

# 2025 Kentucky Soybean VARIETY PERFORMANCE TRIALS

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The Kentucky Soybean Variety Performance Trials are conducted to provide an objective estimate of the relative performance of soybean varieties commercially available in Kentucky. Annual evaluation of soybean varieties provides farmers, seed producers, and other agricultural workers with current information to help them select the varieties best adapted to their locality and individual requirements.

In 2025, 124 soybean varieties were planted at six trial locations. Trial locations and planting and harvest dates are shown in Table 1.

### Methods

All trials were planted in a randomized complete block design by maturity group with a no-till plot planter (Haldrup SNT-25, 6-rows – Haldrup USA). The trials (tables 4-6) had three replications (plots) for each variety. The individual plots were 20 feet long and six rows wide with 15 inches between rows. Five viable seeds per foot of row were planted at a depth of approximately 1.5 inches. All test sites were treated with fertilizers, lime, and herbicides before planting following current IPM and fertilizer/lime recommendations ([UK ID-249: A Comprehensive Guide to Soybean Management in Kentucky](#)). Seed source and varietal information are located in Table 2. Companies nominated their varieties and could choose to treat their seed with fungicides, insecticides, nematicides, beneficial organisms, and/or germination/growth/systemic acquired resistance enhancers (Table 2). The plots were maintained as weed-free as possible during the growing season. All plots were mechanically end-trimmed during the early vegetative stages (V1 to V3) to a length of 15.5 feet.

Harvesting was done with a research plot combine (Wintersteiger Delta plot combine –Wintersteiger, USA) according to maturity. The four center rows of each plot were harvested.

### Tables

- Table 1. Trial location information
- Table 2. Source of seed and variety specifications
- Table 3. Test site information

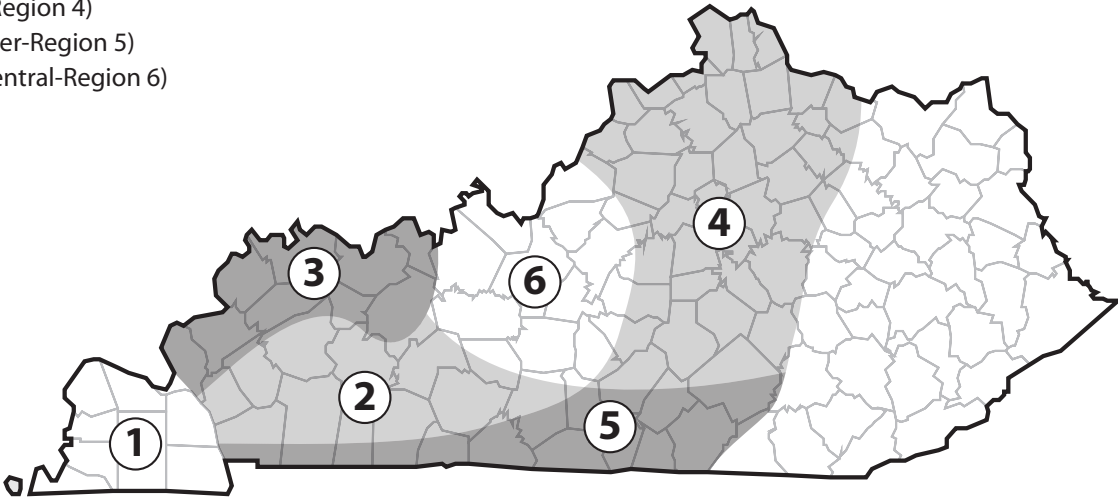
### Performance Trial Results:

- Table 4. State Summary –  
Early Maturity Group (MG 3.3 – 3.9)
- Table 5. State Summary –  
Medium Maturity Group (MG 4.0 – 4.5)
- Table 6. State Summary –  
Late Maturity Group (MG 4.6 – 5.0)

**Figure 1. 2025 Kentucky Soybean Variety Performance Trial Sites.**

- Calloway County (Purchase-Region 1)
- Caldwell County (West Coalfield-Region 2)
- Daviess County (Ohio Valley-Region 3)
- Fayette County (Bluegrass-Region 4)
- Warren County (Southern Tier-Region 5)
- Woodford County (North Central-Region 6)

*Agroclimatic regions*



**Yield** is reported in bushels (60 pounds) per acre adjusted to 13% moisture. An electronic weight and moisture monitor (HarvestMaster HM800 GrainGage system, Juniper Systems, Inc., USA) located on the combine was used to record grain weight and moisture readings for each plot. Data were collected with a field PC using Mirus software (Mirus Harvest Software, Juniper Systems, Inc., USA) and analyzed with Genovix database management software (Agronomix Software Inc., Canada).

**Lodging** was recorded at harvest at all test sites. Lodging was rated on a scale of 1 to 5, where 1 = all plants erect; 2 = all plants over slightly or a few down; 3 = all plants over moderately or 25% down; 4 = all plants over considerably or 50% down; 5 = over 50% to all plants down.

**Plant height** was measured in inches from the soil surface to the tip of the main stem. Plant height was recorded at the Fayette County location just prior to harvest.

**Seed samples. Protein, oil – whole seed.** Varietal protein and oil concentrations are reported on the basis of 13% moisture. The samples were collected from three replicated plots at the Fayette Co. location and were analyzed with a NIR spectrophotometer (DA 7250, Perten Instruments, Sweden).

### Interpretation

The performance of soybean varieties is affected by many factors, including year, location, soil type, and time of planting. A particular soybean variety is adapted for full-season growth in a band approximately 100 miles wide from north to south. Thus, the best variety in Northern Kentucky may not be best adapted for southern areas. For this reason, the Kentucky Soybean Variety Performance Trials are conducted at multiple locations in the major soybean-producing areas of the state. The yields as reported in this publication should be used for relative comparisons; actual yields on a grower's farm may be different.

Performance of soybean varieties will vary from year to year and from location to location depending on adaptability, weather conditions, and management practices. Performance of a variety across multiple locations is the best indicator of its production potential. The data presented in tables 4-6 list the yields from the Early, Medium, and Late Maturity trials for each location and the average across locations. The average state summary results provide the best estimate of varietal performance. To factor in local environmental factors, growers may also use the average state results in conjunction with data from individual regional trial locations. The state summary data is also recommended for selecting varieties in double-crop systems. Better yielding full-season varieties tend to be better in a double-crop system. The full-season environment that maximizes yield is a better indicator of performance than late-planted soybeans that routinely have reduced yields and higher levels of variability associated with environmental stress factors.

Small differences in yield are usually of little importance. The yield of two varieties at a single location can differ because of chance factors (difference in soil characteristics, fertility, or availability of moisture), although the inherent yielding ability is the same. To decide if an observed yield difference is real, the least significant difference (LSD) values cited at the bottom of each maturity group should be used. The significance level in tables 4-6 is 0.10. If the difference in yield between two varieties is greater than the LSD value, it is reasonable to assume that the varieties differ in yield potential.

Yield is only one factor to consider in selecting a variety for a production system. Secondary characteristics, such as oil and protein content, technology traits, maturity group, lodging resistance, and disease resistance may also be important components in making variety selection decisions.

In cases of known soybean cyst nematode (SCN) problems, a resistant variety should be used in the production system with a recommended crop rotation program. Planting resistant varieties should be considered as the number of acres affected by SCN in Kentucky has increased. SCN occurs in at least 61 Western Kentucky counties. Low levels of SCN show few or no visible symptoms but can cause yield losses of up to 25%. Fields should be tested for SCN regularly. Producers should contact their local University of Kentucky County Extension office for more information on collecting and submitting samples.

### Growing Conditions – 2025

The state of Kentucky experienced normal to below normal temperatures from April into June and was followed by normal to above normal temperatures from mid-June through September. Above average precipitation levels in April and May delayed soybean planting in many areas of the state but favored stand establishment and plant growth. Drought conditions across many parts of the state in July, August, and September resulted in lower soybean yields. Detailed weather data for all trial locations are presented in Table 3.

### Acknowledgments

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**Table 1. Locations, planting and harvest dates for the 2025 Kentucky Soybean Variety Performance Tests**

| REGION   |                | TEST SITE       | COLLABORATORS                                                                     | PLANTING DATES | HARVEST DATES                                          |
|----------|----------------|-----------------|-----------------------------------------------------------------------------------|----------------|--------------------------------------------------------|
| <b>1</b> | Purchase       | Calloway County | Jason Robertson, Murray State University                                          | 4/22/2025      | Early: 9/16/25;<br>Medium: 9/16/25;<br>Late: 10/3/25   |
| <b>2</b> | West Coalfield | Caldwell County | Scott Peek and Bobby Orange, University of Kentucky Research and Education Center | 4/22/2025      | Early: 9/17/25;<br>Medium: 9/17/25;<br>Late: 10/3/25   |
| <b>3</b> | Ohio Valley    | Daviess County  | Bryan Kuegel, farmer-cooperator                                                   | 4/23/2025      | Early: 9/20/25;<br>Medium: 10/13/25;<br>Late: 10/13/25 |
| <b>4</b> | Bluegrass      | Fayette County  | Matt Peake, University of Kentucky Spindletop Research Farm                       | 4/28/2025      | Early: 9/19/25;<br>Medium: 9/28/25;<br>Late: 9/29/25   |
| <b>5</b> | Southern Tier  | Warren County   | Marie England, Western Kentucky University                                        | 5/6/2025       | Early: 10/2/25;<br>Medium: 10/2/25;<br>Late: 10/2/25   |
| <b>6</b> | North Central  | Woodford County | Shannon Rudd, University of Kentucky Woodford Research Farm                       | 5/7/2025       | Early: 9/30/25;<br>Medium: 9/30/25;<br>Late: 10/1/25   |

