



2021 Soybean Variety Performance Trial Results

WHEAT TECH RESEARCH AND DEVELOPMENT DIVISION
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Wheat Tech Agronomy

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Wheat Tech Agronomy 2021 Soybean Variety Performance Test

General Information:

The 2021 Soybean Variety Performance Tests were conducted in five different locations: Charleston, MO, Columbus, IN, Cecilia, KY, LaFayette, KY, and Auburn, KY. The Charleston, MO, Columbus, IN, and Cecilia, KY locations were full season soybean tests, and the other two KY locations were true double cropped trials, following wheat.

The varieties were separated into three maturity groups: ≤ 4.4 , $4.5 - 4.7$, and ≥ 4.8 . There were a total of 19 varieties in Charleston, 39 varieties in Columbus, and 64 varieties in the Cecilia test. At the LaFayette, KY and the Auburn, KY location there were 54 varieties. The plots were planted four rows wide by 40 feet long with a Kincaid Voltra planter. The tests at all locations were replicated 4 times. The pre and post sprays were conducted by Wheat Tech. Locations were harvested using a Kincaid 8-XP combine with a HarvestMaster Classic GrainGage HM800 running the Mirus software. The following chart contains quick information about each location.

| Test Site: | MO Full Season | IN Full Season | KY Full Season | KY Double Crop (Early) | KY Double Crop (Late) |
|---------------------|--------------------------|------------------|------------------|------------------------|-----------------------|
| Location: | Charleston, MO | Columbus, IN | Cecilia, KY | LaFayette, KY | Auburn, KY |
| Planting Date: | 5/13/2021 | 5/14/2021 | 5/15/2021 | 6/24/2021 | 6/25/2021 |
| Harvest Date: | 10/8/2021 | 10/18/2021 | 10/19/2021 | 11/4/2021 | 11/9/2021 |
| Irrigation: | Yes | NO | NO | NO | NO |
| Previous Crop: | Soybeans | Corn | Corn | Wheat | Wheat |
| Soil Type: | Lilbourn fine sandy loam | Crosby silt loam | Crider silt loam | Crider silt loam | Pembroke silt loam |
| Tillage System: | No-till | No-till | No-till | No-till | No-till |
| Seeding Rate (s/a): | 140,000 | 140,000 | 140,000 | 160,000 | 160,000 |
| Row Space: | 15" | 15" | 15" | 15" | 15" |

Growing Season:

Our three full season plots had a great start through May and June. The soybeans emerged well and all of our plots received timely rain events, promoting vegetative growth and canopy closure. This lasted until mid-July when we experienced very droughty conditions. According to the Kentucky Mesonet Station in Elizabethtown, KY (kymesonet.org) there was 0.00" of rainfall from July 17 to August 8. Considering that our plots reached the R1 growth stage on/around July 7th, this time span encompasses growth stages R2-R5. Due to these dry conditions, we noticed a very high number of empty pods, along with pods that aborted one or two seeds.

While there was a lack of rainfall during this period, we still experienced high humidity, leading to a greater risk of disease infection. There was some Frogeye Leaf Spot and Sudden Death Syndrome (SDS) present at our Charleston, MO location, but the main disease came in the form of Cercospora Blight, which is a fungal disease (*Cercospora kikuchii*). While this pathogen overwinters on debris or seed, favorable conditions for disease development are warm temperatures and high humidity, as described above.

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Cercospora leaf blight was noticed at all three of our full season locations. Most likely, any yield reduction the plots faced came from the lack of moisture at crucial reproductive stages, but the Cercospora blight most certainly impacted the quality of the grain we harvested. This is reflected in lower than normal test weights; averages include 55.6 lbs/bu in Columbus, 53.5 lbs/bu in Charleston, and 55.0 lbs/bu in Cecilia. Also, according to https://www.pioneer.com/us/agronomy/cercospora_leaf_blight.html, “*Severely affected upper leaves may drop but the petioles remain on the plant; lower leaves of the plant remain green and attached...*” when referring to Cercospora blight. This drastically slows down harvest and reduces overall marketability of your grain. Ultimately, the Charleston, Columbus, and Cecilia plots yielded, on average, 73 bu/ac, 75 bu/ac, and 72 bu/ac, respectively.

The two double crop plots yielded very well this year. Located in LaFayette, KY, and Auburn, KY, average yields were 62 bu/ac and 68 bu/ac, respectively. Again in 2021, we conducted a fungicide treated vs. untreated test, placed at our LaFayette, KY (Kentucky Double Crop Early) location. The fungicide was applied at the R3 timing to the 4 “Treated” replications, while the 4 “Untreated” replications received no application. Even in the absence of disease, this test yielded an average of +2.5 bu/ac from a foliar fungicide application. No disease was present at any double crop locations.

In mid-late July, most of western/central KY recorded very large numbers of the moth of the Fall Armyworm (FAW) (*Spodoptera frugiperda*). Pheromone-based traps in Princeton showed “...152, 280, and now 340 FAW moths through the last 3 weeks (July 9 to July 30)” according to Kentucky Pest News. That being said, upon checking our Lafayette location on July 27th, we noticed approximately 30% defoliation due to Armyworms. A set of 25 sweeps with a sweep net yielded 50 Fall Armyworms of varying sizes. The plot was treated the next day (July 28th) with a combination of commercial pesticides. At that time, defoliation had grown to 60%. Throughout the rest of the season, the plots recovered from the defoliation (visually) but this incident led to much higher variability at the location, and a higher CV.

Data Interpretation:

The tables on the following pages have been prepared with the entries listed in order of performance, the highest-yielding entry being listed first. All yields presented have been adjusted to 13% moisture. At the bottom of the tables are three different values: LSD (Least Significant Difference), CV (Coefficient of Variation), and Grand Mean. The mean yields of any two varieties being compared must differ by at least the LSD amount shown to be considered different in yielding ability at the 5% level of probability of significance, which is represented by a letter to the right of the corresponding number. CV is a measure of the error variability found within each experiment. It is the ratio of the standard deviation to the mean. Grand Mean is the mean of all values in the group.

Wheat Tech Agronomy **Acknowledgements**

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Participating Companies:

AgriGold
Armor Seed
BASF (Credenz)
Bayer (ASGROW)
Beck's Hybrids
Brevant Seeds
Channel Seed
Corteva AgroSciences (Pioneer)
Erwin-Keith, Inc. (Progeny Ag Products)
GROWMARK, INC/ Brand = FS HiSOY
L&M Glick Seed
Mission Seed Solutions
NuTech Seed
Nutrien Ag Solutions (Dyna-Gro Seed)
Seed Consultants, Inc.
Stewart Seeds
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Director: Dr. Paul Woosley
Professor of Agronomy: Dr. Todd Willian

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FMC Corporation
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Kirsten Banks – Research Associate
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Wheat Tech Agronomy
2021 Kentucky Full Season Soybean Variety Test

Cecilia, KY

| Brand/Variety | RM‡ | Yield (BU/A) | TW‡ (LB/BU) | Plant HT‡ (IN) |
|--------------------------|------------|-------------------------|------------------------|---------------------------|
| AgriGold G4255RX | 4.2 | 83.8 a† | 54.7 | 32 |
| Dyna-Gro S46XS60 | 4.6 | 82.7 ab | 55.8 | 28 |
| FS HiSOY HS 46F00 | 4.6 | 82.3 abc | 55.3 | 32 |
| Dyna-Gro S48XT90 | 4.8 | 79.8 a-d | 56.3 | 30 |
| Progeny P 4921XFS | 4.9 | 79.7 a-e | 55.6 | 34 |
| Armor A48-D25 | 4.8 | 78.7 a-f | 55.1 | 30 |
| Pioneer variety P48T06SE | 4.8 | 77.9 b-g | 55.2 | 30 |
| Progeny P 5003XF | 5.0 | 77.4 b-h | 54.8 | 28 |
| Xitavo XO 3651E | 3.6 | 76.7 c-i | 55.2 | 30 |
| Dyna-Gro S43EN61 | 4.3 | 76.3 d-j | 54.6 | 29 |
| Pioneer variety P42T31E | 4.2 | 76.1 d-k | 55.1 | 30 |
| Armor A39-F73 | 3.9 | 75.9 d-l | 55.2 | 29 |
| Dyna-Gro S45ES10 | 4.5 | 75.3 d-m | 55.7 | 30 |
| AgriGold G4615XF | 4.6 | 75.2 d-m | 54.8 | 32 |
| CredeNZ CZ 4892XF | 4.7 | 75.1 d-m | 55.7 | 32 |
| Stewart 3731XF | 3.7 | 75.1 d-m | 55.0 | 31 |
| FS HiSOY HS 48E10 | 4.8 | 75.0 d-m | 55.3 | 34 |
| Stewart 3931XF | 3.9 | 75.0 d-m | 53.9 | 31 |
| Armor A48-F22 | 4.8 | 74.8 d-m | 54.9 | 32 |
| Asgrow AG40XF0 | 4.0 | 74.6 d-n | 54.8 | 29 |
| Asgrow AG42XF0 | 4.2 | 74.3 d-o | 55.1 | 34 |
| Progeny P 4806XFS | 4.8 | 74.1 e-o | 55.3 | 35 |
| Armor A45-D20 | 4.5 | 74.1 e-o | 54.9 | 30 |
| USG 7441XF | 4.4 | 74.0 f-o | 54.7 | 30 |
| AgriGold G4100XF | 4.1 | 73.7 f-o | 55.2 | 30 |
| NuTech 43N04E | 4.3 | 73.6 f-o | 54.5 | 30 |
| Dyna-Gro S43XS70 | 4.3 | 73.4 f-p | 55.1 | 32 |
| USG 7491XFS | 4.9 | 72.9 g-p | 55.6 | 33 |
| Armor A39-E75 | 3.9 | 72.8 g-p | 54.1 | 29 |
| Channel 4121RXF | 4.1 | 72.6 g-q | 54.6 | 34 |
| Armor A44-E44 | 4.4 | 72.6 g-q | 55.1 | 30 |
| Armor A46-F13 | 4.6 | 72.1 h-r | 54.9 | 32 |
| Progeny P 4821RX | 4.8 | 71.7 h-r | 55.8 | 31 |
| Dyna-Gro S46XF31S | 4.6 | 71.7 i-r | 55.8 | 33 |
| FS HiSOY HS 41F00 | 4.1 | 71.7 i-r | 54.6 | 31 |
| USG 7461XFS | 4.6 | 71.6 i-r | 54.6 | 32 |
| FS HiSOY HS 44F10 | 4.4 | 71.3 i-s | 55.4 | 32 |
| Progeny P 4505RXS | 4.5 | 71.3 i-s | 55.4 | 33 |
| NuTech 48N06E | 4.8 | 71.1 i-s | 55.5 | 29 |
| Progeny P 4604XFS | 4.6 | 71.1 i-s | 55.4 | 33 |
| Pioneer variety P45T88E | 4.5 | 71.1 i-s | 54.8 | 24 |
| NuTech 41N03E | 4.1 | 71.0 j-s | 54.9 | 31 |
| Xitavo XO 4371E | 4.3 | 71.0 j-t | 54.7 | 31 |

