

MISSISSIPPI SOYBEAN

VARIETY TRIALS, 2024

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MISSISSIPPI'S OFFICIAL VARIETY TRIALS



MISSISSIPPI STATE UNIVERSITY™
MS AGRICULTURAL AND
FORESTRY EXPERIMENT STATION

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TECHNICAL ADVISORY COMMITTEE

Trent Irby, Chairman

Associate Extension Director
Mississippi State University

Tom Allen

Extension/Research Professor
Department of Agricultural Science and
Plant Protection
Delta Research and Extension Center

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Mississippi Agricultural
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Michael Cox

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Department of Plant and Soil Sciences

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Mississippi Soybean Promotion Board

John Burt Strider

Industry Representative
Corteva/Pioneer Seed

Randy Vaughan

MAFES Foundation Seed
Mississippi State University

Dale Weaver

Producer Representative

Joshua White

Manager, MAFES Forage Variety Trials
Department of Plant and Soil Sciences

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Mississippi Soybean Variety Trials, 2024

MAFES Official Variety Trial Contributors

BRAD BURGESS

Director, MAFES Variety Testing
Mississippi State University

JAKE BULLARD

Assistant Director, MAFES Variety Testing
Mississippi State University

TOM ALLEN

Extension/Research Professor
Department of Agricultural Science
and Plant Protection
Delta Research and Extension Center

TRENT IRBY

Associate Extension Director
Mississippi State University

TYLER SOIGNIER

Assistant Professor
Department of Plant and Soil Sciences
MAFES Brown Loam Branch Experiment Station

MARK SILVA

Senior Extension Associate and Program Coordinator
Delta Agricultural Weather Center
Delta Research and Extension Center
Mississippi State University

JOSHUA WHITE

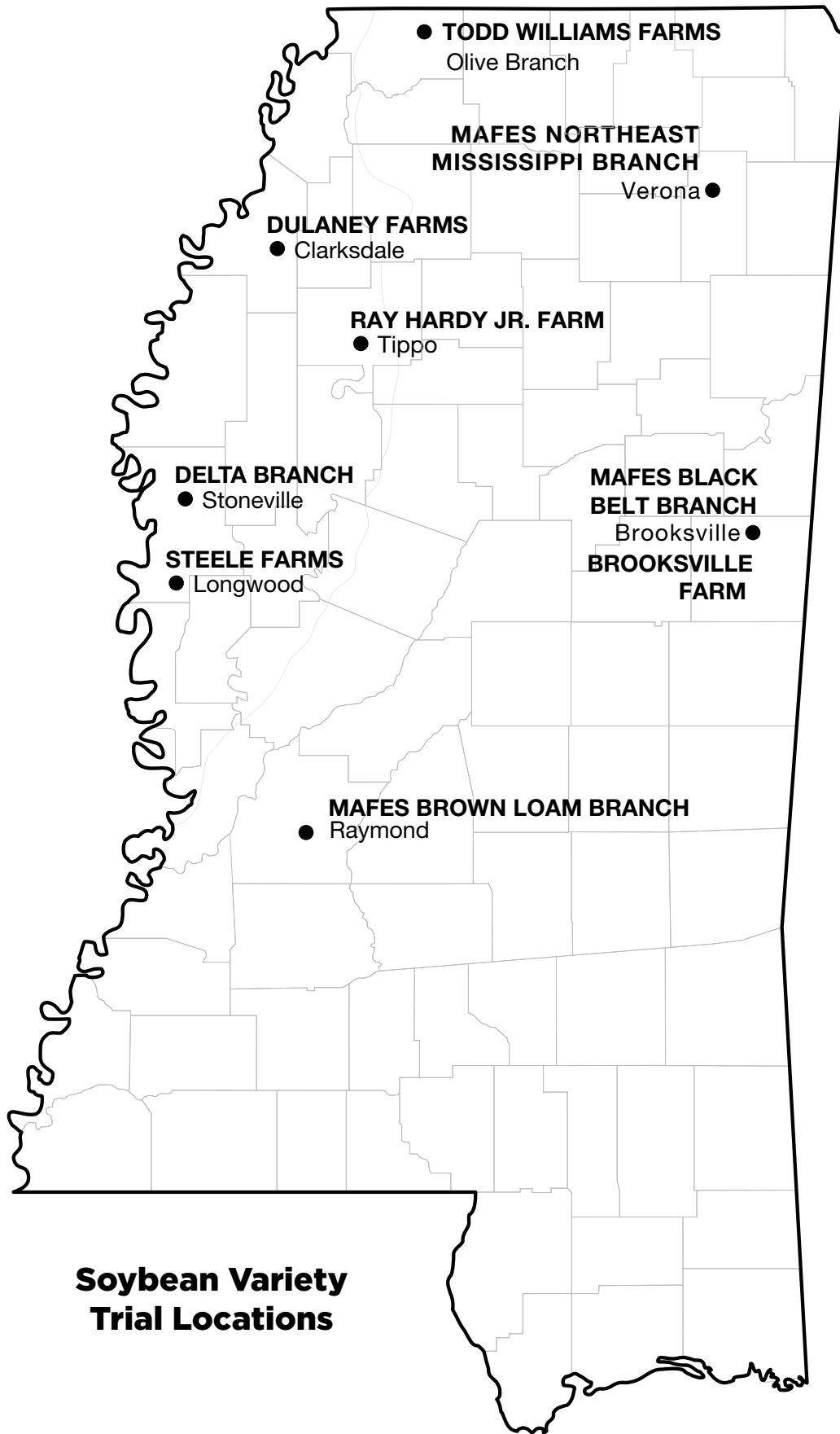
Manager, MAFES Forage Variety Testing
Mississippi State University

For more information, contact Brad Burgess at (662) 325-2390; email, Brad.Burgess@msstate.edu. Recognition is given to Drew Nickels, research technician for the MAFES Variety Trial Program, for his assistance in packaging, planting, harvesting, and recording plot data. This publication was prepared by Dixie Albright, office associate for MAFES Research Support Units. Josh White, manager of MAFES forage variety testing, performed statistical analyses.

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Find variety trial information online at mafes.msstate.edu/variety-trials.



**Soybean Variety
Trial Locations**

Mississippi Soybean Variety Trials, 2024

PROCEDURES

There has been a proliferation of soybean varieties in recent years, and many good varieties are available to Mississippi producers. No single variety is superior, but in some situations, there are varieties that are more specifically adapted than others. Selecting a variety for planting requires knowledge of disease, nematode, and herbicide reactions, as well as the yield performance of each variety on a particular soil type. In many cases, planting the proper varieties will make substantial differences in yield and profitability on a farm. Proper management, including adequate lime, fertilizer, and weed control, is required to produce high yields of any variety, but yields may be limited, even under good management, unless the proper varieties are planted.

Soybean variety trials were conducted at nine locations in 2024 (see map). Commercial seed companies were given the opportunity to enter varieties for testing. Seed of all private entries were supplied by the participating companies. Public varieties were selected by the Technical Advisory Committee for evaluation at each location. The experimental design at each location for each maturity group was a randomized complete block, with three replications of each entry.

Seeding Rate. All seeds were packaged for planting at the rate of nine seeds per foot of row for 30-inch row spacing and at the rate of six seeds per foot for 19-inch row spacing. Plots were planted with a cone planter or vacuum planter, depending on the location. Irrigated plots had four rows, spaced 30 inches apart; nonirrigated plots had three rows, spaced 19 inches apart. All irrigated plots were planted to a plot length of 15 feet by using a planter with a cable trip system.

All nonirrigated plots were planted to a length of 18 feet. Plot ends were trimmed to a uniform length 3 to 4 weeks after emergence.

Cultural Practices. Cultural and pest control practices for optimum yields were followed. Plots were limed and fertilized on the basis of an annual soil test. All seeds were treated with an insecticide/fungicide before planting. Only herbicides currently registered for use on soybean with strict adherence to all label instructions were used in these studies.

Maturity Date. Maturity is considered to be the date when the pods are dry and most of the leaves have dropped. Under most conditions, the stems are also dry.

Yield. An Almaco plot combine was used to harvest each plot. Harvested seed were allowed to dry at ambient temperature to a uniform moisture content before weighing. Weights were converted to yield in bushels per acre (60 pounds per bushel) at 13% moisture.

Plant Height. Plants were measured from the soil to the top extremity, at maturity, and plant height was recorded as the average of the height of plants measured.

Lodging. Lodging was rated and recorded on a scale of 1 = almost all plants erect, 2 = all plants leaning slightly or only a few plants down, 3 = all plants leaning moderately or 25 to 50 percent of plants down, 4 = all plants leaning considerably or 50 to 80 percent of plants down, and 5 = all plants down.