**Table 2. 2025 Kentucky Soybean Variety Trials - Source of Seed and Variety Specifications.<sup>A</sup>**

| VARIETY NAME                         | Maturity Group | Herbicide Technologies <sup>8</sup> | Disease Resistance Traits <sup>c</sup> |                                |                 |                       | Other <sup>c,E</sup> | Seed treatment(s)                  |
|--------------------------------------|----------------|-------------------------------------|----------------------------------------|--------------------------------|-----------------|-----------------------|----------------------|------------------------------------|
|                                      |                |                                     | Soybean Cyst Nematode resistance       | Phytophthora soja <sup>d</sup> |                 | Sudden death syndrome |                      |                                    |
|                                      |                |                                     |                                        | Resistance gene                | Field tolerance |                       |                      |                                    |
| AgriGold - agrigold.com              |                |                                     |                                        |                                |                 |                       |                      |                                    |
| AGRIGOLD G3425E3                     | 3.4            | Enlist E3                           |                                        |                                |                 |                       |                      |                                    |
| AGRIGOLD G3552XF                     | 3.5            | XTFlex                              | PI88788                                | 3a                             | MT              | MT                    |                      |                                    |
| AGRIGOLD G3854E3                     | 3.8            | Enlist E3                           | PI88788                                | 1k                             | MR              | MR                    |                      |                                    |
| AGRIGOLD G3955XF                     | 3.9            | XTFlex                              | PI88788                                | 1c                             | MT              | MR                    |                      |                                    |
| AGRIGOLD G4430XF                     | 4.4            | XTFlex                              | PI88788                                | 1k                             | MR              | T                     |                      |                                    |
| AGRIGOLD G4459E3                     | 4.4            | Enlist E3                           | PI88788                                | 1c                             | MR              | T                     |                      |                                    |
| BASF - Xiatavosoybeanseed.com        |                |                                     |                                        |                                |                 |                       |                      |                                    |
| Xitavo XO 3555E                      | 3.5            | Enlist E3/STS                       | 3, 14                                  | 1c                             |                 |                       |                      | ObviousPlus, Poncho, Votivo, llevo |
| Xitavo XO 3655E                      | 3.6            | Enlist E3/STS                       | 3, 14                                  | H1k                            |                 |                       |                      | ObviousPlus, Poncho, Votivo, llevo |
| Xitavo XO 3956E                      | 3.9            | Enlist E3/STS                       | 3, 14                                  | 1c                             |                 |                       |                      | ObviousPlus, Poncho, Votivo, llevo |
| Xitavo XO 4056E                      | 4.0            | Enlist E3/STS                       | 3, 14                                  | 1k                             |                 |                       |                      | ObviousPlus, Poncho, Votivo, llevo |
| Xitavo XO 4255E                      | 4.2            | Enlist E3/STS                       | 3, 14                                  | H1c                            |                 |                       |                      | ObviousPlus, Poncho, Votivo, llevo |
| Xitavo XO 4364E                      | 4.3            | Enlist E3/STS                       | 3, 14                                  | 1k                             |                 |                       |                      | ObviousPlus, Poncho, Votivo, llevo |
| Xitavo XO 4405E                      | 4.4            | Enlist E3                           | 3, 14                                  | 1a                             |                 |                       |                      | ObviousPlus, Poncho, Votivo, llevo |
| Xitavo XO 4566E                      | 4.5            | Enlist E3                           | 3, 14                                  | 1a                             |                 |                       |                      | ObviousPlus, Poncho, Votivo, llevo |
| Xitavo XO 4653E                      | 4.6            | Enlist E3/STS                       | 3, 14                                  | No gene                        |                 |                       |                      | ObviousPlus, Poncho, Votivo, llevo |
| Xitavo XO 4736E                      | 4.7            | Enlist E3                           | 3, 14                                  | 1k                             |                 |                       |                      | ObviousPlus, Poncho, Votivo, llevo |
| Xitavo XO 4894E                      | 4.8            | Enlist E3/STS                       | 3, 14                                  | H1c                            |                 |                       |                      | ObviousPlus, Poncho, Votivo, llevo |
| Bayer Asgrow - cropscience.bayer.com |                |                                     |                                        |                                |                 |                       |                      |                                    |
| ASGROW AG33XF3                       | 3.3            | XTFlex                              | R3                                     | 1c                             | 5               | MR                    |                      | Acceleron F&I                      |
| ASGROW AG36XF4                       | 3.6            | XTFlex                              | R3                                     | 1c                             | 4               | MR                    |                      | Acceleron F&I                      |
| ASGROW AG38XF6                       | 3.8            | XTFlex                              | R3                                     | 1c                             | 5               | MS                    |                      | Acceleron F&I                      |
| ASGROW AG40XF5                       | 4.0            | XTFlex/SR                           | R3                                     | 1c                             | 5               | MS                    |                      | Acceleron F&I                      |
| ASGROW AG42XF6                       | 4.2            | XTFlex/SR                           | 1,3                                    | 1c                             | 5               | MR                    |                      | Acceleron F&I                      |
| ASGROW AG43XF5                       | 4.3            | XTFlex/SR                           | PI88788                                | 1c                             | 4               | 5                     |                      | Acceleron F&I                      |
| ASGROW AG44XF4                       | 4.4            | XTFlex/SR                           | R3                                     | 1a                             | 4               | MR                    |                      | Acceleron F&I                      |
| ASGROW A45E35                        | 4.5            | Enlist E3/SR                        | 3,14                                   | 1C                             | 5               | MS                    |                      | Acceleron F&I                      |
| ASGROW A47E35                        | 4.7            | Enlist E3/SR                        | 3,14                                   |                                | 5               | MR                    |                      | Acceleron F&I                      |
| ASGROW AG48XF6                       | 4.8            | XTFlex/SR                           | 1,3                                    | 1C/1S                          | 6               | S                     |                      | Acceleron F&I                      |
| ASGROW AG49XF6                       | 4.9            | XTFlex/SR                           | R3                                     | 1c                             | 5               | S                     |                      | Acceleron F&I                      |
| ASGROW A49E34                        | 4.9            | Enlist E3/SR                        | 3,14                                   | 1c                             | 6               |                       |                      | Acceleron F&I                      |
| Channel Seed - channel.com           |                |                                     |                                        |                                |                 |                       |                      |                                    |
| CHANNEL 3926RXF                      | 3.9            | XTFlex/SR                           | PI88788                                |                                | 5               | 4                     |                      | Channel Edge F&I                   |
| CHANNEL 4125RXF                      | 4.1            | XTFlex/SR                           | PI88788                                | Rps1c                          | 5               | 4                     |                      | Channel Edge F&I                   |
| CHANNEL 4225RXF                      | 4.2            | XTFlex/SR                           | Peking                                 | Rps1c                          | 5               | 5                     |                      | Channel Edge F&I                   |
| CONNECT/ALLOY CT3526E                | 3.5            | Enlist E3/SR                        | R3                                     | Rps1c                          | 3               | 4                     |                      | Channel Edge F&I                   |