Wheat Tech Agronomy
2021 Kentucky Full Season Soybean Variety Test - Continued

Cecilia, KY

| Brand/Variety | RM‡ | Yield (BU/A) | TW‡ (LB/BU) | Plant HT‡ (IN) |
|-------------------------|-----|-----------------|----------------|-------------------|
| AgriGold G3957E3 | 3.9 | 70.9 j-t | 55.2 | 25 |
| Stewart 4231XF | 4.2 | 70.8 j-t | 54.6 | 32 |
| Xitavo XO 4681E | 4.6 | 70.8 j-t | 54.7 | 32 |
| NuTech 46N02E | 4.6 | 70.6 k-t | 54.7 | 29 |
| Asgrow AG40XF1 | 4.0 | 70.3 l-t | 54.9 | 32 |
| Progeny P 4816RX | 4.8 | 70.3 l-t | 55.6 | 32 |
| Pioneer variety P38T05E | 4.0 | 70.3 m-t | 54.8 | 25 |
| Xitavo XO 3861E | 3.8 | 70.2 m-t | 54.9 | 33 |
| FS HiSOY HS 40F10 | 4.0 | 69.8 m-t | 54.6 | 32 |
| Stewart 4730XF | 4.7 | 69.1 n-t | 55.5 | 31 |
| FS HiSOY HS 48F00 | 4.8 | 68.8 o-t | 55.5 | 31 |
| FS HiSOY HS 45E00 | 4.5 | 68.0 p-t | 55.8 | 27 |
| AgriGold G3990XF | 3.9 | 67.9 p-t | 53.8 | 33 |
| Credenz CZ 4912XF | 4.9 | 67.2 q-t | 55.8 | 43 |
| NuTech 39N05E | 3.9 | 67.1 q-t | 54.4 | 27 |
| Credenz CZ 4742XF | 4.7 | 66.6 rst | 56.0 | 36 |
| FS HiSOY HS 42E10 | 4.2 | 66.4 rst | 54.8 | 30 |
| NuTech 39N04E | 3.9 | 65.9 st | 54.4 | 27 |
| Asgrow AG38XF1 | 3.8 | 65.4 t | 54.4 | 28 |
| Progeny P 444RXS | 4.4 | 51.3 u | 54.8 | 29 |
| Channel 3921RXXF | 3.9 | 50.1 u | 54.5 | 28 |
| LSD P=.10 | | 5.7 | . | . |
| CV | | 6.7 | . | . |
| Grand Mean | | 72.2 | 55.0 | 31 |

Planted: May 15, 2021; Harvested: October 19, 2021

†Means followed by same letter do not significantly differ (P=.10, LSD)

‡Abbreviations: RM: Relative Maturity, TW: Test Weight, HT: Height

Wheat Tech Agronomy
2021 Kentucky Full Season Soybean Variety Test

Early Maturity Group (3.6-4.4)

| Brand/Variety | RM‡ | Yield (BU/A) | TW‡ (LB/BU) | Plant HT‡ (IN) |
|-------------------------|-----|-----------------|----------------|-------------------|
| AgriGold G4255RX | 4.2 | 83.6 a† | 54.7 | 32 |
| Xitavo XO 3651E | 3.6 | 76.7 b | 55.2 | 30 |
| Dyna-Gro S43EN61 | 4.3 | 76.3 b | 54.6 | 29 |
| Pioneer variety P42T31E | 4.2 | 76.1 bc | 55.1 | 30 |
| Armor A39-F73 | 3.9 | 75.9 bc | 55.2 | 29 |
| Stewart 3731XF | 3.7 | 75.1 bcd | 55.0 | 31 |
| Stewart 3931XF | 3.9 | 75.0 bcd | 53.9 | 31 |
| Asgrow AG40XF0 | 4.0 | 74.6 bcd | 54.8 | 29 |
| Asgrow AG42XF0 | 4.2 | 74.3 bcd | 55.1 | 34 |
| USG 7441XF | 4.4 | 73.8 b-e | 54.7 | 30 |
| NuTech 43N04E | 4.3 | 73.6 b-e | 54.5 | 30 |
| AgriGold G4100XF | 4.1 | 73.5 b-e | 55.2 | 30 |
| Dyna-Gro S43XS70 | 4.3 | 73.4 b-e | 55.1 | 32 |
| Armor A39-E75 | 3.9 | 72.8 b-f | 54.1 | 29 |
| Armor A44-E44 | 4.4 | 72.6 b-f | 55.1 | 30 |
| Channel 4121RXF | 4.1 | 72.5 b-f | 54.7 | 34 |
| FS HiSOY HS 41F00 | 4.1 | 71.7 b-g | 54.6 | 31 |
| FS HiSOY HS 44F10 | 4.4 | 71.3 b-g | 55.4 | 32 |
| Xitavo XO 4371E | 4.3 | 71.3 b-g | 54.7 | 31 |
| NuTech 41N03E | 4.1 | 71.0 b-h | 54.9 | 31 |
| AgriGold G3957E3 | 3.9 | 70.9 b-h | 55.2 | 25 |
| Stewart 4231XF | 4.2 | 70.8 b-h | 54.6 | 32 |
| Asgrow AG40XF1 | 4.0 | 70.3 c-h | 54.9 | 32 |
| Pioneer variety P38T05E | 4.0 | 70.3 c-h | 54.8 | 25 |
| Xitavo XO 3861E | 3.8 | 70.2 c-h | 54.9 | 33 |
| FS HiSOY HS 40F10 | 4.0 | 69.8 d-h | 54.6 | 32 |
| AgriGold G3990XF | 3.9 | 67.9 e-h | 53.8 | 33 |
| NuTech 39N05E | 3.9 | 67.1 fgh | 54.4 | 27 |
| FS HiSOY HS 42E10 | 4.2 | 66.4 gh | 54.8 | 30 |
| NuTech 39N04E | 3.9 | 65.9 gh | 54.4 | 27 |
| Asgrow AG38XF1 | 3.8 | 65.4 h | 54.4 | 28 |
| Progeny P 444RXS | 4.4 | 51.6 i | 54.8 | 29 |
| Channel 3921RXF | 3.9 | 50.4 i | 54.5 | 28 |
| LSD P=.10 | | 5.9 | . | . |
| CV | | 7.1 | . | . |
| Grand Mean | | 71.0 | 54.7 | 30 |

Planted: May 15, 2021; Harvested: October 19, 2021

†Means followed by same letter do not significantly differ (P=.10, LSD)

‡Abbreviations: RM: Relative Maturity, TW: Test Weight, HT: Height

Wheat Tech Agronomy
2021 Kentucky Full Season Soybean Variety Test
Medium Maturity Group (4.5-4.7)

| Brand/Variety | RM‡ | Yield (BU/A) | TW‡ (LB/BU) | Plant HT‡ (IN) |
|-------------------------|-----|-----------------|----------------|-------------------|
| Dyna-Gro S46XS60 | 4.6 | 82.7 a† | 55.8 | 28 |
| FS HiSOY HS 46F00 | 4.6 | 82.3 a | 55.3 | 32 |
| Dyna-Gro S45ES10 | 4.5 | 75.3 b | 55.7 | 30 |
| AgriGold G4615XF | 4.6 | 75.2 b | 54.8 | 32 |
| Credenz CZ 4892XF | 4.7 | 75.1 bc | 55.7 | 32 |
| Armor A45-D20 | 4.5 | 74.1 bcd | 54.9 | 30 |
| Armor A46-F13 | 4.6 | 72.1 b-e | 54.9 | 32 |
| Dyna-Gro S46XF31S | 4.6 | 71.7 b-f | 55.8 | 33 |
| USG 7461XFS | 4.6 | 71.6 b-f | 54.6 | 32 |
| Progeny P 4505RXS | 4.5 | 71.3 c-f | 55.4 | 33 |
| Progeny P 4604XFS | 4.6 | 71.1 def | 55.4 | 33 |
| Pioneer variety P45T88E | 4.5 | 71.1 def | 54.8 | 24 |
| Xitavo XO 4681E | 4.6 | 70.8 def | 54.7 | 32 |
| NuTech 46N02E | 4.6 | 70.6 def | 54.7 | 29 |
| Stewart 4730XF | 4.7 | 69.1 efg | 55.5 | 31 |
| FS HiSOY HS 45E00 | 4.5 | 68.0 fg | 55.8 | 27 |
| Credenz CZ 4742XF | 4.7 | 66.6 g | 56.0 | 36 |
| LSD P=.10 | | 3.9 | . | . |
| CV | | 4.5 | . | . |
| Grand Mean | | 72.9 | 55.3 | 31 |

Planted: May 15, 2021; Harvested: October 19, 2021

†Means followed by same letter do not significantly differ (P=.10, LSD)

