

Virginia Soybean Variety Performance Trials 2025

Authored by

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Figure 1. Plot harvest. (Suzanne Pruitt, Tidewater Agricultural Research and Extension Center)

A summary of the soybean official variety trials (OVT) conducted by the Virginia Tech soybean agronomy team, providing unbiased performance data of commercially available soybean varieties. Appreciation is extended to all of the participating seed companies who entered varieties and the Virginia Tech Agricultural Research and Extension Centers who hosted plots.

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Introduction

Official performance tests are conducted each year by the Soybean Agronomy Program in collaboration with the Virginia Tech Agricultural Research and Extension Centers. Several commercially available soybean varieties are tested to provide unbiased data, intended to benefit Virginia producers and agribusinesses in making selections of varieties for their use. Not all varieties that are offered for sale in Virginia are included in these tests, and there is no implication that varieties not included are inferior in any way. Additionally, it is recognized that not all regions of Virginia were included as test locations in 2025, and data should be interpreted as such.

Please also consider the on-farm soybean variety trials and past years of data in conjunction with these results when selecting a variety. The environment interacts with each variety to produce variable yields when grown in different situations, emphasizing the importance of considering several site years of data when making informed decisions.

Methods

Soybean varieties were entered by commercial seed companies, Universities, crop improvement associations, and Virginia soybean farmers. Performance tests were conducted under full season system conditions at the Eastern Shore (Painter, VA), Northern Coastal Plain (Warsaw, VA), Northern Piedmont (Orange, VA), Southern Coastal Plain (Suffolk, VA), and Southern Piedmont (Blackstone, VA) regions of Virginia (Figure 1). Additionally, performance tests were conducted under double-crop systems following wheat harvest in the Northern Coastal Plain (Warsaw, VA) and Southern Coastal Plain (Suffolk, VA) regions of Virginia.

Recommended cultural practices were used and data were collected from a uniform set of instructions. Details of cultural practices used, and soil types are listed in Table 1. Fertilizer was applied according to Virginia Tech soil test recommendations. Seed treatments were used on most seeds, the chemical composition varies with the company. Seeding rates were equivalent to 140,000 seeds per acre in full season tests and 220,000 seeds per acre in the double-crop tests. All tests were maintained weed-free with pre-emergence and post-emergence herbicides, including glyphosate. Insecticides were

applied if insect pests approached economic thresholds. Fungicides were applied at all plots during the recommended R3-R5 window to ensure yield potential in the environment was measured. Interior rows were harvested with a small plot combine equipped with weigh scales, moisture meter, and on-board computer. A small seed sample was collected from each plot to evaluate seed characteristics.

The experimental design was a randomized complete block design with three replications per site. Outliers were identified as any data point which exceeded 1.5 times the interquartile range and were removed from the analysis. Due to the number of entries, varieties were separated and tested by relative maturity group categories. This included maturity group III and early IV (RM 3.8 – 4.4), late IV (RM 4.5 – 4.9), and maturity group V (RM 5.0 – 6.0). Data were subjected to analysis of variance and means were separated with Fisher's Protected LSD test ($P = 0.05$).

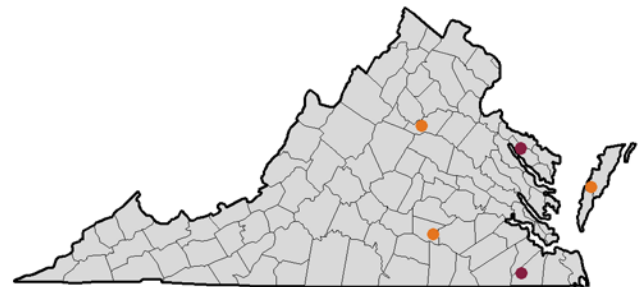


Figure 2. Locations of the 2025 official soybean performance tests. Maroon denotes full season and double-crop studies, orange denotes only full season studies at each location.

Lodging

Visually estimated using a 1 to 5 scale according to the following criteria:

1. Almost all plants are upright.
2. Either all plants lean slightly or a few plants down.
3. Either all plants lean moderately (45° angle), or 25 to 50% down.
4. Either all plants lean considerably, or 50 to 80% down.
5. All the plants are down.

Plant Height

Determined at maturity (R8) by measuring and averaging 3 randomly chosen plants. Height was measured from the ground to the uppermost main-stem node of the plant at maturity, reported in inches.

Purple Seed Stain (PSS)

The percentage of seeds from a 100-seed sample that is affected by the disease.

Seed Quality

Ratings may represent Phomopsis seed decay and other seed diseases. The following scale was used:

1. Very good
2. Good
3. Fair
4. Poor
5. Very poor

Seed Size

Obtained from the weight of a 100- seed sample, reported in grams.

Yield

Yield was measured as pounds or grams per plot, adjusted to 13% moisture, and then converted to bushels per acre. The plot size was calculated using the exact plot length, multiplied by the combine header width (5'). A bushel weight of 60 pounds was used to determine yield.

Interpreting the Results

A series of tables are provided with yield summaries from the full season tests at each location in 2025. Varieties in the summary tables are ranked by average yield across sites in descending order. The remaining pages contain detailed yield and other performance data from each site, again sorted by yield. The herbicide resistant traits and relative maturity are listed for convenience in the yield summary tables. However, this information is from the company and was not tested in this research.

Within maturity groups at each location, LSD (least significant difference) was calculated at the 5% probability level. The LSD is a statistical test to assist the reader in comparing the yield differences among varieties within a particular maturity group. When two entries are compared and the difference between them is greater than the calculated LSD value, the varieties are considered significantly different. It is not statistically correct to compare varieties from different maturity groups. However, it is recommended that producers select two to three of the highest-yielding varieties from each maturity group adapted to their region to spread out harvesting time and yield risks.

The average performance of a variety over multiple environments is more reliable than its performance in one test. Because of year-to-year variability in variety performance, variety selection should be made from multiple years and sites. More sites result in information that is more reliable and a better indicator of how a variety will perform in the future. After examining these results, the farmer may want to plant limited quantities of several new better performing varieties to observe how they perform on their farm.

To interact with the yield and relative yield data, please visit the new online tool, available at <https://www.arec.vaes.vt.edu/arec/tidewater/programs/soybean-agronomy.html>. This tool includes all soybean variety trials conducted by Virginia Cooperative Extension.

Table 1. Field and management information of the 2025 full season soybean performance tests.

Location	Blackstone	Orange	Painter	Suffolk	Warsaw
Soil Type	Cecil coarse sandy loam	Fauquier clay	Bojac sandy loam	Eunola loamy fine sand	Kempsville loam
Row Spacing	15"	15"	15"	15"	22"
Cultivation	Conventional Tillage	Conventional Tillage	Conventional Tillage	Conventional Tillage	No Till
Planting Dates	June 12, 2025	May 20, 2025	June 4, 2025	May 7, 2025	May 1, 2025
Harvest Dates	MG 3&4E: Oct 23 MG 4L: Oct 23 MG 5: Nov 13	MG 3&4E: Oct 2 MG 4L: Nov 4 MG 5: Nov 4	MG 3&4E: Nov 12 MG 4L: Nov 13 MG 5: Nov 13	MG 3&4E: Oct 3 MG 4L: Oct 6 MG 5: Oct 20	MG3&4E: Oct 10 MG4L: Oct 16 MG5: Oct 28
Rows Planted/ Harvested	6 rows planted/ 4 rows harvested	4 rows planted/ 4 rows harvested	6 rows planted/ 4 rows harvested	6 rows planted/ 4 rows harvested	5 rows planted/ 3 rows harvested
Harvested Row Length	17-22' (each plot measured)	14-18' (each plot measured)	20-22' (each plot measured)	15'-18' (each plot measured)	10'
Fertilization	June 11, 2025: 100 lb/A 0-0-60	April, 21, 2025: 50 lb/A 11-52-0	None	May 8, 2025: 80 lb/A 11-52-0 + 100 lb/A 0-0-60	Jan 23, 2025: 25lb/A 12-0-0-1.5 Feb 19, 2025: 25lb/A 12-0-0-1.5
In-Season Applications	June 13, 2025: 1qt/A BroadAxe July 17, 2025: 1qt/A Roundup PowerMAX + 1pt/A Dual Magnum	April 9, 2025: 1qt/A Roundup + 1.5pt/A Weed Rhap A-4D May 8, 2025: 6.45oz/A Authority First + 1.25pt/A Medal EC June 9, 2025: 48oz/A Warrant Ultra	April 10, 2025: 1qt/A Roundup PowerMAX3 + 1.5pt/A Weed Rhap A-4D June 5, 2025: 6.45oz/A Authority First + 30oz/A Roundup ProMAX + 20 oz/A Dual July 4, 2025: 30oz/A Roundup ProMAX + 2pt/A Basagran	March 4, 2025: 1qt/A Envy K-Six May 2, 2025: 6.5oz/A Authority First + 1qt/A Roundup ProMAX May 5, 2025: 1.25pt/A Medal EC June 3, 2025: 1qt/A Roundup ProMAX + 48oz/A Warrant Ultra July 8, 2025: 1qt/A Roundup ProMAX Aug 5, 2025: 5.5oz/A Lucento + 10oz/A Besiege	April 10, 2025: 32oz/A Roundup June 26, 2025: 32oz/A Roundup + 2.5oz/A Zidua July 18, 2025: 32oz/A Roundup

Table 1 *Continued*. Field and management information of the 2025 full season soybean performance tests.

Location	Blackstone	Orange	Painter	Suffolk	Warsaw
Rainfall (in.)	May - 6.56" June - 2.92" July - 7.45" August - 2.29" September - 4.19" October - 1.37" November - 1.32"	May - 6.57" June - 0.63" July - 4.05" August - 0.72" September - 0.66" October - 1.29" November - 0.19"	May - 5.72" June - 2.41" July - 3.20" August - 3.34" September - 6.26" October - 2.87" November - 1.32"	May - 4.27" June - 5.17" July - 9.95" August - 1.92" September - 4.13" October - 2.90" November - 1.37"	May - 6.23" June - 1.27" July - 9.84" August - 1.69" September - 5.60" October - 1.56" November - 1.71"

Rainfall information from <https://vt-arec.weatherstem.com/>

Table 2. Field and management information of the 2025 double-crop soybean performance tests.

Location	Suffolk	Warsaw
Soil Type	Lynchburg fine sandy loam	Kempsville loam
Row Spacing (in.)	15"	22"
Cultivation Type	No Till	No Till
Planting Dates	June 26, 2026	June 30, 2025
Harvest Dates	MG 4E: Nov 10 MG 4L: Nov 10 MG 5: Nov 10	MG 4E: Nov 12 MG 4L: Nov 12 MG 5: Nov 13
Rows Planted/ Harvested	6 rows planted/ 4 rows harvested	5 rows planted/ 3 rows harvested
Harvested Row Length	15-19' (each plot measured)	10'
Fertilization	March 4, 2025: 24gal/A 24-0-0-3 April 10, 2025: 24gal/A 24-0-0-3 July 31, 2025: 71.3oz/A 0-0-29	Jan 23, 2025: 25lbs/A 12-0-0-1.5 Feb 19, 2025: 25lbs/A 12-0-0-1.5
In-Season Applications	June 27, 2025: 6.45oz/A Authority First + 1qt/A Roundup ProMAX + 1.25pt/A Medal EC July 31, 2025: 48oz/A Warrant Ultra + 1qt/A Buccaneer Plus Aug 19, 2025: 10oz/A Besiege	March 10, 2025: 0.75oz/A Harmony Extra SG + 5.5oz/A Starane Ultra June 26, 2025: 40oz/A Round Up PM + 1qt/A Noventa + 2.5oz/A Zidua Aug 22, 2025: 25.6oz/A Flexstar + 32oz/A Intensity One
Rainfall (in.)	June – 5.17" July – 9.95" August – 1.92" September – 4.13" October – 2.90" November – 1.37"	June – 1.27" July – 9.84" August – 1.69" September – 5.60" October – 1.56" November – 1.71"

Rainfall information from <https://vt-arcc.weatherstem.com/>

Yield Summaries Across All Full Season Variety Trial Locations in 2025

Table 3a. Yield summaries (bu/A) of full season “early” (relative MG 3.8 – 4.4) entries.