*continued*

**Table 2.** (continued)

| VARIETY NAME                                            | Maturity Group | Herbicide Technologies <sup>B</sup> | Disease Resistance Traits <sup>C</sup> |                                |                 |                       | Other <sup>C,E</sup> | Seed treatment(s)     |
|---------------------------------------------------------|----------------|-------------------------------------|----------------------------------------|--------------------------------|-----------------|-----------------------|----------------------|-----------------------|
|                                                         |                |                                     | Soybean Cyst Nematode resistance       | Phytophthora soja <sup>D</sup> |                 | Sudden death syndrome |                      |                       |
|                                                         |                |                                     |                                        | Resistance gene                | Field tolerance |                       |                      |                       |
| CONNECT/ALLOY CT4025E                                   | 4.0            | Enlist E3/SR                        | R3                                     | Rps1c                          | 5               | 5                     |                      | Channel Edge F&I      |
| CONNECT/ALLOY CT4126E                                   | 4.1            | Enlist E3/SR                        | R3                                     |                                | 5               | 4                     |                      | Channel Edge F&I      |
| Dyna-Gro Seed - nutrienagsolutions.com                  |                |                                     |                                        |                                |                 |                       |                      |                       |
| Dyna-Gro S38EN75                                        | 3.8            | Enlist E3                           | R3, MR14                               | 1k                             | T               | MR                    | FLS - MR             | Equity VAYO & Saltro  |
| Dyna-Gro S41XF65                                        | 4.1            | XTFlex/STS                          | MR3                                    | 1c                             | T               | MR                    | FLS - MR             | Equity VAYO & Saltro  |
| Dyna-Gro S43XF85S                                       | 4.3            | XTFlex/STS                          | R3, MR14                               | None                           | MT              | MR                    | FLS - R              | Equity VAYO & Saltro  |
| Dyna-Gro S47ES36                                        | 4.7            | Enlist E3/STS                       | MR3                                    | 1c, 3a                         | MT              | MR                    | FLS - R, RKN-MR      | Equity VAYO & Saltro  |
| Dyna-Gro S48XF35                                        | 4.8            | XTFlex                              | MR3                                    | 1c                             | MT              | MR-MS                 | FLS - MR             | Equity VAYO & Saltro  |
| GDM Seeds - gdmseeds.com                                |                |                                     |                                        |                                |                 |                       |                      |                       |
| Donmario DM40F45S                                       | 4.0            | XTFlex/STS                          | PI88788                                |                                | 2               | 2                     |                      | Cruiser Maxx, APX     |
| Donmario DM41E35S                                       | 4.1            | Enlist E3/STS                       | PI88788                                |                                | 1.5             | 2                     |                      | Cruiser Maxx, APX     |
| Donmario DM47F44S                                       | 4.7            | XTFlex/STS                          | PI88788                                |                                | 2               | 2                     |                      | Cruiser Maxx, APX     |
| Donmario DM48F53                                        | 4.8            | XTFlex                              | None                                   |                                | 1.5             | 1.5                   |                      | Cruiser Maxx, APX     |
| Golden Harvest - goldenharvestseeds.com                 |                |                                     |                                        |                                |                 |                       |                      |                       |
| Golden Harvest GH3836E3S                                | 3.8            | Enlist E3/STS                       | MR3                                    | Rps 1c                         | 4               | 2                     | FLS - 2              | CruisermxAPX, Saltro  |
| Golden Harvest GH3986XF                                 | 3.9            | XTFlex                              | MR3, MR14                              | Rps 1c                         | 4               | 3                     | FLS - 2              | CruisermxAPX, Saltro  |
| Golden Harvest GH4093E3                                 | 4.0            | Enlist E3                           | MR3, MR14                              | Rps 1c                         | 3               | 2                     | FLS - 4              | CruisermxAPX, Saltro  |
| Golden Harvest GH4214E3S                                | 4.2            | Enlist E3/STS                       | MR3                                    | Rps 1c                         | 2               | 2                     | FLS - 2              | CruisermxAPX, Saltro  |
| Golden Harvest GH4433E3S                                | 4.4            | Enlist E3/STS                       | MR3, MR14                              | Rps 1c                         | 3               | 2                     | FLS - 2              | CruisermxAPX, Saltro  |
| Golden Harvest GH4546XFS                                | 4.5            | XTFlex/STS                          | MR3                                    | Rps 1c                         | 3               | 4                     | FLS - 2              | CruisermxAPX, Saltro  |
| Golden Harvest GH4766XFS                                | 4.7            | XTFlex/STS                          | MR3, MR14                              | Rps 1c                         | 4               | 2                     | FLS - 2              | CruisermxAPX, Saltro  |
| Golden Harvest GH4775E3S                                | 4.7            | Enlist E3/STS                       | MR3                                    | Rps 1k                         | 3               | 4                     | FLS - 2              | CruisermxAPX, Saltro  |
| Golden Harvest GH4944XFS                                | 4.9            | XTFlex/STS                          | R3                                     | Rps 1k                         | 3               | 3                     | FLS - 4              | CruisermxAPX, Saltro  |
| Golden Harvest GH5056E3S                                | 5.0            | Enlist E3/STS                       | R3                                     | Rps1k, Rps3a                   | 4               | 4                     | FLS - res.           | CruisermxAPX, Saltro  |
| GROWMARK, INC - FS HiSoy Soybean Brand - growmarkfs.com |                |                                     |                                        |                                |                 |                       |                      |                       |
| HS 35E50                                                | 3.5            | Enlist                              | PI88788                                | 1c                             | MT              | MT                    |                      | Acceleron I&F, Saltro |
| HS 36F40                                                | 3.6            | XTFlex                              | PI88788                                | 1c                             | MT              | MR                    |                      | Acceleron I&F, Saltro |
| HS 37E40                                                | 3.7            | Enlist                              | PI88788                                | 1k                             | MT              | MR                    |                      | Acceleron I&F, Saltro |
| HS 38E50                                                | 3.8            | Enlist                              | PI88788                                | 1k                             | MT              | MR                    |                      | Acceleron I&F, Saltro |
| HS 39F50                                                | 3.9            | XTFlex                              | PI88788                                | 1c                             | MT              | MR                    |                      | Acceleron I&F, Saltro |
| HS 39E40                                                | 3.9            | Enlist                              | PI88788                                | None                           | MT              | MR                    |                      | Acceleron I&F, Saltro |
| HS 40E30                                                | 4.0            | Enlist                              | PI88788                                | 1c                             | MT              | MT                    |                      | Acceleron I&F, Saltro |
| HS 41E40                                                | 4.1            | Enlist                              | PI88788                                | None                           | MT              | MT                    |                      | Acceleron I&F, Saltro |
| HS 41F50                                                | 4.1            | XTFlex                              | PI88788                                | 1a                             | MT              | MT                    |                      | Acceleron I&F, Saltro |
| HS 42F50                                                | 4.2            | XTFlex                              | PI88788                                | 1c                             | MT              | MR                    |                      | Acceleron I&F, Saltro |
| HS 43E30                                                | 4.3            | Enlist                              | PI88788                                | 1k                             | MT              | MT                    |                      | Acceleron I&F, Saltro |
| HS 44E40                                                | 4.4            | Enlist                              | PI88788                                | 1k                             | MT              | MT                    |                      | Acceleron I&F, Saltro |

*continued*



**Table 2.** (continued)

| VARIETY NAME                                     | Maturity Group | Herbicide Technologies <sup>B</sup> | Disease Resistance Traits <sup>C</sup> |                                |                 |                       | Other <sup>C,E</sup> | Seed treatment(s)              |
|--------------------------------------------------|----------------|-------------------------------------|----------------------------------------|--------------------------------|-----------------|-----------------------|----------------------|--------------------------------|
|                                                  |                |                                     | Soybean Cyst Nematode resistance       | Phytophthora soja <sup>D</sup> |                 | Sudden death syndrome |                      |                                |
|                                                  |                |                                     |                                        | Resistance gene                | Field tolerance |                       |                      |                                |
| HS 45E50                                         | 4.5            | Enlist                              | PI88788                                | 1c                             | MT              | MR                    |                      | Acceleron I&F, Saltro          |
| HS 46F50                                         | 4.6            | XTFlex                              | PI88788                                | 1a                             | MT              | MT                    |                      | Acceleron I&F, Saltro          |
| HS 47E50                                         | 4.7            | Enlist                              | PI88788                                | 1c3a                           | MT              | MR                    |                      | Acceleron I&F, Saltro          |
| HS 48F40                                         | 4.8            | XTFlex                              | PI88788                                | 1c                             | MT              | MR                    |                      | Acceleron I&F, Saltro          |
| HS 48E50                                         | 4.8            | Enlist                              | PI88788                                | 1a                             | MT              | MR                    |                      | Acceleron I&F, Saltro          |
| HS 50E40                                         | 5.0            | Enlist                              | PI88788                                | None                           | MT              | MT                    |                      | Acceleron I&F, Saltro          |
| Innvictis Seed Solutions - www.innvictisseed.com |                |                                     |                                        |                                |                 |                       |                      |                                |
| Innvictis B3805E                                 | 3.8            | Enlist E3/STS                       |                                        |                                |                 |                       |                      | Revize PBI                     |
| Innvictis B3934E                                 | 3.9            | Enlist E3                           | 3                                      | Rps 1c                         | T               | T                     |                      | Revize PBI                     |
| Innvictis A4075E                                 | 4.0            | Enlist E3/STS                       |                                        |                                |                 |                       |                      | Revize PBI                     |
| Innvictis A4225E                                 | 4.2            | Enlist E3/STS                       |                                        |                                |                 |                       |                      | Revize PBI                     |
| Innvictis A4411XF                                | 4.4            | XTFlex                              |                                        |                                |                 |                       |                      |                                |
| Innvictis B4553E                                 | 4.5            | Enlist E3                           | 3,14                                   | Rps 1c                         | T               | T                     | RKN                  | Revize PBI                     |
| Innvictis A4534XF                                | 4.5            | XTFlex                              |                                        |                                |                 |                       |                      |                                |
| Innvictis A4642XF                                | 4.6            | XTFlex                              |                                        |                                |                 |                       |                      |                                |
| Innvictis B4744E                                 | 4.7            | Enlist E3                           |                                        |                                |                 |                       |                      | Revize PBI                     |
| Innvictis A4755XF                                | 4.7            | XTFlex                              |                                        |                                |                 |                       |                      |                                |
| Innvictis A4862XF                                | 4.8            | XTFlex                              | 3                                      | None                           | MT              | T                     |                      | Revize PBI                     |
| Innvictis A4924XF                                | 4.9            | XTFlex                              | 3                                      | None                           | MT              | MT                    |                      | Revize PBI                     |
| M.S Technologies, LLC/FORTUS/Wilbur-Ellis        |                |                                     |                                        |                                |                 |                       |                      |                                |
| Fortus 4125ES                                    | 4.1            | Enlist E3/STS                       | PI88788                                |                                | MT              | MT                    |                      | Acceleron Blend STD F&I/STEPUP |
| Fortus 4486E                                     | 4.4            | Enlist E3                           | PI88788                                | 1c                             | MT              | MR                    |                      | Acceleron Blend STD F&I/STEPUP |
| Fortus 4665ES                                    | 4.6            | Enlist E3/STS                       | PI88788                                | 1c                             | MT              | MT                    |                      | Acceleron Blend STD F&I/STEPUP |
| Fortus 4876ES                                    | 4.8            | Enlist E3/STS                       | PI88788                                |                                | MT              | MT                    |                      | Acceleron Blend STD F&I/STEPUP |
| Revere Seed - RevereSeed.com                     |                |                                     |                                        |                                |                 |                       |                      |                                |
| CATALYST CT3933E3                                | 3.9            | Enlist E3                           |                                        |                                |                 |                       |                      | Radius Premium                 |
| CATALYST CT4413E3S                               | 4.4            | Enlist E3/STS                       |                                        |                                |                 |                       | RKN                  | Radius Premium                 |
| CATALYST CT4925E3S                               | 4.9            | Enlist E3/STS                       |                                        |                                |                 |                       |                      | Radius Premium                 |
| Revere 42-E22                                    | 4.2            | Enlist E3                           | R3 + MR14                              | Rps 1k                         | 2               | MR                    | SC-R                 | Radius Premium                 |
| Revere 45-F29                                    | 4.5            | XTFlex/STS                          |                                        |                                |                 |                       |                      | Radius Premium                 |
| Revere 47-F77                                    | 4.7            | XTFlex                              | MR3 + MR14                             | Rps 1c                         | 3               | MT                    | SC-R                 | Radius Premium                 |
| Revere 47-E74                                    | 4.7            | Enlist E3                           |                                        |                                | 0.5             | MR                    | SC-R                 | Radius Premium                 |
| Revere 49-F36                                    | 4.9            | XTFlex                              | R3 + MR14                              | Rps 1c                         | 3               | MS                    | SC-R                 | Radius Premium                 |
| NuTech Seed - nutechseed.com                     |                |                                     |                                        |                                |                 |                       |                      |                                |
| NuTech 36N06E                                    | 3.6            | Enlist E3                           | PI88788                                | 1k                             | MT              | MR                    |                      | Luminesa, Gaucho, llevo        |
| NuTech 38N05E                                    | 3.8            | Enlist E3                           | PI88788                                | 1c                             | MT              | MR                    |                      | Luminesa, Gaucho, llevo        |
| NuTech 39N08E                                    | 3.9            | Enlist E3                           | PEKING                                 | 1k                             | MT              | MR                    |                      | Luminesa, Gaucho, llevo        |

