated site in Springfield, Tennessee during 2025.**

| Variety† | Herbicide Pkg‡ | Avg. Yield§ (bu/ac) | Moisture at Harvest (%) | Maturity (DAP) | Plant Height (in.) |
|---|---|---|---|---|---|
| Revere 47-F77 | XF, STS | 26 A | 12.1 B-F | 138 G-K | 28 AB |
| Progeny 4824XF | XF, STS | 25 A | 11.9 B-F | 139 E-I | 26 A-D |
| Progeny 4724XFS | XF, STS | 24 A | 11.9 B-F | 138 I-K | 27 A-C |
| Donmario DM 48F53 | XF | 23 A | 11.4 F | 137 JK | 21 HI |
| Innvictis A4862XF | XF | 23 A | 12.0 B-F | 139 D-H | 23 D-H |
| Progeny 4947XFS | XF, STS | 23 A | 12.3 B-E | 142 A | 25 A-F |
| Revere 49-F36* | XF, STS | 22 A | 12.3 B-D | 141 AB | 26 A-E |
| Progeny 4842XFS | XF, STS | 22 A | 11.7 C-F | 139 E-I | 28 A |
| Progeny 4734XFS | XF, STS | 22 A | 11.5 EF | 138 H-K | 25 A-F |
| USG 7461XFS | XF, STS | 22 A | 12.1 B-F | 139 D-H | 25 A-G |
| USG 7495XFS | XF, STS | 21 A | 10.4 G | 138 G-K | 25 A-F |
| Progeny 4604XFS | XF, STS | 21 A | 11.7 D-F | 139 E-I | 25 A-F |
| Great Heart GT-4791XFS | XF, STS | 21 A | 12.2 B-E | 141 A-C | 26 A-E |
| Integra XF4875S | XF | 21 A | 12.5 BC | 141 AB | 24 C-H |
| Progeny 5056XFS | XF, STS | 20 A | 13.4 A | 140 B-F | 21 HI |
| Asgrow AG49XF4 | XF, STS | 19 A | 11.9 B-F | 138 H-K | 23 D-I |
| USG 7476XF | XF | 19 A | 12.2 B-F | 140 B-E | 25 A-G |
| USG 7487XFS | XF, STS | 19 A | 11.7 D-F | 140 B-E | 24 A-H |
| Donmario DM 47F44S | XF, STS | 18 A | 12.3 B-E | 139 F-J | 25 A-F |
| Dyna-Gro S48XF35 | XF | 17 A | 12.1 B-F | 141 A-D | 19 I |
| USG 7543XF | XF | 17 A | 14.0 A | 142 A | 23 D-I |
| Innvictis A4642XF | XF | 17 A | 12.0 B-F | 137 JK | 24 A-H |
| Innvictis A4924XF | XF | 17 A | 11.6 D-F | 139 E-I | 24 B-H |
| USG 7463XF | XF | 16 A | 12.2 B-F | 138 G-K | 24 C-H |
| Asgrow AG50XF5 | XF | 16 A | 12.6 B | 140 C-G | 22 E-I |
| Innvictis A4755XF | XF | 15 A | 11.8 C-F | 140 B-F | 22 F-I |
| Progeny 4848XF | XF | 14 A | 11.8 C-F | 137 K | 21 HI |
| Progeny 4623XF | XF | 13 A | 11.7 D-F | 138 G-K | 21 G-I |
| **Trial Average** | | **20** | **12** | **139** | **24** |
| **Trial Standard Error** | | **5** | **0** | **1** | **2** |
| **Trial L.S.D.$_{.05}$** | | **N.S.** | **1** | **1** | **4** |
| **Trial C.V.** | | **23** | **4** | **1** | **10** |

† Varieties that have any MS letter in common are not significantly different at the 5% level of probability.
* Asterisks after a variety name indicate the number of preceding consecutive years in the top-performing "A" group.
‡ For a full description of abbreviated biotech traits, see table 5.
§ All yields are adjusted to 13% moisture.
‖ Protein and Oil on a dry weight basis.
¶ Rated on a scale of 1 (none) to 5 (complete). No C.V. is calculated for traits rated on an ordinal scale.
Values highlighted in orange are above average, values highlighted in dark orange are in the upper 25%.
MS

**Table A-26. Mean† yield and agronomic traits of seven Maturity Group III (3.0 - 3.9) soybean varieties evaluated in small plot replicated trials at the Milan AgResearch and Education Center irrigated site in Milan, TN during 2025.**

| Variety† | Herbicide Pkg‡ | Avg. Yield§ (bu/ac) | Moisture at Harvest (%) | Maturity (DAP) | Plant Height (in.) |
|---|---|---|---|---|---|
| Xitavo XO 3855E* | E3 | 66 A | 10.8 A-C | 131 A | 31 A |
| Xitavo XO 3956E | E3 | 63 A | 10.6 B-D | 130 AB | 31 A |
| Dyna-Gro S38EN75* | E3 | 61 A | 11.0 AB | 130 AB | 30 A |
| Revere CT3933ES | E3, STS | 59 A | 11.3 A | 132 A | 33 A |
| Asgrow AG36XF4 | XF | 56 A | 11.3 A | 127 BC | 30 A |
| Xitavo XO 3555E | E3 | 54 A | 10.1 D | 129 AB | 27 A |
| Xitavo XO 3655E | E3 | 53 A | 10.3 CD | 125 C | 29 A |
| **Trial Average** | | **59** | **11** | **129** | **30** |
| **Trial Standard Error** | | **4** | **0** | **1** | **1** |
| **Trial L.S.D.$_{.05}$** | | **N.S.** | **1** | **3** | **N.S.** |
| **Trial C.V.** | | **11** | **3** | **1** | **6** |

† Varieties that have any MS letter in common are not significantly different at the 5% level of probability.
* Asterisks after a variety name indicate the number of preceding consecutive years in the top-performing "A" group.
‡ For a full description of abbreviated biotech traits, see table 5.
§ All yields are adjusted to 13% moisture.
‖ Protein and Oil on a dry weight basis.
¶ Rated on a scale of 1 (none) to 5 (complete). No C.V. is calculated for traits rated on an ordinal scale.
Values highlighted in orange are above average, values highlighted in dark orange are in the upper 25%.
MS