Brand	Variety	Herbicide	Rel. M.G.	Blackstone	Orange	Painter	Suffolk	Warsaw	Avg.
Pioneer Hi-Bred	P43Z44SE	Enlist E3/STS	4.3	46.2	69.4	43.8	79.5	98.5	67.5
Revere	39-F94	XtendFlex/SR	3.9	41.6	77.2	39.3	90.6	84.2	66.6
USG	USG 7435ET	Enlist E3	4.3	53.2	66.5	32.2	77.7	93.0	64.5
Golden Harvest	GH4093E3	Enlist E3	4.0	51.7	76.7	32.2	69.1	90.2	64.0
Southern Harvest	SH 4024	Enlist E3	4.0	42.7	75.7	36.3	78.3	86.3	63.9
HiSOY	HS 44E40	Enlist E3	4.4	47.7	68.7	35.5	81.8	85.6	63.8
Golden Harvest	GH4214E3S	Enlist E3/STS	4.2	48.5	74.5	30.4	77.8	87.5	63.8
Channel	3823RXF	XtendFlex	3.8	39.2	68.3	41.1	77.2	89.7	63.1
USG	USG 7415ET	Enlist E3	4.1	43.0	69.9	34.7	75.9	88.3	62.4
Seedway	SX 4205E3	Enlist E3	4.2	41.5	83.5	36.1	64.2	83.9	61.9
Golden Harvest	GH4433E3S	Enlist E3/STS	4.4	48.9	67.2	34.0	74.5	84.3	61.8
Xitavo	XO 4255E	Enlist E3	4.2	43.9	64.6	31.5	77.8	90.1	61.6
Innvictis	B3934E	Enlist E3	3.9	45.6	68.9	33.8	72.1	86.3	61.3
Channel	4125RXF/SR	XtendFlex/SR	4.1	39.7	75.1	37.6	61.0	91.5	61.0
Revere	44-F44	XtendFlex/STS	4.4	46.7	66.5	33.6	72.3	85.3	60.9
Grand Mean				45.3	71.5	35.5	75.5	88.1	--
CV				16.8	11.7	18.4	19.2	7.2	--
LSD P<0.05				11.3	9.9	11.0	26.2	10.4	--

Table 3b. Yield summaries (bu/A) of full season late maturity group IV (relative MG 4.5 – 4.9) entries.

Brand	Variety	Herbicide	Rel. M.G.	Blackstone	Orange	Painter	Suffolk	Warsaw	Avg.
Pioneer Hi-Bred	P48A14E	Enlist E3	4.8	54.5	54.7	34.8	66.8	95.9	61.4
Dyna-Gro Seed	S49XF43S	XtendFlex/STS	4.9	50.4	53.0	33.3	70.5	95.7	60.6
NK Seeds	NK47-G5E3S	Enlist E3/STS	4.7	53.1	63.7	28.5	64.2	92.8	60.5
Revere	47-E74	Enlist E3/STS	4.7	49.7	59.3	32.4	67.9	90.5	59.9
Innvictis	B4553E	Enlist E3	4.5	42.8	58.0	26.1	71.9	100.6	59.9
Pioneer Hi-Bred	P47Z15BE	Enlist E3/Bolt	4.7	43.8	52.3	28.5	67.6	102.2	58.9
HiSOY	HS 47E32	Enlist E3/STS	4.7	49.4	59.8	31.1	67.4	85.6	58.7
Catalyst	CT4925E3S	Enlist E3/STS	4.9	48.9	51.6	31.3	71.1	89.6	58.5
Xitavo	XO 4894E	Enlist E3	4.8	40.4	62.7	25.3	65.7	95.8	58.0
Xitavo	XO 4566E	Enlist E3	4.5	46.1	53.0	28.3	68.7	93.3	57.9
Golden Harvest	GH4775E3	Enlist E3/STS	4.7	48.2	47.1	28.7	65.1	97.8	57.4
Southern Harvest	SH 4526	Enlist E3	4.5	44.7	48.8	22.3	77.1	93.8	57.3
HiSOY	HS 48E50	Enlist E3/STS	4.8	47.1	57.8	26.8	65.7	88.3	57.1
Seedway	SG 4505E3	Enlist E3	4.5	41.4	57.9	29.5	64.9	90.6	56.8
Innvictis	B4845E3S	Enlist E3	4.8	49.4	48.2	27.5	72.0	87.1	56.8
HiSOY	HS 45E32	Enlist E3/STS	4.5	42.0	57.2	33.2	66.0	85.7	56.8
Revere	47-F77	XtendFlex/STS	4.7	46.9	46.6	32.9	66.2	91.4	56.8
HiSOY	HS 48F40	XtendFlex/STS	4.8	52.3	46.4	36.1	57.0	91.8	56.7
Xitavo	XO 4736E	Enlist E3	4.7	48.5	56.5	26.2	63.8	86.8	56.4
Revere	49-F36	XtendFlex/STS	4.9	53.8	41.9	33.7	63.5	88.3	56.2
Dyna-Gro Seed	S48ES56	Enlist E3/STS	4.8	44.8	53.5	27.4	68.5	86.5	56.1
Virginia Tech	V17-2447R	Roundup	4.7	41.3	59.0	31.2	63.2	85.7	56.1
Revere	48-F72	XtendFlex	4.8	50.1	56.6	28.0	58.6	86.6	56.0
USG	USG 7485ETS	Enlist E3/STS	4.8	51.7	50.4	27.5	62.4	87.3	55.9
USG	USG 7494ETS	Enlist E3/STS	4.9	50.0	52.6	29.7	62.0	84.9	55.8

Table 3b *Continued*. Yield summaries (bu/A) of full season late maturity group IV (relative MG 4.5 – 4.9) entries.

Brand	Variety	Herbicide	Rel. M.G.	Blackstone	Orange	Painter	Suffolk	Warsaw	Avg.
Dyna-Gro Seed	S47ES36	Enlist E3/STS	4.7	46.0	52.1	24.3	64.4	90.6	55.5
HiSOY	HS 46F50	XtendFlex/STS	4.6	48.3	44.4	29.1	64.7	90.5	55.4
Fortus	4665ES	Enlist E3/STS	4.6	51.3	55.9	23.5	63.3	82.6	55.3
HiSOY	HS 45E50	Enlist E3/STS	4.5	44.5	48.4	34.6	56.7	91.9	55.2
Channel	4525RXF/SR	XtendFlex/SR	4.5	40.6	48.6	29.1	68.2	88.4	55.0
Integra	XF4875S	XtendFlex/STS	4.8	45.5	47.8	26.0	66.9	87.3	54.7
USG	USG 7456ET	Enlist E3	4.5	44.9	56.4	25.6	66.7	79.3	54.6
Channel	4626RXF/SR	XtendFlex/SR	4.6	50.8	42.1	29.3	62.6	86.2	54.2
Southern Harvest	SH 4825	Enlist E3	4.8	49.2	37.9	18.2	73.8	88.7	53.6
USG	USG 7486ETS	Enlist E3/STS	4.8	48.8	41.2	37.4	59.1	80.9	53.5
Channel	4823RXF/SR	XtendFlex/SR	4.8	48.0	34.9	33.6	62.9	87.8	53.4
Seedway	SG 4805E3	Enlist E3	4.8	43.0	39.8	27.6	65.7	90.0	53.2
USG	USG 7496XFS	XtendFlex/STS	4.9	47.6	40.4	28.4	53.9	89.3	51.9
Virginia Tech	V18-4246R	Roundup	4.7	40.9	24.9	27.8	60.8	89.7	48.8
HiSOY	HS 48E40	Enlist E3/STS	4.8	49.5	48.2	24.2	64.2	--	46.5
Grand Mean				47.3	50.5	29.2	65.3	89.7	--
CV				15.2	23.7	30.6	12.2	8.3	--
LSD P<0.05				10.4	19.1	14.9	12.6	11.3	--

Table 3c. Yield summaries (bu/A) of full season maturity group V (relative MG 5.0 – 6.0) entries.

Brand	Variety	Herbicide	Rel. M.G.	Blackstone	Orange	Painter	Suffolk	Warsaw	Avg.
Channel	5723RXF/SR	XtendFlex/SR	5.7	50.5	46.7	64.1	82.0	86.9	66.0
Virginia Tech	V19-1409RR	Roundup	5.5	37.8	50.9	55.0	73.9	97.3	63.0
Catalyst	CT5293E3	Enlist E3	5.2	39.9	58.6	43.6	77.1	90.6	62.0
Pioneer Hi-Bred	P50Z95E	Enlist E3	5.0	38.3	50.3	34.7	83.0	98.9	61.0
HiSOY	HS 50E40	Enlist E3	5.0	37.9	58.4	32.7	80.3	88.7	59.6
Revere	53-F84	XtendFlex	5.3	40.6	50.3	50.7	70.9	80.5	58.6
NK Seeds	NK50-W4E3S	Enlist E3/STS	5.0	39.2	53.5	38.4	68.1	86.8	57.2
Southern Harvest	SH 5523	Enlist E3	5.5	32.1	39.2	44.2	71.9	92.1	55.9
HiSOY	HS 54F50	XtendFlex	5.4	33.1	38.2	40.9	67.7	99.3	55.8
Southern Harvest	SH 5124	Enlist E3	5.1	38.0	46.4	47.4	66.7	80.1	55.7
Revere	55-F92	XtendFlex	5.5	34.9	37.4	37.6	72.3	94.1	55.2
HiSOY	HS 54E10	Enlist E3	5.4	40.0	24.5	43.8	84.6	82.9	55.2
HiSOY	HS 50F40	XtendFlex	5.0	37.9	58.0	25.5	63.8	88.8	54.8
Southern Harvest	SH 5724	Enlist E3	5.7	28.7	54.6	38.9	70.6	77.9	54.1
Grand Mean				37.8	47.5	42.7	73.6	89.2	--
CV				21.3	27.6	37.2	13.9	9.4	--
LSD P<0.05				12.9	17.9	24.0	16.2	10.4	--

Yield Summaries Across All Double-Crop Variety Trial Locations in 2025

Table 4a. Yield summaries (bu/A) of double-crop “early” (relative MG 3.8 – 4.4) entries.

Brand	Variety	Herbicide	Rel. M.G.	Suffolk	Warsaw	Avg.
Revere	39-F94	XtendFlex/SR	3.9	66.0	59.6	62.8
Revere	44-F44	XtendFlex	4.4	60.3	64.2	62.3
Seedway	SX 4205E3	Enlist E3	4.2	58.8	60.8	59.8
NK Seeds	NK43-K2E3S	Enlist E3/STS	4.3	52.4	57.6	55.0
Pioneer Hi-Bred	P43Z44SE	Enlist E3/STS	4.3	45.9	59.4	52.6
Grand Mean				56.7	60.4	--
CV				17.8	10.5	--
LSD P<0.05				15.3	8.1	--

Table 4b. Yield summaries (bu/A) of double-crop late maturity group IV (relative MG 4.5 – 4.9) entries.