*continued*

**Table 2.** (continued)

| VARIETY NAME                                      | Maturity Group | Herbicide Technologies <sup>B</sup> | Disease Resistance Traits <sup>C</sup> |                                |                 |                       | Other <sup>C,E</sup>    | Seed treatment(s)       |
|---------------------------------------------------|----------------|-------------------------------------|----------------------------------------|--------------------------------|-----------------|-----------------------|-------------------------|-------------------------|
|                                                   |                |                                     | Soybean Cyst Nematode resistance       | Phytophthora soja <sup>D</sup> |                 | Sudden death syndrome |                         |                         |
|                                                   |                |                                     |                                        | Resistance gene                | Field tolerance |                       |                         |                         |
| NuTech 41N04E                                     | 4.1            | Enlist E3                           | PI88788                                |                                | MT              | MR                    |                         | Luminesa, Gaucho, Ileva |
| NuTech 43N06E                                     | 4.3            | Enlist E3                           | PI88788                                | 1a                             | MT              | MR                    |                         | Luminesa, Gaucho, Ileva |
| NuTech 43N11BE                                    | 4.3            | Enlist E3/STS                       | PI88788                                | 1k                             | MT              | MR                    |                         | Luminesa, Gaucho, Ileva |
| NuTech 45N12E                                     | 4.5            | Enlist E3                           | PI88788                                | 1k                             | MT              | MR                    |                         | Luminesa, Gaucho, Ileva |
| NuTech 49N05E                                     | 4.9            | Enlist E3                           | PI88788                                | 1c                             | MT              | MR                    |                         | Luminesa, Gaucho, Ileva |
| Partners Brand Seed - partnersbrandseed.com       |                |                                     |                                        |                                |                 |                       |                         |                         |
| Impact 42E670N                                    | 4.2            | Enlist E3                           | PI88788                                |                                | MR              | MR                    | FLS - R, SC-R           | Alert 3030              |
| Pioneer Hi-Bred International, Inc. - pioneer.com |                |                                     |                                        |                                |                 |                       |                         |                         |
| PIONEER P37Z06E                                   | 3.7            | Enlist E3                           | PI88788                                | 1k                             | 5               | 6                     |                         | LUMIGEN                 |
| PIONEER P43Z44SE                                  | 4.3            | Enlist E3                           | PI88788                                | 1k                             | 5               | 6                     | STS                     | LUMIGEN                 |
| PIONEER P45Z75E                                   | 4.5            | Enlist E3                           | PI88788                                | 1k                             | 5               | 6                     |                         | LUMIGEN                 |
| PIONEER P47Z15BE                                  | 4.7            | Enlist E3                           | PI88788                                | 1k                             | 4               | 5                     | Bolt                    | LUMIGEN                 |
| PIONEER P49Z02E                                   | 4.9            | Enlist E3                           | PI88788                                | 1k                             | 4               | 7                     |                         | LUMIGEN                 |
| UniSouth Genetics, Inc. - usgseed.com             |                |                                     |                                        |                                |                 |                       |                         |                         |
| USG 7435XFS                                       | 4.3            | XTFlex/STS                          | R3, MR14                               | Rps1c                          | MS              | MR                    | MS-RKN, MR FELS, SC-R   | Lumisena, Imidacloprid  |
| USG 7466ETS                                       | 4.6            | Enlist E3/STS                       | R3, MR14                               | Rps1c                          |                 | MR                    | MR-FELS, SC-R           | Lumisena, Imidacloprid  |
| USG 7476XF                                        | 4.7            | XTFlex                              | R3, MR14                               | Rps1c                          |                 | MR                    | MR-FELS, SC-R           | Lumisena, Imidacloprid  |
| USG 7487XFS                                       | 4.8            | XTFlex/STS                          | R3, MR14                               | Rps1c                          |                 | MR                    | SC-R, Excluder, MR-FELS | Lumisena, Imidacloprid  |
| USG 7494ETS                                       | 4.9            | Enlist E3/STS                       | R3, MR14                               | Rps1c                          |                 | MR                    | SC-R, Excluder, MR-FELS | Lumisena, Imidacloprid  |
| USG 7495XFS                                       | 4.9            | XTFlex/STS                          | R3, MR14                               | Rps1c                          | MR              | MR                    | MR-FELS, SC-R           | Lumisena, Imidacloprid  |
| Winfield United - www.winfieldunited.com          |                |                                     |                                        |                                |                 |                       |                         |                         |
| CROPLAN CP 3620ES                                 | 3.6            | Enlist E3/STS                       |                                        |                                |                 |                       |                         | Warden CXII             |
| ARMOR 43-E66                                      | 4.3            | Enlist/E3                           | PI88788                                | Rps1a, 3a                      | 3               | 2                     |                         | Warden CXII             |
| ARMOR 48-E86S                                     | 4.8            | Enlist E3/STS                       |                                        |                                |                 |                       |                         | Warden CXII             |
| ARMOR 48-E95                                      | 4.8            | Enlist E3/STS                       | PI88788                                |                                | 1               | 2                     |                         | Warden CXII             |
| ARMOR 49-E15S                                     | 4.9            | Enlist E3/STS                       |                                        |                                |                 |                       |                         | Warden CXII             |
| ARMOR 50-E36S                                     | 5.0            | Enlist E3/STS                       | PI88788                                | Rps1k, 3c                      | 3               | 3                     |                         | Warden CXII             |

<sup>A</sup> This information is provided by the seed nominators and has not been verified by the soybean variety performance test program.

<sup>B</sup> Xtend/X/XT: dicamba-tolerant soybean variety; E3/Enlist: variety tolerant to Enlist Duo™ herbicide; RR2: second generation Roundup Ready 2 Yield soybean variety (introduced in 2009) ; SR/STS: sulfonylurea-tolerant soybean variety; XF/XTFlex/Xtend Flex: variety tolerant to dicamba, glyphosate and glufosinate herbicides.

<sup>C</sup> S: susceptible; MS: moderately susceptible; MT: moderately tolerant; T: tolerant; MR: moderately resistant; R: resistant; blank space: no information provided or information unknown.

<sup>D</sup> All races of Phytophthora sojae identified so far in Kentucky can be controlled with varieties in the Rps 1c or 1k. Race-specific resistance is highly effective but requires a proper match between pathogen race and soybean variety. Field tolerance is a lower level of protection that will provide good control against all races. Seed and young seedlings of tolerant soybean varieties must be protected with a fungicide since field tolerance develops after early seedling growth stages.

<sup>E</sup> FLS: frog eye leaf spot, RKN: root knot nematode, SC-R: stem canker resistant.

**Table 3. Agronomic test site information for six trials.**

| Location                                                |           | Daviess County          | Calloway County         | Fayette County          |
|---------------------------------------------------------|-----------|-------------------------|-------------------------|-------------------------|
| Region                                                  |           | Ohio Valley             | Purchase                | Bluegrass               |
| GPS coordinates                                         |           | 37.6958710, -87.2136078 | 36.613547, -88.3476384  | 38.1232510, -84.4908426 |
| Ag. practice                                            |           | Minimal tillage         | No-till                 | Conventional tillage    |
| Previous crop                                           |           | Corn                    | Corn / wheat cover      | Corn                    |
| Planting date                                           |           | 4/23/2025               | 4/22/2025               | 4/28/2025               |
| SCN (eggs/cup of soil, 250 cm3)                         |           | 0                       | 0                       | 0                       |
| Precipitation (in) & Temperature 'F (Average - Max/Min) | April     | 9.9 (59.3 - 85.3/31.7)  | 13.8 (61.1 - 85.3/34.0) | 10.8 (57.0 - 81.0/27.7) |
|                                                         | May       | 5.7 (65.6 - 86.7/48.1)  | 6.5 (65.5 - 83.9/42.6)  | 7.3 (62.4 - 82.8/40.8)  |
|                                                         | June      | 4.7 (76.3 - 92.8/55.3)  | 5.1 (76.8 - 92.9/59.4)  | 8.2 (74.8 - 94.0/46.2)  |
|                                                         | July      | 5.2 (79.6 - 93.2/64.0)  | 3.6 (80.8 - 94.0/64.5)  | 3.9 (79.0 - 91.9/63.3)  |
|                                                         | August    | 1.6 (73.8 - 94.1/45.5)  | 1.6 (76.1 - 97.2/49.6)  | 1.8 (73.1 - 92.4/45.2)  |
|                                                         | September | 2.8(70.7 - 94.2/43.6)   | 2.8(73.0 - 95.2/45.9)   | 2.7(69.6 - 90.4/45.0)   |
| Soil Properties:                                        |           |                         |                         |                         |
| Soil color (field observations)                         |           | black                   | brown                   | black                   |
| Soil type (USDA soil survey)                            |           | Patton silt loam        | Grenada silt loam       | Lanton silty clay loam  |
| Slope (USDA soil survey)                                |           | 0 to 2 %                | 0 to 2%                 | 0 to 2 %                |
| Soil texture                                            |           | silt loam               | silt loam               | silt loam               |
| Sand (%)                                                |           | 5.2                     | 7.2                     | 9.8                     |
| Silt (%)                                                |           | 77.7                    | 81.2                    | 72.2                    |
| Clay (%)                                                |           | 17.1                    | 11.6                    | 18.0                    |
| Soil water pH                                           |           | 6.1                     | 6.6                     | 6.4                     |
| Fertility:                                              |           |                         |                         |                         |
| Macronutrients (lbs/ac)                                 |           |                         |                         |                         |
| P                                                       |           | 85                      | 148                     | 305                     |
| K                                                       |           | 335                     | 350                     | 317                     |
| Ca                                                      |           | 5941                    | 3809                    | 8115                    |
| Mg                                                      |           | 604                     | 130                     | 482                     |
| Zn                                                      |           | 4.9                     | 6.9                     | 6.5                     |