‡Abbreviations: RM: Relative Maturity, TW: Test Weight, HT: Height

2021 Kentucky Full Season Soybean Variety Test
Late Maturity Group (4.8-5.0)

| Brand/Variety | RM‡ | Yield (BU/A) | TW‡ (LB/BU) | Plant HT‡ (IN) |
|--------------------------|-----|-----------------|----------------|-------------------|
| Dyna-Gro S48XT90 | 4.8 | 79.8 a† | 56.3 | 30 |
| Progeny P 4921XFS | 4.9 | 79.0 ab | 55.6 | 34 |
| Armor A48-D25 | 4.8 | 78.7 ab | 55.1 | 30 |
| Pioneer variety P48T06SE | 4.8 | 77.9 abc | 55.2 | 30 |
| Progeny P 5003XF | 5.0 | 77.4 abc | 54.8 | 28 |
| FS HiSOY HS 48E10 | 4.8 | 75.0 a-d | 55.3 | 34 |
| Armor A48-F22 | 4.8 | 74.8 a-d | 54.9 | 32 |
| Progeny P 4806XFS | 4.8 | 74.1 a-d | 55.3 | 35 |
| USG 7491XFS | 4.9 | 72.9 b-e | 55.6 | 33 |
| Progeny P 4821RX | 4.8 | 71.7 cde | 55.8 | 31 |
| NuTech 48N06E | 4.8 | 71.1 de | 55.5 | 29 |
| Progeny P 4816RX | 4.8 | 70.3 de | 55.6 | 32 |
| FS HiSOY HS 48F00 | 4.8 | 68.8 de | 55.5 | 31 |
| Credenz CZ 4912XF | 4.9 | 67.2 e | 55.8 | 43 |
| LSD P=.10 | | 6.3 | . | . |
| CV | | 7.1 | . | . |
| Grand Mean | | 74.2 | 55.4 | 32 |

Planted: May 15, 2021; Harvested: October 19, 2021

†Means followed by same letter do not significantly differ (P=.10, LSD)

‡Abbreviations: RM: Relative Maturity, TW: Test Weight, HT: Height

Wheat Tech Agronomy

2021 KY Double Crop (Early) Soybean Variety Fungicide Treated (T) vs Untreated (UT)

Lafayette, KY

| Brand/Variety | RM‡ | T Yield (BU/A) | UT Yield (BU/A) | Yield Resp. (BU/A) | T TW‡ (LB/BU) | UT TW‡ (LB/BU) | T Plant HT‡ (IN) | UT Plant HT‡ (IN) |
|--------------------------|-----|-------------------|--------------------|--------------------------|------------------|-------------------|---------------------|----------------------|
| Pioneer variety P42T31E | 4.2 | 77.4 a† | 71.2 abc† | 6.2 | 56.2 | 56.4 | 33 | 28 |
| Brevant B421EE | 4.2 | 76.8 a | 69.5 a-g | 7.3 | 56.2 | 56.0 | 32 | 27 |
| Progeny P 4604XFS | 4.6 | 76.7 a | 69.7 a-f | 7.0 | 57.2 | 57.1 | 35 | 35 |
| NuTech 43N04E | 4.3 | 76.0 a | 73.1 ab | 2.9 | 56.1 | 56.1 | 31 | 29 |
| Armor A48-D25 | 4.8 | 74.8 ab | 70.5 a-d | 4.3 | 56.4 | 56.8 | 32 | 33 |
| Asgrow AG42XF0 | 4.2 | 73.6 abc | 72.6 ab | 1.0 | 56.2 | 56.7 | 31 | 31 |
| Asgrow AG47XF0 | 4.8 | 73.4 a-d | 66.0 b-j | 7.4 | 56.5 | 56.8 | 32 | 33 |
| Dyna-Gro S48XT90 | 4.8 | 72.5 a-d | 70.0 a-e | 2.5 | 57.4 | 57.7 | 32 | 27 |
| Progeny P 4505RXS | 4.5 | 72.1 a-e | 66.9 b-i | 5.2 | 57.3 | 57.6 | 31 | 33 |
| Progeny P 5003XF | 5.0 | 71.2 a-f | 76.3 a | -5.1 | 56.7 | 57.2 | 30 | 29 |
| Dyna-Gro S46XF31S | 4.6 | 71.1 a-f | 66.4 b-i | 4.7 | 57.3 | 57.3 | 34 | 34 |
| AgriGold G4255RX | 4.2 | 68.9 b-g | 63.4 d-o | 5.5 | 57.1 | 57.6 | 30 | 30 |
| AgriGold G4615XF | 4.6 | 67.8 c-h | 65.9 b-k | 1.9 | 57.6 | 57.5 | 33 | 31 |
| Progeny P 4816RX | 4.8 | 67.6 c-i | 63.0 d-o | 4.6 | 56.5 | 56.3 | 27 | 27 |
| USG 7461XFS | 4.6 | 67.4 c-j | 63.9 c-m | 3.5 | 56.9 | 57.2 | 31 | 31 |
| Armor A48-F22 | 4.8 | 67.2 d-j | 62.8 e-o | 4.4 | 56.9 | 56.9 | 30 | 31 |
| Progeny P 4806XFS | 4.8 | 67.1 d-j | 70.3 a-e | -3.2 | 57.4 | 57.1 | 30 | 33 |
| Progeny P 4921XFS | 4.9 | 65.9 e-k | 64.2 c-m | 1.7 | 57.3 | 57.9 | 31 | 30 |
| Progeny P 444RXS | 4.4 | 65.9 e-k | 63.7 c-m | 2.2 | 57.0 | 56.8 | 31 | 30 |
| Pioneer variety P47T39SE | 4.7 | 65.8 e-k | 63.0 d-o | 2.8 | 56.9 | 56.7 | 30 | 29 |
| Channel 4720RXF | 4.7 | 65.8 e-k | 62.9 e-o | 2.9 | 57.8 | 57.2 | 32 | 29 |
| Dyna-Gro S45ES10 | 4.5 | 65.8 e-k | 64.7 c-l | 1.1 | 57.9 | 57.7 | 28 | 30 |
| Stewart 4730XF | 4.7 | 65.7 f-k | 68.0 b-h | -2.3 | 57.2 | 57.6 | 30 | 29 |
| Stewart 4442XF | 4.4 | 65.6 f-k | 63.8 c-m | 1.8 | 57.0 | 57.2 | 30 | 27 |
| AgriGold G4100XF | 4.1 | 65.5 f-k | 61.4 h-q | 4.1 | 57.7 | 57.2 | 32 | 31 |
| Armor A45-D20 | 4.5 | 65.4 f-k | 46.6 w | 18.8 | 57.2 | 57.4 | 30 | 28 |
| NuTech 48N06E | 4.8 | 64.5 g-l | 61.4 h-q | 3.1 | 56.7 | 57.2 | 27 | 29 |
| Dyna-Gro S43XS70 | 4.3 | 64.0 g-m | 58.7 j-s | 5.3 | 57.3 | 57.4 | 28 | 30 |
| AgriGold G4813XF | 4.8 | 64.0 g-m | 61.9 g-o | 2.1 | 57.2 | 57.0 | 31 | 31 |
| Pioneer variety P48T06SE | 4.8 | 63.8 g-m | 61.9 h-p | 1.9 | 57.4 | 57.5 | 30 | 28 |
| Armor A44-F82 | 4.4 | 63.7 g-m | 64.0 c-m | -0.3 | 56.9 | 56.9 | 32 | 29 |
| Channel 4422RXF | 4.4 | 62.9 g-n | 58.5 k-s | 4.4 | 57.3 | 57.1 | 32 | 31 |
| NuTech 45N08E | 4.5 | 61.5 h-o | 53.5 r-w | 8.0 | 57.1 | 57.5 | 27 | 27 |
| Brevant B400EE | 4.0 | 61.5 h-o | 60.1 i-r | 1.4 | 56.0 | 55.6 | 26 | 26 |
| Dyna-Gro S46XS60 | 4.6 | 61.4 i-o | 58.5 j-s | 2.9 | 57.0 | 57.4 | 27 | 25 |
| Asgrow AG48XF0 | 4.8 | 61.3 i-o | 58.0 l-t | 3.3 | 56.9 | 57.5 | 32 | 30 |
| Armor A46-F13 | 4.6 | 61.3 i-o | 58.1 l-t | 3.2 | 57.5 | 57.3 | 29 | 32 |
| USG 7491XFS | 4.9 | 61.2 j-o | 63.6 d-n | -2.4 | 57.1 | 57.1 | 30 | 32 |
| Brevant B470EE | 4.7 | 60.5 k-p | 62.3 f-o | -1.8 | 57.4 | 57.6 | 25 | 29 |
| NuTech 41N03E | 4.1 | 60.1 k-p | 59.7 i-r | 0.4 | 56.2 | 56.6 | 28 | 28 |

Wheat Tech Agronomy
2021 KY Double Crop (Early) Soybean Variety Fungicide Treated (T) vs Untreated (UT) –
Continued

Lafayette, KY

| Brand/Variety | RM‡ | T Yield (BU/A) | UT Yield (BU/A) | Yield Resp. (BU/A) | T TW‡ (LB/BU) | UT TW‡ (LB/BU) | T Plant HT‡ (IN) | UT Plant HT‡ (IN) |
|-------------------------|-----|-------------------|--------------------|--------------------------|------------------|-------------------|---------------------|----------------------|
| USG 7441XF | 4.4 | 59.6 k-p | 61.9 h-p | -2.3 | 57.0 | 57.3 | 29 | 30 |
| Progeny P 4821RX | 4.8 | 58.6 l-p | 61.4 h-q | -2.8 | 56.9 | 57.0 | 33 | 34 |
| AgriGold G4359E3 | 4.3 | 58.2 l-p | 60.1 i-r | -1.9 | 55.9 | 56.6 | 25 | 29 |
| Stewart 4231XF | 4.2 | 58.0 m-q | 57.0 m-u | 1.0 | 58.2 | 58.6 | 31 | 30 |
| Pioneer variety P45T88E | 4.5 | 57.0 n-q | 52.7 r-w | 4.3 | 57.8 | 56.8 | 27 | 25 |
| Brevant B389EE | 3.8 | 56.8 n-q | 54.0 q-w | 2.8 | 56.6 | 56.2 | 29 | 31 |
| NuTech 46N02E | 4.6 | 56.6 n-q | 50.7 t-w | 5.9 | 57.4 | 57.7 | 25 | 24 |
| Stewart 3931XF | 3.9 | 56.5 opq | 56.0 n-v | 0.5 | 56.6 | 56.9 | 30 | 32 |
| Asgrow AG45XF0 | 4.7 | 56.1 o-r | 55.8 o-v | 0.3 | 58.0 | 57.6 | 29 | 31 |
| Asgrow AG43XF2 | 4.3 | 55.8 o-r | 58.4 k-s | -2.6 | 56.7 | 56.8 | 24 | 26 |
| Brevant B459EE | 4.5 | 55.3 o-r | 50.4 uvw | 4.9 | 57.0 | 56.8 | 26 | 24 |
| Dyna-Gro S43EN61 | 4.3 | 54.5 pqr | 49.3 vw | 5.2 | 57.8 | 57.7 | 32 | 30 |
| AgriGold G4655E3 | 4.6 | 51.8 qr | 51.2 s-w | 0.6 | 58.3 | 58.5 | 26 | 30 |
| Brevant B450EE | 4.5 | 50.2 r | 54.3 p-v | -4.1 | 57.9 | 57.5 | 24 | 23 |
| LSD P=.10 | | 6.3 | 7.6 | . | . | . | . | . |
| CV | | 8.4 | 10.5 | . | . | . | . | . |
| Grand Mean | | 64.3 | 61.7 | 2.5 | 57.1 | 57.1 | 30 | 29 |

Planted: June 24, 2021; Harvested: November 4, 2021

†Means followed by same letter do not significantly differ (P=.10, LSD)

‡Abbreviations: RM: Relative Maturity, TW: Test Weight, HT: Height

-Treated replications were sprayed on 8/26/2021.