Brand	Variety	Herbicide	Rel. M.G.	Suffolk	Warsaw	Avg.
Revere	47-F77	XtendFlex/STS	4.7	72.4	68.0	70.2
Pioneer Hi-Bred	P47Z15BE	Enlist E3/Bolt	4.7	71.0	61.1	66.0
HiSOY	HS 48F40	XtendFlex/STS	4.8	70.6	58.6	64.6
NK Seeds	NK47-G5E3S	Enlist E3/STS	4.7	63.5	65.4	64.5
USG	USG 7485ETS	Enlist E3/STS	4.8	66.6	62.0	64.3
Seedway	SG 4805E3	Enlist E3	4.8	63.3	64.6	63.9
USG	USG 7496XFS	XtendFlex/STS	4.9	62.6	64.7	63.7
Channel	4626RXF/SR	XtendFlex/SR	4.6	67.1	56.9	62.0
Pioneer Hi-Bred	P48A14E	Enlist E3	4.8	56.3	66.9	61.6
USG	USG 7486ETS	Enlist E3/STS	4.8	62.2	61.0	61.6
NK Seeds	NK47-U1XFS	XtendFlex	4.7	61.1	61.5	61.3
Channel	4823RXF/SR	XtendFlex/SR	4.8	62.6	59.5	61.1
Dyna-Gro Seed	S49XF43S	XtendFlex	4.9	61.1	60.2	60.7
Dyna-Gro Seed	S48ES56	Enlist E3/STS	4.8	56.6	64.3	60.5
Revere	47-E74	Enlist E3/STS	4.7	61.8	58.5	60.2
Revere	49-F36	XtendFlex/STS	4.9	58.0	58.9	58.5
HiSOY	HS 48E50	Enlist E3/STS	4.8	53.5	63.3	58.4
Virginia Tech	V17-2447R	Roundup	4.7	60.7	55.8	58.3
Revere	48-F72	XtendFlex	4.8	57.9	58.1	58.0
Channel	4525RXF/SR	XtendFlex/SR	4.5	46.7	59.7	53.2
Catalyst	CT4925E3S	Enlist E3/STS	4.9	49.2	56.5	52.8
Seedway	SG 4505E3	Enlist E3	4.5	51.0	52.8	51.9
Virginia Tech	V18-4246R	Roundup	4.7	46.8	54.7	50.8
Grand Mean				60.3	60.6	--
CV				23.3	9.5	--
LSD P<0.05				23.8	8.7	--

Table 4c. Yield summaries (bu/A) of double-crop maturity group V (relative MG 5.0 – 6.0) entries.

Brand	Variety	Herbicide	Rel. M.G.	Suffolk	Warsaw	Avg.
Virginia Tech	V19-1409RR	Roundup	5.5	67.6	71.0	69.3
Pioneer Hi-Bred	P50Z95E	Enlist E3	5.0	63.6	72.9	68.3
Revere	53-F84	XtendFlex	5.3	69.4	63.9	66.7
Southern Harvest	SH 5523	Enlist E3	5.5	65.0	64.4	64.7
Channel	5723RXF/SR	XtendFlex/SR	5.7	60.1	68.3	64.2
Southern Harvest	SH 5724	Enlist E3	5.7	64.9	61.6	63.3
Revere	55-F92	XtendFlex	5.5	58.4	67.4	62.9
Catalyst	CT5293E3	Enlist E3	5.2	48.9	63.6	56.3
Grand Mean				62.3	66.6	--
CV				17.0	6.7	--
LSD P<0.05				17.9	5.0	--

Performance Summaries of Each Full Season Test in 2025

Table 5a. Performance of full season “early” (relative MG 3.8 – 4.4) entries at Blackstone, VA.

Brand	Variety	Herbicide	Rel. M.G.	Height	Lodging	Purple Seed	Seed Quality	Seed Size	Yield (Bu/A)
USG	USG 7435ET	Enlist E3	4.3	39.0	1.2	1.7	4.0	14.8	53.2
Golden Harvest	GH4093E3	Enlist E3	4.0	40.0	1.5	1.7	3.7	15.2	51.7
Golden Harvest	GH4433E3S	Enlist E3/STS	4.4	34.3	2.5	0.3	2.3	13.9	48.9
Golden Harvest	GH4214E3S	Enlist E3/STS	4.2	34.7	1.0	5.3	3.3	16.5	48.5
HiSOY	HS 44E40	Enlist E3	4.4	35.0	1.2	2.0	3.0	14.5	47.7
Revere	44-F44	XtendFlex/STS	4.4	37.0	1.5	3.0	1.0	15.9	46.7
Pioneer Hi-Bred	P43Z44SE	Enlist E3/STS	4.3	32.0	1.2	0.0	4.0	14.9	46.2
Innictis	B3934E	Enlist E3	3.9	43.0	1.8	3.3	2.3	12.6	45.6
Xitavo	XO 4255E	Enlist E3	4.2	29.7	1.3	1.0	3.3	14.0	43.9
USG	USG 7415ET	Enlist E3	4.1	36.0	1.0	1.0	2.3	14.4	43.0
Southern Harvest	SH 4024	Enlist E3	4.0	35.0	1.2	1.3	2.0	14.6	42.7
Revere	39-F94	XtendFlex/SR	3.9	35.3	1.5	0.7	1.0	14.2	41.6
Seedway	SX 4205E3	Enlist E3	4.2	32.3	1.2	3.3	2.7	13.5	41.5
Channel	4125RXF/SR	XtendFlex/SR	4.1	31.7	1.0	0.3	1.0	15.1	39.7
Channel	3823RXF	XtendFlex	3.8	31.0	1.2	0.3	1.0	13.3	39.2
Grand Mean				35.0	1.3	1.6	2.5	14.5	45.3
CV (%)				15.7	48.2	101.3	45.7	7.8	16.8
LSD P<0.05				8.6	1.1	1.5	0.6	1.1	11.3

Table 5b. Performance of full season late maturity group IV (relative MG 4.5 – 4.9) entries at Blackstone, VA.

Brand	Variety	Herbicide	Rel. M.G.	Height	Lodging	Purple Seed	Seed Quality	Seed Size	Yield (Bu/A)
Pioneer Hi-Bred	P48A14E	Enlist E3	4.8	45.3	2.0	0.3	2.7	14.1	54.5
Revere	49-F36	XtendFlex/STS	4.9	36.7	1.3	3.0	1.7	16.2	53.8
NK Seeds	NK47-G5E3S	Enlist E3/STS	4.7	37.7	1.7	3.3	2.7	14.0	53.1
HiSOY	HS 48F40	XtendFlex/STS	4.8	30.3	1.2	2.3	1.7	15.8	52.3
USG	USG 7485ETS	Enlist E3/STS	4.8	33.5	1.0	2.5	2.5	14.1	51.7
Fortus	4665ES	Enlist E3/STS	4.6	36.3	1.2	2.3	2.0	14.6	51.3
Channel	4626RXF/SR	XtendFlex/SR	4.6	44.7	1.7	0.3	1.0	13.6	50.8
Dyna-Gro Seed	S49XF43S	XtendFlex/STS	4.9	30.0	1.0	8.7	1.7	14.5	50.4
Revere	48-F72	XtendFlex	4.8	28.7	1.0	3.0	1.0	15.2	50.1
USG	USG 7494ETS	Enlist E3/STS	4.9	37.7	1.7	2.3	2.0	14.4	50.0
Revere	47-E74	Enlist E3/STS	4.7	32.0	1.0	2.0	2.0	13.8	49.7
HiSOY	HS 48E40	Enlist E3/STS	4.8	41.7	1.3	1.3	2.0	14.4	49.5
HiSOY	HS 47E32	Enlist E3/STS	4.7	34.7	1.0	1.0	1.3	14.2	49.4
Inn victis	B4845E3S	Enlist E3	4.8	29.7	1.0	0.7	2.3	13.9	49.4
Southern Harvest	SH 4825	Enlist E3	4.8	30.7	1.0	2.7	2.7	14.2	49.2
Catalyst	CT4925E3S	Enlist E3/STS	4.9	32.0	1.0	2.0	3.3	13.4	48.9
USG	USG 7486ETS	Enlist E3/STS	4.8	35.7	1.0	2.0	2.7	13.2	48.8
Xitavo	XO 4736E	Enlist E3	4.7	42.3	2.3	3.7	2.0	15.8	48.5
HiSOY	HS 46F50	XtendFlex/STS	4.6	37.7	1.2	1.7	1.0	13.2	48.3
Golden Harvest	GH4775E3	Enlist E3/STS	4.7	35.7	1.0	6.7	2.7	14.4	48.2
Channel	4823RXF/SR	XtendFlex/SR	4.8	37.0	1.3	0.0	1.0	15.5	48.0
USG	USG 7496XFS	XtendFlex/STS	4.9	34.7	1.2	3.7	2.0	14.2	47.6
HiSOY	HS 48E50	Enlist E3/STS	4.8	40.7	1.7	0.7	2.0	13.6	47.1
Revere	47-F77	XtendFlex/STS	4.7	39.0	2.0	4.0	1.0	14.4	46.9
Xitavo	XO 4566E	Enlist E3	4.5	35.0	1.0	1.0	4.0	13.0	46.1
Dyna-Gro Seed	S47ES36	Enlist E3/STS	4.7	36.5	1.0	2.5	2.0	13.3	46.0
Integra	XF4875S	XtendFlex/STS	4.8	33.3	1.0	1.0	1.3	15.7	45.5
USG	USG 7456ET	Enlist E3	4.5	32.7	1.0	0.7	2.0	13.1	44.9
Dyna-Gro Seed	S48ES56	Enlist E3/STS	4.8	35.5	1.0	1.0	2.0	13.6	44.8
Southern Harvest	SH 4526	Enlist E3	4.5	33.3	1.0	0.3	2.0	13.2	44.7
HiSOY	HS 45E50	Enlist E3/STS	4.5	33.3	1.3	1.7	3.7	14.8	44.5
Channel	3823RXF	XtendFlex	3.8	33.3	1.0	2.3	1.0	14.4	44.0
Pioneer Hi-Bred	P47Z15BE	Enlist E3/Bolt	4.7	32.7	1.2	1.3	2.7	15.0	43.8
Seedway	SG 4805E3	Enlist E3	4.8	34.3	1.0	2.0	2.0	13.7	43.0

Table 5b *Continued*. Performance of full season late maturity group IV (relative MG 4.5 – 4.9) entries at Blackstone, VA.

Brand	Variety	Herbicide	Rel. M.G.	Height	Lodging	Purple Seed	Seed Quality	Seed Size	Yield (Bu/A)
Innvictis	B4553E	Enlist E3	4.5	30.0	1.0	4.3	2.0	14.7	42.8
HiSOY	HS 45E32	Enlist E3/STS	4.5	29.0	1.0	2.0	2.0	15.7	42.0
Seedway	SG 4505E3	Enlist E3	4.5	31.3	1.3	0.0	2.0	12.9	41.4
Virginia Tech	V17-2447R	Roundup	4.7	46.0	1.7	1.7	1.0	13.5	41.3
Virginia Tech	V18-4246R	Roundup	4.7	41.0	2.0	0.7	2.0	14.7	40.9
Channel	4525RXF/SR	XtendFlex/SR	4.5	32.3	1.2	1.7	1.0	14.6	40.6
Xitavo	XO 4894E	Enlist E3	4.8	34.7	1.0	3.7	2.0	13.7	40.4
Grand Mean				35.3	1.3	2.1	2.0	14.3	47.2
CV (%)				18.6	46.9	104.0	40.3	7.0	15.2
LSD P<0.05				8.9	0.9	2.6	0.7	1.0	10.5

Table 5c. Performance of full season maturity group V (relative MG 5.0 – 6.0) entries at Blackstone, VA.