*continued*



**Table 3.** (continued)

| <b>Location</b>                                                    |                  | Caldwell County         | Warren County            | Woodford County         |
|--------------------------------------------------------------------|------------------|-------------------------|--------------------------|-------------------------|
| <b>Region</b>                                                      |                  | West Coalfield          | Southern Tier            | North Central           |
| <b>GPS coordinates</b>                                             |                  | 37.0962754, -87.8649558 | 36.93068172, -86.4685919 | 38.0727597, -84.7396969 |
| <b>Ag. practice</b>                                                |                  | Conventional tillage    | No-till                  | No-till                 |
| <b>Previous crop</b>                                               |                  | Tobacco / wheat cover   | Corn                     | Corn                    |
| <b>Planting date</b>                                               |                  | 4/22/2025               | 5/6/2025                 | 5/7/2025                |
| <b>SCN (eggs/cup of soil, 250 cm3)</b>                             |                  | 0                       | 88                       | 0                       |
| <b>Precipitation (in) &amp; Temperature 'F (Average - Max/Min)</b> | <b>April</b>     | 14.3 (60.6 - 86.1/30.2) | 11.2 (61.2 - 85.7/31.9)  | 10.1 (57.8 - 81.2/28.0) |
|                                                                    | <b>May</b>       | 6.0 (65.6 - 85.4/43.4)  | 6.9 (65.8 - 85.9/43.1)   | 7.6 (62.9 - 82.7/45.0)  |
|                                                                    | <b>June</b>      | 6.5 (76.8 - 93.4/58.2)  | 3.5 (76.2 - 94.0/57.6)   | 3.3 (74.7 - 92.2/48.5)  |
|                                                                    | <b>July</b>      | 2.8 (81.0 - 94.0/64.8)  | 4.0 (80.6 - 93.8/65.7)   | 2.0 (79.8 - 92.2/64.8)  |
|                                                                    | <b>August</b>    | 0.5 (75.9 - 97.3/48.7)  | 0.2 (75.6 - 96.9/47.4)   | 2.0 (74.5 - 93.6/51.0)  |
|                                                                    | <b>September</b> | 4.3(72.7 - 95.9/46.7)   | 4.5(71.5 - 92.9/45.2)    | 3.0(71.2 - 89.2/47.7)   |
| <b>Soil Properties:</b>                                            |                  |                         |                          |                         |
| <b>Soil color (field observations)</b>                             |                  | brown red               | brown                    | dark brown              |
| <b>Soil type (USDA soil survey)</b>                                |                  | Crider silt loam        | Crider silt loam         | Lanton silt loam        |
| <b>Slope (USDA soil survey)</b>                                    |                  | 2 to 6 %                | 0 to 2%                  | 0 to 2%                 |
| <b>Soil texture</b>                                                |                  | silt loam               | silt loam                | silt loam               |
| <b>Sand (%)</b>                                                    |                  | 4.2                     | 5.8                      | 9.6                     |
| <b>Silt (%)</b>                                                    |                  | 80.2                    | 77.6                     | 76.4                    |
| <b>Clay (%)</b>                                                    |                  | 15.6                    | 16.6                     | 14.0                    |
| <b>Soil water pH</b>                                               |                  | 5.8                     | 6.6                      | 6.6                     |
| <b>Fertility:</b>                                                  |                  |                         |                          |                         |
| <b>Macronutrients (lbs/ac)</b>                                     |                  |                         |                          |                         |
| <b>P</b>                                                           |                  | 71                      | 86                       | 489                     |
| <b>K</b>                                                           |                  | 317                     | 236                      | 258                     |
| <b>Ca</b>                                                          |                  | 3381                    | 4035                     | 4571                    |
| <b>Mg</b>                                                          |                  | 199                     | 227                      | 586                     |
| <b>Zn</b>                                                          |                  | 3.4                     | 3.2                      | 3.8                     |

**Table 4. 2025 Kentucky Soybean Variety Trial - Early Maturity (MG 3.3 - 3.9).**

| Variety                  | MG  | Herbicide Technologies | Average*<br>Yield<br>(bu/a) | Daviess      | Warren      | Calloway    | Caldwell    | Woodford    | Fayette     | Protein     | Oil         | Height    | Lodging*   |
|--------------------------|-----|------------------------|-----------------------------|--------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-----------|------------|
|                          |     |                        |                             | Yield (bu/a) |             |             |             |             |             | %           | %           | (In)      |            |
| CROPLAN CP 3620ES        | 3.6 | Enlist E3/STS          | 69.2                        | 86.1         | 36.2        | 47.2        | 87.9        | 36.6        | 88.4        | 38.6        | 23.4        | 38        | 1.3        |
| Xitavo XO 3555E          | 3.5 | Enlist E3/STS          | 68.9                        | 81.3         | 41.9        | 51.6        | 87.8        | 37.0        | 86.7        | 38.9        | 23.8        | 37        | 1.2        |
| HS 39F50                 | 3.9 | XTFlex                 | 67.3                        | 85.6         | 35.2        | 47.2        | 80.3        | 39.1        | 84.2        | 40.4        | 22.8        | 40        | 1.3        |
| Innvictis B3805E         | 3.8 | Enlist E3/STS          | 67.1                        | 84.4         | 31.1        | 47.0        | 83.5        | 38.4        | 82.4        | 37.9        | 22.7        | 42        | 1.3        |
| HS 38E50                 | 3.8 | Enlist                 | 66.3                        | 84.7         | 30.2        | 50.2        | 72.6        | 37.6        | 86.2        | 39.6        | 22.5        | 42        | 1.1        |
| NuTech 38N05E            | 3.8 | Enlist E3              | 66.3                        | 78.8         | 33.6        | 42.7        | 86.8        | 37.5        | 85.5        | 38.4        | 24.2        | 40        | 1.0        |
| Dyna-Gro S38EN75         | 3.8 | Enlist E3              | 66.1                        | 76.5         | 36.5        | 45.0        | 85.4        | 39.3        | 84.2        | 38.8        | 23.3        | 38        | 1.2        |
| Connect / Alloy CT3526E  | 3.5 | Enlist E3/SR           | 66.0                        | 81.2         | 41.7        | 48.2        | 77.3        | 38.1        | 85.3        | 38.2        | 23.5        | 33        | 1.1        |
| NK36-Q6E3S               | 3.6 | Enlist E3/STS          | 65.9                        | 84.7         | 37.9        | 50.1        | 77.0        | 37.2        | 80.8        | 39.3        | 22.4        | 38        | 1.3        |
| Channel 3926RXF          | 3.9 | XTFlex/SR              | 65.9                        | 87.9         | 28.3        | 50.1        | 74.0        | 37.7        | 80.0        | 38.9        | 21.7        | 41        | 1.1        |
| Xitavo XO 3956E          | 3.9 | Enlist E3/STS          | 65.8                        | 77.9         | 30.0        | 49.7        | 79.4        | 38.8        | 83.2        | 38.6        | 23.4        | 42        | 1.1        |
| AgriGold G3854E3         | 3.8 | Enlist E3              | 65.7                        | 74.5         | 35.7        | 48.5        | 84.5        | 36.4        | 84.4        | 38.8        | 22.9        | 39        | 1.2        |
| Innvictis B3934E         | 3.9 | Enlist E3              | 65.6                        | 80.3         | 35.2        | 56.3        | 72.6        | 37.5        | 81.3        | 39.3        | 22.4        | 42        | 1.3        |
| HS 39E40                 | 3.9 | Enlist                 | 65.2                        | 75.8         | 44.1        | 51.4        | 78.1        | 39.0        | 81.9        | 39.0        | 22.7        | 36        | 1.0        |
| Golden Harvest GH3836E3S | 3.8 | Enlist E3/STS          | 64.7                        | 82.8         | 39.8        | 52.0        | 71.8        | 35.9        | 80.8        | 37.9        | 22.7        | 41        | 1.3        |
| AgriGold G3552XF         | 3.5 | XTFlex                 | 64.5                        | 80.0         | 32.1        | 50.9        | 74.3        | 37.3        | 79.8        | 40.3        | 23.3        | 43        | 1.2        |
| Xitavo XO 3655E          | 3.6 | Enlist E3/STS          | 64.2                        | 77.0         | 33.5        | 52.6        | 71.9        | 37.3        | 82.4        | 41.3        | 22.2        | 38        | 1.3        |
| NuTech 36N06E            | 3.6 | Enlist E3              | 64.0                        | 76.1         | 41.4        | 50.6        | 71.6        | 37.9        | 83.8        | 39.2        | 23.3        | 38        | 1.1        |
| Catalyst CT3933E3        | 3.9 | Enlist E3              | 63.8                        | 82.0         | 34.8        | 45.9        | 73.1        | 38.5        | 79.3        | 39.3        | 22.7        | 43        | 1.4        |
| HS 35E50                 | 3.5 | Enlist                 | 63.7                        | 80.7         | 44.2        | 49.5        | 66.1        | 38.7        | 83.6        | 38.4        | 23.6        | 34        | 1.0        |
| ASGROW AG36XF4           | 3.6 | XTFlex                 | 62.8                        | 80.6         | 33.9        | 45.2        | 69.4        | 37.4        | 81.1        | 39.8        | 22.3        | 41        | 1.1        |
| HS 37E40                 | 3.7 | Enlist                 | 62.6                        | 73.8         | 39.1        | 48.5        | 68.1        | 38.4        | 84.0        | 38.4        | 24.0        | 37        | 1.1        |
| NuTech 39N08E            | 3.9 | Enlist E3              | 62.5                        | 74.6         | 40.2        | 47.6        | 70.3        | 39.5        | 80.3        | 40.1        | 22.5        | 41        | 1.2        |
| HS 36F40                 | 3.6 | XTFlex                 | 61.9                        | 81.7         | 36.5        | 47.2        | 67.1        | 34.2        | 79.1        | 39.5        | 22.7        | 38        | 1.2        |
| AgriGold G3955XF         | 3.9 | XTFlex                 | 61.3                        | 76.7         | 30.9        | 45.0        | 73.3        | 34.7        | 77.0        | 39.2        | 22.3        | 36        | 1.1        |
| ASGROW AG33XF3           | 3.3 | XTFlex                 | 61.3                        | 77.9         | 33.8        | 50.4        | 64.1        | 35.0        | 79.2        | 39.5        | 23.3        | 39        | 1.2        |
| Golden Harvest GH3986XF  | 3.9 | XTFlex                 | 61.3                        | 70.4         | 35.1        | 55.7        | 63.0        | 37.4        | 80.0        | 40.0        | 22.1        | 37        | 1.0        |
| AgriGold G3425E3         | 3.4 | Enlist E3              | 60.0                        | 68.9         | 31.2        | 47.0        | 60.6        | 37.6        | 85.7        | 41.4        | 23.2        | 34        | 1.0        |
| ASGROW AG38XF6           | 3.8 | XTFlex                 | 59.7                        | 78.3         | 40.6        | 48.6        | 59.4        | 35.1        | 76.8        | 39.9        | 21.5        | 42        | 1.5        |
| PIONEER P37Z06E          | 3.7 | Enlist E3              | 59.0                        | 76.0         | 37.5        | 48.7        | 54.5        | 35.2        | 80.6        | 38.9        | 23.4        | 40        | 1.1        |
| <b>Average</b>           |     |                        | <b>64.3</b>                 | <b>79.2</b>  | <b>36.1</b> | <b>49.0</b> | <b>73.5</b> | <b>37.3</b> | <b>82.3</b> | <b>39.3</b> | <b>22.9</b> | <b>39</b> | <b>1.2</b> |
| C.V. (%)                 |     |                        | 6.7                         | 5.4          | 14.0        | 7.9         | 8.2         | 9.2         | 4.3         |             |             |           |            |
| LSD (0.10)               |     |                        | 2.0                         | 4.5          | 5.4         | 4.1         | 6.3         | 3.7         | 3.7         |             |             |           |            |