HOW TO SELECT VARIETIES

In Problem or Difficult Fields

1. Identify fields that have had problems in the past. Problems to consider may include diseases, nematodes, or fields that make planting or harvest difficult because of extremely dry or wet conditions. The Mississippi State University Extension Service offers a disease diagnostic service and nematode analysis free of charge.
2. Use Tables 70 to 75 to select varieties for fields that need disease resistance.
3. Select varieties using multi-year averages from all available locations. Identify those varieties that have desired pest resistance along with a high yield potential. Use data from a test site or sites with a soil type similar to that where the soybeans will be grown. Consider planting dates and maturity dates that may allow you to avoid historical field problems.

In Non-problem Fields

1. Identify the farm's highest yielding fields that have no specific disease problems.
2. Select varieties with the best yield potential using multi-year averages from all available locations. Use data from a test site or sites with a soil type similar to that where the soybeans will be grown.
3. Try new varieties on a limited number of acres. Don't abandon older, consistent-performing varieties that are yielding well unless research and experience show an advantage for newer varieties.

Planting Date and Maturity Date

1. Varieties in Maturity Groups IV and V are recommended. Earlier maturing varieties should be considered for planting where fall seedbed preparation was done the previous year and in fields that are subject to drought stress during the growing season and/or wet soils during the usual harvest period. Later maturing varieties should be considered for planting in fields that are not as prone to drought stress, where irrigation will be used to alleviate drought stress, and for later planting. However, early planting of all acreage

is encouraged to reduce risk from drought and obtain higher yields.

2. Early-season production is a practice that has been quite successful and consistent for several years. Cool, wet soils at planting may justify the use of a seed treatment that has activity against Pythium, since no varieties have resistance to infection and resulting damage from this organism. Most Maturity Group IV soybeans have a narrow growth habit. Given their growth, habit narrow rows are quite advantageous. Early April to early May planting is recommended for early-season production of Group IV varieties. Irrigation allows later planting of early-maturing soybeans; however, the full yield potential may not be realized when planted late. Timely harvest is crucial with early-maturing varieties because dry weather at maturity may promote shattering. There is a wide range in maturity within Group IV soybeans. Determine if an early Group IV or a late Group IV variety, or some acreage of both, will fit into your operation.
3. Timely planting is crucial for optimum production of all maturity groups of soybeans. An attempt should be made to complete soybean planting as early as possible. Planting of Group V and Group VI can be made in April. Delays in planting will result in reduced yield potential for almost all varieties in all maturity groups.

Herbicide-Resistant Varieties

1. Evaluate overall performance characteristics of the variety—including yield potential, disease and nematode resistance, maturity date, lodging, etc.—as you would any variety.
2. Compare these characteristics to other varieties, conventional and herbicide-resistant.
3. Consider seed premiums, technology fees, and specific weed problems. Determine total cost of conventional and herbicide-resistant-crop weed control programs, and combine this information with factors listed above in choosing a variety.

GENERAL CHARACTERISTICS OF VARIETIES

Soybean varieties differ in significant characteristics that may not affect their performance. Tables 64 to 67 give the general characteristics of most varieties grown in Mississippi.

Pubescence and Hilum Color. Brown (tawny) and gray are the basic pubescence (hair) colors found among varieties. Varying pod-wall colors result in different intensities of mature pod colors. The “eye” of the seed is called a hilum, or point of attachment to the pod, and it differs in color by variety.

Seed Size. There is no relationship between inherited seed size and seed yield. A small-seeded variety may yield as much as or more than a large-seeded variety. The average seed per pound for different varieties is shown in Tables 64 to 67, but this is subject to seasonal variation. Knowing the number of seed per pound is important in determining the amount of seed needed for planting. Fewer pounds are required for small-seeded varieties than for large-seeded varieties. Your county Extension office has a publication (Information Sheet 1194) that deals with seeding rates and plant populations.

Flowering. Varieties of Maturity Group IV generally display an indeterminate growth habit. This means that a large portion of their vegetative growth occurs after the onset of flowering begins. In contrast, varieties of Groups V and VI display a determinate growth habit, where most of the vegetative growth occurs before flowering. The date of first flower will be determined by the time of planting and maturity. For example, a mid-Group IV variety may bloom 3 weeks earlier than a Group V variety, whereas a late Group IV variety may bloom only 1 week earlier than a Group V variety. Soybean flower petals are purple or white. The flower color is controlled strictly by genetics, and only one flower color occurs in a pure variety.

Maturity Group. Within the Maturity Group IV trials, the wide variation in maturity dates is attributed to lack of rigid standards for classifying varieties within a group. It was decided to subdivide both the Group IV and Group V trials into two maturity groups. All maturity groups were assigned an early- and late-maturity check.

USE OF DATA TABLES AND SUMMARY STATISTICS

The yield potential of a given variety cannot be measured with complete accuracy. Consequently, replicated plots of all varieties are evaluated for yield, and the yield of a given variety is estimated as the mean of all replicated plots of that variety. Yields may vary from one plot to another, which introduces a certain degree of error to the estimation of yield potential. This natural variation is often responsible for yield differences seen among different varieties. Thus, even if the mean yield of two varieties is numerically different, they are not necessarily significantly different in terms of yield potential. In other words, the ability to measure yield is not precise enough to determine whether such small differences are observed purely by chance or because of superior performance.

The least significant difference (LSD) is an estimate of the smallest difference between two varieties that can be declared to be the result of something other than random variation in a particular trial. Consider

the following example for a given trial:

Variety	Yield
Abe	40 bu/A
Bill	35 bu/A
Charlie	31 bu/A
LSD	7 bu/A

The difference between variety Abe and variety Bill is 5 bushels per acre ($40 - 35 = 5$). This difference is smaller than the LSD (7 bushels per acre). Consequently, it is concluded that variety Abe and variety Bill have the same yield potential, since the observed difference occurred purely due to chance.

The difference between variety Abe and variety Charlie is 9 bushels per acre ($40 - 31 = 9$), which is larger than the LSD (7 bushels per acre). Therefore, it is concluded that the yield potential of variety Abe is superior to that of variety Charlie, since the difference is larger than would be expected purely by chance.

The coefficient of variation (CV) is a measure of the relative precision of a given trial and is used to compare the relative precision of different trials. The CV is generally considered to be an estimate of the amount of unexplained variation in a given trial. This unexplained variation could be the result of variation between plots, with respect to soil type, fertility, insects, diseases, drought stress, etc. In general, the higher the CV, the less precise a given trial is.

The coefficient of determination (R^2) is another

measure of the level of precision in a trial and is also used to compare the relative precision of different trials. The R^2 is a measure of the amount of variation that is explained, or accounted for, in a given trial. For example, an R^2 value of 90 percent indicates that 90 percent of the observed variation in the trial has been accounted for, with the remaining 10 percent being unaccounted for. The higher the R^2 value, the more precise the trial. The R^2 is generally considered to be a better measure of precision than is the CV, for comparison of different trials.

Table 1. 2024 Soybean OVT planting and harvest dates

Location	Planting Dates	Harvest Dates	Soil Type	Soil pH	Soil Fertility	Row spacing	Irrigation
Brooksville (Non-Irrigated), Black Belt Branch Station	5/6	9/23(IV's); 10/21(V's)	Brooksville silty clay	6.4	P-M, K-M	19"	None
Brooksville (Irrigated)	5/2	10/4	Brooksville silty clay	6.8	P-H, K-H	30"	Pivot
Clarksdale (Irrigated)	4/24	9/25	Sharkey clay & Forestdale silty clay	6.8	P-H, K-H	30"	Furrow
Longwood (Irrigated)	5/1	10/3	Sharkey clay	7.0	P-H, K-H	19"	Furrow
Olive Branch (Non-Irrigated)	6/7	10/23	Collins silt loam	6.2	P-M, K-M	19"	None
Raymond (Non-Irrigated)	5/7	10/1	Loring silt loam	6.4	P-M, K-M	19"	None
Stoneville-loam (Non-Irrigated), Delta Branch Station	5/1	9/24	Bosket very fine sandy loam	6.3	P-M, K-M	19"	None
Stoneville-clay (Irrigated), Delta Branch Station	4/30	9/24(IV's); 10/18(V's)	Sharkey clay	6.9	P-M, K-H	30"	Furrow
Stoneville-loam (Irrigated), Delta Branch Station	4/30	9/24(IV's); 10/18(V's)	Bosket very fine sandy loam	6.3	P-M, K-M	30"	Furrow
Tippo (Non-Irrigated)	4/26	9/10	Dundee & Tensas silt loam	6.3	P-M, K-M	19"	None
Verona (Non-Irrigated), Northeast MS Branch Station	4/25	10/2(IV's); 10/11(V's)	Leeper silty clay	6.5	P-M, K-M	19"	None

Table 2a. Summary of Yield for irrigated Group IV Early Xtend/XtendFlex for the 2024 Mississippi Soybean Variety Trials.