Wheat Tech Agronomy
2021 KY Double Crop (Late) Soybean Variety Test

Auburn, KY

| Brand/Variety | RM‡ | Yield (BU/A) | TW‡ (LB/BU) | Plant HT‡ (IN) |
|--------------------------|------------|-------------------------|------------------------|---------------------------|
| USG 7461XFS | 4.6 | 77.1 a† | 56.6 | 37 |
| Dyna-Gro S48XT90 | 4.8 | 76.8 a | 56.9 | 32 |
| Progeny P 4604XFS | 4.6 | 76.0 ab | 56.4 | 40 |
| NuTech 43N04E | 4.3 | 76.0 ab | 55.4 | 32 |
| Brevant B421EE | 4.2 | 75.0 abc | 55.6 | 33 |
| Stewart 4730XF | 4.7 | 74.8 a-d | 56.5 | 37 |
| Armor A46-F13 | 4.6 | 74.5 a-d | 56.9 | 37 |
| Armor A48-F22 | 4.8 | 74.2 a-d | 56.7 | 34 |
| AgriGold G4615XF | 4.6 | 74.1 a-e | 56.6 | 37 |
| Progeny P 4816RX | 4.8 | 73.8 a-f | 56.7 | 31 |
| Progeny P 444RXS | 4.4 | 73.1 a-g | 56.0 | 34 |
| Dyna-Gro S46XF31S | 4.6 | 72.9 a-h | 56.7 | 38 |
| Dyna-Gro S43XS70 | 4.3 | 72.2 b-i | 56.1 | 35 |
| Dyna-Gro S45ES10 | 4.5 | 71.5 c-j | 56.7 | 35 |
| Progeny P 4806XFS | 4.8 | 71.2 c-k | 56.3 | 33 |
| Dyna-Gro S46XS60 | 4.6 | 71.0 c-l | 55.9 | 32 |
| Stewart 4442XF | 4.4 | 70.9 c-m | 56.0 | 33 |
| Pioneer variety P42T31E | 4.2 | 70.6 d-m | 55.4 | 31 |
| Pioneer variety P47T39SE | 4.7 | 69.8 e-n | 55.9 | 33 |
| Progeny P 5003XF | 5.0 | 69.5 f-o | 56.5 | 33 |
| Progeny P 4505RXS | 4.5 | 69.2 g-o | 56.9 | 38 |
| Asgrow AG43XF2 | 4.3 | 69.1 g-o | 55.6 | 31 |
| Armor A44-F82 | 4.4 | 68.9 g-o | 56.3 | 32 |
| AgriGold G4255RX | 4.2 | 68.7 h-o | 56.2 | 33 |
| USG 7491XFS | 4.9 | 68.5 i-o | 56.5 | 34 |
| Channel 4720RXF | 4.7 | 68.2 i-p | 56.0 | 36 |
| AgriGold G4813XF | 4.8 | 68.2 i-p | 56.1 | 33 |
| Armor A48-D25 | 4.8 | 67.8 j-q | 56.4 | 34 |
| AgriGold G4100XF | 4.1 | 67.8 j-q | 56.5 | 34 |
| USG 7441XF | 4.4 | 67.7 j-q | 56.3 | 35 |
| NuTech 46N02E | 4.6 | 67.3 j-q | 56.2 | 28 |
| Asgrow AG47XF0 | 4.8 | 67.2 k-r | 56.5 | 34 |
| Channel 4422RXF | 4.4 | 66.9 k-r | 56.6 | 33 |
| Asgrow AG42XF0 | 4.2 | 66.8 l-r | 55.4 | 33 |
| Asgrow AG48XF0 | 4.8 | 66.7 m-r | 56.9 | 37 |
| Progeny P 4921XFS | 4.9 | 66.1 n-s | 57.3 | 34 |
| Brevant B450EE | 4.5 | 66.0 n-s | 55.9 | 26 |
| NuTech 45N08E | 4.5 | 65.4 o-t | 56.3 | 34 |
| Pioneer variety P45T88E | 4.5 | 65.4 o-t | 56.5 | 29 |
| NuTech 41N03E | 4.1 | 64.0 p-u | 56.3 | 30 |
| Armor A45-D20 | 4.5 | 63.9 q-u | 56.9 | 35 |
| Progeny P 4821RX | 4.8 | 62.9 r-u | 56.1 | 36 |
| NuTech 48N06E | 4.8 | 62.9 r-u | 56.4 | 32 |

Wheat Tech Agronomy
2021 KY Double Crop (Late) Soybean Variety Test - Continued

Auburn, KY

| Brand/Variety | RM‡ | Yield (BU/A) | TW‡ (LB/BU) | Plant HT‡ (IN) | |
|--------------------------|-----|-----------------|----------------|-------------------|-----------|
| Brevant B459EE | 4.5 | 62.9 | r-u | 55.6 | 29 |
| Asgrow AG45XF0 | 4.7 | 62.1 | s-v | 56.8 | 37 |
| Brevant B470EE | 4.7 | 61.9 | s-v | 56.5 | 29 |
| AgriGold G4655E3 | 4.6 | 61.5 | t-w | 56.6 | 32 |
| AgriGold G4359E3 | 4.3 | 61.5 | t-w | 55.4 | 31 |
| Stewart 4231XF | 4.2 | 61.2 | t-w | 56.4 | 34 |
| Pioneer variety P48T06SE | 4.8 | 61.2 | t-w | 56.6 | 30 |
| Dyna-Gro S43EN61 | 4.3 | 59.8 | u-x | 56.5 | 31 |
| Brevant B400EE | 4.0 | 57.8 | vwx | 54.7 | 26 |
| Brevant B389EE | 3.8 | 57.5 | wx | 55.1 | 27 |
| Stewart 3931XF | 3.9 | 56.5 | x | 56.0 | 30 |
| LSD P=.10 | | 4.3 | . | . | |
| CV | | 5.4 | . | . | |
| Grand Mean | | 67.9 | | 56.3 | 33 |

Planted: June 25, 2021; Harvested: November 9, 2021

†Means followed by same letter do not significantly differ (P=.10, LSD)

‡Abbreviations: RM: Relative Maturity, TW: Test Weight, HT: Height

Wheat Tech Agronomy
2021 KY DC Two Location Average Soybean Variety Test

Lafayette, KY and Auburn, KY

| Brand/Variety | RM‡ | Yield (BU/A) | TW‡ (LB/BU) | Plant HT‡ (IN) |
|--------------------------|------------|-------------------------|------------------------|---------------------------|
| NuTech 43N04E | 4.3 | 74.6 | 55.8 | 31 |
| Dyna-Gro S48XT90 | 4.8 | 73.4 | 57.3 | 30 |
| Progeny P 5003XF | 5.0 | 72.9 | 56.9 | 31 |
| Progeny P 4604XFS | 4.6 | 72.9 | 56.8 | 38 |
| Brevant B421EE | 4.2 | 72.3 | 55.8 | 30 |
| Stewart 4730XF | 4.7 | 71.4 | 57.1 | 33 |
| Pioneer variety P42T31E | 4.2 | 70.9 | 55.9 | 30 |
| Progeny P 4806XFS | 4.8 | 70.8 | 56.7 | 33 |
| USG 7461XFS | 4.6 | 70.5 | 56.9 | 34 |
| AgriGold G4615XF | 4.6 | 70.0 | 57.1 | 34 |
| Asgrow AG42XF0 | 4.2 | 69.7 | 56.1 | 32 |
| Dyna-Gro S46XF31S | 4.6 | 69.7 | 57.0 | 36 |
| Armor A48-D25 | 4.8 | 69.2 | 56.6 | 34 |
| Armor A48-F22 | 4.8 | 68.5 | 56.8 | 33 |
| Progeny P 444RXS | 4.4 | 68.4 | 56.4 | 32 |
| Progeny P 4816RX | 4.8 | 68.4 | 56.5 | 29 |
| Dyna-Gro S45ES10 | 4.5 | 68.1 | 57.2 | 33 |
| Progeny P 4505RXS | 4.5 | 68.1 | 57.3 | 36 |
| Stewart 4442XF | 4.4 | 67.4 | 56.6 | 30 |
| Asgrow AG47XF0 | 4.8 | 66.6 | 56.7 | 34 |
| Armor A44-F82 | 4.4 | 66.5 | 56.6 | 31 |
| Pioneer variety P47T39SE | 4.7 | 66.4 | 56.3 | 31 |
| Armor A46-F13 | 4.6 | 66.3 | 57.1 | 35 |
| AgriGold G4255RX | 4.2 | 66.1 | 56.9 | 32 |
| USG 7491XFS | 4.9 | 66.1 | 56.8 | 33 |
| Channel 4720RXF | 4.7 | 65.6 | 56.6 | 33 |
| Dyna-Gro S43XS70 | 4.3 | 65.5 | 56.8 | 33 |
| Progeny P 4921XFS | 4.9 | 65.2 | 57.6 | 32 |
| AgriGold G4813XF | 4.8 | 65.1 | 56.6 | 32 |
| USG 7441XF | 4.4 | 64.8 | 56.8 | 33 |
| Dyna-Gro S46XS60 | 4.6 | 64.8 | 56.7 | 29 |
| AgriGold G4100XF | 4.1 | 64.6 | 56.9 | 33 |
| Asgrow AG43XF2 | 4.3 | 63.8 | 56.2 | 29 |
| Channel 4422RXF | 4.4 | 62.7 | 56.9 | 32 |
| Asgrow AG48XF0 | 4.8 | 62.4 | 57.2 | 34 |
| NuTech 48N06E | 4.8 | 62.2 | 56.8 | 31 |
| Progeny P 4821RX | 4.8 | 62.2 | 56.6 | 35 |
| Brevant B470EE | 4.7 | 62.1 | 57.1 | 29 |
| NuTech 41N03E | 4.1 | 61.9 | 56.5 | 29 |
| Pioneer variety P48T06SE | 4.8 | 61.6 | 57.1 | 29 |
| AgriGold G4359E3 | 4.3 | 60.8 | 56.0 | 30 |
| Brevant B450EE | 4.5 | 60.2 | 56.7 | 25 |
| NuTech 45N08E | 4.5 | 59.5 | 56.9 | 31 |

Wheat Tech Agronomy
2021 KY DC Two Location Average Soybean Variety Test - Con.