**Table A-27. Mean† yield and agronomic traits of 13 Maturity Group IV Early (4.0 - 4.5) E3 soybean varieties evaluated in small plot replicated trials at the Milan AgResearch and Education Center irrigated site in Milan, TN during 2025.**

| Variety† | Herbicide Pkg‡ | Avg. Yield§ (bu/ac) | | Moisture at Harvest (%) | | Maturity (DAP) | | Plant Height (in.) | | Lodging¶ (1-5) |
|---|---|---|---|---|---|---|---|---|---|---|
| Pioneer P43Z44SE* | E3 | 78 | A | 10.9 | A-D | 133 | CD | 38 | A-C | 1.0 |
| Pioneer P44Z67BE | E3 | 77 | A | 10.9 | A-D | 134 | BC | 40 | AB | 1.3 |
| Xitavo XO 4056E | E3 | 76 | A | 10.5 | C-E | 131 | E | 31 | D | 1.0 |
| USG 7435ET | E3 | 76 | A | 10.7 | B-E | 135 | B | 38 | A-C | 1.0 |
| Revere 42-E22 | E3, STS | 75 | A | 11.1 | AB | 135 | B | 37 | BC | 1.0 |
| Xitavo XO 4405E | E3 | 74 | A | 10.3 | E | 137 | A | 40 | A-C | 1.3 |
| Xitavo XO 4566E | E3 | 74 | A | 10.4 | DE | 134 | BC | 42 | A | 1.0 |
| Innvictis B4553E | E3 | 71 | A | 10.9 | A-D | 133 | CD | 39 | A-C | 1.3 |
| Xitavo XO 4364E | E3 | 71 | A | 10.8 | A-E | 132 | DE | 37 | BC | 1.0 |
| Great Heart GT-4655ES | E3 | 69 | A | 11.3 | A | 135 | B | 42 | A | 1.3 |
| Pioneer P45Z75E* | E3 | 69 | A | 11.0 | A-C | 135 | B | 42 | A | 1.3 |
| Xitavo XO 4255E | E3 | 69 | A | 10.3 | E | 132 | DE | 39 | A-C | 1.3 |
| Revere CT4413E3S | E3, STS | 67 | A | 10.7 | B-E | 134 | BC | 36 | C | 1.0 |
| **Trial Average** | | **73** | | **11** | | **134** | | **38** | | **1.2** |
| **Trial Standard Error** | | **4** | | **0** | | **1** | | **1** | | **0.2** |
| **Trial L.S.D.$_{.05}$** | | **N.S.** | | **1** | | **2** | | **4** | | **-** |
| **Trial C.V.** | | **8** | | **3** | | **1** | | **6** | | **-** |

† Varieties that have any MS letter in common are not significantly different at the 5% level of probability.
* Asterisks after a variety name indicate the number of preceding consecutive years in the top-performing "A" group.
‡ For a full description of abbreviated biotech traits, see table 5.
§ All yields are adjusted to 13% moisture.
‖ Protein and Oil on a dry weight basis.
¶ Rated on a scale of 1 (none) to 5 (complete). No C.V. is calculated for traits rated on an ordinal scale.
Values highlighted in orange are above average, values highlighted in dark orange are in the upper 25%. MS letters highlighted in dark orange are in the "A group", indicating no statistical difference from the top-performing variety, for a given trait.

**Table A-28. Mean† yield and agronomic traits of eight Maturity Group IV Early (4.0 - 4.5) XF soybean varieties evaluated in small plot replicated trials at the Milan AgResearch and Education Center irrigated site in Milan, TN during 2025.**

| Variety† | Herbicide Pkg‡ | Avg. Yield§ (bu/ac) | Moisture at Harvest (%) | Maturity (DAP) | Plant Height (in.) | Lodging¶ (1-5) |
|---|---|---|---|---|---|---|
| Revere 45-F29 | XF, STS | 77 A | 10.3 A | 135 B | 44 BC | 1.0 |
| Asgrow AG43XF5 | XF, STS | 76 A | 10.4 A | 136 B | 41 CD | 1.0 |
| Innvictis A4534XF | XF | 71 AB | 10.3 A | 135 B | 45 AB | 1.7 |
| Dyna-Gro S43XF85S | XF, STS | 70 AB | 10.6 A | 135 B | 43 B-D | 1.3 |
| USG 7435XFS | XF, STS | 68 BC | 10.2 A | 135 B | 41 D | 1.3 |
| Innvictis A4411XF | XF | 66 BC | 10.9 A | 135 B | 41 D | 1.7 |
| Great Heart GT-4538XFS | XF, STS | 65 BC | 10.5 A | 135 B | 46 AB | 2.0 |
| Innvictis A4564XF | XF | 63 C | 10.4 A | 139 A | 47 A | 2.7 |
| **Trial Average** | | **69** | **10** | **136** | **43** | **1.6** |
| **Trial Standard Error** | | **2** | **0** | **1** | **1** | **0.6** |
| **Trial L.S.D.$_{.05}$** | | **7** | **N.S.** | **2** | **3** | **-** |
| **Trial C.V.** | | **6** | **5** | **1** | **4** | **-** |

† Varieties that have any MS letter in common are not significantly different at the 5% level of probability.
* Asterisks after a variety name indicate the number of preceding consecutive years in the top-performing "A" group.
‡ For a full description of abbreviated biotech traits, see table 5.
§ All yields are adjusted to 13% moisture.
ǁ Protein and Oil on a dry weight basis.
¶ Rated on a scale of 1 (none) to 5 (complete). No C.V. is calculated for traits rated on an ordinal scale.
Values highlighted in orange are above average, values highlighted in dark orange are in the upper 25%. MS letters highlighted in dark orange are in the "A group", indicating no statistical difference from the top-performing variety, for a given trait.

**Table A-29. Mean† yield and agronomic traits of 16 Maturity Group IV Late (4.5 - 4.9) E3 soybean varieties evaluated in small plot replicated trials at the Milan AgResearch and Education Center irrigated site in Milan, TN during 2025.**