Brand	Variety	Brooksville	Clarksdale	Longwood	Stoneville	Stoneville	Irrigated Average
		(clay) bu/A	(clay) bu/A	(clay) bu/A	(loam) bu/A	(clay) bu/A	
Armor	45-F02	99.0	83.2	65.2	86.8	77.0	82.2
Armor	45-F65	85.0	84.9	68.0	88.7	80.2	81.4
Armor	46-F15S	99.5	92.4	79.3	95.2	90.9	91.4
Armor	46-F35S	88.0	**	66.5	77.1	80.2	77.9
Asgrow	AG39XF3	82.8	72.8	83.8	68.2	74.7	76.5
Asgrow	AG42XF4	84.5	88.7	74.0	85.7	79.1	82.4
Asgrow	AG44XF4	92.8	91.8	82.3	97.3	91.9	91.2
Asgrow	AG45XF3	101.4	84.0	76.3	100.0	83.0	88.9
Asgrow	AG46XF3	94.9	88.5	84.9	90.2	88.4	89.4
Delta Grow	43F65STS	81.5	99.0	71.1	85.9	84.8	84.5
Delta Grow	46XF54STS	95.4	92.5	77.6	93.6	87.7	89.3
DONMARIO	DM46F54S	97.1	80.0	72.5	81.2	75.4	81.2
Dyna-Gro	S43XF85S	92.7	87.5	74.9	94.8	90.3	88.1
Gateway Seed	457XFS	97.7	85.0	84.0	95.8	93.3	91.2
Gateway Seed	461XFS	89.6	91.3	72.7	90.7	89.5	86.8
Great Heart	GT-4460XF	92.0	95.3	82.0	91.3	94.0	90.9
Great Heart	GT-4538XFS	97.4	96.8	87.8	90.8	93.4	93.2
Great Heart	GT-4632XFS	94.6	95.5	80.1	97.9	88.7	91.4
Innictis	A4503XF	91.4	86.4	82.9	93.2	79.4	86.7
Innictis	A4642XF	95.9	93.5	80.1	98.0	87.7	91.0
Innictis	A4664XF	93.4	94.6	76.8	89.7	89.4	88.8
Integra	XF4634S	98.4	86.5	79.6	91.1	86.8	88.5
NK	NK43-W1XFS	89.2	83.5	85.7	96.7	84.7	88.0
NK	NK46-B4XFS	87.6	86.6	79.2	90.7	87.0	86.2
Pioneer	P41Z80BLX	88.4	86.1	79.4	85.7	85.7	85.0
Pioneer	P46A90LX	102.7	96.9	84.9	92.9	91.7	93.8
Progeny	P 4623XF	97.4	88.4	83.2	93.5	91.4	90.8
Progeny	P 4524XFS	99.4	94.8	85.6	91.9	98.5	94.1
Progeny	P 4604XFS	97.2	88.9	78.3	88.9	90.2	88.7
Progeny	P 4691XFS	88.4	93.0	84.9	96.1	94.4	91.4
Revere	44-F44	99.1	88.2	85.0	88.9	90.5	90.4
Stine	46FD29	85.1	88.1	75.7	86.8	84.8	84.1
MEAN		93.1	89.2	78.9	90.5	87.0	87.7
CV		6.7	8.2	10.2	10.3	6.3	
R ²		56.0	65.0	49.0	48.0	65.0	
LSD		10.2	11.9	NS	15.1	9.1	
Error DF		62	62	62	62	62	

**Variety did not arrive prior to planting at these locations.

Table 2b. Summary of Yield for Non-Irrigated Group IV Early Xtend/XtendFlex for the 2024 Mississippi Soybean Variety Trials.

Brand	Variety	Brooksville	Olive Branch	Raymond	Stoneville	Tippo	Verona	Non-Irr.	Overall
		(clay)	(loam)	(loam)	(loam)	(loam)	(clay)	average	
		bu/A	bu/A	bu/A	bu/A	bu/A	bu/A	bu/A	bu/A
Armor	45-F02	44.3	80.6	61.3	45.2	49.7	58.6	56.6	68.3
Armor	45-F65	46.3	78.5	50.7	63.8	39.8	54.7	55.6	67.3
Armor	46-F15S	56.3	71.7	62.0	58.0	58.9	60.0	61.1	74.9
Armor	46-F35S	58.3	67.9	68.2	49.1	**	**	60.9	69.4
Asgrow	AG39XF3	45.2	68.7	59.1	68.8	38.1	64.1	57.3	66.0
Asgrow	AG42XF4	42.1	75.1	54.7	64.6	42.1	57.6	56.1	68.0
Asgrow	AG44XF4	57.5	76.8	65.6	61.8	42.1	64.4	61.4	74.9
Asgrow	AG45XF3	50.0	78.3	65.0	62.4	40.6	72.6	61.5	74.0
Asgrow	AG46XF3	53.3	77.4	73.5	67.4	47.0	72.1	65.1	76.1
Delta Grow	43F65STS	61.8	68.5	64.4	62.8	46.1	76.7	63.4	73.0
Delta Grow	46XF54STS	58.7	69.5	77.8	59.8	51.9	67.7	64.2	75.7
DONMARIO	DM46F54S	49.6	74.7	59.1	59.3	45.5	68.1	59.4	69.3
Dyna-Gro	S43XF85S	48.9	66.6	56.6	51.2	44.7	60.0	54.7	69.9
Gateway Seed	457XFS	64.0	75.7	76.3	58.7	58.6	70.4	67.3	78.2
Gateway Seed	461XFS	48.3	79.1	66.8	57.5	39.1	56.4	57.9	71.0
Great Heart	GT-4460XF	53.4	74.2	65.9	55.1	45.3	62.9	59.5	73.8
Great Heart	GT-4538XFS	50.5	71.5	60.7	53.4	56.6	69.9	60.4	75.3
Great Heart	GT-4632XFS	58.9	66.7	62.7	58.8	44.2	71.7	60.5	74.5
Innqvictis	A4503XF	44.8	64.4	56.1	51.8	49.4	45.0	51.9	67.7
Innqvictis	A4642XF	49.6	71.8	73.3	53.4	49.3	69.4	61.2	74.7
Innqvictis	A4664XF	49.1	79.8	66.1	61.0	45.2	54.5	59.3	72.7
Integra	XF4634S	55.3	69.7	66.7	46.2	56.4	61.4	59.3	72.5
NK	NK43-WIXFS	50.8	79.1	61.7	52.4	40.5	63.9	58.1	71.7
NK	NK46-B4XFS	53.9	77.1	62.2	58.4	43.0	71.7	61.0	72.5
Pioneer	P41Z80BLX	55.2	66.3	51.5	62.3	48.3	70.3	59.0	70.8
Pioneer	P46A90LX	55.5	71.8	66.8	63.2	52.2	76.7	64.4	77.8
Progeny	P 4623XF	55.6	76.7	66.8	58.8	51.1	71.9	63.5	75.9
Progeny	P 4524XFS	56.1	77.6	62.3	59.9	45.3	65.4	61.1	76.1
Progeny	P 4604XFS	46.6	79.1	56.4	69.4	55.1	58.6	60.9	73.5
Progeny	P 4691XFS	54.2	75.1	69.6	60.4	50.9	75.3	64.3	76.6
Revere	44-F44	53.3	79.8	76.9	62.5	47.5	65.3	64.2	76.1
Stine	46FD29	46.8	74.0	66.7	62.4	41.1	65.2	59.3	70.6
MEAN		52.3	73.9	64.2	58.8	47.3	65.2	60.3	72.8
CV		13.5	9.5	14.4	18.6	11.3	15.9		
R ²		48.0	42.0	52.0	36.0	69.0	54.0		
LSD		11.6	NS	15.0	NS	8.7	NS		
Error DF		62	62	62	62	62	62		

**Variety did not arrive prior to planting at these locations.

Table 3. Summary of 2-year yields for Maturity Group IV Early Xtend and XtendFlex for the 2023 and 2024 Mississippi Soybean Variety Trials.