Brand	Variety	Herbicide	Rel. M.G.	Height	Lodging	Purple Seed	Seed Quality	Seed Size	Yield (Bu/A)
Channel	5723RXF/SR	XtendFlex/SR	5.7	39.7	1.3	0.0	1.0	17.4	50.5
Revere	53-F84	XtendFlex	5.3	29.3	1.0	0.7	1.3	14.5	40.6
HiSOY	HS 54E10	Enlist E3	5.4	34.3	1.0	5.0	1.3	14.8	40.0
Catalyst	CT5293E3	Enlist E3	5.2	28.0	1.0	6.0	3.0	16.0	39.9
NK Seeds	NK50-W4E3S	Enlist E3/STS	5.0	28.0	1.0	3.0	2.0	14.6	39.2
Pioneer Hi-Bred	P50Z95E	Enlist E3	5.0	30.7	1.0	4.0	2.3	14.9	38.3
Southern Harvest	SH 5124	Enlist E3	5.1	30.7	1.0	5.7	2.0	13.7	38.0
HiSOY	HS 50E40	Enlist E3	5.0	30.3	1.0	3.3	2.0	14.0	37.9
HiSOY	HS 50F40	XtendFlex	5.0	26.0	1.0	2.0	1.0	14.6	37.9
Virginia Tech	V19-1409RR	Roundup	5.5	35.3	1.0	0.3	1.0	12.9	37.8
Revere	55-F92	XtendFlex	5.5	32.0	1.0	0.3	1.0	14.4	34.9
HiSOY	HS 54F50	XtendFlex	5.4	29.3	1.0	0.0	1.0	14.8	33.1
Channel	3823RXF	XtendFlex	3.8	29.0	1.0	1.0	1.7	12.7	32.9
Southern Harvest	SH 5523	Enlist E3	5.5	31.0	1.0	1.3	2.0	15.2	32.1
Southern Harvest	SH 5724	Enlist E3	5.7	26.0	1.0	0.0	1.7	12.8	28.7
Grand Mean				30.6	1.0	2.2	1.6	14.5	37.5
CV (%)				15.5	14.6	101.4	40.1	8.7	21.8
LSD P<0.05				6.5	0.2	1.3	0.5	0.8	13.2

Table 6a. Performance of full season “early” (relative MG 3.8 – 4.4) entries at Orange, VA.

Brand	Variety	Herbicide	Rel. M.G.	Height	Lodging	Purple Seed	Seed Quality	Seed Size	Yield (Bu/A)
Seedway	SX 4205E3	Enlist E3	4.2	48.3	1.8	9.7	4.0	15.6	83.5
Revere	39-F94	XtendFlex/SR	3.9	45.3	1.5	1.7	3.0	15.4	77.2
Golden Harvest	GH4093E3	Enlist E3	4.0	48.0	1.5	19.0	5.0	16.1	76.7
Southern Harvest	SH 4024	Enlist E3	4.0	47.3	2.0	20.3	3.7	13.7	75.7
Channel	4125RXF/SR	XtendFlex/SR	4.1	48.0	1.2	0.5	2.5	15.1	75.1
Golden Harvest	GH4214E3S	Enlist E3/STS	4.2	48.7	1.2	21.7	4.3	16.6	74.5
USG	USG 7415ET	Enlist E3	4.1	50.0	1.8	15.7	4.0	14.1	69.9
Pioneer Hi-Bred	P43Z44SE	Enlist E3/STS	4.3	43.7	1.3	42.7	5.0	15.3	69.4
Inn victis	B3934E	Enlist E3	3.9	49.7	1.5	0.0	3.0	12.9	68.9
HiSOY	HS 44E40	Enlist E3	4.4	49.0	1.8	5.7	4.0	13.8	68.7
Channel	3823RXF	XtendFlex	3.8	46.0	1.5	1.0	2.0	12.2	68.3
Golden Harvest	GH4433E3S	Enlist E3/STS	4.4	44.7	1.7	6.0	4.0	14.4	67.2
USG	USG 7435ET	Enlist E3	4.3	47.0	1.7	18.0	4.3	14.8	66.5
Revere	44-F44	XtendFlex/STS	4.4	50.3	1.0	4.7	2.7	15.5	66.5
Xitavo	XO 4255E	Enlist E3	4.2	48.0	1.8	0.3	3.7	11.6	64.6
Grand Mean				47.6	1.6	11.6	3.7	14.5	71.5
CV (%)				4.9	31.5	122.0	23.4	10.9	11.7
LSD P<0.05				2.7	0.8	16.5	0.5	1.6	9.9

Table 6b. Performance of full season late maturity group IV (relative MG 4.5 – 4.9) entries at Orange, VA.

Brand	Variety	Herbicide	Rel. M.G.	Height	Lodging	Purple Seed	Seed Quality	Seed Size	Yield (Bu/A)
NK Seeds	NK47-G5E3S	Enlist E3/STS	4.7	49.0	2.7	1.0	2.0	14.0	63.7
Xitavo	XO 4894E	Enlist E3	4.8	46.0	3.0	0.5	2.0	13.1	62.7
HiSOY	HS 47E32	Enlist E3/STS	4.7	42.0	3.0	0.7	1.0	13.3	59.8
Revere	47-E74	Enlist E3/STS	4.7	40.3	3.3	0.7	2.0	13.3	59.3
Virginia Tech	V17-2447R	Roundup	4.7	51.7	3.7	0.0	1.3	13.2	59.0
Innvictis	B4553E	Enlist E3	4.5	38.0	3.5	0.0	2.0	14.6	58.0
Seedway	SG 4505E3	Enlist E3	4.5	39.7	3.7	0.0	1.7	13.0	57.9
HiSOY	HS 48E50	Enlist E3/STS	4.8	38.7	3.7	0.3	2.0	13.1	57.8
HiSOY	HS 45E32	Enlist E3/STS	4.5	43.5	2.5	0.0	1.5	14.5	57.2
Revere	48-F72	XtendFlex	4.8	46.3	2.0	0.7	1.3	13.9	56.6
Xitavo	XO 4736E	Enlist E3	4.7	36.3	3.5	1.0	2.5	13.6	56.5
USG	USG 7456ET	Enlist E3	4.5	43.3	3.8	0.0	1.7	13.1	56.4
Fortus	4665ES	Enlist E3/STS	4.6	47.0	3.2	1.0	1.0	12.4	55.9
Pioneer Hi-Bred	P48A14E	Enlist E3	4.8	51.0	2.8	1.3	2.3	12.7	54.7
Dyna-Gro Seed	S48ES56	Enlist E3/STS	4.8	48.0	3.3	0.7	1.7	11.8	53.5
Dyna-Gro Seed	S49XF43S	XtendFlex/STS	4.9	45.0	3.5	1.0	1.3	13.3	53.0
Xitavo	XO 4566E	Enlist E3	4.5	43.3	2.8	0.0	2.7	13.9	53.0
USG	USG 7494ETS	Enlist E3/STS	4.9	39.7	3.7	0.7	1.7	12.5	52.6
Pioneer Hi-Bred	P47Z15BE	Enlist E3/Bolt	4.7	52.3	2.7	0.3	2.3	12.6	52.3
Dyna-Gro Seed	S47ES36	Enlist E3/STS	4.7	49.3	2.8	1.3	1.3	53.4	52.1
Catalyst	CT4925E3S	Enlist E3/STS	4.9	44.3	3.0	0.3	2.0	12.4	51.6
USG	USG 7485ETS	Enlist E3/STS	4.8	47.7	3.5	1.7	2.0	13.8	50.4
Southern Harvest	SH 4526	Enlist E3	4.5	41.7	3.5	0.3	1.3	12.6	48.8
Channel	4525RXF/SR	XtendFlex/SR	4.5	49.7	2.0	0.7	1.7	13.9	48.6
HiSOY	HS 45E50	Enlist E3/STS	4.5	47.0	2.3	0.7	2.3	13.2	48.4
Innvictis	B4845E3S	Enlist E3	4.8	43.7	4.2	0.3	2.7	12.2	48.2
HiSOY	HS 48E40	Enlist E3/STS	4.8	49.0	3.3	0.0	2.0	12.7	48.2
Integra	XF4875S	XtendFlex/STS	4.8	47.0	3.7	0.7	1.0	13.8	47.8
Golden Harvest	GH4775E3	Enlist E3/STS	4.7	50.0	2.7	1.0	2.0	13.5	47.1
Revere	47-F77	XtendFlex/STS	4.7	36.7	3.8	0.7	1.0	13.2	46.6
HiSOY	HS 48F40	XtendFlex/STS	4.8	45.7	3.8	1.3	1.7	12.9	46.4
HiSOY	HS 46F50	XtendFlex/STS	4.6	49.5	3.5	0.0	1.5	11.2	44.4
Channel	4626RXF/SR	XtendFlex/SR	4.6	51.0	2.2	1.0	1.0	12.5	42.1
Revere	49-F36	XtendFlex/STS	4.9	40.7	3.8	0.7	1.0	13.3	41.9

Table 6b *Continued*. Performance of full season late maturity group IV (relative MG 4.5 – 4.9) entries at Orange, VA.

Brand	Variety	Herbicide	Rel. M.G.	Height	Lodging	Purple Seed	Seed Quality	Seed Size	Yield (Bu/A)
USG	USG 7486ETS	Enlist E3/STS	4.8	49.3	3.0	0.0	2.0	12.2	41.2
USG	USG 7496XFS	XtendFlex/STS	4.9	37.7	3.5	0.7	1.3	13.7	40.4
Seedway	SG 4805E3	Enlist E3	4.8	48.7	4.7	0.0	1.7	11.3	39.8
Southern Harvest	SH 4825	Enlist E3	4.8	45.7	2.7	0.7	1.7	11.6	37.9
Channel	4823RXF/SR	XtendFlex/SR	4.8	47.3	2.7	0.0	1.0	12.3	34.9
Virginia Tech	V18-4246R	Roundup	4.7	28.0	5.0	0.5	1.0	11.2	24.9
Grand Mean				44.8	3.3	0.6	1.7	14.0	50.5
CV (%)				20.5	29.6	131.9	35.9	81.0	23.7
LSD P<0.05				13.9	1.4	1.2	0.7	18.6	19.1

Table 6c. Performance of full season maturity group V (relative MG 5.0 – 6.0) entries at Orange, VA.

Brand	Variety	Herbicide	Rel. M.G.	Height	Lodging	Purple Seed	Seed Quality	Seed Size	Yield (Bu/A)
Catalyst	CT5293E3	Enlist E3	5.2	52.0	2.7	1.7	2.7	13.7	58.6
HiSOY	HS 50E40	Enlist E3	5.0	53.0	2.3	0.0	1.7	11.8	58.4
HiSOY	HS 50F40	XtendFlex	5.0	47.7	2.3	0.0	1.0	10.8	58.0
Southern Harvest	SH 5724	Enlist E3	5.7	53.3	4.0	0.0	1.7	12.0	54.6
NK Seeds	NK50-W4E3S	Enlist E3/STS	5.0	48.7	3.0	1.7	2.3	13.5	53.5
Virginia Tech	V19-1409RR	Roundup	5.5	49.5	4.0	0.0	1.0	11.7	50.9
Pioneer Hi-Bred	P50Z95E	Enlist E3	5.0	51.5	1.5	1.5	3.0	13.3	50.3
Revere	53-F84	XtendFlex	5.3	45.7	2.0	0.7	1.7	12.6	50.3
Channel	5723RXF/SR	XtendFlex/SR	5.7	48.7	2.0	0.3	1.0	12.2	46.7
Southern Harvest	SH 5124	Enlist E3	5.1	53.7	3.0	0.7	2.0	12.0	46.4
Southern Harvest	SH 5523	Enlist E3	5.5	52.0	3.0	1.7	2.3	12.8	39.2
HiSOY	HS 54F50	XtendFlex	5.4	44.7	2.7	0.0	1.7	12.7	38.2
Revere	55-F92	XtendFlex	5.5	47.0	3.0	0.0	1.7	12.3	37.4
HiSOY	HS 54E10	Enlist E3	5.4	52.0	2.0	1.3	2.3	9.8	24.5
Grand Mean				49.9	2.7	0.7	1.8	12.2	47.5
CV (%)				7.3	38.2	139.9	37.8	13.8	27.6
LSD P<0.05				4.5	1.3	1.3	0.8	2.8	17.9

Table 7a. Performance of full season “early” (relative MG 3.8 – 4.4) entries at Painter, VA.