| Variety† | Herbicide Pkg‡ | Avg. Yield§ (bu/ac) | Moisture at Harvest (%) | Maturity (DAP) | Plant Height (in.) | Lodging¶ (1-5) |
|---|---|---|---|---|---|---|
| Pioneer P50Z95E* | E3 | 76 A | 12.6 FG | 140 A | 43 A-C | 1.0 |
| Revere 47-E74 | E3 | 75 A | 12.9 E-G | 136 CD | 38 C | 2.0 |
| Dyna-Gro S48ES56 | E3, STS | 70 AB | 13.3 C-F | 136 D | 46 AB | 2.2 |
| Progeny 4999E3S | E3S | 69 AB | 13.7 A-D | 136 B-D | 47 AB | 2.0 |
| Dyna-Gro S47ES36 | E3, STS | 69 AB | 14.1 AB | 136 CD | 43 AB | 1.3 |
| Revere CT4925E3S | E3, STS | 68 A-C | 13.1 D-G | 139 AB | 44 AB | 1.3 |
| USG 7466ETS | E3, STS | 68 A-D | 13.5 B-E | 136 CD | 43 AB | 1.3 |
| Xitavo XO 4653E | E3 | 66 A-E | 14.4 A | 136 CD | 45 AB | 1.5 |
| Pioneer P49Z02E | E3 | 66 A-E | 12.7 FG | 136 D | 43 A-C | 1.0 |
| Pioneer P47Z15BE | E3 | 66 A-E | 12.9 D-G | 137 B-D | 42 BC | 1.2 |
| Fortus 4665ES | E3 | 64 B-E | 14.0 A-C | 135 D | 43 AB | 1.3 |
| USG 7494ETS | E3, STS | 63 B-E | 13.9 A-C | 138 A-C | 45 AB | 1.7 |
| Xitavo XO 4736E | E3 | 62 B-E | 14.1 AB | 138 A-C | 47 A | 3.2 |
| Innvictis B4744E | E3 | 58 C-E | 12.4 G | 139 AB | 43 AB | 3.0 |
| Xitavo XO 4894E | E3 | 58 DE | 13.5 B-E | 137 B-D | 45 AB | 2.0 |
| USG 7486ETS | E3, STS | 57 E | 13.2 C-F | 140 A | 47 A | 3.2 |
| **Trial Average** | | **66** | **13** | **137** | **44** | **1.8** |
| **Trial Standard Error** | | **4** | **0** | **1** | **2** | **0.7** |
| **Trial L.S.D.$_{.05}$** | | **11** | **1** | **3** | **5** | **-** |
| **Trial C.V.** | | **10** | **3** | **1** | **6** | **-** |

† Varieties that have any MS letter in common are not significantly different at the 5% level of probability.
* Asterisks after a variety name indicate the number of preceding consecutive years in the top-performing "A" group.
‡ For a full description of abbreviated biotech traits, see table 5.
§ All yields are adjusted to 13% moisture.
‖ Protein and Oil on a dry weight basis.
¶ Rated on a scale of 1 (none) to 5 (complete). No C.V. is calculated for traits rated on an ordinal scale.
Values highlighted in orange are above average, values highlighted in dark orange are in the upper 25%. MS letters highlighted in dark orange are in the "A group", indicating no statistical difference from the top-performing variety, for a

**Table A-30. Mean† yield and agronomic traits of 28 Maturity Group IV Late / V Early (4.6 - 5.4) XF soybean varieties evaluated in small plot replicated trials at the Milan AgResearch and Education Center irrigated site in Milan, TN during 2025.**

| Variety† | Herbicide Pkg‡ | Avg. Yield§ (bu/ac) | Moisture at Harvest (%) | Maturity (DAP) | Plant Height (in.) | Lodging¶ (1-5) |
|---|---|---|---|---|---|---|
| USG 7476XF | XF | 87 A | 12.9 A | 140 D-G | 47 D-G | 1.8 |
| Progeny 4824XF | XF, STS | 83 AB | 12.9 A | 138 F-I | 52 A | 1.2 |
| Dyna-Gro S48XF35 | XF | 81 A-C | 12.1 A | 139 D-G | 47 D-H | 1.7 |
| Revere 49-F36* | XF, STS | 80 A-D | 13.0 A | 140 C-G | 50 A-E | 2.0 |
| USG 7543XF | XF | 78 A-E | 12.9 A | 152 A | 50 A-E | 1.6 |
| Asgrow AG49XF4 | XF, STS | 78 A-E | 12.6 A | 139 E-H | 50 A-E | 1.8 |
| Great Heart GT-4791XFS | XF, STS | 75 B-F | 12.4 A | 141 B-E | 49 A-F | 1.8 |
| Innvictis A4862XF | XF | 75 B-F | 12.1 A | 141 B-E | 45 F-I | 1.7 |
| USG 7495XFS | XF, STS | 74 B-G | 12.0 A | 143 B | 51 AB | 2.5 |
| Innvictis A4924XF | XF | 74 B-G | 12.0 A | 137 H-K | 46 E-I | 1.3 |
| Innvictis A4755XF | XF | 74 B-G | 11.9 A | 139 E-H | 45 F-I | 1.2 |
| Integra XF4875S | XF | 73 C-G | 12.8 A | 142 B-D | 50 A-E | 2.5 |
| Progeny 4947XFS | XF, STS | 72 C-G | 12.5 A | 140 B-G | 47 D-G | 2.2 |
| Donmario DM 47F44S | XF, STS | 72 C-G | 12.5 A | 139 E-H | 49 A-F | 1.7 |
| Progeny 4623XF | XF | 71 C-G | 12.2 A | 139 D-G | 43 I | 1.2 |
| Progeny 4734XFS | XF, STS | 71 C-G | 12.7 A | 136 JK | 48 B-F | 3.3 |
| Asgrow AG50XF5 | XF | 70 D-G | 12.7 A | 140 B-G | 47 D-G | 1.5 |
| USG 7463XF | XF | 70 D-G | 12.5 A | 135 K | 47 C-G | 1.2 |
| USG 7487XFS | XF, STS | 69 E-G | 11.9 A | 139 D-G | 43 HI | 1.0 |
| Revere 47-F77 | XF, STS | 68 E-G | 12.5 A | 139 E-H | 50 A-D | 3.0 |
| Donmario DM 48F53 | XF | 68 E-G | 12.5 A | 137 H-K | 38 J | 1.0 |
| Innvictis A4642XF | XF | 67 FG | 12.5 A | 136 I-K | 49 A-F | 1.7 |
| Progeny 4724XFS | XF, STS | 66 FG | 12.8 A | 141 B-F | 50 A-D | 3.7 |
| Progeny 4604XFS | XF, STS | 66 FG | 12.1 A | 138 G-J | 51 A-C | 1.7 |
| Progeny 5056XFS | XF, STS | 66 FG | 12.6 A | 142 BC | 51 AB | 2.8 |
| USG 7461XFS | XF, STS | 65 FG | 12.3 A | 139 D-G | 52 A | 2.0 |
| Progeny 4842XFS | XF, STS | 65 FG | 12.3 A | 139 E-H | 52 A | 3.5 |
| Progeny 4848XF | XF | 64 G | 12.7 A | 137 H-K | 44 G-I | 1.0 |
| **Trial Average** | | **72** | **12** | **140** | **48** | **1.9** |
| **Trial Standard Error** | | **4** | **0** | **1** | **2** | **0.8** |
| **Trial L.S.D.$_{.05}$** | | **10** | **N.S.** | **2** | **4** | **-** |
| **Trial C.V.** | | **9** | **4** | **1** | **5** | **-** |

† Varieties that have any MS letter in common are not significantly different at the 5% level of probability.
* Asterisks after a variety name indicate the number of preceding consecutive years in the top-performing "A" group.
‡ For a full description of abbreviated biotech traits, see table 5.
§ All yields are adjusted to 13% moisture.
‖ Protein and Oil on a dry weight basis.
¶ Rated on a scale of 1 (none) to 5 (complete). No C.V. is calculated for traits rated on an ordinal scale.
Values highlighted in orange are above average, values highlighted in dark orange are in the upper 25%. MS letters highlighted in dark orange are in the "A group", indicating no statistical difference from the top-performing variety, for a given trait.