Brand	Variety	Brooksville	Clarksdale	Longwood	Stoneville	Stoneville	Brooksville	Olive Branch	Raymond	Stoneville	Tippo	Verona	Overall
		Irr.	Irr.	Irr.	Irr.	Irr.	Non-Irr.	Non-Irr.	Non-Irr.	Non-Irr.	Non-Irr.	Non-Irr.	Average
		bu/A	bu/A	bu/A	bu/A	bu/A	bu/A	bu/A	bu/A	bu/A	bu/A	bu/A	bu/A
Armor	45-F02	101.6	83.3	80.8	80.1	74.5	58.8	73.7	47.6	55.4	41.5	70.5	69.8
Asgrow	AG39XF3	80.7	71.3	86.4	69.9	67.1	55.7	71.5	46.9	70.3	34.2	64.3	65.3
Asgrow	AG45XF3	105.4	81.3	92.1	88.2	76.6	68.5	69.7	49.2	64.8	35.7	75.1	73.3
Asgrow	AG46XF3	101.4	89.6	99.2	85.8	83.0	70.2	74.2	57.2	70.3	41.0	75.6	77.0
Delta Grow	46XF54STS	104.0	94.6	95.4	84.4	83.9	73.7	77.9	55.8	64.5	45.7	78.1	78.0
Gateway Seed	457XFS	104.8	93.8	103.1	84.9	88.5	75.4	76.3	60.6	66.8	49.2	82.6	80.5
Gateway Seed	461XFS	95.4	87.7	103.5	81.4	78.1	59.7	74.5	51.6	64.9	36.4	66.3	72.7
Great Heart	GT-4538XFS	105.5	94.0	106.3	81.8	82.2	63.2	75.6	47.9	64.9	47.4	81.0	77.3
NK	NK46-B4XFS	94.3	86.9	105.3	84.1	78.7	65.9	75.7	47.9	69.6	41.1	75.3	75.0
Progeny	P 4623XF	98.5	93.2	94.1	83.8	86.5	67.0	74.3	56.1	62.6	44.7	78.2	76.2
Progeny	P 4604XFS	101.3	90.3	92.2	80.3	80.1	59.5	75.0	45.6	69.1	45.5	67.5	73.3
Progeny	P 4691XFS	97.6	92.2	93.4	85.5	83.1	63.2	73.2	50.1	71.5	41.5	72.6	74.9
OVERALL MEAN		99.2	88.2	96.0	82.5	80.2	65.1	74.3	51.4	66.2	42.0	73.9	74.4

Table 4. Summary of 3-year yields for Maturity Group IV Early Xtend and XtendFlex for the 2022, 2023, and 2024 Mississippi Soybean Variety Trials.

Brand	Variety	Brooksville	Clarksdale	Stoneville	Stoneville	Brooksville	Raymond	Olive Branch	Stoneville	Tippo	Verona	Overall	
		Irr. (clay)	Irr. (clay)	Irr. (loam)	Irr. (clay)	Non-Irr. (clay)	Non-Irr. (loam)	Non-Irr. (loam)	Non-Irr. (loam)	Non-Irr. (loam)	Non-Irr. (loam)	Non-Irr. (clay)	Average
		bu/A	bu/A	bu/A	bu/A	bu/A	bu/A	bu/A	bu/A	bu/A	bu/A	bu/A	bu/A
Armor	45-F02	93.9	85.9	83.4	77.6	44.9	60.6	82.5	69.8	42.6	69.5	71.1	
Asgrow	AG45XF3	97.2	85.5	87.5	79.1	54.1	52.3	77.8	76.0	40.4	73.2	72.3	
Asgrow	AG46XF3	92.7	93.5	84.6	85.0	57.3	67.5	80.1	81.5	45.5	75.0	76.3	
Progeny	P 4604XFS	92.0	94.0	79.5	82.1	44.2	57.1	80.6	80.4	45.7	67.5	72.3	
Progeny	P 4691XFS	89.1	96.7	84.5	84.0	48.0	54.3	78.4	81.1	41.0	69.0	72.6	
OVERALL MEAN		93.0	91.1	83.9	81.6	49.7	58.4	79.9	77.8	43.0	70.8	72.9	

Table 5a. Summary of Yield for Irrigated Group IV Late Xtend/XtendFlex for the 2024 Mississippi Soybean Variety Trials.

Brand	Variety	Brookville	Clarksdale	Longwood	Stoneville	Stoneville	Irr. average
		(clay) bu/A	(clay) bu/A	(clay) bu/A	(loam) bu/A	(clay) bu/A	
Armor	48-F25S	103.2	**	78.5	95.7	95.1	93.1
Armor	48-F55S	96.4	94.4	84.6	87.8	92.5	91.2
Asgrow	AG49XF4	101.2	92.2	77.5	96.3	95.0	92.5
Delta Grow	47XF90STS	78.4	72.4	80.6	89.9	79.3	80.1
Delta Grow	48XF33STS	90.8	85.3	86.2	92.8	96.1	90.2
Delta Grow	48XF70STS	96.2	90.3	91.1	83.6	98.2	91.9
Delta Grow	48XF80RKN	82.2	85.8	71.4	96.0	84.9	84.1
Delta Grow	49XF85/STS	85.3	74.5	83.5	91.1	77.8	82.4
DONMARIO	DM48F53	89.7	90.6	80.6	99.7	91.5	90.4
Dyna-Gro	S47XF23S	97.9	90.7	82.4	92.0	87.4	90.1
Dyna-Gro	S48XF35	101.3	86.4	88.9	99.7	94.1	94.1
Dyna-Gro	S49XF43S	92.0	84.7	81.3	103.3	86.9	89.6
Gateway Seed	473XFS	97.7	84.6	85.9	93.2	85.2	89.3
Gateway Seed	479XFS	97.3	91.0	87.9	100.1	97.8	94.8
Gateway Seed	487XFS	97.0	90.9	86.4	97.6	94.5	93.3
Great Heart	GT-4756XF	92.0	88.7	74.9	96.2	91.6	88.7
Great Heart	GT-4762XF	94.3	87.6	80.4	97.2	93.9	90.7
Great Heart	GT-4791XF	97.0	95.6	89.9	102.6	93.7	95.8
Great Heart	GT-4867XF	95.8	104.6	93.6	106.9	98.5	99.9
Innictis	A4814XF	85.1	89.0	81.7	110.4	89.6	91.2
Innictis	A4862XF	88.2	101.2	97.3	106.8	94.7	97.6
Innictis	A4924XF	90.5	85.5	80.8	93.5	90.6	88.2
Integra	XF4875S	97.5	92.2	97.9	101.0	96.5	97.0
Integra	XF4914S	90.0	86.9	78.7	98.5	87.8	88.4
NK Brand	NK49-N7XF	87.4	83.5	86.8	96.9	83.7	87.7
NK Brand	NK48-A8XFS	100.4	84.8	79.1	91.0	90.3	89.1
NK Brand	NK49-C2XFS	97.9	84.7	82.9	106.8	89.5	92.4
Pioneer	P48Z70BLX	89.7	85.6	80.1	99.6	90.9	89.2
Progeny	P 4947XFS	95.6	87.1	93.0	94.7	98.7	93.8
Progeny	P 4724XFS	87.4	90.0	64.0	86.1	86.4	82.8
Progeny	P 4734XFS	92.3	86.1	74.3	100.3	88.6	88.3
Progeny	P 4798XF	89.0	86.4	85.1	93.8	89.8	88.8
Progeny	P 4806XFS	91.4	95.4	72.6	96.0	88.4	88.8
Progeny	P 4842XFS	93.5	97.6	98.4	98.0	98.2	97.1
Progeny	P 4848XF	93.3	89.2	77.1	100.7	91.9	90.4
Progeny	P 4824XF	95.2	92.2	82.8	102.4	92.8	93.1
Revere	47-F77	113.1	97.3	88.7	97.6	97.2	98.8
Revere	49-F36	98.4	98.5	102.7	85.6	95.2	96.1
Revere	48-F72	93.6	85.5	86.4	94.5	88.9	89.8
Revere	4826XFS	93.5	89.4	88.8	89.1	87.6	89.7
USG	7474XFS	97.4	81.2	76.0	90.8	89.0	86.9
USG	7495XFS	85.7	79.3	91.0	83.8	91.9	86.4
MEAN		93.6	88.8	84.1	96.2	91.2	90.8
CV		6.4	7.2	9.1	9.8	5.3	
R ²		61.0	72.0	62.0	42.0	63.0	
LSD		9.7	10.3	12.3	NS	7.9	
Error DF		82	82	82	82	82	

**Variety did not arrive prior to planting at these locations.

Table 5b. Summary of Yield for Non-Irrigated Group IV Late Xtend/XtendFlex for the 2024 Mississippi Soybean Variety Trials.