Brand	Variety	Herbicide	Rel. M.G.	Height	Lodging	Purple Seed	Seed Quality	Seed Size	Yield
Pioneer Hi-Bred	P43Z44SE	Enlist E3/STS	4.3	23.0	1.0	13.0	4.0	19.2	43.8
Channel	3823RXF	XtendFlex	3.8	24.7	1.0	4.7	3.0	16.3	41.1
Revere	39-F94	XtendFlex/SR	3.9	21.7	1.0	15.7	2.3	19.6	39.3
Channel	4125RXF/SR	XtendFlex/SR	4.1	24.3	1.0	11.7	3.0	17.4	37.6
Southern Harvest	SH 4024	Enlist E3	4.0	23.7	1.0	15.0	3.5	18.7	36.3
Seedway	SX 4205E3	Enlist E3	4.2	22.0	1.0	16.3	3.3	17.2	36.1
HiSOY	HS 44E40	Enlist E3	4.4	22.0	1.0	19.7	4.0	16.8	35.5
USG	USG 7415ET	Enlist E3	4.1	22.0	1.0	13.3	3.0	17.1	34.7
Golden Harvest	GH4433E3S	Enlist E3/STS	4.4	23.0	1.0	14.7	3.7	17.5	34.0
Innvictis	B3934E	Enlist E3	3.9	27.3	1.0	24.5	4.0	16.8	33.8
Revere	44-F44	XtendFlex/STS	4.4	24.7	1.0	17.3	2.7	21.3	33.6
USG	USG 7435ET	Enlist E3	4.3	22.0	1.0	19.0	4.0	18.1	32.2
Golden Harvest	GH4093E3	Enlist E3	4.0	21.7	1.0	19.0	4.3	17.5	32.2
Xitavo	XO 4255E	Enlist E3	4.2	22.3	1.0	8.0	3.7	16.0	31.5
Golden Harvest	GH4214E3S	Enlist E3/STS	4.2	23.3	1.0	15.7	4.7	17.6	30.4
Grand Mean				23.2	1.0	15.0	3.5	17.8	35.5
CV (%)				15.5	0.0	41.5	20.8	13.9	18.4
LSD P<0.05				6.4	--	8.4	0.7	4.2	11.0

Table 7b. Performance of full season late maturity group IV (relative MG 4.5 – 4.9) entries at Painter, VA.

Brand	Variety	Herbicide	Rel. M.G.	Height	Lodging	PSS	Seed Quality	Seed Size	Yield
USG	USG 7486ETS	Enlist E3/STS	4.8	24.7	1.0	26.0	4.0	16.7	37.4
HiSOY	HS 48F40	XtendFlex/STS	4.8	25.7	1.3	14.3	3.0	19.4	36.1
Pioneer Hi-Bred	P48A14E	Enlist E3	4.8	27.3	1.0	9.0	3.7	16.4	34.8
HiSOY	HS 45E50	Enlist E3/STS	4.5	22.3	1.0	12.7	4.0	18.4	34.6
Revere	49-F36	XtendFlex/STS	4.9	24.3	1.0	10.3	3.0	18.5	33.7
Channel	4823RXF/SR	XtendFlex/SR	4.8	20.0	1.0	13.7	3.0	18.2	33.6
Dyna-Gro Seed	S49XF43S	XtendFlex/STS	4.9	18.3	1.0	22.3	3.3	17.3	33.3
HiSOY	HS 45E32	Enlist E3/STS	4.5	20.3	1.0	14.7	3.7	17.5	33.2
Revere	47-F77	XtendFlex/STS	4.7	24.7	1.0	10.3	3.0	17.4	32.9
Revere	47-E74	Enlist E3/STS	4.7	22.3	1.3	16.7	3.7	15.8	32.4
Catalyst	CT4925E3S	Enlist E3/STS	4.9	19.0	1.0	17.3	4.0	15.3	31.3
Virginia Tech	V17-2447R	Roundup	4.7	23.7	1.0	7.3	2.0	16.5	31.2
HiSOY	HS 47E32	Enlist E3/STS	4.7	22.7	1.0	21.0	4.0	17.1	31.1
USG	USG 7494ETS	Enlist E3/STS	4.9	24.3	1.0	11.7	2.3	17.0	29.7
Seedway	SG 4505E3	Enlist E3	4.5	19.3	1.0	9.3	3.3	15.7	29.5
Channel	4626RXF/SR	XtendFlex/SR	4.6	25.7	1.0	11.7	3.3	16.7	29.3
HiSOY	HS 46F50	XtendFlex/STS	4.6	21.0	1.0	10.7	2.7	17.1	29.1
Channel	4525RXF/SR	XtendFlex/SR	4.5	20.0	1.0	7.7	3.0	16.9	29.1
Golden Harvest	GH4775E3	Enlist E3/STS	4.7	19.7	1.0	19.0	4.0	17.0	28.7
NK Seeds	NK47-G5E3S	Enlist E3/STS	4.7	22.7	1.0	15.0	3.7	16.9	28.5
Pioneer Hi-Bred	P47Z15BE	Enlist E3/Bolt	4.7	19.0	1.0	6.7	3.3	17.4	28.5
USG	USG 7496XFS	XtendFlex/STS	4.9	22.7	1.0	15.3	2.0	16.3	28.4
Xitavo	XO 4566E	Enlist E3	4.5	20.7	1.0	12.0	4.0	17.1	28.3
Revere	48-F72	XtendFlex	4.8	20.0	1.0	14.0	2.7	20.1	28.0
Virginia Tech	V18-4246R	Roundup	4.7	23.0	1.0	7.0	2.0	17.9	27.8
Seedway	SG 4805E3	Enlist E3	4.8	20.0	1.0	10.7	4.0	16.8	27.6
Innvictis	B4845E3S	Enlist E3	4.8	21.3	1.0	6.7	3.7	17.2	27.5
USG	USG 7485ETS	Enlist E3/STS	4.8	23.7	1.0	16.3	4.0	16.3	27.5
Dyna-Gro Seed	S48ES56	Enlist E3/STS	4.8	22.0	1.0	12.3	4.0	16.9	27.4
HiSOY	HS 48E50	Enlist E3/STS	4.8	23.3	1.0	11.3	3.7	16.5	26.8
Xitavo	XO 4736E	Enlist E3	4.7	20.0	1.0	26.7	4.0	17.5	26.2
Innvictis	B4553E	Enlist E3	4.5	20.0	1.0	15.3	4.0	16.4	26.1
Integra	XF4875S	XtendFlex/STS	4.8	21.3	1.0	18.0	4.0	19.2	26.0
USG	USG 7456ET	Enlist E3	4.5	19.0	1.0	6.7	3.3	15.8	25.6

Table 7b. *Continued.* Performance of full season late maturity group IV (relative MG 4.5 – 4.9) entries at Painter, VA.

Brand	Variety	Herbicide	Rel. M.G.	Height	Lodging	PSS	Seed Quality	Seed Size	Yield
Xitavo	XO 4894E	Enlist E3	4.8	21.5	1.0	15.5	4.0	17.0	25.3
Dyna-Gro Seed	S47ES36	Enlist E3/STS	4.7	21.7	1.0	17.7	4.0	16.8	24.3
HiSOY	HS 48E40	Enlist E3/STS	4.8	20.0	1.0	23.0	4.0	16.4	24.2
Fortus	4665ES	Enlist E3/STS	4.6	20.3	1.0	16.7	4.0	16.2	23.5
Southern Harvest	SH 4526	Enlist E3	4.5	20.0	1.0	9.5	3.5	15.7	22.3
Southern Harvest	SH 4825	Enlist E3	4.8	19.5	1.0	17.5	4.0	15.6	18.2
Grand Mean				21.7	1.0	13.9	3.5	17.1	29.2
CV (%)				16.3	12.9	43.6	20.0	7.3	30.6
LSD P<0.05				5.4	0.2	6.5	0.6	1.3	14.9

Table 7c. Performance of full season maturity group V (relative MG 5.0 – 6.0) entries at Painter, VA.

Brand	Variety	Herbicide	Rel. M.G.	Height	Lodging	PSS	Seed Quality	Seed Size	Yield
Channel	5723RXF/SR	XtendFlex/SR	5.7	31.3	2.0	0.0	2.0	18.3	64.1
Virginia Tech	V19-1409RR	Roundup	5.5	29.0	1.5	7.0	1.7	15.6	55.0
Revere	53-F84	XtendFlex	5.3	25.3	1.3	5.7	1.7	18.3	50.7
Southern Harvest	SH 5124	Enlist E3	5.1	26.7	1.3	22.0	4.7	16.9	47.4
Southern Harvest	SH 5523	Enlist E3	5.5	29.3	1.5	12.3	3.3	18.1	44.2
HiSOY	HS 54E10	Enlist E3	5.4	30.3	1.3	11.7	3.3	18.2	43.8
Catalyst	CT5293E3	Enlist E3	5.2	27.0	1.0	27.3	4.7	18.5	43.6
HiSOY	HS 54F50	XtendFlex	5.4	28.0	1.2	7.0	2.0	18.1	40.9
Southern Harvest	SH 5724	Enlist E3	5.7	23.7	1.3	7.0	2.7	15.3	38.9
NK Seeds	NK50-W4E3S	Enlist E3/STS	5.0	25.7	1.0	14.7	4.7	17.8	38.4
Revere	55-F92	XtendFlex	5.5	23.7	1.0	4.7	2.0	19.0	37.6
Pioneer Hi-Bred	P50Z95E	Enlist E3	5.0	22.3	1.0	21.7	5.0	17.4	34.7
HiSOY	HS 50E40	Enlist E3	5.0	21.7	1.0	30.0	5.0	15.9	32.7
HiSOY	HS 50F40	XtendFlex	5.0	20.3	1.0	36.0	3.0	17.9	25.5
Grand Mean				26.0	1.2	14.8	3.3	17.5	42.7
CV (%)				22.4	32.2	83.8	40.7	7.3	37.2
LSD P<0.05				9.3	0.6	12.2	0.7	1.2	24.0

Table 8a. Performance of full season “early” (relative MG 3.8 – 4.4) entries at Suffolk, VA.

Brand	Variety	Herbicide	Rel. M.G.	Height	Lodging	Purple Seed	Seed Quality	Seed Size	Yield (Bu/A)
Revere	39-F94	XtendFlex/SR	3.9	38.0	1.5	0.7	1.0	14.3	90.6
HiSOY	HS 44E40	Enlist E3	4.4	42.0	2.2	1.3	3.0	13.8	81.8
Pioneer Hi-Bred	P43Z44SE	Enlist E3/STS	4.3	39.0	1.3	0.7	3.0	14.8	79.5
Southern Harvest	SH 4024	Enlist E3	4.0	42.0	1.8	0.3	2.0	13.6	78.3
Xitavo	XO 4255E	Enlist E3	4.2	39.7	2.3	0.3	2.3	13.3	77.8
Golden Harvest	GH4214E3S	Enlist E3/STS	4.2	42.0	2.0	0.5	3.0	14.9	77.8
USG	USG 7435ET	Enlist E3	4.3	39.7	1.5	0.3	3.7	14.2	77.7
Channel	3823RXF	XtendFlex	3.8	42.3	1.2	0.0	1.0	13.7	77.2
USG	USG 7415ET	Enlist E3	4.1	42.7	1.7	0.0	2.0	14.8	75.9
Golden Harvest	GH4433E3S	Enlist E3/STS	4.4	40.0	2.2	0.3	2.3	13.6	74.5
Revere	44-F44	XtendFlex/STS	4.4	43.0	1.3	0.3	1.0	14.9	72.3
Innictis	B3934E	Enlist E3	3.9	39.7	1.3	0.7	2.7	14.0	72.1
Golden Harvest	GH4093E3	Enlist E3	4.0	37.0	1.3	2.0	3.7	16.9	69.1
Seedway	SX 4205E3	Enlist E3	4.2	40.0	1.8	2.5	2.5	13.8	64.2
Channel	4125RXF/SR	XtendFlex/SR	4.1	44.3	1.7	0.5	1.0	14.3	61.0
Grand Mean				40.7	1.7	0.7	2.3	14.3	75.5
CV (%)				6.9	30.6	165.1	42.5	6.8	19.2
LSD P<0.05				4.0	0.7	1.9	0.8	0.8	26.2

Table 8b. Performance of full season late maturity group IV (relative MG 4.5 – 4.9) entries at Suffolk, VA.