**Table A-31. Mean† yield and agronomic traits of seven Maturity Group III (3.0 - 3.9) soybean varieties evaluated in small plot replicated trials at the Milan AgResearch and Education Center non-irrigated site in Milan, TN during 2025.**

| Variety† | Herbicide Pkg‡ | Avg. Yield§ (bu/ac) | Moisture at Harvest (%) | Maturity (DAP) | Plant Height (in.) |
|---|---|---|---|---|---|
| Xitavo XO 3555E | E3 | 46 A | 11.5 A | 117 D | 34 D |
| Xitavo XO 3956E | E3 | 44 A | 12.8 A | 120 A-D | 40 BC |
| Xitavo XO 3855E* | E3 | 43 A | 12.5 A | 121 A-C | 35 CD |
| Dyna-Gro S38EN75* | E3 | 41 AB | 12.0 A | 122 AB | 42 AB |
| Asgrow AG36XF4 | XF | 34 BC | 11.8 A | 119 B-D | 41 AB |
| Revere CT3933ES | E3, STS | 34 BC | 11.3 A | 122 A | 44 A |
| Xitavo XO 3655E | E3 | 33 C | 10.7 A | 118 CD | 37 B-D |
| **Trial Average** | | **40** | **12** | **120** | **39** |
| **Trial Standard Error** | | **3** | **1** | **1** | **2** |
| **Trial L.S.D.$_{.05}$** | | **8** | **N.S.** | **3** | **5** |
| **Trial C.V.** | | **11** | **13** | **2** | **7** |

† Varieties that have any MS letter in common are not significantly different at the 5% level of probability.
* Asterisks after a variety name indicate the number of preceding consecutive years in the top-performing "A" group.
‡ For a full description of abbreviated biotech traits, see table 5.
§ All yields are adjusted to 13% moisture.
‖ Protein and Oil on a dry weight basis.
¶ Rated on a scale of 1 (none) to 5 (complete). No C.V. is calculated for traits rated on an ordinal scale.
Values highlighted in orange are above average, values highlighted in dark orange are in the upper 25%.
MS

**Table A-32. Mean† yield and agronomic traits of 13 Maturity Group IV Early (4.0 - 4.5) E3 soybean varieties evaluated in small plot replicated trials at the Milan AgResearch and Education Center non-irrigated site in Milan, TN during 2025.**

| Variety† | Herbicide Pkg‡ | Avg. Yield§ (bu/ac) | Moisture at Harvest (%) | Maturity (DAP) | Plant Height (in.) | Lodging¶ (1-5) |
|---|---|---|---|---|---|---|
| Pioneer P45Z75E* | E3 | 57 A | 10.3 D | 129 CD | 51 A | 1.3 |
| Revere 42-E22 | E3, STS | 53 A | 12.6 AB | 131 BC | 44 CD | 1.0 |
| Xitavo XO 4056E | E3 | 52 A | 11.1 B-D | 123 G | 38 F | 1.0 |
| Revere CT4413E3S | E3, STS | 49 A | 11.6 B-D | 133 AB | 41 D-F | 1.0 |
| Pioneer P43Z44SE* | E3 | 49 A | 11.5 B-D | 126 EF | 40 EF | 1.0 |
| Innvictis B4553E | E3 | 48 A | 11.2 B-D | 130 C | 45 BC | 1.0 |
| Xitavo XO 4255E | E3 | 47 A | 11.7 B-D | 125 FG | 42 C-E | 1.0 |
| USG 7435ET | E3 | 47 A | 12.6 AB | 130 C | 43 C-E | 1.0 |
| Pioneer P44Z67BE | E3 | 46 A | 10.6 CD | 125 FG | 48 AB | 1.0 |
| Xitavo XO 4364E | E3 | 43 A | 11.7 B-D | 128 DE | 45 BC | 1.0 |
| Xitavo XO 4566E | E3 | 43 A | 12.4 AB | 130 CD | 44 CD | 1.0 |
| Great Heart GT-4655ES | E3 | 43 A | 13.4 A | 131 A-C | 48 A | 1.0 |
| Xitavo XO 4405E | E3 | 42 A | 11.9 A-C | 133 A | 43 C-E | 1.0 |
| **Trial Average** | | **48** | **12** | **129** | **44** | **1.0** |
| **Trial Standard Error** | | **4** | **1** | **1** | **1** | **0.1** |
| **Trial L.S.D.$_{.05}$** | | **N.S.** | **2** | **2** | **3** | **-** |
| **Trial C.V.** | | **13** | **8** | **1** | **4** | **-** |

† Varieties that have any MS letter in common are not significantly different at the 5% level of probability.
* Asterisks after a variety name indicate the number of preceding consecutive years in the top-performing "A" group.
‡ For a full description of abbreviated biotech traits, see table 5.
§ All yields are adjusted to 13% moisture.
‖ Protein and Oil on a dry weight basis.
¶ Rated on a scale of 1 (none) to 5 (complete). No C.V. is calculated for traits rated on an ordinal scale.
Values highlighted in orange are above average, values highlighted in dark orange are in the upper 25%. MS letters highlighted in dark orange are in the "A group", indicating no statistical difference from the top-performing variety, for a given trait.

**Table A-33. Mean† yield and agronomic traits of eight Maturity Group IV Early (4.0 - 4.5) XF soybean varieties evaluated in small plot replicated trials at the Milan AgResearch and Education Center non-irrigated site in Milan, TN during 2025.**

| Variety† | Herbicide Pkg‡ | Avg. Yield§ (bu/ac) | Moisture at Harvest (%) | Maturity (DAP) | Plant Height (in.) | Lodging¶ (1-5) |
|---|---|---|---|---|---|---|
| Asgrow AG43XF5 | XF, STS | 50 A | 11.1 A | 135 A | 43 D | 1.0 |
| Great Heart GT-4538XFS | XF, STS | 50 A | 11.5 A | 133 A | 51 A | 2.2 |
| Innvictis A4564XF | XF | 48 A | 12.0 A | 134 A | 49 AB | 4.2 |
| USG 7435XFS | XF, STS | 48 A | 12.3 A | 135 A | 44 CD | 1.0 |
| Revere 45-F29 | XF, STS | 46 A | 11.6 A | 132 A | 47 B | 1.2 |
| Dyna-Gro S43XF85S | XF, STS | 45 A | 11.3 A | 136 A | 43 D | 1.0 |
| Innvictis A4411XF | XF | 43 A | 11.9 A | 133 A | 44 CD | 1.3 |
| Innvictis A4534XF | XF | 43 A | 11.3 A | 135 A | 46 BC | 1.2 |
| **Trial Average** | | **47** | **12** | **134** | **46** | **1.6** |
| **Trial Standard Error** | | **4** | **1** | **1** | **1** | **1.1** |
| **Trial L.S.D.$_{.05}$** | | **N.S.** | **N.S.** | **N.S.** | **3** | **-** |
| **Trial C.V.** | | **7** | **9** | **2** | **4** | **-** |