\* Summary of five trials - (Daviess, Calloway, Caldwell, Woodford and Fayette). Warren Co. excluded due to high variability.

Protein and Oil values (NIR) from 3 reps at Fayette County location.

Height measured at Fayette Co. location (3 reps).

Planting date: Daviess - 4/23/25; Warren - 5/6/25; Calloway - 4/22/25; Caldwell - 4/22/25; Woodford - 5/7/25; Fayette - 4/28/25.

Harvest date: Daviess - 9/20/25; Warren - 10/2/25; Calloway - 9/16/25; Caldwell - 9/17/25; Woodford - 9/30/25; Fayette - 9/19/2025.

Lodging scale: 1 = no lodging, 5 = 100% lodging.

**Warren trial data highly variable - do not use for variety selection.**

**Table 5. 2025 Kentucky Soybean Variety Trial - Medium Maturity (MG 4.0 - 4.5).**

| Variety                 | MG  | Herbicide Technologies | Average* Yield (bu/a) | Daviess      | Warren | Calloway | Caldwell | Woodford | Fayette | Protein | Oil  | Height | Lodging* |
|-------------------------|-----|------------------------|-----------------------|--------------|--------|----------|----------|----------|---------|---------|------|--------|----------|
|                         |     |                        |                       | Yield (bu/a) |        |          |          |          |         | %       | %    | (In)   |          |
| NuTech 41N04E           | 4.1 | Enlist E3              | 70.5                  | 88.6         | 39.2   | 61.4     | 70.1     | 42.3     | 89.5    | 38.4    | 22.8 | 44     | 1.6      |
| ASGROW AG42XF6          | 4.2 | XTFlex/SR              | 69.4                  | 93.1         | 37.9   | 60.2     | 69.8     | 42.9     | 81.4    | 37.9    | 22.6 | 44     | 1.2      |
| NuTech 45N12E           | 4.5 | Enlist E3              | 69.2                  | 89.8         | 31.2   | 60.3     | 82.9     | 45.1     | 81.7    | 37.2    | 23.0 | 43     | 1.8      |
| HS 42F50                | 4.2 | XTFlex                 | 68.0                  | 89.8         | 40.2   | 55.3     | 77.1     | 44.7     | 82.1    | 38.9    | 23.0 | 44     | 1.3      |
| NuTech 43N06E           | 4.3 | Enlist E3              | 67.0                  | 91.0         | 40.1   | 55.7     | 77.9     | 41.5     | 79.8    | 37.7    | 23.1 | 45     | 1.6      |
| HS 41F50                | 4.1 | XTFlex                 | 66.7                  | 97.8         | 38.7   | 50.7     | 73.8     | 42.8     | 75.5    | 39.8    | 23.8 | 45     | 1.3      |
| ASGROW AG40XF5          | 4.0 | XTFlex/SR              | 66.7                  | 94.2         | 37.9   | 49.1     | 67.9     | 39.7     | 83.7    | 38.8    | 24.0 | 43     | 1.6      |
| Donmario DM41E35S       | 4.1 | Enlist E3/STS          | 66.7                  | 86.7         | 36.0   | 58.3     | 78.1     | 42.8     | 78.9    | 39.6    | 22.5 | 44     | 1.4      |
| PIONEER P45Z75E         | 4.5 | Enlist E3              | 66.3                  | 99.8         | 36.9   | 56.8     | 71.0     | 31.8     | 76.8    | 37.9    | 21.9 | 46     | 1.6      |
| Innvictis A4534XF       | 4.5 | XTFlex                 | 65.5                  | 89.8         | 41.2   | 54.8     | 70.5     | 43.0     | 74.5    | 38.1    | 23.1 | 45     | 2.3      |
| NuTech 43N11BE          | 4.3 | Enlist E3/STS          | 65.4                  | 88.0         | 46.4   | 56.4     | 76.7     | 37.1     | 80.1    | 39.9    | 22.0 | 42     | 1.3      |
| AgriGold G4459E3        | 4.4 | Enlist E3              | 65.4                  | 87.0         | 32.5   | 61.2     | 61.4     | 37.4     | 75.8    | 37.8    | 22.6 | 42     | 1.3      |
| ASGROW AG43XF5          | 4.3 | XTFlex/SR              | 65.3                  | 87.3         | 41.3   | 57.3     | 78.8     | 38.5     | 78.1    | 38.2    | 22.3 | 43     | 1.4      |
| Revere 42-E22           | 4.2 | Enlist E3              | 65.2                  | 84.6         | 31.2   | 60.5     | 68.8     | 37.0     | 78.7    | 38.3    | 22.7 | 44     | 1.2      |
| Fortus 4125ES           | 4.1 | Enlist E3/STS          | 65.0                  | 82.5         | 35.1   | 57.7     | 53.8     | 40.1     | 79.7    | 38.6    | 23.2 | 38     | 1.1      |
| Revere 45-F29           | 4.5 | XTFlex/STS             | 64.7                  | 90.6         | 39.7   | 55.5     | 74.5     | 37.7     | 75.0    | 38.6    | 21.4 | 46     | 1.6      |
| Channel 4125RXF         | 4.1 | XTFlex/SR              | 64.5                  | 88.7         | 42.3   | 51.9     | 58.7     | 41.5     | 76.1    | 39.6    | 22.0 | 43     | 1.3      |
| Impact 42E670N          | 4.2 | Enlist E3              | 64.4                  | 88.9         | 45.3   | 53.8     | 79.8     | 39.7     | 75.4    | 37.8    | 23.5 | 44     | 1.4      |
| HS 44E40                | 4.4 | Enlist                 | 64.4                  | 86.7         | 40.9   | 52.2     | 74.2     | 41.9     | 76.9    | 39.4    | 23.9 | 47     | 1.6      |
| Dyna-Gro S43XF85S       | 4.3 | XTFlex/STS             | 64.2                  | 93.5         | 30.8   | 53.0     | 71.1     | 38.3     | 72.1    | 38.8    | 23.2 | 46     | 1.4      |
| Golden Harvest GH4093E3 | 4.0 | Enlist E3              | 64.2                  | 89.1         | 36.0   | 51.9     | 81.4     | 38.2     | 77.6    | 38.5    | 23.9 | 41     | 1.5      |
| PIONEER P43Z44SE        | 4.3 | Enlist E3              | 64.1                  | 87.1         | 42.8   | 53.0     | 82.3     | 40.9     | 75.3    | 38.3    | 21.8 | 42     | 1.1      |
| AgriGold G4430XF        | 4.4 | XTFlex                 | 64.0                  | 90.7         | 38.1   | 53.5     | 78.1     | 34.4     | 77.6    | 38.0    | 23.2 | 42     | 1.4      |
| Innvictis A4225E        | 4.2 | Enlist E3/STS          | 63.6                  | 80.9         | 42.8   | 52.2     | 76.8     | 41.8     | 79.6    | 38.4    | 23.1 | 39     | 1.3      |
| ARMOR 43E66             | 4.3 | Enlist/E3              | 63.5                  | 88.9         | 33.8   | 52.6     | 58.1     | 38.8     | 73.7    | 38.8    | 23.3 | 46     | 1.8      |
| ASGROW AG44XF4          | 4.4 | XTFlex/SR              | 63.4                  | 90.0         | 28.8   | 50.9     | 72.9     | 41.9     | 70.8    | 36.6    | 22.9 | 41     | 1.6      |
| Connect / Alloy CT4126E | 4.1 | Enlist E3/SR           | 63.2                  | 81.0         | 47.2   | 52.0     | 77.0     | 39.3     | 80.7    | 38.8    | 23.2 | 39     | 1.1      |
| USG 7435XFS             | 4.3 | XTFlex/STS             | 63.1                  | 88.2         | 28.5   | 53.5     | 61.5     | 39.1     | 71.5    | 38.0    | 23.5 | 44     | 1.5      |
| Xitavo XO 4056E         | 4.0 | Enlist E3/STS          | 63.0                  | 83.7         | 40.9   | 47.1     | 68.3     | 40.1     | 81.3    | 39.2    | 22.8 | 41     | 1.3      |