Brand	Variety	Herbicide	Rel. M.G.	Height	Lodging	Purple Seed	Seed Quality	Seed Size	Yield (Bu/A)
Southern Harvest	SH 4526	Enlist E3	4.5	41.7	2.7	0.3	2.0	13.7	77.1
Southern Harvest	SH 4825	Enlist E3	4.8	42.7	1.7	0.0	2.0	13.8	73.8
Inn victis	B4845E3S	Enlist E3	4.8	46.3	2.5	0.3	2.0	11.5	72.0
Inn victis	B4553E	Enlist E3	4.5	44.0	2.0	1.0	2.0	14.3	71.9
Catalyst	CT4925E3S	Enlist E3/STS	4.9	41.0	1.7	0.0	2.0	13.4	71.1
Dyna-Gro Seed	S49XF43S	XtendFlex/STS	4.9	41.3	2.3	1.3	1.0	13.4	70.5
Xitavo	XO 4566E	Enlist E3	4.5	47.7	1.5	2.3	2.0	13.7	68.7
Dyna-Gro Seed	S48ES56	Enlist E3/STS	4.8	47.0	2.7	0.0	2.0	12.4	68.5
Channel	4525RXF/SR	XtendFlex/SR	4.5	48.3	1.5	0.0	1.3	14.7	68.2
Revere	47-E74	Enlist E3/STS	4.7	44.0	1.3	0.0	2.0	13.0	67.9
Pioneer Hi-Bred	P47Z15BE	Enlist E3/Bolt	4.7	44.7	1.2	0.0	2.0	13.2	67.6
HiSOY	HS 47E32	Enlist E3/STS	4.7	44.0	1.8	0.7	1.3	14.3	67.4
Integra	XF4875S	XtendFlex/STS	4.8	47.5	2.2	0.5	1.0	15.0	66.9
Pioneer Hi-Bred	P48A14E	Enlist E3	4.8	49.0	1.8	0.0	2.0	13.3	66.8
USG	USG 7456ET	Enlist E3	4.5	40.7	2.5	0.3	2.0	13.0	66.7
Revere	47-F77	XtendFlex/STS	4.7	50.3	2.8	0.7	1.3	13.0	66.2
HiSOY	HS 45E32	Enlist E3/STS	4.5	44.7	1.3	0.0	2.0	14.6	66.0
Xitavo	XO 4894E	Enlist E3	4.8	47.3	1.8	0.0	2.0	13.7	65.7
HiSOY	HS 48E50	Enlist E3/STS	4.8	49.3	2.5	0.0	2.0	12.3	65.7
Seedway	SG 4805E3	Enlist E3	4.8	47.3	3.2	0.3	2.3	12.6	65.7
Golden Harvest	GH4775E3	Enlist E3/STS	4.7	43.0	2.2	0.7	2.0	14.1	65.1
Seedway	SG 4505E3	Enlist E3	4.5	44.0	2.7	0.7	2.0	13.4	64.9
HiSOY	HS 46F50	XtendFlex/STS	4.6	45.3	2.3	0.0	1.3	12.5	64.7
Dyna-Gro Seed	S47ES36	Enlist E3/STS	4.7	43.3	2.0	0.0	1.7	13.2	64.4
HiSOY	HS 48E40	Enlist E3/STS	4.8	45.0	2.5	0.7	2.3	13.9	64.2
NK Seeds	NK47-G5E3S	Enlist E3/STS	4.7	44.0	1.8	0.0	2.5	13.5	64.2
Xitavo	XO 4736E	Enlist E3	4.7	51.3	1.8	0.0	2.0	13.0	63.8
Revere	49-F36	XtendFlex/STS	4.9	50.3	3.0	0.0	1.0	14.8	63.5
Fortus	4665ES	Enlist E3/STS	4.6	43.3	1.5	0.3	1.0	14.5	63.3
Virginia Tech	V17-2447R	Roundup	4.7	53.3	1.7	0.0	2.0	14.9	63.2
Channel	4823RXF/SR	XtendFlex/SR	4.8	45.0	1.5	0.0	1.7	15.5	62.9
Channel	4626RXF/SR	XtendFlex/SR	4.6	47.7	2.2	0.3	1.0	13.1	62.6
USG	USG 7485ETS	Enlist E3/STS	4.8	44.7	2.0	0.0	2.0	13.8	62.4
USG	USG 7494ETS	Enlist E3/STS	4.9	45.7	2.2	0.3	1.7	12.7	62.0

Table 8b *Continued*. Performance of full season late maturity group IV (relative MG 4.5 – 4.9) entries at Suffolk, VA.

Brand	Variety	Herbicide	Rel. M.G.	Height	Lodging	Purple Seed	Seed Quality	Seed Size	Yield (Bu/A)
Virginia Tech	V18-4246R	Roundup	4.7	50.3	2.5	0.0	1.3	13.4	60.8
USG	USG 7486ETS	Enlist E3/STS	4.8	48.3	1.5	0.3	2.0	12.3	59.1
Revere	48-F72	XtendFlex	4.8	43.0	1.5	0.3	1.0	13.2	58.6
HiSOY	HS 48F40	XtendFlex/STS	4.8	48.0	2.8	0.0	1.3	15.2	57.0
HiSOY	HS 45E50	Enlist E3/STS	4.5	39.7	1.5	0.0	2.0	14.8	56.7
USG	USG 7496XFS	XtendFlex/STS	4.9	43.7	1.5	0.7	1.0	12.6	53.9
Grand Mean				45.7	2.0	0.3	1.7	13.6	65.3
CV (%)				7.8	30.2	188.3	30.1	7.3	12.2
LSD P<0.05				3.2	0.6	0.7	0.6	0.7	12.6

Table 8c. Performance of full season maturity group V (relative MG 5.0 – 6.0) entries at Suffolk, VA.

Brand	Variety	Herbicide	Rel. M.G.	Height	Lodging	Purple Seed	Seed Quality	Seed Size	Yield (Bu/A)
HiSOY	HS 54E10	Enlist E3	5.4	54.7	1.5	0.3	2.0	13.7	84.6
Pioneer Hi-Bred	P50Z95E	Enlist E3	5.0	44.3	2.2	0.3	2.0	13.9	83.0
Channel	5723RXF/SR	XtendFlex/SR	5.7	42.0	1.0	0.0	1.5	17.6	82.0
HiSOY	HS 50E40	Enlist E3	5.0	45.3	1.3	1.3	2.0	14.4	80.3
Catalyst	CT5293E3	Enlist E3	5.2	44.0	2.0	1.3	2.0	14.4	77.1
Virginia Tech	V19-1409RR	Roundup	5.5	33.7	1.0	0.0	1.0	13.5	73.9
Revere	55-F92	XtendFlex	5.5	30.0	1.0	0.0	1.3	15.6	72.3
Southern Harvest	SH 5523	Enlist E3	5.5	55.0	2.8	1.0	1.0	13.5	71.9
Revere	53-F84	XtendFlex	5.3	48.7	2.5	1.0	1.3	14.6	70.9
Southern Harvest	SH 5724	Enlist E3	5.7	48.3	3.7	1.0	1.0	12.7	70.6
NK Seeds	NK50-W4E3S	Enlist E3/STS	5.0	40.3	2.7	0.0	2.0	15.0	68.1
HiSOY	HS 54F50	XtendFlex	5.4	32.3	1.0	0.0	1.3	15.4	67.7
Southern Harvest	SH 5124	Enlist E3	5.1	46.0	1.8	1.3	1.7	14.5	66.7
HiSOY	HS 50F40	XtendFlex	5.0	42.0	1.3	0.3	1.0	12.6	63.8
Grand Mean				43.4	1.9	0.6	1.5	14.3	73.6
CV (%)				17.6	51.6	166.4	33.5	8.3	13.9
LSD P<0.05				3.7	0.8	1.6	0.6	0.7	16.2

Table 9a. Performance of full season “early” (relative MG 3.8 – 4.4) entries at Warsaw, VA.

Brand	Variety	Herbicide	Rel. M.G.	Height	Lodging	Purple Seed	Seed Quality	Seed Size	Yield (Bu/A)
Pioneer Hi-Bred	P43Z44SE	Enlist E3/STS	4.3	46.0	1.1	0.0	3.0	14.3	98.5
USG	USG 7435ET	Enlist E3	4.3	45.0	1.0	0.0	3.0	14.8	93.0
Channel	4125RXF/SR	XtendFlex/SR	4.1	45.0	1.1	0.0	1.0	15.9	91.5
Golden Harvest	GH4093E3	Enlist E3	4.0	43.7	1.0	1.7	3.0	16.0	90.2
Xitavo	XO 4255E	Enlist E3	4.2	43.7	2.6	1.0	3.0	13.0	90.1
Channel	3823RXF	XtendFlex	3.8	44.0	1.1	0.0	1.3	13.7	89.7
USG	USG 7415ET	Enlist E3	4.1	46.3	1.1	0.7	2.7	13.3	88.3
Golden Harvest	GH4214E3S	Enlist E3/STS	4.2	45.3	1.3	2.3	2.3	16.3	87.5
Southern Harvest	SH 4024	Enlist E3	4.0	46.0	1.2	0.0	3.0	13.1	86.3
Innvictis	B3934E	Enlist E3	3.9	42.0	1.4	1.3	3.0	13.4	86.3
HiSOY	HS 44E40	Enlist E3	4.4	45.0	1.5	0.0	2.0	13.6	85.6
Revere	44-F44	XtendFlex/STS	4.4	48.7	1.3	1.0	1.0	16.3	85.3
Golden Harvest	GH4433E3S	Enlist E3/STS	4.4	42.3	2.0	1.0	2.7	14.6	84.3
Revere	39-F94	XtendFlex/SR	3.9	42.7	3.1	0.0	1.0	13.9	84.2
Seedway	SX 4205E3	Enlist E3	4.2	43.7	1.7	1.7	3.0	13.4	83.9
Grand Mean				44.6	1.5	0.7	2.3	14.4	88.1
CV (%)				5.3	50.0	146.4	38.1	9.2	7.2
LSD P<0.05				3.2	0.9	1.5	0.7	1.1	10.4

Table 9b. Performance of full season late maturity group IV (relative MG 4.5 – 4.9) entries at Warsaw, VA.