† Varieties that have any MS letter in common are not significantly different at the 5% level of probability.
* Asterisks after a variety name indicate the number of preceding consecutive years in the top-performing "A" group.
‡ For a full description of abbreviated biotech traits, see table 5.
§ All yields are adjusted to 13% moisture.
‖ Protein and Oil on a dry weight basis.
¶ Rated on a scale of 1 (none) to 5 (complete). No C.V. is calculated for traits rated on an ordinal scale.
Values highlighted in orange are above average, values highlighted in dark orange are in the upper 25%. MS letters highlighted in dark orange are in the "A group", indicating no statistical difference from the top-performing variety, for a given trait.

**Table A-34. Mean† yield and agronomic traits of 16 Maturity Group IV Late (4.5 - 4.9) E3 soybean varieties evaluated in small plot replicated trials at the Milan AgResearch and Education Center non-irrigated site in Milan, TN during 2025.**

| Variety† | Herbicide Pkg‡ | Avg. Yield§ (bu/ac) | Moisture at Harvest (%) | Maturity (DAP) | Plant Height (in.) | Lodging¶ (1-5) |
|---|---|---|---|---|---|---|
| Revere 47-E74 | E3 | 49 A | 12.8 A | 133 A | 46 DE | 1.5 |
| Pioneer P50Z95E* | E3 | 49 AB | 12.7 A | 135 A | 45 DE | 1.0 |
| Pioneer P47Z15BE | E3 | 48 AB | 12.0 A | 133 A | 49 A-C | 1.2 |
| Revere CT4925E3S | E3, STS | 47 A-C | 12.7 A | 133 A | 46 DE | 1.0 |
| USG 7486ETS | E3, STS | 44 A-D | 13.0 A | 139 A | 51 A | 1.5 |
| Pioneer P49Z02E | E3 | 44 A-D | 13.7 A | 133 A | 44 E | 1.0 |
| Xitavo XO 4653E | E3 | 44 A-D | 14.3 A | 134 A | 47 C-E | 1.0 |
| Dyna-Gro S47ES36 | E3, STS | 44 A-D | 13.7 A | 131 A | 46 DE | 1.0 |
| USG 7494ETS | E3, STS | 44 A-E | 12.6 A | 135 A | 50 AB | 1.3 |
| Dyna-Gro S48ES56 | E3, STS | 43 A-E | 13.5 A | 135 A | 50 AB | 1.2 |
| Progeny 4999E3S | E3S | 43 B-E | 13.1 A | 134 A | 51 A | 1.2 |
| USG 7466ETS | E3, STS | 43 B-E | 13.5 A | 134 A | 47 B-D | 1.2 |
| Xitavo XO 4736E | E3 | 42 C-E | 13.9 A | 135 A | 52 A | 2.0 |
| Fortus 4665ES | E3 | 40 DE | 13.6 A | 132 A | 44 E | 1.2 |
| Innvictis B4744E | E3 | 39 DE | 12.1 A | 137 A | 46 C-E | 1.5 |
| Xitavo XO 4894E | E3 | 38 E | 13.2 A | 133 A | 50 A | 1.2 |
| **Trial Average** | | **44** | **13** | **134** | **48** | **1.2** |
| **Trial Standard Error** | | **3** | **1** | **1** | **1** | **0.3** |
| **Trial L.S.D.$_{.05}$** | | **6** | **N.S.** | **N.S.** | **3** | **-** |
| **Trial C.V.** | | **8** | **7** | **2** | **4** | **-** |

† Varieties that have any MS letter in common are not significantly different at the 5% level of probability.
* Asterisks after a variety name indicate the number of preceding consecutive years in the top-performing "A" group.
‡ For a full description of abbreviated biotech traits, see table 5.
§ All yields are adjusted to 13% moisture.
‖ Protein and Oil on a dry weight basis.
¶ Rated on a scale of 1 (none) to 5 (complete). No C.V. is calculated for traits rated on an ordinal scale.
Values highlighted in orange are above average, values highlighted in dark orange are in the upper 25%. MS letters highlighted in dark orange are in the "A group", indicating no statistical difference from the top-performing variety, for a

**Table A-35. Mean† yield and agronomic traits of 28 Maturity Group IV Late / V Early (4.6 - 5.4) XF soybean varieties evaluated in small plot replicated trials at the Milan AgResearch and Education Center non-irrigated site in Milan, TN during 2025.**