Brand	Variety	Brookville	Olive Branch	Raymond	Stoneville	Tippo	Verona	Non-Irr.	Overall
		(clay) bu/A	(loam) bu/A	(loam) bu/A	(loam) bu/A	(loam) bu/A	(clay) bu/A	Average bu/A	Average bu/A
Armor	48-F25S	58.6	74.3	78.7	46.1	**	**	64.4	78.8
Armor	48-F55S	73.2	75.3	79.1	57.3	51.5	57.5	65.6	68.8
Asgrow	AG49XF4	47.6	72.3	79.8	57.4	42.7	73.4	62.2	67.3
Delta Grow	47XF90STS	51.5	63.5	82.2	42.1	38.0	73.6	58.5	61.1
Delta Grow	48XF33STS	58.6	64.2	75.3	72.1	47.4	69.8	64.6	67.5
Delta Grow	48XF70STS	66.2	75.0	78.2	71.0	46.5	79.7	69.4	70.7
Delta Grow	48XF80RKN	58.9	65.5	73.9	49.1	37.7	69.4	59.1	62.7
Delta Grow	49XF85/STS	52.0	60.2	71.0	42.5	45.3	53.8	54.1	59.9
DONMARIO	DM48F53	48.3	69.1	73.4	51.7	45.3	66.7	59.1	65.0
Dyna-Gro	S47XF23S	53.0	67.4	67.2	50.2	50.3	58.2	57.7	64.5
Dyna-Gro	S48XF35	48.6	76.8	73.5	49.9	47.4	56.0	58.7	66.2
Dyna-Gro	S49XF43S	61.7	68.6	81.8	55.5	54.1	55.8	62.9	67.2
Gateway Seed	473XFS	62.1	64.2	83.5	58.6	40.5	67.4	62.7	67.1
Gateway Seed	479XFS	62.8	67.1	86.1	55.6	46.1	80.2	66.3	70.4
Gateway Seed	487XFS	63.4	78.2	88.1	57.2	51.0	83.8	70.3	72.1
Great Heart	GT-4756XF	50.3	60.0	65.9	42.9	50.3	56.9	54.4	61.7
Great Heart	GT-4762XF	51.9	59.4	77.6	44.6	46.2	55.4	55.8	63.2
Great Heart	GT-4791XF	66.4	69.9	78.0	52.7	49.2	66.1	63.7	69.8
Great Heart	GT-4867XF	45.1	69.4	73.6	51.5	52.8	54.8	57.9	68.0
Innictis	A4814XF	55.2	71.8	79.6	53.4	44.4	55.0	59.9	66.0
Innictis	A4862XF	53.4	70.7	81.6	55.3	48.7	56.9	61.1	69.1
Innictis	A4924XF	62.5	68.3	73.1	47.9	51.7	56.0	59.9	64.5
Integra	XF4875S	64.5	79.0	85.7	55.5	43.9	72.7	66.9	71.8
Integra	XF4914S	60.9	68.8	72.1	42.5	49.3	51.0	57.4	63.5
NK Brand	NK49-N7XF	61.1	65.5	76.4	48.3	48.7	63.9	60.6	65.3
NK Brand	NK48-A8XFS	56.9	68.4	84.7	56.1	44.5	66.3	62.8	66.6
NK Brand	NK49-C2XFS	57.3	57.4	74.1	56.8	38.3	73.0	59.5	66.3
Pioneer	P48Z70BLX	49.1	66.1	71.4	53.2	46.5	75.8	60.3	65.2
Progeny	P 4947XFS	59.8	66.7	69.7	61.6	45.4	75.8	63.1	68.1
Progeny	P 4724XFS	59.2	62.8	72.7	60.0	42.6	79.8	62.8	64.1
Progeny	P 4734XFS	56.0	66.0	68.8	62.8	46.3	71.3	61.9	65.8
Progeny	P 4798XF	57.1	62.9	75.4	50.9	47.0	67.8	60.2	65.0
Progeny	P 4806XFS	55.1	66.3	64.4	56.3	47.7	72.7	60.4	65.3
Progeny	P 4842XFS	61.3	65.1	76.4	60.4	51.9	72.7	64.6	70.5
Progeny	P 4848XF	52.1	63.1	70.1	44.4	44.6	60.7	55.8	63.2
Progeny	P 4824XF	74.4	66.8	70.0	46.0	51.0	61.5	61.6	67.5
Revere	47-F77	61.8	64.7	78.0	60.8	52.2	64.2	63.6	70.8
Revere	49-F36	64.8	74.3	87.4	59.5	48.6	77.9	68.8	72.5
Revere	48-F72	57.2	65.8	77.2	53.9	47.9	51.4	58.9	64.8
Revere	4826XFS	48.7	61.4	69.8	46.2	46.8	66.7	56.6	63.7
USG	7474XFS	45.6	68.0	75.7	51.8	43.1	71.2	59.3	63.7
USG	7495XFS	61.8	80.9	83.1	56.0	43.5	60.6	64.3	66.0
MEAN		57.5	67.9	76.3	53.5	46.8	65.9	61.4	66.7
CV		12.0	10.4	10.1	18.0	14.4	15.7		
R ²		60.0	55.0	55.0	44.0	44.0	68.0		
LSD		11.2	11.5	12.4	15.9	NS	16.4		
Error DF		82	82	82	82	82	82		

**Variety did not arrive prior to planting at these locations.

Table 6. Summary of 2-year yields for Maturity Group IV Late Xtend and XtendFlex for the 2023 and 2024 Mississippi Soybean Variety Trials.

Brand	Variety	Brooksville	Clarksdale	Longwood	Stoneville	Stoneville	Brooksville	Olive Branch	Raymond	Stoneville	Tippo	Verona	Overall
		Irr.	Irr.	Irr.	Irr.	Irr.	Non-Irr.	Non-Irr.	Non-Irr.	Non-Irr.	Non-Irr.	Non-Irr.	Average
		(clay)	(clay)	(clay)	(loam)	(clay)	(clay)	(loam)	(loam)	(loam)	(loam)	(clay)	bu/A
		bu/A	bu/A	bu/A	bu/A	bu/A	bu/A	bu/A	bu/A	bu/A	bu/A	bu/A	bu/A
Asgrow	AG49XF4	101.7	84.4	93.9	89.3	85.6	60.5	77.6	58.7	63.0	39.8	75.9	75.5
Delta Grow	48XF33STS	94.6	82.9	104.6	80.3	84.5	62.9	62.4	59.2	68.9	41.4	75.9	74.3
Delta Grow	48XF70STS	97.5	89.3	103.5	82.2	86.8	72.9	73.1	54.7	70.3	40.1	81.4	77.4
Delta Grow	49XF85/STS	88.2	73.0	102.9	84.1	75.9	60.7	67.2	48.3	51.1	36.9	66.3	68.6
DONMARIO	DM48F53	90.8	86.1	101.1	91.0	82.8	62.9	69.8	55.2	61.9	38.1	70.4	73.6
Dyna-Gro	S47XF23S	90.3	84.9	95.0	80.0	80.5	59.1	69.2	49.8	62.0	41.5	73.2	71.4
Dyna-Gro	S49XF43S	97.7	88.9	103.4	91.9	83.9	69.4	74.7	58.3	59.1	43.5	72.2	76.6
Gateway Seed	473XFS	99.5	85.0	99.6	81.7	78.8	70.6	70.1	55.8	57.2	40.2	71.7	73.6
Great Heart	GT-4756XF	92.4	83.8	95.9	85.1	82.8	61.5	63.8	51.8	50.1	39.0	65.5	70.2
Great Heart	GT-4762XF	95.4	81.2	103.6	84.6	81.3	65.6	65.3	54.7	57.7	39.1	73.7	72.9
Great Heart	GT-4867XF	89.1	91.6	101.9	91.9	85.6	51.6	71.9	51.5	59.9	42.7	60.0	72.5
Inniviticis	A4862XF	87.6	93.8	110.0	93.9	84.9	58.1	72.3	60.7	64.5	42.9	62.0	75.5
NK Brand	NK48-A8XFS	104.5	79.7	102.8	80.6	79.0	71.8	73.8	56.2	64.5	42.4	77.0	75.7
NK Brand	NK49-C2XFS	101.9	79.3	104.9	94.7	84.1	69.0	67.9	52.6	65.8	35.7	78.6	75.9
Progeny	P 4947XFS	102.8	90.2	106.3	87.9	90.8	75.3	74.4	55.1	73.1	39.6	88.5	80.3
Progeny	P 4798XF	94.8	86.2	93.1	80.5	80.6	70.1	68.0	51.3	58.9	37.2	80.3	72.8
Progeny	P 4806XFS	94.2	89.7	98.9	87.7	83.1	65.7	68.8	49.3	69.5	43.6	79.3	75.4
Revere	4826XFS	97.7	87.1	106.4	81.2	87.1	68.0	66.8	54.3	58.6	38.4	76.8	74.8
OVERALL MEAN		95.6	85.4	101.5	86.0	83.2	65.3	69.8	54.3	62.0	40.1	73.8	74.3

Table 7. Summary of 3-year yields for Maturity Group IV Late Xtend and XtendFlex for the 2022, 2023, and 2024 Mississippi Soybean Variety Trials.