Brand	Variety	Herbicide	Rel. M.G.	Height	Lodging	Purple Seed	Seed Quality	Seed Size	Yield (Bu/A)
Pioneer Hi-Bred	P47Z15BE	Enlist E3/Bolt	4.7	49.0	1.0	1.0	3.0	14.2	102.2
Innvictis	B4553E	Enlist E3	4.5	46.3	2.1	0.7	2.0	15.6	100.6
Golden Harvest	GH4775E3	Enlist E3/STS	4.7	47.3	1.7	1.3	3.0	15.9	97.8
Pioneer Hi-Bred	P48A14E	Enlist E3	4.8	50.0	1.2	1.0	3.0	15.1	95.9
Xitavo	XO 4894E	Enlist E3	4.8	49.3	1.3	1.7	2.0	16.3	95.8
Dyna-Gro Seed	S49XF43S	XtendFlex/STS	4.9	45.7	2.8	3.7	1.3	16.1	95.7
Southern Harvest	SH 4526	Enlist E3	4.5	45.7	2.8	0.0	3.0	13.5	93.8
Xitavo	XO 4566E	Enlist E3	4.5	49.3	1.1	0.3	3.7	14.9	93.3
NK Seeds	NK47-G5E3S	Enlist E3/STS	4.7	47.3	1.0	1.7	2.3	15.2	92.8
HiSOY	HS 45E50	Enlist E3/STS	4.5	47.3	1.1	1.0	3.0	16.3	91.9
HiSOY	HS 48F40	XtendFlex/STS	4.8	48.7	1.8	1.3	1.0	17.4	91.8
Revere	47-F77	XtendFlex/STS	4.7	49.7	2.1	1.0	2.0	15.4	91.4
Seedway	SG 4505E3	Enlist E3	4.5	44.7	1.7	0.7	3.0	12.9	90.6
Dyna-Gro Seed	S47ES36	Enlist E3/STS	4.7	50.0	1.1	0.7	2.3	14.6	90.6
HiSOY	HS 46F50	XtendFlex/STS	4.6	47.0	2.2	0.0	1.7	13.9	90.5
Revere	47-E74	Enlist E3/STS	4.7	43.7	2.1	1.0	3.0	13.8	90.5
Seedway	SG 4805E3	Enlist E3	4.8	48.0	2.6	0.3	3.0	14.1	90.0
Virginia Tech	V18-4246R	Roundup	4.7	51.7	2.4	1.7	1.3	16.7	89.7
Catalyst	CT4925E3S	Enlist E3/STS	4.9	48.3	1.0	1.7	3.0	14.0	89.6
USG	USG 7496XFS	XtendFlex/STS	4.9	49.0	1.4	2.3	1.3	14.9	89.3
Southern Harvest	SH 4825	Enlist E3	4.8	48.0	1.8	1.3	2.0	14.2	88.7
Channel	4525RXF/SR	XtendFlex/SR	4.5	50.0	1.1	1.0	1.7	15.6	88.4
HiSOY	HS 48E50	Enlist E3/STS	4.8	49.7	1.5	0.3	3.0	13.5	88.3
Revere	49-F36	XtendFlex/STS	4.9	48.7	2.6	2.0	2.0	17.1	88.3
Channel	4823RXF/SR	XtendFlex/SR	4.8	47.7	1.7	0.3	1.3	17.7	87.8
Integra	XF4875S	XtendFlex/STS	4.8	49.3	2.3	1.3	2.0	16.9	87.3
USG	USG 7485ETS	Enlist E3/STS	4.8	48.7	2.0	1.3	3.0	14.6	87.3
Innvictis	B4845E3S	Enlist E3	4.8	48.0	2.9	1.0	2.0	13.4	87.1
Xitavo	XO 4736E	Enlist E3	4.7	51.7	2.3	2.3	2.0	16.4	86.8
Revere	48-F72	XtendFlex	4.8	48.3	1.2	0.3	2.3	16.1	86.6
Dyna-Gro Seed	S48ES56	Enlist E3/STS	4.8	50.3	2.4	0.3	2.7	13.9	86.5
Channel	4626RXF/SR	XtendFlex/SR	4.6	50.7	1.8	1.0	1.0	14.7	86.2
Virginia Tech	V17-2447R	Roundup	4.7	54.7	1.8	2.0	1.0	16.2	85.7
HiSOY	HS 45E32	Enlist E3/STS	4.5	46.3	2.3	0.3	3.0	14.3	85.7

Table 9b *Continued*. Performance of full season late maturity group IV (relative MG 4.5 – 4.9) entries at Warsaw, VA.

Brand	Variety	Herbicide	Rel. M.G.	Height	Lodging	Purple Seed	Seed Quality	Seed Size	Yield (Bu/A)
HiSOY	HS 47E32	Enlist E3/STS	4.7	45.7	3.3	0.3	2.0	15.6	85.6
USG	USG 7494ETS	Enlist E3/STS	4.9	49.7	1.1	0.7	1.7	15.1	84.9
Fortus	4665ES	Enlist E3/STS	4.6	45.3	1.7	1.0	2.0	15.3	82.6
USG	USG 7486ETS	Enlist E3/STS	4.8	50.3	1.2	3.0	2.7	14.1	80.9
USG	USG 7456ET	Enlist E3	4.5	45.0	1.4	0.0	2.3	13.1	79.3
Grand Mean				48.4	1.8	1.1	2.2	15.1	89.7
CV (%)				5.5	45.1	102.0	34.5	9.1	8.3
LSD P<0.05				3.0	0.9	1.5	0.7	1.2	11.3

Table 9c. Performance of full season maturity group V (relative MG 5.0 – 6.0) entries at Warsaw, VA.

Brand	Variety	Herbicide	Rel. M.G.	Height	Lodging	Purple Seed	Seed Quality	Seed Size	Yield (Bu/A)
HiSOY	HS 54F50	XtendFlex	5.4	38.3	1.0	0.0	2.3	18.1	99.3
Pioneer Hi-Bred	P50Z95E	Enlist E3	5.0	47.3	1.1	5.3	3.0	14.5	98.9
Virginia Tech	V19-1409RR	Roundup	5.5	35.3	1.0	0.0	2.0	16.0	97.3
Revere	55-F92	XtendFlex	5.5	39.7	1.0	2.3	2.0	17.4	94.1
Southern Harvest	SH 5523	Enlist E3	5.5	53.7	2.6	6.3	3.0	15.8	92.1
Catalyst	CT5293E3	Enlist E3	5.2	51.3	1.4	6.0	4.0	15.9	90.6
HiSOY	HS 50F40	XtendFlex	5.0	49.0	1.1	5.0	2.7	14.1	88.8
HiSOY	HS 50E40	Enlist E3	5.0	46.3	1.7	6.3	3.3	13.8	88.7
Channel	5723RXF/SR	XtendFlex/SR	5.7	46.0	1.4	0.7	2.0	18.4	86.9
NK Seeds	NK50-W4E3S	Enlist E3/STS	5.0	47.7	3.0	2.7	3.0	15.4	86.8
HiSOY	HS 54E10	Enlist E3	5.4	53.0	2.1	8.0	4.0	16.2	82.9
Revere	53-F84	XtendFlex	5.3	49.0	1.4	3.0	3.0	15.8	80.5
Southern Harvest	SH 5124	Enlist E3	5.1	50.0	1.6	7.0	3.3	14.4	80.1
Southern Harvest	SH 5724	Enlist E3	5.7	50.5	2.4	2.0	3.0	13.3	77.9
Grand Mean				46.9	1.6	4.0	2.9	15.7	89.2
CV (%)				12.8	46.5	84.3	24.1	10.0	9.4
LSD P<0.05				5.1	0.8	4.0	0.5	0.9	10.4

Performance Summaries of Each Double-Crop Test in 2025

Table 10a. Performance of double-crop early maturity group IV (relative MG 3.9 – 4.4) entries at Suffolk, VA.

Brand	Variety	Herbicide	Rel. M.G.	Height	Lodging	Purple Seed	Seed Quality	Seed Size	Yield (Bu/A)
Revere	39-F94	XtendFlex/SR	3.9	28.3	1.7	2.0	3.0	16.8	66.0
Revere	44-F44	XtendFlex	4.4	35.7	1.0	2.7	2.0	17.1	60.3
Seedway	SX 4205E3	Enlist E3	4.2	32.0	1.2	2.7	2.7	16.5	58.8
NK Seeds	NK43-K2E3S	Enlist E3/STS	4.3	32.3	1.2	1.7	2.3	15.5	52.4
Pioneer Hi-Bred	P43Z44SE	Enlist E3/STS	4.3	25.0	1.2	1.0	3.7	15.7	45.9
Grand Mean				30.7	1.2	2.0	2.7	16.3	56.7
CV (%)				15.0	25.9	65.5	29.2	5.6	17.8
LSD P<0.05				5.6	0.4	2.4	1.2	1.4	15.3

Table 10b. Performance of double-crop late maturity group IV (relative MG 4.5 – 4.9) entries at Suffolk, VA.

Brand	Variety	Herbicide	Rel. M.G.	Height	Lodging	Purple Seed	Seed Quality	Seed Size	Yield (Bu/A)
Revere	47-F77	XtendFlex/STS	4.7	32.0	2.3	1.0	2.0	15.8	72.4
Pioneer Hi-Bred	P47Z15BE	Enlist E3/Bolt	4.7	32.3	1.7	1.7	2.0	16.4	71.0
HiSOY	HS 48F40	XtendFlex/STS	4.8	35.3	3.0	2.3	2.3	17.0	70.6
Channel	4626RXF/SR	XtendFlex/SR	4.6	38.0	3.0	1.0	1.7	16.5	67.1
USG	USG 7485ETS	Enlist E3/STS	4.8	36.7	3.2	1.3	2.0	15.7	66.6
NK Seeds	NK47-G5E3S	Enlist E3/STS	4.7	34.0	2.2	1.7	1.7	17.3	63.5
Seedway	SG 4805E3	Enlist E3	4.8	38.0	3.3	1.0	1.7	15.6	63.3
USG	USG 7496XFS	XtendFlex/STS	4.9	34.7	1.8	1.0	2.0	16.3	62.6
Channel	4823RXF/SR	XtendFlex/SR	4.8	32.3	9.7	0.3	1.7	18.2	62.6
USG	USG 7486ETS	Enlist E3/STS	4.8	38.3	2.7	0.3	2.0	16.0	62.2
Revere	47-E74	Enlist E3/STS	4.7	30.0	1.3	1.7	2.3	16.3	61.8
Dyna-Gro Seed	S49XF43S	XtendFlex	4.9	30.0	2.5	1.0	2.0	16.0	61.1
NK Seeds	NK47-U1XFS	XtendFlex	4.7	31.3	1.8	1.0	1.0	18.1	61.1
Virginia Tech	V17-2447R	Roundup	4.7	37.3	3.5	1.7	1.0	16.0	60.7
Revere	49-F36	XtendFlex/STS	4.9	33.7	2.8	0.7	1.7	17.3	58.0
Revere	48-F72	XtendFlex	4.8	30.0	2.5	0.7	1.3	16.9	57.9
Dyna-Gro Seed	S48ES56	Enlist E3/STS	4.8	35.3	2.8	0.3	2.0	16.6	56.6
Pioneer Hi-Bred	P48A14E	Enlist E3	4.8	32.7	2.0	2.7	2.7	16.3	56.3
HiSOY	HS 48E50	Enlist E3/STS	4.8	36.7	4.0	0.0	1.5	16.6	53.5
Seedway	SG 4505E3	Enlist E3	4.5	32.7	2.5	0.0	2.3	15.3	51.0
Catalyst	CT4925E3S	Enlist E3/STS	4.9	29.0	1.5	0.0	3.0	15.2	49.2
Virginia Tech	V18-4246R	Roundup	4.7	35.0	2.5	1.3	1.7	16.1	46.8
Channel	4525RXF/SR	XtendFlex/SR	4.5	38.0	1.7	2.0	2.0	17.0	46.7
Grand Mean				34.1	2.8	1.1	1.9	16.5	60.3
CV (%)				10.9	102.6	97.3	35.3	5.6	23.3
LSD P<0.05				4.5	4.8	1.6	1.0	1.0	23.8

Table 10c. Performance of double-crop maturity group V (relative MG 5.0 – 5.9) entries at Suffolk, VA.