| Variety† | Herbicide Pkg‡ | Avg. Yield§ (bu/ac) | Moisture at Harvest (%) | Maturity (DAP) | Plant Height (in.) | Lodging¶ (1-5) |
|---|---|---|---|---|---|---|
| USG 7476XF | XF | 57 A | 12.5 C-E | 137 D-H | 48 A-D | 1.7 |
| Progeny 4623XF | XF | 53 A | 11.9 C-E | 136 E-H | 44 F | 1.7 |
| Progeny 4824XF | XF, STS | 52 A | 11.9 C-E | 136 E-H | 50 A-C | 1.2 |
| USG 7463XF | XF | 52 A | 12.4 C-E | 134 H | 45 EF | 1.3 |
| Innvictis A4642XF | XF | 51 A | 13.2 B-D | 131 I | 51 A | 1.7 |
| USG 7495XFS | XF, STS | 51 A | 12.4 C-E | 142 B | 49 A-C | 1.3 |
| Revere 47-F77 | XF, STS | 50 A | 11.7 DE | 134 H | 50 AB | 2.0 |
| Donmario DM 48F53 | XF | 49 A | 12.4 C-E | 135 GH | 37 G | 1.5 |
| Great Heart GT-4791XFS | XF, STS | 48 A | 13.4 BC | 141 BC | 50 A-C | 1.8 |
| Progeny 4724XFS | XF, STS | 47 A | 13.2 B-D | 135 GH | 48 B-E | 3.5 |
| USG 7461XFS | XF, STS | 47 A | 13.1 B-E | 134 H | 50 AB | 1.7 |
| Dyna-Gro S48XF35 | XF | 47 A | 11.9 C-E | 138 C-G | 45 EF | 1.2 |
| Progeny 4604XFS | XF, STS | 47 A | 12.1 C-E | 136 E-H | 51 AB | 1.5 |
| Progeny 4947XFS | XF, STS | 47 A | 12.4 C-E | 141 BC | 48 A-D | 1.5 |
| Asgrow AG50XF5 | XF | 46 A | 12.9 C-E | 137 D-H | 47 C-E | 1.0 |
| USG 7543XF | XF | 46 A | 14.7 AB | 149 A | 48 A-D | 1.3 |
| Progeny 5056XFS | XF, STS | 46 A | 13.0 B-E | 142 B | 50 AB | 1.8 |
| Revere 49-F36* | XF, STS | 46 A | 12.8 C-E | 141 BC | 50 AB | 1.5 |
| Donmario DM 47F44S | XF, STS | 46 A | 12.2 C-E | 136 E-H | 50 AB | 1.3 |
| Progeny 4842XFS | XF, STS | 45 A | 11.2 E | 136 F-H | 48 B-E | 1.7 |
| Innvictis A4862XF | XF | 45 A | 12.1 C-E | 139 C-E | 46 D-F | 1.5 |
| Asgrow AG49XF4 | XF, STS | 45 A | 12.7 C-E | 137 D-H | 48 B-E | 1.5 |
| Innvictis A4755XF | XF | 44 A | 11.7 DE | 140 B-D | 43 F | 1.3 |
| Innvictis A4924XF | XF | 43 A | 12.6 C-E | 135 H | 44 F | 1.2 |
| Integra XF4875S | XF | 43 A | 15.6 A | 139 C-F | 51 AB | 1.5 |
| Progeny 4734XFS | XF, STS | 40 A | 11.9 C-E | 136 F-H | 43 F | 1.2 |
| Progeny 4848XF | XF | 39 A | 11.6 DE | 137 D-H | 43 F | 1.0 |
| USG 7487XFS | XF, STS | 39 A | 11.6 DE | 137 D-H | 43 F | 1.3 |
| **Trial Average** | | **47** | **13** | **138** | **47** | **1.5** |
| **Trial Standard Error** | | **4** | **1** | **1** | **1** | **0.5** |
| **Trial L.S.D.$_{.05}$** | | **N.S.** | **2** | **3** | **3** | **-** |
| **Trial C.V.** | | **12** | **8** | **1** | **4** | **-** |

† Varieties that have any MS letter in common are not significantly different at the 5% level of probability.
* Asterisks after a variety name indicate the number of preceding consecutive years in the top-performing "A" group.
‡ For a full description of abbreviated biotech traits, see table 5.
§ All yields are adjusted to 13% moisture.
‖ Protein and Oil on a dry weight basis.
¶ Rated on a scale of 1 (none) to 5 (complete). No C.V. is calculated for traits rated on an ordinal scale.
Values highlighted in orange are above average, values highlighted in dark orange are in the upper 25%. MS letters highlighted in dark orange are in the "A group", indicating no statistical difference from the top-performing variety, for a given trait.

**Table A-36. Mean† yield and agronomic traits of seven Maturity Group III (3.0 - 3.9) soybean varieties evaluated in small plot replicated trials at the West TN AgResearch and Education Center site in Jackson, TN during 2025.**

| Variety† | Herbicide Pkg‡ | Avg. Yield§ (bu/ac) | Moisture at Harvest (%) | Maturity (DAP) | Plant Height (in.) |
|---|---|---|---|---|---|
| Dyna-Gro S38EN75* | E3 | 63 A | 9.4 A | 116 A | 35 BC |
| Xitavo XO 3855E* | E3 | 63 A | 9.9 A | 113 AB | 35 BC |
| Xitavo XO 3555E | E3 | 57 A | 8.2 A | 109 C | 31 C |
| Revere CT3933ES | E3, STS | 55 A | 9.7 A | 114 AB | 38 AB |
| Xitavo XO 3655E | E3 | 52 A | 8.4 A | 108 C | 31 C |
| Xitavo XO 3956E | E3 | 50 A | 8.6 A | 110 BC | 40 A |
| Asgrow AG36XF4 | XF | 50 A | 9.0 A | 111 BC | 40 A |
| **Trial Average** | | **56** | **9** | **112** | **36** |
| **Trial Standard Error** | | **6** | **1** | **2** | **1** |
| **Trial L.S.D.$_{.05}$** | | **N.S.** | **N.S.** | **4** | **4** |
| **Trial C.V.** | | **15** | **10** | **2** | **7** |

† Varieties that have any MS letter in common are not significantly different at the 5% level of probability.
* Asterisks after a variety name indicate the number of preceding consecutive years in the top-performing "A" group.
‡ For a full description of abbreviated biotech traits, see table 5.
§ All yields are adjusted to 13% moisture.
‖ Protein and Oil on a dry weight basis.
¶ Rated on a scale of 1 (none) to 5 (complete). No C.V. is calculated for traits rated on an ordinal scale.
Values highlighted in orange are above average, values highlighted in dark orange are in the upper 25%.
MS

**Table A-37. Mean† yield and agronomic traits of 13 Maturity Group IV Early (4.0 - 4.5) E3 soybean varieties evaluated in small plot replicated trials at the West TN AgResearch and Education Center site in Jackson, TN during 2025.**

| Variety† | Herbicide Pkg‡ | Avg. Yield§ (bu/ac) | Moisture at Harvest (%) | Maturity (DAP) | Plant Height (in.) | Lodging¶ (1-5) | Leaf Holding¶ (1-5) |
|---|---|---|---|---|---|---|---|
| Xitavo XO 4056E | E3 | 57 A | 8.1 D | 112 E | 38 F | 1.0 | 1.3 |
| Pioneer P44Z67BE | E3 | 57 A | 8.4 B-D | 121 B-D | 48 A | 1.0 | 1.0 |
| Revere 42-E22 | E3, STS | 57 A | 9.7 A | 123 A-C | 41 D-F | 1.0 | 1.0 |
| Xitavo XO 4405E | E3 | 56 A | 9.2 A-C | 125 A | 42 D-F | 1.0 | 1.0 |
| Revere CT4413E3S | E3, STS | 56 A | 9.4 AB | 126 A | 42 D-F | 1.3 | 1.0 |
| USG 7435ET | E3 | 55 A | 9.8 A | 125 A | 43 B-D | 1.0 | 1.0 |
| Pioneer P45Z75E* | E3 | 54 A | 8.6 B-D | 124 AB | 46 A-C | 1.3 | 1.3 |
| Innvictis B4553E | E3 | 53 A | 9.6 A | 124 A-C | 43 A-D | 1.0 | 1.0 |
| Great Heart GT-4655ES | E3 | 50 A | 9.8 A | 124 A-C | 47 AB | 1.7 | 1.7 |
| Pioneer P43Z44SE* | E3 | 50 A | 9.0 A-D | 121 B-D | 38 F | 1.0 | 1.0 |
| Xitavo XO 4255E | E3 | 49 A | 8.4 B-D | 121 CD | 38 EF | 1.0 | 1.0 |
| Xitavo XO 4566E | E3 | 48 A | 8.3 CD | 118 D | 44 A-D | 1.0 | 1.0 |
| Xitavo XO 4364E | E3 | 48 A | 9.3 AB | 121 B-D | 43 C-E | 1.0 | 1.0 |
| **Trial Average** | | **53** | **9** | **122** | **43** | **1.1** | **1.1** |
| **Trial Standard Error** | | **4** | **0** | **1** | **2** | **0.2** | **0.2** |
| **Trial L.S.D.$_{.05}$** | | **N.S.** | **1** | **4** | **4** | **-** | **-** |
| **Trial C.V.** | | **9** | **7** | **2** | **6** | **-** | **-** |