*continued*

**Table 5. (continued)**

| Variety                  | MG  | Herbicide Technologies | Average*<br>Yield<br>(bu/a) | Daviess      | Warren      | Calloway    | Caldwell    | Woodford    | Fayette     | Protein     | Oil         | Height    | Lodging*   |
|--------------------------|-----|------------------------|-----------------------------|--------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-----------|------------|
|                          |     |                        |                             | Yield (bu/a) |             |             |             |             |             | %           | %           | (In)      |            |
| Innvictis B4553E         | 4.5 | Enlist E3              | 63.0                        | 81.0         | 34.4        | 53.8        | 76.2        | 43.7        | 73.4        | 39.4        | 22.0        | 43        | 1.7        |
| Connect / Alloy CT4025E  | 4.0 | Enlist E3/SR           | 62.9                        | 78.6         | 39.9        | 51.6        | 59.2        | 42.1        | 79.4        | 39.1        | 23.1        | 38        | 1.2        |
| Dyna-Gro S41XF65         | 4.1 | XTFlex/STS             | 62.8                        | 86.0         | 44.6        | 50.8        | 71.4        | 38.2        | 76.0        | 38.3        | 23.1        | 42        | 1.6        |
| HS 41E40                 | 4.1 | Enlist                 | 62.3                        | 79.1         | 40.7        | 53.1        | 75.8        | 40.0        | 76.9        | 38.5        | 23.1        | 38        | 1.4        |
| Xitavo XO 4255E          | 4.2 | Enlist E3/STS          | 62.2                        | 87.1         | 34.9        | 49.7        | 64.5        | 35.4        | 76.5        | 39.0        | 22.2        | 43        | 1.8        |
| ASGROW A45E35            | 4.5 | Enlist E3/SR           | 62.2                        | 94.3         | 30.2        | 45.6        | 62.0        | 35.4        | 73.3        | 39.5        | 22.5        | 42        | 1.7        |
| Xitavo XO 4566E          | 4.5 | Enlist E3              | 61.8                        | 85.6         | 38.0        | 53.9        | 61.7        | 34.1        | 73.8        | 38.3        | 22.8        | 45        | 1.4        |
| Xitavo XO 4364E          | 4.3 | Enlist E3/STS          | 61.5                        | 87.8         | 31.1        | 48.4        | 53.8        | 35.9        | 74.0        | 37.5        | 23.4        | 42        | 1.3        |
| HS 40E30                 | 4.0 | Enlist                 | 61.3                        | 88.1         | 43.4        | 43.4        | 63.1        | 38.6        | 75.2        | 39.7        | 21.9        | 43        | 1.4        |
| HS 43E30                 | 4.3 | Enlist                 | 61.2                        | 86.9         | 36.0        | 45.1        | 68.6        | 36.7        | 76.1        | 37.2        | 23.3        | 43        | 1.7        |
| HS 45E50                 | 4.5 | Enlist                 | 61.1                        | 86.0         | 35.0        | 47.7        | 66.5        | 39.6        | 71.3        | 37.9        | 22.9        | 42        | 1.5        |
| Catalyst CT4413E3S       | 4.4 | Enlist E3/STS          | 60.8                        | 87.8         | 27.7        | 49.1        | 66.0        | 36.6        | 69.7        | 39.5        | 21.7        | 44        | 1.2        |
| Golden Harvest GH4214E3S | 4.2 | Enlist E3/STS          | 60.7                        | 83.6         | 21.4        | 45.9        | 81.4        | 37.0        | 76.4        | 37.5        | 24.2        | 44        | 1.4        |
| Xitavo XO 4405E          | 4.4 | Enlist E3              | 60.6                        | 80.7         | 29.4        | 52.4        | 55.1        | 35.7        | 73.4        | 38.7        | 23.0        | 42        | 1.6        |
| Golden Harvest GH4433E3S | 4.4 | Enlist E3/STS          | 60.5                        | 84.1         | 29.6        | 48.1        | 76.4        | 35.7        | 74.1        | 39.2        | 21.8        | 40        | 1.3        |
| Channel 4226RXF          | 4.2 | XTFlex/SR              | 60.5                        | 84.8         | 30.1        | 50.8        | 61.3        | 34.6        | 71.7        | 38.9        | 21.8        | 44        | 1.1        |
| Innvictis A4075E         | 4.0 | Enlist E3/STS          | 60.3                        | 83.5         | 40.1        | 44.5        | 75.5        | 36.2        | 77.1        | 39.7        | 21.9        | 39        | 1.3        |
| Innvictis A4411XF        | 4.4 | XTFlex                 | 60.1                        | 84.8         | 39.0        | 46.4        | 80.8        | 38.7        | 70.4        | 39.8        | 22.5        | 45        | 1.6        |
| Donmario 40F45S          | 4.0 | XTFlex/STS             | 59.9                        | 82.1         | 37.6        | 46.3        | 83.3        | 37.9        | 73.5        | 38.5        | 23.3        | 39        | 1.2        |
| Golden Harvest GH4546XFS | 4.5 | XTFlex/STS             | 58.8                        | 81.6         | 35.6        | 47.5        | 60.0        | 33.8        | 72.3        | 38.1        | 23.0        | 48        | 1.2        |
| Fortus 4486E             | 4.4 | Enlist E3              | 53.7                        | 75.7         | 33.2        | 41.9        | 76.5        | 31.4        | 65.9        | 37.4        | 22.5        | 47        | 1.6        |
| <b>Average</b>           |     |                        | <b>63.5</b>                 | <b>86.9</b>  | <b>36.7</b> | <b>52.1</b> | <b>70.6</b> | <b>38.7</b> | <b>76.2</b> | <b>38.5</b> | <b>22.8</b> | <b>43</b> | <b>1.4</b> |
| C.V. (%)                 |     |                        | 6.9                         | 6.2          | 19.3        | 9.8         | 10.5        | 8.8         | 4.2         |             |             |           |            |
| LSD (0.10)               |     |                        | 2.3                         | 5.7          | 7.5         | 5.4         | 7.8         | 3.6         | 3.4         |             |             |           |            |

\* Summary of four trials - (Daviess, Calloway, Woodford and Fayette). Warren & Caldwell Co. excluded due to high variability.

Protein and Oil values (NIR) from 3 reps at Fayette County location.

Height measured at Fayette Co. location (3 reps).

Planting date: Daviess - 4/23/25; Warren - 5/6/25; Calloway - 4/22/25; Caldwell - 4/22/25; Woodford - 5/7/25; Fayette - 4/28/25.

Harvest date: Daviess - 10/13/25; Warren - 10/2/25; Calloway - 9/16/25; Caldwell - 9/17/25; Woodford - 9/30/25; Fayette - 9/28/2025.

Lodging scale: 1 = no lodging, 5 = 100% lodging.

Warren & Caldwell trial data highly variable - do not use for variety selection.