Lafayette, KY and Auburn, KY

| Brand/Variety | RM‡ | Yield (BU/A) | TW‡ (LB/BU) | Plant HT‡ (IN) |
|-------------------------|-----|-----------------|----------------|-------------------|
| Stewart 4231XF | 4.2 | 59.1 | 57.5 | 32 |
| Pioneer variety P45T88E | 4.5 | 59.1 | 56.7 | 27 |
| NuTech 46N02E | 4.6 | 59.0 | 57.0 | 26 |
| Brevant B400EE | 4.0 | 59.0 | 55.2 | 26 |
| Asgrow AG45XF0 | 4.7 | 59.0 | 57.2 | 34 |
| Brevant B459EE | 4.5 | 56.7 | 56.2 | 27 |
| AgriGold G4655E3 | 4.6 | 56.4 | 57.6 | 31 |
| Stewart 3931XF | 3.9 | 56.3 | 56.5 | 31 |
| Brevant B389EE | 3.8 | 55.8 | 55.7 | 29 |
| Armor A45-D20 | 4.5 | 55.3 | 57.2 | 32 |
| Dyna-Gro S43EN61 | 4.3 | 54.6 | 57.1 | 31 |
| Grand Mean | | 64.8 | 56.7 | 31 |

‡Abbreviations: RM: Relative Maturity, TW: Test Weight, HT: Height

-Averages were made using the untreated replications at the KYDCE plot

Wheat Tech Agronomy
2021 KY DC Two Location Average Soybean Variety Test

Early Maturity Group (3.8-4.4)

| Brand/Variety | RM‡ | Yield (BU/A) | TW‡ (LB/BU) | Plant HT‡ (IN) |
|-------------------------|-----|-----------------|----------------|-------------------|
| NuTech 43N04E | 4.3 | 74.6 | 55.8 | 31 |
| Brevant B421EE | 4.2 | 72.3 | 55.8 | 30 |
| Pioneer variety P42T31E | 4.2 | 70.9 | 55.9 | 30 |
| Asgrow AG42XF0 | 4.2 | 69.7 | 56.1 | 32 |
| Progeny P 444RXX | 4.4 | 68.4 | 56.4 | 32 |
| Stewart 4442XF | 4.4 | 67.4 | 56.6 | 30 |
| Armor A44-F82 | 4.4 | 66.5 | 56.6 | 31 |
| AgriGold G4255RX | 4.2 | 66.1 | 56.9 | 32 |
| Dyna-Gro S43XS70 | 4.3 | 65.5 | 56.8 | 33 |
| USG 7441XF | 4.4 | 64.8 | 56.8 | 33 |
| AgriGold G4100XF | 4.1 | 64.6 | 56.9 | 33 |
| Asgrow AG43XF2 | 4.3 | 63.8 | 56.2 | 29 |
| Channel 4422RXX | 4.4 | 62.7 | 56.9 | 32 |
| NuTech 41N03E | 4.1 | 61.9 | 56.5 | 29 |
| AgriGold G4359E3 | 4.3 | 60.8 | 56.0 | 30 |
| Stewart 4231XF | 4.2 | 59.1 | 57.5 | 32 |
| Brevant B400EE | 4.0 | 59.0 | 55.2 | 26 |
| Stewart 3931XF | 3.9 | 56.3 | 56.5 | 31 |
| Brevant B389EE | 3.8 | 55.8 | 55.7 | 29 |
| Dyna-Gro S43EN61 | 4.3 | 54.6 | 57.1 | 31 |
| Grand Mean | | 64.2 | 56.4 | 31 |

‡Abbreviations: RM: Relative Maturity, TW: Test Weight, HT: Height

-Averages were made using the untreated replications at the KYDCE plot

Wheat Tech Agronomy
2021 KY DC Two Location Average Soybean Variety Test
Medium Maturity Group (4.5-4.7)

| Brand/Variety | RM‡ | Yield (BU/A) | TW‡ (LB/BU) | Plant HT‡ (IN) |
|--------------------------|------------|-------------------------|------------------------|---------------------------|
| Progeny P 4604XFS | 4.6 | 72.9 | 56.8 | 38 |
| Stewart 4730XF | 4.7 | 71.4 | 57.1 | 33 |
| USG 7461XFS | 4.6 | 70.5 | 56.9 | 34 |
| AgriGold G4615XF | 4.6 | 70.0 | 57.1 | 34 |
| Dyna-Gro S46XF31S | 4.6 | 69.7 | 57.0 | 36 |
| Dyna-Gro S45ES10 | 4.5 | 68.1 | 57.2 | 33 |
| Progeny P 4505RXS | 4.5 | 68.1 | 57.3 | 36 |
| Pioneer variety P47T39SE | 4.7 | 66.4 | 56.3 | 31 |
| Armor A46-F13 | 4.6 | 66.3 | 57.1 | 35 |
| Channel 4720RXF | 4.7 | 65.6 | 56.6 | 33 |
| Dyna-Gro S46XS60 | 4.6 | 64.8 | 56.7 | 29 |
| Brevant B470EE | 4.7 | 62.1 | 57.1 | 29 |
| Brevant B450EE | 4.5 | 60.2 | 56.7 | 25 |
| NuTech 45N08E | 4.5 | 59.5 | 56.9 | 31 |
| Pioneer variety P45T88E | 4.5 | 59.1 | 56.7 | 27 |
| NuTech 46N02E | 4.6 | 59.0 | 57.0 | 26 |
| Asgrow AG45XF0 | 4.7 | 59.0 | 57.2 | 34 |
| Brevant B459EE | 4.5 | 56.7 | 56.2 | 27 |
| AgriGold G4655E3 | 4.6 | 56.4 | 57.6 | 31 |
| Armor A45-D20 | 4.5 | 55.3 | 57.2 | 32 |
| Grand Mean | | 64.0 | 56.9 | 31 |

‡Abbreviations: RM: Relative Maturity, TW: Test Weight, HT: Height
 -Averages were made using the untreated replications at the KYDCE plot

2021 KY DC Two Location Average Soybean Variety Test
Late Maturity Group (4.8-5.0)

| Brand/Variety | RM‡ | Yield (BU/A) | TW‡ (LB/BU) | Plant HT‡ (IN) |
|--------------------------|------------|-------------------------|------------------------|---------------------------|
| Dyna-Gro S48XT90 | 4.8 | 73.4 | 57.3 | 30 |
| Progeny P 5003XF | 5.0 | 72.9 | 56.9 | 31 |
| Progeny P 4806XFS | 4.8 | 70.8 | 56.7 | 33 |
| Armor A48-D25 | 4.8 | 69.2 | 56.6 | 34 |
| Armor A48-F22 | 4.8 | 68.5 | 56.8 | 33 |
| Progeny P 4816RX | 4.8 | 68.4 | 56.5 | 29 |
| Asgrow AG47XF0 | 4.8 | 66.6 | 56.7 | 34 |
| USG 7491XFS | 4.9 | 66.1 | 56.8 | 33 |
| Progeny P 4921XFS | 4.9 | 65.2 | 57.6 | 32 |
| AgriGold G4813XF | 4.8 | 65.1 | 56.6 | 32 |
| Asgrow AG48XF0 | 4.8 | 62.4 | 57.2 | 34 |
| NuTech 48N06E | 4.8 | 62.2 | 56.8 | 31 |
| Progeny P 4821RX | 4.8 | 62.2 | 56.6 | 35 |
| Pioneer variety P48T06SE | 4.8 | 61.6 | 57.1 | 29 |
| Grand Mean | | 66.7 | 56.9 | 32 |

‡Abbreviations: RM: Relative Maturity, TW: Test Weight, HT: Height
 -Averages were made using the untreated replications at the KYDCE plot