Brand	Variety	Brooksville	Clarksdale	Stoneville	Stoneville	Brooksville	Raymond	Olive Branch	Stoneville	Tippo	Verona	Overall	
		Irr. (clay)	Irr. (clay)	Irr. (loam)	Irr. (clay)	Non-Irr. (clay)	Non-Irr. (loam)	Non-Irr. (loam)	Non-Irr. (loam)	Non-Irr. (loam)	Non-Irr. (loam)	Non-Irr. (clay)	Average
		bu/A	bu/A	bu/A	bu/A	bu/A	bu/A	bu/A	bu/A	bu/A	bu/A	bu/A	bu/A
Delta Grow	48XF33STS	85.7	85.3	77.2	78.4	48.1	68.6	69.9	74.6	42.9	70.8	70.2	
Delta Grow	48XF70STS	87.1	90.8	79.0	83.8	56.0	60.5	77.2	73.9	41.1	77.5	72.7	
Great Heart	GT-4756XF	87.3	91.0	84.6	82.1	48.5	57.2	73.0	63.5	40.6	65.0	69.3	
Great Heart	GT-4762XF	90.1	88.1	84.0	80.4	53.4	67.3	71.6	65.2	40.0	75.7	71.6	
NK Brand	NK49-C2XFS	95.3	83.6	90.5	83.5	52.6	61.4	74.3	72.9	41.2	77.2	73.3	
Revere	4826XFS	90.1	92.3	80.0	85.2	54.0	63.6	74.1	65.4	39.4	74.7	71.9	
OVERALL MEAN		89.3	88.5	82.5	82.2	52.1	63.1	73.3	69.3	40.9	73.5	71.5	

Table 8. Summary of Yield for Group IV Enlist for the 2024 Mississippi Soybean Variety Trials.

Brand	Variety	Brooksville	Stoneville	Stoneville	Irr.	Brooksville	Olive Branch	Raymond	Stoneville	Verona	Non-Irr.	Overall
		Irr. (clay)	Irr. (loam)	Irr. (clay)	Average	Non-Irr. (clay)	Non-Irr. (loam)	Non-Irr. (loam)	Non-Irr. (loam)	Non-Irr. (clay)	Average	Average
		bu/A	bu/A	bu/A	bu/A	bu/A	bu/A	bu/A	bu/A	bu/A	bu/A	bu/A
Delta Grow	47E70	85.4	82.0	73.3	80.2	47.5	55.3	75.3	33.5	47.1	51.8	62.4
Great Heart	GT-4563ES	85.8	86.0	74.8	82.2	47.3	69.7	72.8	36.2	53.4	55.9	65.8
Great Heart	GT-4854ES	91.0	97.3	76.8	88.4	58.0	65.1	82.7	41.9	58.8	61.3	71.5
Innictis	B4904E	82.0	104.8	78.7	88.5	49.8	65.0	80.4	44.9	47.0	57.4	69.1
Pioneer	P38Z63E	56.6	87.5	54.8	66.3	39.9	39.3	44.0	38.4	37.9	39.9	49.8
Pioneer	P40Z57E	76.6	85.8	64.7	75.7	50.0	50.3	61.6	31.8	41.9	47.1	57.8
Pioneer	P43Z44SE	94.1	101.0	79.3	91.5	55.2	71.5	86.6	51.6	63.3	65.6	75.3
Pioneer	P45Z75E	98.7	99.6	80.1	92.8	54.9	71.5	81.0	47.5	66.5	64.3	75.0
Pioneer	P47Z15BE	91.3	98.0	78.5	89.3	60.6	73.5	82.2	41.9	60.3	63.7	73.3
Pioneer	P49Z02E	90.6	106.8	72.5	90.0	71.8	73.2	86.3	34.8	56.5	64.5	74.1
Stine	46EG92	87.7	93.3	76.6	85.9	46.7	67.3	68.6	36.4	62.3	56.3	67.4
Stine	48EE20	85.6	100.1	74.6	86.8	50.2	57.9	86.1	42.6	66.1	60.6	70.4
MEAN		85.4	95.2	73.7	84.8	52.7	63.3	75.6	40.1	55.1	57.4	67.6
CV		9.6	7.4	6.9		13.8	10.0	7.5	17.0	9.8		
R ²		72.0	68.0	75.0		72.0	78.0	88.0	61.0	84.0		
LSD		13.9	12.1	8.6		12.3	11.0	9.7	11.7	9.2		
Error DF		22	22	22		22	22	22	22	22		

Table 9. Summary of Yield for Group V Early Xtend/XtendFlex for the 2024 Mississippi Soybean Variety Trials.

Brand	Variety	Brooksville	Clarksdale	Long-wood	Stoneville	Stoneville	Irr.	Brooksville	Olive Branch	Raymond	Verona	Non-Irr.	Overall
		Irr.	Irr.	Irr.	Irr.	Irr.	Average	Non-Irr.	Non-Irr.	Non-Irr.	Non-Irr.	Average	Average
		(clay) bu/A	(clay) bu/A	(clay) bu/A	(loam) bu/A	(clay) bu/A	bu/A	(clay) bu/A	(loam) bu/A	(loam) bu/A	(clay) bu/A	bu/A	bu/A
Asgrow	AG53XF2	84.2	83.3	76.7	85.5	90.6	84.1	53.7	64.7	74.8	63.2	64.1	75.2
Asgrow	AG56XF2	82.2	66.3	83.1	91.8	91.3	82.9	49.4	69.6	66.6	54.4	60.0	72.7
Delta Grow	52XF90STS	75.1	74.5	77.6	81.2	84.3	78.5	46.9	65.4	70.7	57.0	60.0	70.3
Delta Grow	53XF95/STS	79.8	71.8	74.1	92.1	85.1	80.6	44.7	62.4	70.7	53.8	57.9	70.5
Delta Grow	55XF23	79.8	68.8	72.8	89.1	83.1	78.7	47.7	63.0	64.8	57.0	58.1	69.6
Dyna-Gro	S51XF84	91.9	82.6	69.2	95.1	83.9	84.6	42.5	64.4	64.2	60.8	58.0	72.8
Dyna-Gro	S55XF95	90.9	60.9	82.1	89.0	86.1	81.8	54.3	68.3	69.9	56.1	62.1	73.1
Great Heart	GT-5320XF	89.1	78.8	68.5	92.3	81.3	82.0	47.1	62.2	68.9	56.6	58.7	71.7
Great Heart	GT-5417X	82.9	75.4	84.8	98.6	93.1	87.0	45.2	71.4	72.4	54.9	61.0	75.4
Inn victis	A5124XF	89.7	**	78.8	93.4	86.1	87.0	36.3	58.3	65.1	**	53.2	72.5
Inn victis	A5284XF	95.6	**	83.8	96.5	89.2	91.3	63.6	71.7	68.2	**	67.8	81.2
NK Brand	NK52-V1XF	95.2	79.3	74.7	96.3	87.3	86.6	55.1	72.2	65.3	63.6	64.1	76.6
NK Brand	NK54-J9XFS	82.7	45.7	76.1	83.7	81.3	73.9	80.3	75.2	84.8	70.0	77.6	75.5
NK Brand	NK56-Z6XFS	79.8	54.3	79.2	84.8	81.5	75.9	64.9	68.7	77.7	36.0	61.8	69.7
Pioneer	P53Z60LX	84.1	72.2	88.8	89.2	83.2	83.5	46.6	64.2	67.6	57.9	59.1	72.7
Progeny	P 5056XFS	76.4	82.8	74.4	88.8	91.5	82.8	51.2	69.5	73.7	48.5	60.7	73.0
Revere	51-F31	90.6	81.6	77.7	87.8	89.6	85.5	40.4	68.3	80.6	68.3	64.4	76.1
Revere	53-F84	90.9	52.1	87.1	77.1	72.8	76.0	71.5	75.6	82.1	78.1	76.8	76.4
MEAN		85.6	70.7	78.3	89.6	85.6	82.4	52.3	67.5	71.6	58.5	62.5	73.6
CV		8.5	11.6	8.3	6.2	5.2		16.9	8.4	12.8	18.0		
R ²		52.0	81.0	55.0	64.0	65.0		72.0	63.0	60.0	65.0		
LSD		12.1	14.0	10.8	9.1	7.3		14.7	9.3	NS	18.0		
Error DF		34	34	34	34	34		34	34	34	34		

**Variety did not arrive prior to planting at these locations.

Table 10. Summary of 2-year yields for Maturity Group V Early Xtend and XtendFlex for the 2023 and 2024 Mississippi Soybean Variety Trials.