† Varieties that have any MS letter in common are not significantly different at the 5% level of probability.
* Asterisks after a variety name indicate the number of preceding consecutive years in the top-performing "A" group.
‡ For a full description of abbreviated biotech traits, see table 5.
§ All yields are adjusted to 13% moisture.
‖ Protein and Oil on a dry weight basis.
¶ Rated on a scale of 1 (none) to 5 (complete). No C.V. is calculated for traits rated on an ordinal scale.
Values highlighted in orange are above average, values highlighted in dark orange are in the upper 25%. MS letters highlighted in dark orange are in the "A group", indicating no statistical difference from the top-performing variety, for a given trait.

**Table A-38. Mean† yield and agronomic traits of eight Maturity Group IV Early (4.0 - 4.5) XF soybean varieties evaluated in small plot replicated trials at the West TN AgResearch and Education Center site in Jackson, TN during 2025.**

| Variety† | Herbicide Pkg‡ | Avg. Yield§ (bu/ac) | Moisture at Harvest (%) | Maturity (DAP) | Plant Height (in.) | Lodging¶ (1-5) | Leaf Holding¶ (1-5) |
|---|---|---|---|---|---|---|---|
| Asgrow AG43XF5 | XF, STS | 58 A | 9.0 A | 127 A | 41 E | 1.0 | 1.0 |
| Revere 45-F29 | XF, STS | 58 A | 9.0 A | 125 A | 47 A-C | 1.0 | 1.0 |
| Innvictis A4411XF | XF | 56 A | 9.6 A | 125 A | 45 B-D | 1.7 | 1.0 |
| Innvictis A4534XF | XF | 56 A | 8.8 A | 127 A | 48 AB | 1.0 | 1.0 |
| USG 7435XFS | XF, STS | 55 A | 9.1 A | 126 A | 43 C-E | 1.0 | 1.0 |
| Innvictis A4564XF | XF | 55 A | 9.2 A | 127 A | 50 A | 1.0 | 1.3 |
| Great Heart GT-4538XFS | XF, STS | 51 A | 9.1 A | 125 A | 46 A-D | 1.0 | 1.0 |
| Dyna-Gro S43XF85S | XF, STS | 51 A | 8.8 A | 125 A | 42 DE | 1.0 | 1.0 |
| **Trial Average** | | **55** | **9** | **126** | **45** | **1.1** | **1.0** |
| **Trial Standard Error** | | **3** | **0** | **1** | **1** | **0.2** | **0.1** |
| **Trial L.S.D.$_{.05}$** | | **N.S.** | **N.S.** | **N.S.** | **4** | **-** | **-** |
| **Trial C.V.** | | **5** | **4** | **1** | **5** | **-** | **-** |

† Varieties that have any MS letter in common are not significantly different at the 5% level of probability.
* Asterisks after a variety name indicate the number of preceding consecutive years in the top-performing "A" group.
‡ For a full description of abbreviated biotech traits, see table 5.
§ All yields are adjusted to 13% moisture.
‖ Protein and Oil on a dry weight basis.
¶ Rated on a scale of 1 (none) to 5 (complete). No C.V. is calculated for traits rated on an ordinal scale.
Values highlighted in orange are above average, values highlighted in dark orange are in the upper 25%. MS letters highlighted in dark orange are in the "A group", indicating no statistical difference from the top-performing variety, for a given trait.

**Table A-39. Mean† yield and agronomic traits of 16 Maturity Group IV Late (4.5 - 4.9) E3 soybean varieties evaluated in small plot replicated trials at the West TN AgResearch and Education Center site in Jackson, TN during 2025.**

| Variety† | Herbicide Pkg‡ | Avg. Yield§ (bu/ac) | Moisture at Harvest (%) | Maturity (DAP) | Plant Height (in.) | Lodging¶ (1-5) |
|---|---|---|---|---|---|---|
| Pioneer P50Z95E* | E3 | 59 A | 11.1 F-I | 132 A | 45 C-F | 1.0 |
| Pioneer P47Z15BE | E3 | 59 A | 9.4 J | 129 A-E | 46 C-F | 1.0 |
| Revere CT4925E3S | E3, STS | 56 AB | 10.7 HI | 130 A-D | 43 EF | 1.7 |
| Fortus 4665ES | E3 | 55 A-C | 11.3 D-H | 126 E | 44 D-F | 1.0 |
| Revere 47-E74 | E3 | 54 A-C | 10.9 G-I | 128 B-E | 46 C-F | 1.0 |
| Pioneer P49Z02E | E3 | 54 A-C | 11.0 F-I | 129 A-E | 43 F | 1.7 |
| Xitavo XO 4653E | E3 | 54 A-C | 11.9 A-C | 127 DE | 46 C-E | 1.7 |
| Innvictis B4744E | E3 | 52 B-D | 10.6 I | 131 A | 48 BC | 1.0 |
| USG 7466ETS | E3, STS | 52 B-D | 12.1 AB | 127 DE | 43 EF | 1.0 |
| Dyna-Gro S48ES56 | E3, STS | 51 B-D | 11.7 A-E | 131 AB | 47 BC | 1.3 |
| Dyna-Gro S47ES36 | E3, STS | 51 B-E | 11.9 A-D | 127 C-E | 44 EF | 1.0 |
| USG 7486ETS | E3, STS | 51 B-E | 10.9 G-I | 132 A | 48 BC | 1.3 |
| Progeny 4999E3S | E3S | 50 B-E | 11.5 B-F | 129 A-E | 49 AB | 1.0 |
| Xitavo XO 4736E | E3 | 49 C-E | 12.2 A | 130 A-C | 52 A | 2.0 |
| Xitavo XO 4894E | E3 | 48 DE | 11.2 E-H | 128 B-E | 48 BC | 1.0 |
| USG 7494ETS | E3, STS | 45 E | 11.4 C-G | 127 C-E | 47 B-D | 1.0 |
| **Trial Average** | | **53** | **11** | **129** | **46** | **1.2** |
| **Trial Standard Error** | | **3** | **0** | **1** | **1** | **0.3** |
| **Trial L.S.D.$_{.05}$** | | **6** | **1** | **3** | **3** | **-** |
| **Trial C.V.** | | **6** | **3** | **1** | **4** | **-** |