Wheat Tech Agronomy
2021 Kentucky Three Location Average Soybean Variety Test

Cecilia, KY, Lafayette, KY, & Auburn, KY

| Brand/Variety | RM‡ | Yield (BU/A) | TW‡ (LB/BU) | Plant HT‡ (IN) |
|--------------------------|-----|-----------------|----------------|-------------------|
| Dyna-Gro S48XT90 | 4.8 | 75.5 | 57.0 | 30 |
| Progeny P 5003XF | 5.0 | 74.4 | 56.2 | 30 |
| NuTech 43N04E | 4.3 | 74.2 | 55.3 | 30 |
| Pioneer variety P42T31E | 4.2 | 72.6 | 55.6 | 30 |
| Armor A48-D25 | 4.8 | 72.3 | 56.1 | 32 |
| Progeny P 4604XFS | 4.6 | 72.3 | 56.3 | 36 |
| AgriGold G4255RX | 4.2 | 72.0 | 56.2 | 32 |
| Progeny P 4806XFS | 4.8 | 71.9 | 56.2 | 34 |
| AgriGold G4615XF | 4.6 | 71.7 | 56.3 | 33 |
| Asgrow AG42XF0 | 4.2 | 71.2 | 55.7 | 33 |
| USG 7461XFS | 4.6 | 70.9 | 56.1 | 33 |
| Dyna-Gro S46XS60 | 4.6 | 70.7 | 56.4 | 28 |
| Stewart 4730XF | 4.7 | 70.6 | 56.5 | 32 |
| Armor A48-F22 | 4.8 | 70.6 | 56.2 | 32 |
| Dyna-Gro S45ES10 | 4.5 | 70.5 | 56.7 | 32 |
| Dyna-Gro S46XF31S | 4.6 | 70.3 | 56.6 | 35 |
| Progeny P 4921XFS | 4.9 | 70.0 | 56.9 | 33 |
| Progeny P 4505RXS | 4.5 | 69.1 | 56.6 | 35 |
| Progeny P 4816RX | 4.8 | 69.0 | 56.2 | 30 |
| USG 7491XFS | 4.9 | 68.3 | 56.4 | 33 |
| Armor A46-F13 | 4.6 | 68.2 | 56.4 | 34 |
| Dyna-Gro S43XS70 | 4.3 | 68.1 | 56.2 | 32 |
| USG 7441XF | 4.4 | 67.9 | 56.1 | 32 |
| AgriGold G4100XF | 4.1 | 67.6 | 56.3 | 32 |
| Pioneer variety P48T06SE | 4.8 | 67.0 | 56.4 | 29 |
| Progeny P 4821RX | 4.8 | 65.3 | 56.3 | 34 |
| NuTech 48N06E | 4.8 | 65.1 | 56.4 | 30 |
| NuTech 41N03E | 4.1 | 64.9 | 55.9 | 30 |
| Pioneer variety P45T88E | 4.5 | 63.1 | 56.0 | 26 |
| Stewart 4231XF | 4.2 | 63.0 | 56.5 | 32 |
| NuTech 46N02E | 4.6 | 62.9 | 56.2 | 27 |
| Progeny P 444RXS | 4.4 | 62.7 | 55.9 | 31 |
| Stewart 3931XF | 3.9 | 62.5 | 55.6 | 31 |
| Dyna-Gro S43EN61 | 4.3 | 61.8 | 56.3 | 30 |
| Armor A45-D20 | 4.5 | 61.5 | 56.4 | 31 |
| Grand Mean | | 68.6 | 56.2 | 32 |

‡Abbreviations: RM: Relative Maturity, TW: Test Weight, HT: Height

-Averages were made using the untreated replications at the KYDCE plot

Wheat Tech Agronomy
2021 Kentucky Three Location Average Soybean Variety Test
Early Maturity Group (3.9-4.4)

| Brand/Variety | RM‡ | Yield (BU/A) | TW‡ (LB/BU) | Plant HT‡ (IN) |
|-------------------------|------------|-------------------------|------------------------|---------------------------|
| NuTech 43N04E | 4.3 | 74.2 | 55.3 | 30 |
| Pioneer variety P42T31E | 4.2 | 72.6 | 55.6 | 30 |
| AgriGold G4255RX | 4.2 | 72.0 | 56.2 | 32 |
| Asgrow AG42XF0 | 4.2 | 71.2 | 55.7 | 33 |
| Dyna-Gro S43XS70 | 4.3 | 68.1 | 56.2 | 32 |
| USG 7441XF | 4.4 | 67.9 | 56.1 | 32 |
| AgriGold G4100XF | 4.1 | 67.6 | 56.3 | 32 |
| NuTech 41N03E | 4.1 | 64.9 | 55.9 | 30 |
| Stewart 4231XF | 4.2 | 63.0 | 56.5 | 32 |
| Progeny P 444RXS | 4.4 | 62.7 | 55.9 | 31 |
| Stewart 3931XF | 3.9 | 62.5 | 55.6 | 31 |
| Dyna-Gro S43EN61 | 4.3 | 61.8 | 56.3 | 30 |
| Grand Mean | | 67.4 | 56.0 | 31 |

‡Abbreviations: RM: Relative Maturity, TW: Test Weight, HT: Height

-Averages were made using the untreated replications at the KYDCE plot

Wheat Tech Agronomy
2021 Kentucky Three Location Average Soybean Variety Test

Medium Maturity Group (4.5-4.7)

| Brand/Variety | RM‡ | Yield (BU/A) | TW‡ (LB/BU) | Plant HT‡ (IN) |
|-------------------------|-----|-----------------|----------------|-------------------|
| Progeny P 4604XFS | 4.6 | 72.3 | 56.3 | 36 |
| AgriGold G4615XF | 4.6 | 71.7 | 56.3 | 33 |
| USG 7461XFS | 4.6 | 70.9 | 56.1 | 33 |
| Dyna-Gro S46XS60 | 4.6 | 70.7 | 56.4 | 28 |
| Stewart 4730XF | 4.7 | 70.6 | 56.5 | 32 |
| Dyna-Gro S45ES10 | 4.5 | 70.5 | 56.7 | 32 |
| Dyna-Gro S46XF31S | 4.6 | 70.3 | 56.6 | 35 |
| Progeny P 4505RXS | 4.5 | 69.1 | 56.6 | 35 |
| Armor A46-F13 | 4.6 | 68.2 | 56.4 | 34 |
| Pioneer variety P45T88E | 4.5 | 63.1 | 56.0 | 26 |
| NuTech 46N02E | 4.6 | 62.9 | 56.2 | 27 |
| Armor A45-D20 | 4.5 | 61.5 | 56.4 | 31 |
| Grand Mean | | 68.5 | 56.4 | 32 |

‡Abbreviations: RM: Relative Maturity, TW: Test Weight, HT: Height

-Averages were made using the untreated replications at the KYDCE plot

2021 Kentucky Three Location Average Soybean Variety Test

Late Maturity Group (4.8-5.0)

| Brand/Variety | RM‡ | Yield (BU/A) | TW‡ (LB/BU) | Plant HT‡ (IN) |
|--------------------------|-----|-----------------|----------------|-------------------|
| Dyna-Gro S48XT90 | 4.8 | 75.5 | 57.0 | 30 |
| Progeny P 5003XF | 5.0 | 74.4 | 56.2 | 30 |
| Armor A48-D25 | 4.8 | 72.3 | 56.1 | 32 |
| Progeny P 4806XFS | 4.8 | 71.9 | 56.2 | 34 |
| Armor A48-F22 | 4.8 | 70.6 | 56.2 | 32 |
| Progeny P 4921XFS | 4.9 | 70.0 | 56.9 | 33 |
| Progeny P 4816RX | 4.8 | 69.0 | 56.2 | 30 |
| USG 7491XFS | 4.9 | 68.3 | 56.4 | 33 |
| Pioneer variety P48T06SE | 4.8 | 67.0 | 56.4 | 29 |
| Progeny P 4821RX | 4.8 | 65.3 | 56.3 | 34 |
| NuTech 48N06E | 4.8 | 65.1 | 56.4 | 30 |
| Grand Mean | | 70.0 | 56.4 | 32 |

‡Abbreviations: RM: Relative Maturity, TW: Test Weight, HT: Height

-Averages were made using the untreated replications at the KYDCE plot

Wheat Tech Agronomy
2021 Indiana Full Season Soybean Variety Test
Columbus, IN

| Brand/Variety | RM‡ | Yield (BU/A) | TW‡ (LB/BU) | Plant HT‡ (IN) |
|--------------------------|-----|-----------------|----------------|-------------------|
| Dyna-Gro S46XF31S | 4.6 | 87.3 a† | 56.3 | 35 |
| Progeny P 4505RXS | 4.5 | 85.5 a | 56.0 | 35 |
| Dyna-Gro S43XS70 | 4.3 | 84.9 ab | 55.9 | 33 |
| Progeny P 4604XFS | 4.6 | 83.5 abc | 56.2 | 35 |
| L&M Glick 39XF1 | 3.9 | 83.1 a-d | 55.9 | 31 |
| Stewart 4231XF | 4.2 | 83.0 a-d | 56.0 | 37 |
| Progeny P 4806XFS | 4.8 | 79.9 b-e | 56.0 | 31 |
| Dyna-Gro S46XS60 | 4.6 | 79.7 b-f | 55.9 | 29 |
| Progeny P 4816RX | 4.8 | 79.4 c-f | 55.9 | 31 |
| Beck's 3995XF | 3.9 | 78.1 c-g | 55.7 | 32 |
| L&M Glick 36E1 E3 | 3.6 | 77.9 d-h | 55.1 | 29 |
| Progeny P 5003XF | 5.0 | 77.9 d-h | 56.2 | 30 |
| Dyna-Gro S48XT90 | 4.8 | 76.8 e-i | 56.4 | 32 |
| Dyna-Gro S43EN61 | 4.3 | 76.5 e-i | 55.7 | 32 |
| L&M Glick 390 LLGT27 | 3.9 | 76.3 e-i | 55.8 | 29 |
| Progeny P 4921XFS | 4.9 | 75.6 e-j | 56.8 | 31 |
| Progeny P 4444RXS | 4.4 | 75.5 e-j | 55.4 | 31 |
| L&M Glick 38 GT | 3.8 | 75.2 e-k | 55.0 | 29 |
| Seed Consultants SC7421E | 4.2 | 74.4 f-k | 55.7 | 28 |
| L&M Glick 39E1 E3 | 3.9 | 73.3 g-l | 55.5 | 31 |
| Xitavo XO 3131E | 3.1 | 72.7 g-m | 55.1 | 27 |
| Dyna-Gro S45ES10 | 4.5 | 72.5 h-n | 56.4 | 33 |
| Seed Consultants SC7322E | 3.2 | 71.8 i-o | 54.7 | 29 |
| Stewart 3731XF | 3.7 | 71.5 i-o | 55.5 | 29 |
| Beck's 3910E3 | 3.9 | 70.8 j-o | 54.5 | 25 |
| Stewart 3632XF | 3.6 | 70.5 j-o | 55.1 | 27 |
| Xitavo XO 3651E | 3.6 | 69.8 k-o | 55.3 | 29 |
| Seed Consultants SC7381E | 3.8 | 69.8 k-o | 55.7 | 27 |
| Beck's 3510E3 | 3.5 | 68.9 l-o | 55.1 | 25 |
| Seed Consultants SC7361E | 3.6 | 68.5 l-p | 55.3 | 26 |
| Xitavo XO 4371E | 4.3 | 67.9 m-p | 55.5 | 28 |
| Stewart 3931XF | 3.9 | 67.7 m-p | 55.0 | 31 |
| Progeny P 4821RX | 4.8 | 67.1 nop | 55.7 | 30 |
| Seed Consultants SC7372E | 3.7 | 66.9 op | 55.1 | 27 |
| Xitavo XO 3861E | 3.8 | 63.3 pq | 55.7 | 27 |
| Xitavo XO 3341E | 3.3 | 60.2 qr | 55.4 | 26 |
| L&M Glick36XF1 | 3.6 | 57.7 r | 55.5 | 25 |
| Beck's 3555XF | 3.5 | 56.5 r | 54.9 | 23 |
| Stewart 3531XF | 3.5 | 44.3 s | 54.7 | 21 |
| LSD P=.10 | | 5.5 | . | . |
| CV | | 6.4 | . | . |
| Grand Mean | | 72.9 | 55.6 | 29 |