**Table 6. 2025 Kentucky Soybean Variety Trial - Late Maturity (MG 4.6 - 5.0).**

| Variety                  | MG  | Herbicide Technologies | Average Yield (bu/a) | Daviess      | Warren | Calloway | Caldwell | Woodford | Fayette | Protein | Oil  | Height | Lodging* |
|--------------------------|-----|------------------------|----------------------|--------------|--------|----------|----------|----------|---------|---------|------|--------|----------|
|                          |     |                        |                      | Yield (bu/a) |        |          |          |          |         | %       | %    | (In)   |          |
| Revere 47-E74            | 4.7 | Enlist E3              | 65.0                 | 91.2         | 40.9   | 56.5     | 54.7     | 43.7     | 78.9    | 37.8    | 22.5 | 44     | 1.3      |
| Revere 47-F77            | 4.7 | XTFlex                 | 64.2                 | 94.5         | 42.8   | 54.1     | 56.0     | 43.8     | 72.5    | 37.4    | 22.3 | 47     | 2.2      |
| HS 48F40                 | 4.8 | XTFlex                 | 63.6                 | 92.2         | 51.1   | 56.7     | 50.8     | 42.0     | 76.4    | 38.3    | 21.9 | 47     | 2.2      |
| USG 7476XF               | 4.7 | XTFlex                 | 63.4                 | 88.2         | 49.0   | 52.3     | 52.8     | 44.3     | 79.2    | 38.0    | 22.8 | 42     | 1.8      |
| PIONEER P49Z02E          | 4.9 | Enlist E3              | 63.0                 | 87.7         | 39.4   | 54.1     | 54.1     | 38.6     | 80.8    | 38.1    | 21.6 | 42     | 1.3      |
| ARMOR 48-E95             | 4.8 | Enlist E3/STS          | 62.9                 | 89.0         | 36.4   | 55.6     | 55.0     | 40.1     | 74.8    | 37.4    | 22.5 | 44     | 1.2      |
| HS 50E40                 | 5.0 | Enlist                 | 62.8                 | 89.8         | 45.1   | 54.9     | 48.6     | 43.5     | 77.4    | 37.7    | 22.3 | 44     | 1.3      |
| Innvictis A4862XF        | 4.8 | XTFlex                 | 62.4                 | 89.2         | 38.1   | 51.1     | 52.6     | 42.6     | 76.4    | 37.3    | 22.8 | 43     | 1.4      |
| Revere 49-F36            | 4.9 | XTFlex                 | 62.3                 | 85.1         | 53.2   | 54.6     | 55.9     | 43.0     | 72.9    | 37.9    | 22.0 | 46     | 1.9      |
| HS 46F50                 | 4.6 | XTFlex                 | 62.3                 | 86.2         | 42.2   | 53.4     | 52.8     | 44.6     | 74.3    | 37.3    | 22.9 | 44     | 2.0      |
| Dyna-Gro S48XF35         | 4.8 | XTFlex                 | 61.5                 | 89.4         | 43.1   | 58.2     | 45.3     | 39.0     | 75.5    | 39.3    | 21.4 | 40     | 1.6      |
| NuTech 49N05E            | 4.9 | Enlist E3              | 61.3                 | 90.1         | 36.0   | 50.5     | 51.5     | 38.0     | 76.5    | 37.8    | 22.7 | 44     | 1.6      |
| Innvictis A4924XF        | 4.9 | XTFlex                 | 61.3                 | 92.2         | 34.5   | 44.1     | 50.6     | 43.8     | 76.0    | 39.0    | 22.1 | 44     | 1.4      |
| ARMOR 50-E36S            | 5.0 | Enlist E3/STS          | 61.3                 | 84.7         | 39.6   | 59.9     | 49.3     | 40.9     | 71.6    | 37.9    | 22.4 | 40     | 2.2      |
| PIONEER P47Z15BE         | 4.7 | Enlist E3              | 60.8                 | 88.3         | 42.6   | 51.0     | 56.2     | 34.6     | 73.8    | 38.3    | 21.4 | 44     | 1.4      |
| Xitavo XO 4736E          | 4.7 | Enlist E3              | 60.7                 | 90.2         | 43.3   | 55.5     | 46.5     | 38.4     | 72.8    | 38.3    | 22.1 | 50     | 2.6      |
| ASGROW AG48XF6           | 4.8 | XTFlex/SR              | 60.5                 | 85.4         | 42.9   | 53.3     | 54.4     | 42.1     | 67.3    | 38.1    | 22.1 | 48     | 1.6      |
| Donmario DM48F53         | 4.8 | XTFlex                 | 60.4                 | 81.3         | 47.7   | 49.6     | 53.2     | 40.8     | 77.0    | 37.0    | 22.6 | 42     | 1.8      |
| Xitavo XO 4653E          | 4.6 | Enlist E3/STS          | 60.2                 | 79.9         | 40.6   | 51.5     | 56.5     | 41.9     | 71.2    | 38.2    | 22.9 | 42     | 1.8      |
| HS 48E50                 | 4.8 | Enlist                 | 59.8                 | 85.8         | 42.3   | 51.0     | 45.8     | 45.9     | 70.5    | 36.4    | 23.0 | 47     | 2.5      |
| Golden Harvest GH4775E3S | 4.7 | Enlist E3/STS          | 59.7                 | 90.0         | 40.5   | 51.1     | 49.4     | 34.1     | 74.1    | 37.7    | 23.1 | 46     | 1.9      |
| Donmario DM47F44S        | 4.7 | XTFlex/STS             | 59.2                 | 89.7         | 41.1   | 49.8     | 46.7     | 38.5     | 71.5    | 38.0    | 22.0 | 48     | 1.7      |
| Dyna-Gro S47ES36         | 4.7 | Enlist E3/STS          | 59.1                 | 83.0         | 34.0   | 52.1     | 54.0     | 37.1     | 69.1    | 38.2    | 22.5 | 45     | 1.2      |
| ASGROW A49E34            | 4.9 | Enlist E3/SR           | 58.9                 | 85.1         | 37.9   | 51.5     | 48.0     | 40.0     | 70.0    | 39.2    | 21.6 | 49     | 1.8      |
| Fortus 4665ES            | 4.6 | Enlist E3/STS          | 58.6                 | 89.3         | 43.4   | 49.9     | 44.5     | 36.2     | 73.2    | 39.2    | 22.8 | 43     | 1.6      |
| Xitavo XO 4894E          | 4.8 | Enlist E3/STS          | 58.4                 | 84.7         | 36.4   | 53.1     | 45.1     | 38.7     | 70.3    | 39.3    | 21.4 | 47     | 1.8      |
| ARMOR 49-E15S            | 4.9 | Enlist E3/STS          | 58.3                 | 77.3         | 32.5   | 55.3     | 53.0     | 33.6     | 72.2    | 38.4    | 23.1 | 43     | 1.4      |
| Innvictis A4642XF        | 4.6 | XTFlex                 | 58.2                 | 81.4         | 40.1   | 46.7     | 52.5     | 41.1     | 69.1    | 38.2    | 21.4 | 47     | 1.6      |
| Innvictis B4744E         | 4.7 | Enlist E3              | 58.1                 | 87.5         | 38.7   | 47.5     | 47.5     | 36.7     | 71.5    | 37.9    | 23.2 | 45     | 1.8      |

*continued*

**Table 6. (continued)**

| Variety                  | MG  | Herbicide Technologies | Average*<br>Yield<br>(bu/a) | Daviess      | Warren      | Calloway    | Caldwell    | Woodford    | Fayette     | Protein     | Oil         | Height      | Lodging*   |
|--------------------------|-----|------------------------|-----------------------------|--------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------------|
|                          |     |                        |                             | Yield (bu/a) |             |             |             |             |             | %           | %           | (In)        |            |
| Golden Harvest GH5056E3S | 5.0 | Enlist E3/STS          | 58.1                        | 81.1         | 42.3        | 52.4        | 51.7        | 36.2        | 69.0        | 38.4        | 22.0        | 43          | 2.3        |
| USG 7494ETS              | 4.9 | Enlist E3/STS          | 58.0                        | 87.1         | 34.3        | 45.9        | 47.7        | 40.9        | 68.4        | 38.8        | 21.9        | 47          | 1.8        |
| USG 7466ETS              | 4.6 | Enlist E3/STS          | 58.0                        | 80.8         | 41.2        | 52.9        | 46.4        | 39.8        | 70.2        | 37.4        | 22.6        | 42          | 1.7        |
| Golden Harvest GH4766XFS | 4.7 | XTFlex/STS             | 57.5                        | 82.1         | 37.6        | 49.4        | 44.2        | 39.6        | 72.0        | 37.5        | 22.3        | 45          | 1.3        |
| ASGROW AG47E35           | 4.7 | Enlist E3/SR           | 56.8                        | 79.7         | 39.0        | 51.0        | 44.5        | 38.5        | 70.3        | 38.0        | 22.0        | 44          | 1.3        |
| Innvictis A4755XF        | 4.7 | XTFlex                 | 56.6                        | 86.1         | 35.7        | 48.1        | 40.9        | 35.2        | 72.6        | 37.8        | 21.9        | 43          | 1.3        |
| Fortus 4876ES            | 4.8 | Enlist E3/STS          | 56.5                        | 80.0         | 40.7        | 48.6        | 42.4        | 40.0        | 71.5        | 38.1        | 21.8        | 46          | 1.3        |
| ASGROW AG49XF6           | 4.9 | XTFlex/SR              | 56.4                        | 86.5         | 42.6        | 52.2        | 40.8        | 37.0        | 65.3        | 38.9        | 21.7        | 48          | 1.3        |
| HS 47E50                 | 4.7 | Enlist                 | 56.2                        | 77.9         | 32.3        | 53.6        | 45.8        | 39.6        | 64.1        | 37.3        | 22.7        | 45          | 1.3        |
| USG 7487XFS              | 4.8 | XTFlex/STS             | 55.6                        | 80.9         | 35.9        | 50.4        | 38.1        | 36.6        | 71.9        | 37.7        | 21.9        | 43          | 1.2        |
| ARMOR 48-E86S            | 4.8 | Enlist E3/STS          | 55.2                        | 75.6         | 38.3        | 47.8        | 45.4        | 39.2        | 68.0        | 36.6        | 23.1        | 44          | 1.8        |
| Catalyst CT4925E3S       | 4.9 | Enlist E3/STS          | 55.0                        | 74.7         | 41.5        | 51.0        | 46.3        | 36.2        | 66.9        | 38.3        | 23.3        | 44          | 1.2        |
| Golden Harvest GH4944XFS | 4.9 | XTFlex/STS             | 54.7                        | 80.9         | 39.8        | 49.4        | 42.4        | 31.4        | 69.4        | 38.6        | 22.0        | 43          | 1.1        |
| USG 7495XFS              | 4.9 | XTFlex/STS             | 52.5                        | 84.1         | 36.7        | 41.5        | 38.1        | 32.3        | 66.8        | 36.8        | 22.4        | 47          | 1.7        |
| <b>Average</b>           |     |                        | <b>59.4</b>                 | <b>85.2</b>  | <b>40.3</b> | <b>51.6</b> | <b>48.8</b> | <b>39.3</b> | <b>72.2</b> | <b>38.0</b> | <b>22.3</b> | <b>44.7</b> | <b>1.6</b> |
| C.V. (%)                 |     |                        | 7.1                         | 5.4          | 12.7        | 10.4        | 10.0        | 7.1         | 3.9         |             |             |             |            |
| LSD (0.10)               |     |                        | 2                           | 4.9          | 5.4         | 5.6         | 5.1         | 2.9         | 3.0         |             |             |             |            |

\* Summary of five trials - (Daviess, Calloway, Caldwell, Woodford and Fayette). Warren Co. excluded due to high variability.

Protein and Oil values (NIR) from 3 reps at Fayette County location.

Height measured at Fayette Co. location (3 reps).

Planting date: Daviess - 4/23/25; Warren - 5/6/25; Calloway - 4/22/25; Caldwell - 4/22/25; Woodford - 5/7/25; Fayette - 4/28/25.

Harvest date: Daviess - 10/13/25; Warren - 10/2/25; Calloway - 10/3/25; Caldwell - 10/3/25; Woodford - 10/1/25; Fayette - 9/29/2025.

Lodging scale: 1 = no lodging, 5 = 100% lodging.

Warren trial data highly variable - do not use for variety selection.



## Notes

This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

# 2025 Kentucky Soybean Variety Performance Trial

[varietytesting.mgcafe.uky.edu/soybean](http://varietytesting.mgcafe.uky.edu/soybean)



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