Brand	Variety	Herbicide	Rel. M.G.	Height	Lodging	Purple Seed	Seed Quality	Seed Size	Yield (Bu/A)
Revere	53-F84	XtendFlex	5.3	33.0	1.3	0.0	1.3	15.5	69.4
Virginia Tech	V19-1409RR	Roundup	5.5	34.3	2.3	0.0	1.7	15.0	67.6
Southern Harvest	SH 5523	Enlist E3	5.5	38.7	2.0	0.3	1.3	16.4	65.0
Southern Harvest	SH 5724	Enlist E3	5.7	40.3	3.0	0.3	2.0	14.3	64.9
Pioneer Hi-Bred	P50Z95E	Enlist E3	5.0	30.3	1.0	0.3	1.7	16.7	63.6
Channel	5723RXF/SR	XtendFlex/SR	5.7	36.0	3.0	0.0	2.5	16.9	60.1
Revere	55-F92	XtendFlex	5.5	33.3	2.3	0.7	1.0	17.1	58.4
Catalyst	CT5293E3	Enlist E3	5.2	34.7	1.7	0.3	2.0	16.9	48.9
Grand Mean				35.0	2.0	0.3	1.7	16.1	62.3
CV (%)				9.9	43.0	172.1	39.2	6.9	17.0
LSD P<0.05				3.1	1.1	0.8	1.0	1.0	17.9

Table 11a. Performance of double-crop early maturity group V (relative MG 3.9 – 4.3) entries at Warsaw, VA.

Brand	Variety	Herbicide	Rel. M.G.	Purple Seed	Seed Quality	Seed Size	Yield (Bu/A)
Revere	44-F44	XtendFlex	4.4	2.3	3.0	20.6	64.2
Seedway	SX 4205E3	Enlist E3	4.2	4.3	3.0	17.5	60.8
Revere	39-F94	XtendFlex/SR	3.9	1.7	2.0	16.8	59.6
Pioneer Hi-Bred	P43Z44SE	Enlist E3/STS	4.3	0.0	3.0	17.8	59.4
NK Seeds	NK43-K2E3S	Enlist E3/STS	4.3	5.3	3.0	16.6	57.6
Grand Mean				2.9	2.8	17.8	60.4
CV (%)				82.0	15.3	9.0	10.5
LSD P<0.05				3.3	Inf	0.9	8.1

Table 11b. Performance of double-crop late maturity group IV (relative MG 4.5 – 4.9) entries at Warsaw, VA.

Brand	Variety	Herbicide	Rel. M.G.	Purple Seed	Seed Quality	Seed Size	Yield (Bu/A)
Revere	47-F77	XtendFlex/STS	4.7	0.7	2.0	18.4	68.0
Pioneer Hi-Bred	P48A14E	Enlist E3	4.8	0.7	2.3	17.4	66.9
NK Seeds	NK47-G5E3S	Enlist E3/STS	4.7	4.0	2.0	18.0	65.4
USG	USG 7496XFS	XtendFlex/STS	4.9	1.0	2.0	16.6	64.7
Seedway	SG 4805E3	Enlist E3	4.8	0.7	2.0	16.9	64.6
Dyna-Gro Seed	S48ES56	Enlist E3/STS	4.8	1.0	3.0	16.7	64.3
HiSOY	HS 48E50	Enlist E3/STS	4.8	0.0	3.0	16.4	63.3
USG	USG 7485ETS	Enlist E3/STS	4.8	2.5	2.5	17.9	62.0
NK Seeds	NK47-U1XFS	XtendFlex	4.7	1.0	2.0	19.4	61.5
Pioneer Hi-Bred	P47Z15BE	Enlist E3/Bolt	4.7	0.7	2.0	17.9	61.1
USG	USG 7486ETS	Enlist E3/STS	4.8	2.3	3.0	16.4	61.0
Dyna-Gro Seed	S49XF43S	XtendFlex	4.9	0.0	2.0	16.6	60.2
Channel	4525RXF/SR	XtendFlex/SR	4.5	1.3	2.3	17.3	59.7
Channel	4823RXF/SR	XtendFlex/SR	4.8	0.3	2.0	20.2	59.5
Revere	49-F36	XtendFlex/STS	4.9	0.7	1.3	19.1	58.9
HiSOY	HS 48F40	XtendFlex/STS	4.8	1.3	2.0	18.9	58.6
Revere	47-E74	Enlist E3/STS	4.7	2.7	3.0	17.5	58.5
Revere	48-F72	XtendFlex	4.8	2.0	1.7	18.2	58.1
Channel	4626RXF/SR	XtendFlex/SR	4.6	1.0	2.3	17.3	56.9
Catalyst	CT4925E3S	Enlist E3/STS	4.9	4.0	3.3	15.0	56.5
Virginia Tech	V17-2447R	Roundup	4.7	0.0	1.7	15.8	55.8
Virginia Tech	V18-4246R	Roundup	4.7	0.7	2.3	17.8	54.7
Seedway	SG 4505E3	Enlist E3	4.5	0.5	3.0	16.5	52.8
Grand Mean				1.3	2.3	17.5	60.6
CV (%)				122.1	26.2	7.6	9.5
LSD P<0.05				2.2	0.6	1.1	8.7

Table 11c. Performance of double-crop maturity group V (relative MG 5.0 – 5.7) entries at Warsaw, VA.

Brand	Variety	Herbicide	Rel. M.G.	Purple Seed	Seed Quality	Seed Size	Yield (Bu/A)
Pioneer Hi-Bred	P50Z95E	Enlist E3	5.0	0.0	3.3	18.1	72.9
Virginia Tech	V19-1409RR	Roundup	5.5	0.0	2.0	16.1	71.0
Channel	5723RXF/SR	XtendFlex/SR	5.7	0.3	2.7	17.6	68.3
Revere	55-F92	XtendFlex	5.5	0.0	2.0	17.3	67.4
Southern Harvest	SH 5523	Enlist E3	5.5	0.3	3.0	16.6	64.4
Revere	53-F84	XtendFlex	5.3	0.0	2.5	15.7	63.9
Catalyst	CT5293E3	Enlist E3	5.2	0.7	3.0	16.9	63.6
Southern Harvest	SH 5724	Enlist E3	5.7	0.0	2.7	14.3	61.6
Grand Mean				0.2	2.7	16.6	66.6
CV (%)				275.6	21.2	7.3	6.7
LSD P<0.05				0.8	0.7	0.4	5.0

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Table 12a. Seed Suppliers for 2025 Virginia soybean performance tests, full season.

Brand, Seed Company, Varieties Tested
Catalyst, Revere Seed, 802 Rozelle Street, Memphis, Tennessee 38104 CT4925E3S, CT5293E3
Channel, Bayer Crop Science, 800 N. Lindbergh Blvd. St. Louis, MO 63167 3823RXF, 4125RXF/SR, 4525RXF/SR, 4626RXF/SR, 4823RXF/SR, 5723RXF/SR
Dyna-Gro, Nutrien, 5296 Harvest Lake Dr., Loveland, CO 80538 S47ES36, S48ES56, S49XF43S
Fortus, Wilbur Ellis Agribusiness, 87194 494th Avenue, O'Neill, NE 68763 4655ES
Golden Harvest, 2001 Butterfield Road, Suite 1600, Downers Grove, IL 60515 GH4093E3, GH4214E3S, GH4433E3S, GH4775E3
HiSOY, Growmark, 1701 Towanda Ave., Bloomington, IL 61701 HS 44E40, HS 45E32, HS 45E50, HS 46F50, HS 47E32, HS 48F40, HS 48E50, HS 50E40, HS 50F40, HS 54E10, HS 54F50
Innvictis, Simplot, 1880 Fall River Dr, Loveland, CO 80538 B3934E, B4553E, B4845E3S
Integra, Wilbur Ellis Agribusiness, 87194 494th Avenue, O'Neill, NE 68763 XF4875S
NK, Syngenta, 4013 Fairmount Pike, Signal Mtn, TN 37377 NK47-G5E3S, NK50-W4E3S
Pioneer, Corteva Agriscience, 9330 Zionsville Road Indianapolis, IN 46268 P43Z44SE, P47Z15BE, P48A14E, P50Z95E
Revere, Revere Seed, 802 Rozelle Street, Memphis, Tennessee 38104 39-F94, 44-F44, 47-E74, 47-F77, 48-F72, 49-F36, 53-F84, 55-F92
Seedway, Seedway, LLC., 1734 Railroad Place, PO Box 250, Hall, NY 14463 SX 4205E3, SG 4505E3, SG 4805E3
Southern Harvest, Meherrin Ag & Chemical Co, Severn, NC 27877 SH 4024, SH 4526, SH 4825, SH 5124, SH 5523, SH 5724
USG, UniSouth Genetics, Inc., 3205C Hwy 46 S, Dickson, TN 37055 7415ET, 7435ET, 7456ET, 7485ETS, 7486ETS, 7494ETS, 7496XFS
Virginia Tech, 220 Ag Quad Ln, Blacksburg, VA 24060 V17-2447R, V18-4246R, V19-1409RR, V21-2059DIR1, V21-2456R1
Xitavo Soybean Seed, BASF, 103 Avenue D, West Point, IA 52656 XO 4255E, XO 4566E, XO 4736E, XO 4894E

Table 12b. Seed Suppliers for 2025 Virginia soybean performance tests, double-crop.

Brand, Seed Company, Varieties Tested
Catalyst, Revere Seed, 802 Rozelle Street, Memphis, Tennessee 38104 CT4925E3S, CT5293E3
Channel, Bayer Crop Science, 800 N. Lindbergh Blvd. St. Louis, MO 63167 4525RXF/SR, 4626RXF/SR, 4823RXF/SR, 5723RXF/SR
Dyna-Gro, Nutrien, 5296 Harvest Lake Dr., Loveland, CO 80538 S48ES56, S49XF43S
HiSOY, Growmark, 1701 Towanda Ave., Bloomington, IL 61701 HS48F40, HS48E50
NK, Syngenta, 4013 Fairmount Pike, Signal Mtn, TN 37377 NK43-K2E3S, NK47-G5E3S, NK47-U1XFS
Pioneer, Corteva Agriscience, 9330 Zionsville Road Indianapolis, IN 46268 P43Z44SE, P47Z15BE, P48A14E, P50Z95E
Revere, Revere Seed, 802 Rozelle Street, Memphis, Tennessee 38104 39-F94, 44-F44, 47-E74, 47-F77, 48-F72, 49-F36, 53-F84, 55-F92
Seedway, Seedway, LLC., 1734 Railroad Place, PO Box 250, Hall, NY 14463 SX 4205E3, SG 4505E3, SG 4805E3
Southern Harvest, Meherrin Ag & Chemical Co, P.O. Box 200/4136, Severn Road, Severn, NC 27877 SH 5523, SH5724
USG, UniSouth Genetics, Inc., 3205C Hwy 46 S, Dickson, TN 37055 7485ETS, 7486ETS, 7496XFS
Virginia Tech, 220 Ag Quad Ln, Blacksburg, VA 24060 V17-2447R, V18-4246R, V19-1409RR, V21-2059DIR1, V21-2456R1

Table 12c. Faculty and staff at each Virginia Tech AREC that contributed to plot research.

Virginia Tech Agricultural Research and Extension Centers
Eastern Virginia Agricultural Research and Extension Center, Warsaw, VA Dr. Joseph Oakes, Mark Vaughn, Austin Gulasky, Jasleen Makkar
Eastern Shore Agricultural Research and Extension Center, Painter, VA Dr. Mark Reiter, Andrew Fletcher, John Mason, Makenzie Shifflet
Northern Piedmont Agricultural Research and Extension Center, Orange, VA Jennifer Sheetz
Southern Piedmont Agricultural Research and Extension Center, Blackstone, VA Dr. Arash Rashed, Edward "Ned" Jones, Laura DeBusk, Jimmy Morris, H. Winfield Harrison, Rooster Watson
Tidewater Agricultural Research and Extension Center, Suffolk, VA Dr. Matthew Chappell, Karl Jones, Bradley Slye, William "Billy" Taylor

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