Brand	Variety	Brooksville	Clarksdale	Longwood	Stoneville	Stoneville	Brooksville	Olive Branch	Raymond	Verona	Overall Average
		Irr. (clay)	Irr. (clay)	Irr. (clay)	Irr. (loam)	Irr. (clay)	Non-Irr. (clay)	Non-Irr. (loam)	Non-Irr. (loam)	Non-Irr. (clay)	
		bu/A	bu/A	bu/A	bu/A	bu/A	bu/A	bu/A	bu/A	bu/A	
Asgrow	AG53XF2	92.6	83.1	90.1	80.2	75.6	62.0	64.7	57.4	65.3	74.5
Asgrow	AG56XF2	94.0	73.9	100.1	84.4	77.9	65.7	71.5	52.8	67.3	76.4
Delta Grow	53XF95/STS	90.8	78.0	93.0	83.7	79.7	59.7	63.5	52.8	51.9	72.6
Delta Grow	55XF23	77.1	67.1	73.8	70.3	64.1	45.2	67.1	40.2	58.8	62.6
Great Heart	GT-5320XF	95.4	75.7	87.3	81.9	75.9	61.6	66.2	47.6	61.4	72.5
Great Heart	GT-5417X	93.2	79.5	99.5	89.6	85.7	58.9	70.6	54.2	64.9	77.4
NK Brand	NK52-V1XF	99.3	81.5	94.2	86.7	80.1	67.3	72.5	48.2	65.6	77.3
NK Brand	NK54-J9XFS	92.1	63.2	87.8	71.3	72.2	85.8	74.6	58.0	86.5	76.8
NK Brand	NK56-Z6XFS	90.4	64.7	85.8	71.2	69.8	71.3	69.6	56.2	51.9	70.1
Progeny	P 5056XFS	89.4	83.6	87.6	82.5	85.5	65.8	73.5	54.3	65.2	76.4
OVERALL MEAN		91.4	75.0	89.9	80.2	76.6	64.3	69.4	52.2	63.9	73.7

Table 11. Summary of 3-year yields for Maturity Group V Early Xtend and XtendFlex for the 2022, 2023, and 2024 Mississippi Soybean Variety Trials.

Brand	Variety	Brooksville	Clarksdale	Stoneville	Stoneville	Brooksville	Olive Branch	Raymond	Verona	Overall Average
		Irr. (clay)	Irr. (clay)	Irr. (loam)	Irr. (clay)	Non-Irr. (clay)	Non-Irr. (loam)	Non-Irr. (loam)	Non-Irr. (clay)	
		bu/A	bu/A	bu/A	bu/A	bu/A	bu/A	bu/A	bu/A	
Asgrow	AG53XF2	80.7	87.6	79.2	74.1	49.3	70.2	62.6	66.9	71.3
Asgrow	AG56XF2	90.5	77.9	83.9	77.3	54.2	77.2	63.2	72.3	74.6
Progeny	P 5056XFS	86.1	89.8	81.3	83.3	52.7	78.5	63.5	70.5	75.7
OVERALL MEAN		85.8	85.1	81.5	78.2	52.1	75.3	63.1	69.9	73.9

Table 12. Summary of Yield for Group V Late Xtend/XtendFlex for the 2024 Mississippi Soybean Variety Trials.

Brand	Variety	Brooksville	Clarksdale	Longwood	Stoneville	Stoneville	Irr.	Brooksville	Olive Branch	Raymond	Verona	Non-Irr.	Overall
		Irr.	Irr.	Irr.	Irr.	Irr.	Average	Non-Irr.	Non-Irr.	Non-Irr.	Non-Irr.	Average	Average
		(clay)	(clay)	(clay)	(loam)	(clay)	(clay)	(clay)	(loam)	(loam)	(clay)	(clay)	(clay)
		bu/A	bu/A	bu/A	bu/A	bu/A	bu/A	bu/A	bu/A	bu/A	bu/A	bu/A	bu/A
Innvictis	A5813XF	57.3	31.0	81.5	74.7	62.8	61.5	64.7	74.7	82.0	35.0	64.1	62.6
Innvictis	A5994XF	83.7	48.4	79.9	96.7	86.7	79.1	58.0	68.7	84.8	41.3	63.2	72.0
Progeny	5751XF	67.0	43.5	77.6	77.9	72.3	67.7	67.2	83.4	94.5	37.1	70.6	68.9
Revere	5735XFS	64.2	35.0	78.3	79.3	75.4	66.4	72.6	72.8	85.6	32.6	65.9	66.2
MEAN		68.1	39.5	79.3	82.1	74.3	68.7	65.6	74.9	86.7	36.5	65.9	67.5
CV		7.8	14.7	11.9	3.9	2.2		12.8	8.5	12.2	23.0		
R ²		86	85	21	93	98		44	66	39	36		
LSD		10.7	11.6	NS	6.4	3.2		NS	NS	NS	NS		
Error DF		6	6	6	6	6		6	6	6	6		

Table 13. Summary of 2-year yields for Maturity Group V Late Xtend and XtendFlex for the 2023 and 2024 Mississippi Soybean Variety Trials.

Brand	Variety	Brooksville	Clarksdale	Longwood	Stoneville	Stoneville	Brooksville	Olive Branch	Raymond	Verona	Overall
		Irr.	Irr.	Irr.	Irr.	Irr.	Non-Irr.	Non-Irr.	Non-Irr.	Non-Irr.	Average
		(clay)	(clay)	(clay)	(loam)	(clay)	(clay)	(loam)	(loam)	(clay)	(clay)
		bu/A	bu/A	bu/A	bu/A	bu/A	bu/A	bu/A	bu/A	bu/A	bu/A
Innvictis	A5813XF	65.6	47.4	74.2	65.4	53.7	84.3	71.9	51.1	47.9	62.4
Progeny	5751XF	68.6	51.2	73.3	66.6	62.3	86.0	80.2	58.2	49.8	66.2
OVERALL MEAN		67.1	49.3	73.7	66.0	58.0	85.2	76.1	54.6	48.9	64.3

Table 14. Summary of Yield for Group V Enlist for the 2024 Mississippi Soybean Variety Trials.

Brand	Variety	Brooksville	Stoneville	Stoneville	Irr.	Brooksville	Olive Branch	Raymond	Verona	Non-Irr.	Overall
		Irr.	Irr.	Irr.	Average	Non-Irr.	Non-Irr.	Non-Irr.	Non-Irr.	Average	Average
		(clay)	(loam)	(clay)	(clay)	(clay)	(loam)	(loam)	(clay)	(clay)	(clay)
		bu/A	bu/A	bu/A	bu/A	bu/A	bu/A	bu/A	bu/A	bu/A	bu/A
Catalyst	CT5293E3	93.7	80.0	76.6	83.5	51.8	79.9	102.3	55.0	69.7	76.6
Delta Grow	52E30	86.0	59.5	71.8	72.4	52.2	66.4	81.8	47.5	60.5	66.5
Pioneer	P50Z95E	93.5	95.7	74.0	87.7	58.8	70.0	101.3	60.2	73.5	80.6
MEAN		91.1	78.4	74.1	81.2	54.3	72.1	95.1	54.3	67.9	74.5
CV		7.5	6.5	3.9		13.2	6.1	7.2	8.5		
R ²		52.0	95.0	82.0		73.0	88.0	83.0	76.0		
LSD		NS	11.6	NS		NS	11.0	15.6	10.4		
Error DF		4	4	4		4	4	4	4		

MAFES BLACK BELT BRANCH, BROOKSVILLE

Table 15. Non-Irrigated Maturity Group IV Early Xtend and XtendFlex Soybean Varieties at the MAFES Black Belt Branch, Brooksville.