† Varieties that have any MS letter in common are not significantly different at the 5% level of probability.
* Asterisks after a variety name indicate the number of preceding consecutive years in the top-performing "A" group.
‡ For a full description of abbreviated biotech traits, see table 5.
§ All yields are adjusted to 13% moisture.
‖ Protein and Oil on a dry weight basis.
¶ Rated on a scale of 1 (none) to 5 (complete). No C.V. is calculated for traits rated on an ordinal scale.
Values highlighted in orange are above average, values highlighted in dark orange are in the upper 25%. MS letters highlighted in dark orange are in the "A group", indicating no statistical difference from the top-performing variety, for a

**Table A-40. Mean† yield and agronomic traits of 28 Maturity Group IV Late / V Early (4.6 - 5.4) XF soybean varieties evaluated in small plot replicated trials at the West TN AgResearch and Education Center site in Jackson, TN during 2025.**

| Variety† | Herbicide Pkg‡ | Avg. Yield§ (bu/ac) | Moisture at Harvest (%) | Maturity (DAP) | Plant Height (in.) | Lodging¶ (1-5) | Leaf Holding¶ (1-5) |
|---|---|---|---|---|---|---|---|
| Innvictis A4862XF | XF | 60 A | 9.8 F-I | 131 C-F | 45 D-H | 2.0 | 1.0 |
| USG 7476XF | XF | 59 A | 9.7 F-I | 130 D-G | 47 A-E | 1.3 | 1.0 |
| Progeny 4947XFS | XF, STS | 57 A | 11.0 B-D | 131 C-F | 46 C-G | 1.3 | 1.0 |
| USG 7543XF | XF | 57 A | 12.9 A | 140 A | 48 A-D | 1.3 | 2.0 |
| Dyna-Gro S48XF35 | XF | 54 A | 9.5 HI | 134 B-D | 43 G-I | 1.3 | 1.0 |
| Revere 47-F77 | XF, STS | 53 A | 9.5 HI | 126 G | 47 A-E | 1.3 | 1.0 |
| Progeny 4734XFS | XF, STS | 52 A | 9.1 I | 128 FG | 43 G-I | 1.0 | 1.0 |
| USG 7495XFS | XF, STS | 52 A | 10.9 B-E | 136 AB | 49 AB | 1.0 | 1.0 |
| USG 7487XFS | XF, STS | 52 A | 10.0 E-I | 133 B-D | 43 HI | 1.3 | 1.0 |
| Innvictis A4755XF | XF | 52 A | 9.5 HI | 135 BC | 41 I | 1.0 | 1.0 |
| Progeny 4604XFS | XF, STS | 52 A | 10.5 C-H | 130 D-G | 48 A-C | 1.3 | 1.0 |
| Integra XF4875S | XF | 52 A | 10.3 C-H | 133 B-D | 47 A-F | 1.0 | 1.0 |
| Donmario DM 47F44S | XF, STS | 52 A | 10.4 C-H | 133 B-D | 47 A-F | 1.0 | 1.0 |
| Progeny 4724XFS | XF, STS | 52 A | 10.0 D-I | 127 FG | 48 A-D | 1.0 | 1.0 |
| Revere 49-F36* | XF, STS | 51 A | 10.8 B-E | 136 AB | 48 A-E | 1.0 | 1.0 |
| Great Heart GT-4791XFS | XF, STS | 51 A | 11.1 BC | 131 C-F | 46 B-F | 1.3 | 1.5 |
| Donmario DM 48F53 | XF | 50 A | 9.1 I | 128 E-G | 38 J | 1.0 | 1.0 |
| Progeny 4842XFS | XF, STS | 50 A | 9.7 F-I | 128 E-G | 49 AB | 1.3 | 1.0 |
| Innvictis A4642XF | XF | 50 A | 10.7 B-F | 130 C-G | 49 A | 1.0 | 1.0 |
| Asgrow AG50XF5 | XF | 50 A | 10.5 C-G | 133 B-E | 45 E-H | 2.0 | 1.0 |
| Asgrow AG49XF4 | XF, STS | 49 A | 10.0 E-I | 134 B-D | 45 D-H | 1.0 | 1.0 |
| USG 7463XF | XF | 49 A | 10.2 C-H | 127 FG | 46 C-G | 1.0 | 1.0 |
| Innvictis A4924XF | XF | 48 A | 9.6 G-I | 128 FG | 43 HI | 1.3 | 1.0 |
| Progeny 4824XF | XF, STS | 47 A | 10.4 C-H | 131 C-F | 48 A-D | 1.0 | 1.0 |
| Progeny 5056XFS | XF, STS | 46 A | 11.6 B | 132 B-F | 47 A-E | 1.7 | 1.0 |
| Progeny 4623XF | XF | 45 A | 9.0 I | 130 C-G | 44 F-H | 2.0 | 1.0 |
| USG 7461XFS | XF, STS | 44 A | 9.6 G-I | 125 G | 47 A-F | 1.0 | 1.0 |
| Progeny 4848XF | XF | 41 A | 9.5 HI | 126 G | 43 G-I | 1.7 | 1.0 |
| **Trial Average** | | **51** | **10** | **131** | **46** | **1.3** | **1.1** |
| **Trial Standard Error** | | **5** | **0** | **2** | **1** | **0.3** | **0.2** |
| **Trial L.S.D.$_{.05}$** | | **N.S.** | **1** | **5** | **3** | **-** | **-** |
| **Trial C.V.** | | **14** | **6** | **2** | **4** | **-** | **-** |

† Varieties that have any MS letter in common are not significantly different at the 5% level of probability.
* Asterisks after a variety name indicate the number of preceding consecutive years in the top-performing "A" group.
‡ For a full description of abbreviated biotech traits, see table 5.
§ All yields are adjusted to 13% moisture.
‖ Protein and Oil on a dry weight basis.
¶ Rated on a scale of 1 (none) to 5 (complete). No C.V. is calculated for traits rated on an ordinal scale.
Values highlighted in orange are above average, values highlighted in dark orange are in the upper 25%. MS letters highlighted in dark orange are in the "A group", indicating no statistical difference from the top-performing variety, for a given trait.



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