Planted: May 14, 2021; Harvested: October 18, 2021

†Means followed by same letter do not significantly differ (P=.10, LSD)

‡Abbreviations: RM: Relative Maturity, TW: Test Weight, HT: Height

Wheat Tech Agronomy
2021 Indiana Full Season Soybean Variety Test

Early Maturity Group (3.1-3.6)

| Brand/Variety | RM‡ | Yield (BU/A) | TW‡ (LB/BU) | Plant HT‡ (IN) |
|--------------------------|-----|-----------------|----------------|-------------------|
| L&M Glick 36E1 E3 | 3.6 | 77.9 a† | 55.1 | 29 |
| Xitavo XO 3131E | 3.1 | 72.7 b | 55.1 | 27 |
| Seed Consultants SC7322E | 3.2 | 71.8 bc | 54.7 | 29 |
| Stewart 3632XF | 3.6 | 70.0 bc | 55.1 | 27 |
| Xitavo XO 3651E | 3.6 | 69.8 bc | 55.3 | 29 |
| Beck's 3510E3 | 3.5 | 68.9 bc | 55.1 | 25 |
| Seed Consultants SC7361E | 3.6 | 68.0 c | 55.3 | 26 |
| Xitavo XO 3341E | 3.3 | 60.2 d | 55.4 | 26 |
| L&M Glick36XF1 | 3.6 | 57.7 d | 55.5 | 25 |
| Beck's 3555XF | 3.5 | 56.5 d | 54.9 | 23 |
| Stewart 3531XF | 3.5 | 44.3 e | 54.7 | 21 |
| LSD P=.10 | | 4.1 | . | . |
| CV | | 5.2 | . | . |
| Grand Mean | | 65.3 | 55.1 | 26 |

Planted: May 14, 2021; Harvested: October 18, 2021

†Means followed by same letter do not significantly differ (P=.10, LSD)

‡Abbreviations: RM: Relative Maturity, TW: Test Weight, HT: Height

2021 Indiana Full Season Soybean Variety Test

Medium Maturity Group (3.7-4.2)

| Brand/Variety | RM‡ | Yield (BU/A) | TW‡ (LB/BU) | Plant HT‡ (IN) |
|--------------------------|-----|-----------------|----------------|-------------------|
| L&M Glick 39XF1 | 3.9 | 83.1 a† | 55.9 | 31 |
| Stewart 4231XF | 4.2 | 83.0 a | 56.0 | 37 |
| Beck's 3995XF | 3.9 | 78.1 ab | 55.7 | 32 |
| L&M Glick 390 LLGT27 | 3.9 | 76.3 abc | 55.8 | 29 |
| L&M Glick 38 GT | 3.8 | 75.2 bc | 55.0 | 29 |
| Seed Consultants SC7421E | 4.2 | 74.4 bcd | 55.7 | 28 |
| L&M Glick 39E1 E3 | 3.9 | 73.3 b-e | 55.5 | 31 |
| Stewart 3731XF | 3.7 | 71.5 b-e | 55.5 | 29 |
| Beck's 3910E3 | 3.9 | 70.8 cde | 54.5 | 25 |
| Seed Consultants SC7381E | 3.8 | 69.8 c-f | 55.7 | 27 |
| Stewart 3931XF | 3.9 | 67.7 def | 55.0 | 31 |
| Seed Consultants SC7372E | 3.7 | 66.9 ef | 55.1 | 27 |
| Xitavo XO 3861E | 3.8 | 63.3 f | 55.7 | 27 |
| LSD P=.10 | | 7.0 | . | . |
| CV | | 8.0 | . | . |
| Grand Mean | | 73.4 | 55.5 | 30 |

Planted: May 14, 2021; Harvested: October 18, 2021

†Means followed by same letter do not significantly differ (P=.10, LSD)

‡Abbreviations: RM: Relative Maturity, TW: Test Weight, HT: Height

Wheat Tech Agronomy
2021 Indiana Full Season Soybean Variety Test

Late Maturity Group (4.3-5.0)

| Brand/Variety | RM‡ | Yield (BU/A) | TW‡ (LB/BU) | Plant HT‡ (IN) |
|-------------------|-----|-----------------|----------------|-------------------|
| Dyna-Gro S46XF31S | 4.6 | 87.3 a† | 56.3 | 35 |
| Progeny P 4505RXS | 4.5 | 85.5 a | 56.0 | 35 |
| Dyna-Gro S43XS70 | 4.3 | 84.9 ab | 55.9 | 33 |
| Progeny P 4604XFS | 4.6 | 83.5 abc | 56.2 | 35 |
| Progeny P 4806XFS | 4.8 | 79.9 bcd | 56.0 | 31 |
| Dyna-Gro S46XS60 | 4.6 | 79.7 cd | 55.9 | 29 |
| Progeny P 4816RX | 4.8 | 79.4 cd | 55.9 | 31 |
| Progeny P 5003XF | 5.0 | 77.9 d | 56.2 | 30 |
| Dyna-Gro S48XT90 | 4.8 | 76.8 de | 56.4 | 32 |
| Dyna-Gro S43EN61 | 4.3 | 76.5 de | 55.7 | 32 |
| Progeny P 4921XFS | 4.9 | 75.6 de | 56.8 | 31 |
| Progeny P 4444RXS | 4.4 | 75.5 de | 55.4 | 31 |
| Dyna-Gro S45ES10 | 4.5 | 72.5 ef | 56.4 | 33 |
| Xitavo XO 4371E | 4.3 | 67.9 fg | 55.5 | 28 |
| Progeny P 4821RX | 4.8 | 67.1 g | 55.7 | 30 |
| LSD P=.10 | | 5.2 | . | . |
| CV | | 5.6 | . | . |
| Grand Mean | | 78.0 | 56.0 | 32 |

Planted: May 14, 2021; Harvested: October 18, 2021

†Means followed by same letter do not significantly differ (P=.10, LSD)

‡Abbreviations: RM: Relative Maturity, TW: Test Weight, HT: Height

Wheat Tech Agronomy
2021 Missouri Full Season Soybean Variety Test

Charleston, MO

| Brand/Variety | RM‡ | Yield (BU/A) | TW‡ (LB/BU) | Plant HT‡ (IN) | FELS‡ (0-10) | SDS‡ (0-10) | LDG‡ (%) | |
|----------------------|------------|-------------------------|------------------------|---------------------------|-------------------------|------------------------|---------------------|-----------|
| USG 7441XF | 4.4 | 88.0 | a† | 53.1 | 37 | 0 | 0 | 13 |
| Dyna-Gro S48XT90 | 4.8 | 86.0 | ab | 55.3 | 39 | 0 | 0 | 15 |
| AgriGold G4255RX | 4.2 | 85.6 | abc | 53.2 | 40 | 1 | 0 | 15 |
| Progeny P 4505RXS | 4.5 | 84.1 | a-d | 54.4 | 43 | 0 | 1 | 34 |
| Progeny P 4604XFS | 4.6 | 80.6 | b-e | 53.9 | 40 | 2 | 0 | 46 |
| Progeny P 4444RXS | 4.4 | 79.9 | cde | 53.0 | 36 | 0 | 1 | 6 |
| Progeny P 4816RX | 4.8 | 79.6 | def | 53.8 | 37 | 2 | 0 | 0 |
| Dyna-Gro S46XS60 | 4.6 | 78.2 | ef | 53.0 | 40 | 2 | 0 | 5 |
| Progeny P 4821RX | 4.8 | 76.6 | efg | 54.2 | 40 | 3 | 0 | 38 |
| USG 7461XFS | 4.6 | 75.3 | e-h | 53.3 | 41 | 3 | 0 | 38 |
| AgriGold G4615XF | 4.6 | 73.8 | f-i | 53.6 | 39 | 3 | 0 | 30 |
| Dyna-Gro S46XF31S | 4.6 | 72.0 | g-j | 53.5 | 42 | 3 | 0 | 44 |
| Progeny P 4921XFS | 4.9 | 71.3 | g-j | 54.6 | 41 | 5 | 0 | 24 |
| Progeny P 5003XF | 5.0 | 70.7 | hij | 53.1 | 39 | 6 | 1 | 23 |
| Progeny P 4806XFS | 4.8 | 68.1 | ijk | 54.0 | 39 | 7 | 0 | 0 |
| AgriGold G4359E3* | 4.3 | 67.4 | jk | 51.3 | 33 | 0 | 0 | 0 |
| AgriGold G4813XF | 4.8 | 66.8 | jk | 54.4 | 38 | 7 | 0 | 8 |
| USG 7491XFS | 4.9 | 63.8 | k | 53.4 | 40 | 7 | 1 | 5 |
| AgriGold G4655E3* | 4.6 | 62.5 | k | 52.1 | 41 | 5 | 0 | 8 |
| LSD P=.10 | | 5.9 | . | . | . | . | . | . |
| CV | | 6.6 | . | . | . | . | . | . |
| Grand Mean | | 75.3 | | 53.5 | 39 | 3 | 0 | 18 |

Planted: May 13, 2021; Harvested: October 8, 2021

†Means followed by same letter do not significantly differ (P=.10, LSD)

‡Abbreviations: RM: Relative Maturity, TW: Test Weight, HT: Height, LDG: Lodging, FELS: Frogeye Leaf Spot:

Cercospora sojina, SDS: Sudden Death Syndrome: *Fusarium virguliforme*

*Both enlist varieties showed symptoms of growth regulator herbicide injury

Wheat Tech Agronomy
2021 Soybean Variety Characteristics

| Soybean Variety Name | Maturity | Soybean Cyst Nematode Resistance | Sudden Death Syndrome | STS | Herb Toler |
|----------------------|----------|--|-----------------------------|-----|---------------|
| AgriGold G3722RX | 3.7 | R3, MR14, PI 88 | MR | Yes | RR2X |
| AgriGold G3724XF | 3.7 | PI 88.788 | MR | No | XtendFlex |
| AgriGold G3957E3 | 3.9 | PI 88.788 | MS | No | Enlist |
| AgriGold G3990XF | 3.9 | PI 88.788 | MR | Yes | XtendFlex |
| AgriGold G4100XF | 4.1 | PI 88.788 | MR | No | XtendFlex |
| AgriGold G4255RX | 4.2 | PI 88.788 | NR | Yes | RR2X |
| AgriGold G4359E3 | 4.3 | PI 88.788 | MS | Yes | Enlist |
| AgriGold G4615XF | 4.6 | PI 88.788 | MR | Yes | XtendFlex |
| AgriGold G4655E3 | 4.6 | PI 88.788 | MS | Yes | Enlist |
| AgriGold G4813XF | 4.8 | PI 88.788 | MS | Yes | XtendFlex |
| Armor A39-E75 | 3.9 | PI88.788 | M | No | ENLIST |
| Armor A39-F73 | 3.9 | PI88.788 | MR | NO | XtendFlex |
| Armor A42-D27 | 4.2 | PI88.788 | MR | Yes | RR2X |
| Armor A44-E44 | 4.4 | PI88.788 | MR | NO | ENLIST |
| Armor A44-F82 | 4.4 | PI88.788 | MR | Yes | XtendFlex |
| Armor A45-D20 | 4.5 | PI88.788 | MR | YES | XtendFlex |
| Armor A46-F13 | 4.6 | PI88.788 | MR | YES | XtendFlex |
| Armor A48-D25 | 4.8 | PI88.788 | MR | YES | RR2X |
| Armor A48-F22 | 4.8 | PI88.788 | MS | YES | XtendFlex |
| Asgrow AG38XF1 | 3.8 | R3 | MS | No | XtendFlex |
| Asgrow AG40XF0 | 4.0 | R3 | MR | No | XtendFlex |
| Asgrow AG40XF1 | 4.0 | R3 | MS | Yes | XtendFlex |
| Asgrow AG42XF0 | 4.2 | R3 | MR | No | XtendFlex |
| Asgrow AG43XF2 | 4.3 | R3 | MR | No | XtendFlex |
| Asgrow AG45XF0 | 4.7 | R3 | S | Yes | XtendFlex |
| Asgrow AG47XF0 | 4.8 | R3 | S | Yes | XtendFlex |
| Asgrow AG48XF0 | 4.8 | R3 | MR | Yes | XtendFlex |
| Beck's 3510E3 | 3.5 | R3, MR14 | MS | No | Enlist |
| Beck's 3555XF | 3.5 | R3, MR14 | MR | No | XtendFlex |
| Beck's 3910E3 | 3.9 | R3, MR14 | MS | No | Enlist |
| Beck's 3995XF | 3.9 | MR3, MR14 | MR | Yes | XtendFlex |
| Brevant B389EE | 3.8 | PI88788 | MR | No | Enlist |
| Brevant B400EE | 4.0 | PI88788 | R | Yes | Enlist |
| Brevant B421EE | 4.2 | PI88788 | MR | No | Enlist |
| Brevant B450EE | 4.5 | PI88788 | MR | No | Enlist |
| Brevant B459EE | 4.5 | PI88788 | MR | Yes | Enlist |
| Brevant B470EE | 4.7 | PI88788 | MS | No | Enlist |

Wheat Tech Agronomy
2021 Soybean Variety Characteristics - Cont.

| Soybean Variety Name | Maturity | Soybean Cyst Nematode Resistance | Sudden Death Syndrome | STS | Herb Toler |
|----------------------|----------|--|-----------------------------|-----|---------------|
| Channel 3921RXF | 3.9 | PI88788 | MR | | XtendFlex |
| Channel 4121RXF | 4.1 | PI88788 | MS | Yes | XtendFlex |
| Channel 4422RXF | 4.4 | PI88788 | MR | Yes | XtendFlex |
| Channel 4720RXF | 4.7 | PI88788 | MR | Yes | XtendFlex |
| Credenz CZ 4742XF | 4.7 | PI88788 | MR | No | XtendFlex |
| Credenz CZ 4892XF | 4.7 | PI88788 | MR | No | XtendFlex |
| Credenz CZ 4912XF | 4.9 | PI88788 | MR | No | XtendFlex |
| Credenz XO 3131E | 3.1 | PI88788 | MR | No | Enlist |
| Credenz XO 3341E | 3.3 | PI88788 | MR | No | Enlist |
| Credenz XO 3651E | 3.6 | PI88788 | MR | No | Enlist |
| Credenz XO 3861E | 3.8 | PI88788 | MR | Yes | Enlist |
| Credenz XO 4371E | 4.3 | PI88788 | MR | No | Enlist |
| Credenz XO 4681E | 4.6 | PI88788 | MR | Yes | Enlist |
| Dyna-Gro S43EN61 | 4.3 | R3,MR14 | MR | No | Enlist |
| Dyna-Gro S43XS70 | 4.3 | R3,R14 | MR | Yes | RR2X |
| Dyna-Gro S45ES10 | 4.5 | R3,MR14 | MS | Yes | Enlist |
| Dyna-Gro S46XF31S | 4.6 | R3,MR14 | MS | Yes | XtendFlex |
| Dyna-Gro S46XS60 | 4.6 | R3,R14 | R | Yes | RR2X |
| Dyna-Gro S48XT90 | 4.8 | S | MR | No | RR2X |
| FS HiSOY HS 40F10 | 4 | PI88788 | MR | No | XtendFlex |
| FS HiSOY HS 41F00 | 4.1 | PI88788 | MR | Yes | XtendFlex |
| FS HiSOY HS 42E10 | 4.2 | PI88788 | MR | Yes | Enlist |
| FS HiSOY HS 44F10 | 4.4 | PI88788 | MR | No | XtendFlex |
| FS HiSOY HS 45E00 | 4.5 | PI88788 | MR | No | Enlist |
| FS HiSOY HS 46F00 | 4.6 | PI88788 | MR | Yes | XtendFlex |
| FS HiSOY HS 48E10 | 4.8 | PI88788 | MR | Yes | Enlist |
| FS HiSOY HS 48F00 | 4.8 | PI88788 | MR | Yes | XtendFlex |
| L&M Glick 34E2 E3 | 3.4 | R3,MR14 | MR | No | Enlist |
| L&M Glick 362 LLGT27 | 3.6 | R3,MR14 | MR | No | GTLL |
| L&M Glick 36E1 E3 | 3.6 | R3,MR14 | MR | No | Enlist |
| L&M Glick 38 GT | 3.8 | NA | MR | No | RR2 |
| L&M Glick 390 LLGT27 | 3.9 | R3,MR14 | MR | No | GTLL |
| L&M Glick 39E1 E3 | 3.9 | R3,MR14 | MR | No | Enlist |
| L&M Glick 39XF1 | 3.9 | MR3,MS14 | MR | No | XtendFlex |
| L&M Glick36XF1 | 3.6 | NA | MR | No | XtendFlex |
| NuTech 35N03E | 3.5 | PI88788 | MS | No | Enlist |
| NuTech 39N04E | 3.9 | PI88788 | MS | No | Enlist |
| NuTech 39N05E | 3.9 | PI88788 | MS | No | Enlist |
| NuTech 41N03E | 4.1 | PI88788 | MS | No | Enlist |
| NuTech 43N04E | 4.3 | PI88788 | MS | No | Enlist |
| NuTech 45N08E | 4.5 | PI88788 | MS | No | Enlist |

Wheat Tech Agronomy
2021 Soybean Variety Characteristics - Cont.

| Soybean Variety Name | Maturity | Soybean Cyst Nematode Resistance | Sudden Death Syndrome | STS | Herb Toler |
|-----------------------------|-----------------|---|--------------------------------------|------------|-----------------------|
| NuTech 46N02E | 4.6 | PI88788 | MS | No | Enlist |
| NuTech 48N06E | 4.8 | PI88788 | MS | Yes | Enlist |
| Pioneer variety P38T05E | 4.0 | P188788 | MR | No | Enlist |
| Pioneer variety P42T31E | 4.2 | P188788 | MR | No | Enlist |
| Pioneer variety P45T88E | 4.5 | P188788 | MR | No | Enlist |
| Pioneer variety P47T39SE | 4.7 | N/A | MR | yes | Enlist |
| Pioneer variety P48T06SE | 4.8 | N/A | MS | Yes | Enlist |
| Progeny P 444RXS | 4.8 | | | | RR2X |
| Progeny P 4505RXS | 4.5 | | | | RR2X |
| Progeny P 4604XFS | 4.6 | | | | XtendFlex |
| Progeny P 4806XFS | 4.8 | | | | XtendFlex |
| Progeny P 4816RX | 4.8 | | | | RR2X |
| Progeny P 4821RX | 4.8 | | | | RR2X |
| Progeny P 4921XFS | 4.9 | | | | XtendFlex |
| Progeny P 5003XF | 5.0 | | | | XtendFlex |
| Seed Consultants SC7322E | 3.2 | PI88788 | MS | No | Enlist |
| Seed Consultants SC7361E | 3.6 | PI88788 | MS | No | Enlist |
| Seed Consultants SC7372E | 3.7 | PI88788 | MS | No | Enlist |
| Seed Consultants SC7381E | 3.8 | PI88788 | MS | No | Enlist |
| Seed Consultants SC7421E | 4.2 | PI88788 | MS | No | Enlist |
| Stewart 3531XF | 3.5 | PI88788 | MS | No | XtendFlex |
| Stewart 3632XF | 3.6 | PI88788 | MR | No | XtendFlex |
| Stewart 3731XF | 3.7 | PI88788 | MR | No | XtendFlex |
| Stewart 3931XF | 3.9 | PI88788 | MS | Yes | XtendFlex |
| Stewart 4231XF | 4.2 | PI88788 | MR | Yes | XtendFlex |
| Stewart 4442XF | 4.4 | PI88788 | MR | Yes | XtendFlex |
| Stewart 4730XF | 4.7 | PI88788 | MR | Yes | XtendFlex |
| USG 7441XF | 4.4 | PI88788 | MR | No | XtendFlex |
| USG 7461XFS | 4.6 | PI88788 | MR | Yes | XtendFlex |
| USG 7491XFS | 4.9 | PI88788 | MS | Yes | XtendFlex |