Brand	Variety	Yield			Plant Height	Lodging Score
		2024	2-year	3-year		
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>in</i>	<i>1-5</i>
Gateway Seed	457XFS	64.0	75.4	-	40	1
Delta Grow	43F65STS	61.8	-	-	33	1
Great Heart	GT-4632XFS	58.9	-	-	36	1
Delta Grow	46XF54STS	58.7	73.7	-	37	1
Armor	46-F35S	58.3	-	-	37	1
Asgrow	AG44XF4	57.5	-	-	28	1
Armor	46-F15S	56.3	-	-	37	1
Progeny	P 4524XFS	56.1	-	-	28	1
Progeny	P 4623XF	55.6	67.0	-	30	1
Pioneer	P46A90LX	55.5	-	-	37	1
Integra	XF4634S	55.3	-	-	38	1
Pioneer	P41Z80BLX	55.2	-	-	37	1
Progeny	P 4691XFS	54.2	63.2	48.0	32	1
NK	NK46-B4XFS	53.9	65.9	-	33	1
Great Heart	GT-4460XF	53.4	-	-	33	1
Asgrow	AG46XF3	53.3	70.2	57.3	30	1
Revere	44-F44	53.3	-	-	32	1
NK	NK43-W1XFS	50.8	-	-	31	1
Great Heart	GT-4538XFS	50.5	63.2	-	39	1
Asgrow	AG45XF3	50.0	68.5	54.1	29	1
Innvictis	A4642XF	49.6	-	-	32	1
DONMARIO	DM46F54S	49.6	-	-	38	1
Innvictis	A4664XF	49.1	-	-	32	1
Dyna-Gro	S43XF85S	48.9	-	-	32	1
Gateway Seed	461XFS	48.3	59.7	-	32	1
Stine	46FD29	46.8	-	-	29	1
Progeny	P 4604XFS	46.6	59.5	44.2	33	1
Armor	45-F65	46.3	-	-	23	1
Asgrow	AG39XF3	45.2	55.7	-	23	1
Innvictis	A4503XF	44.8	-	-	29	1
Armor	45-F02	44.3	58.8	44.9	34	1
Asgrow	AG42XF4	42.1	-	-	29	1
MEAN		52.3				
CV		13.5				
R ²		48.0				
LSD		11.6				
Error DF		62				

MAFES BLACK BELT BRANCH, BROOKSVILLE

Table 16. Non-Irrigated Maturity Group IV Late Xtend and XtendFlex Soybean Varieties at the MAFES Black Belt Branch, Brooksville.

Brand	Variety	Yield			Plant Height	Lodging Score
		2024	2-year	3-year		
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>in</i>	<i>1-5</i>
Progeny	P 4824XF	74.4	-	-	32	1
Armor	48-F55S	73.2	-	-	37	1
Great Heart	GT-4791XF	66.4	-	-	39	1
Delta Grow	48XF70STS	66.2	72.9	56.0	36	1
Revere	49-F36	64.8	-	-	37	1
Integra	XF 4875S	64.5	-	-	39	1
Gateway Seed	487XFS	63.4	-	-	36	1
Gateway Seed	479XFS	62.8	-	-	38	1
Inn victis	A4924XF	62.5	-	-	32	1
Gateway Seed	473XFS	62.1	70.6	-	29	1
Revere	47-F77	61.8	-	-	39	1
USG	7495XFS	61.8	-	-	36	1
Dyna-Gro	S49XF43S	61.7	69.4	-	31	1
Progeny	P 4842XFS	61.3	-	-	39	1
NK Brand	NK49-N7XF	61.1	-	-	32	1
Integra	XF4914S	60.9	-	-	32	1
Progeny	P 4947XFS	59.8	75.3	-	35	1
Progeny	P 4724XFS	59.2	-	-	36	1
Delta Grow	48XF80RKN	58.9	-	-	30	1
Armor	48-F25S	58.6	-	-	30	1
Delta Grow	48XF33STS	58.6	62.9	48.1	35	1
NK Brand	NK49-C2XFS	57.3	69.0	52.6	28	1
Revere	48-F72	57.2	-	-	29	1
Progeny	P 4798XF	57.1	70.1	-	32	1
NK Brand	NK48-A8XFS	56.9	71.8	-	34	1
Progeny	P 4734XFS	56.0	-	-	32	1
Inn victis	A4814XF	55.2	-	-	29	1
Progeny	P 4806XFS	55.1	65.7	-	31	1
Inn victis	A4862XF	53.4	58.1	-	32	1
Dyna-Gro	S47XF23S	53.0	59.1	-	35	1
Progeny	P 4848XF	52.1	-	-	32	1
Delta Grow	49XF85/STS	52.0	60.7	-	31	1
Great Heart	GT-4762XF	51.9	65.6	53.4	31	1
Delta Grow	47XF90STS	51.5	-	-	38	1
Great Heart	GT-4756XF	50.3	61.5	48.5	29	1
Pioneer	P48Z70BLX	49.1	-	-	38	1
Revere	4826XFS	48.7	68.0	54.0	30	1
Dyna-Gro	S48XF35	48.6	-	-	29	1
DONMARIO	DM48F53	48.3	62.9	-	24	1
Asgrow	AG49XF4	47.6	60.5	-	33	1

MAFES BLACK BELT BRANCH, BROOKSVILLE

Table 16. Non-Irrigated Maturity Group IV Late Xtend and XtendFlex Soybean Varieties at the MAFES Black Belt Branch, Brooksville (continued).

Brand	Variety	Yield			Plant Height	Lodging Score
		2024	2-year	3-year		
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		
USG	7474XFS	45.6	-	-	28	1
Great Heart	GT-4867XF	45.1	51.6	-	30	1
MEAN		57.5				
CV		12.0				
R ²		60.0				
LSD		11.2				
Error DF		82				

Table 17. Non-Irrigated Maturity Group IV Enlist Soybean Varieties at the MAFES Black Belt Branch, Brooksville.

Brand	Variety	Yield			Plant Height	Lodging Score
		2024	2-year ¹	3-year ¹		
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		
Pioneer	P49Z02E	71.8	-	-	33	1
Pioneer	P47Z15BE	60.6	-	-	31	1
Great Heart	GT-4854ES	58.0	-	-	34	1
Pioneer	P43Z44SE	55.2	-	-	27	1
Pioneer	P45Z75E	54.9	-	-	32	1
Stine	48EE20	50.2	-	-	27	1
Pioneer	P40Z57E	50.0	-	-	27	1
Innvictis	B4904E	49.8	-	-	27	1
Delta Grow	47E70	47.5	-	-	28	1
Great Heart	GT-4563ES	47.3	-	-	29	1
Stine	46EG92	46.7	-	-	30	1
Pioneer	P38Z63E	39.9	-	-	23	1
MEAN		52.7				
CV		13.8				
R ²		72.0				
LSD		12.3				
Error DF		22				

¹No 2 or 3-year average

MAFES BLACK BELT BRANCH, BROOKSVILLE

Table 18. Non-irrigated Maturity Group V Early Xtend and XtendFlex Soybean Varieties at the MAFES Black Belt Branch, Brooksville.

Brand	Variety	Yield			Plant Height	Lodging Score
		2024	2-year	3-year		
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>in</i>	<i>1-5</i>
NK Brand	NK54-J9XFS	80.3	85.8	-	37	1
Revere	53-F84	71.5	-	-	36	1
NK Brand	NK56-Z6XFS	64.9	71.3	-	25	1
Innictis	A5284XF	63.6	-	-	30	1
NK Brand	NK52-V1XF	55.1	67.3	-	36	1
Dyna-Gro	S55XF95	54.3	-	-	30	1
Asgrow	AG53XF2	53.7	62.0	49.3	35	1
Progeny	P 5056XFS	51.2	65.8	52.7	32	1
Asgrow	AG56XF2	49.4	65.7	54.2	32	1
Delta Grow	55XF23	47.7	45.2	-	28	1
Great Heart	GT-5320XF	47.1	61.6	-	27	1
Delta Grow	52XF90STS	46.9	-	-	35	1
Pioneer	P53Z60LX	46.6	-	-	24	1
Great Heart	GT-5417X	45.2	58.9	-	32	1
Delta Grow	53XF95/STS	44.7	59.7	-	27	1
Dyna-Gro	S51XF84	42.5	-	-	31	1
Revere	51-F31	40.4	-	-	28	1
Innictis	A5124XF	36.3	-	-	30	1
MEAN		52.3				
CV		16.9				
R ²		72.0				
LSD		14.7				
Error DF		34				

MAFES BLACK BELT BRANCH, BROOKSVILLE

Table 19. Non-Irrigated Maturity Group V Late Xtend and XtendFlex Soybean Varieties at the MAFES Black Belt Branch, Brooksville.

Brand	Variety	Yield			Plant Height	Lodging Score
		2024	2-year	3-year ¹		
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		
Revere	5735XFS	72.6	-	-	25	1
Progeny	5751XF	67.2	86.0	-	25	1
Innvictis	A5813XF	64.7	84.3	-	22	1
Innvictis	A5994XF	58.0	-	-	26	1
MEAN		65.6				
CV		12.8				
R ²		44.0				
LSD		NS				
Error DF		6				

¹No 3-year average

Table 20. Non-Irrigated Maturity Group V Enlist Soybean Varieties at the MAFES Black Belt Branch, Brooksville.

Brand	Variety	Yield			Plant Height	Lodging Score
		2024	2-year ¹	3-year ¹		
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		
Pioneer	P50Z95E	58.8	-	-	35	1
Delta Grow	52E30	52.2	-	-	38	1
Catalyst	CT5293E3	51.8	-	-	34	1
MEAN		54.3				
CV		13.2				
R ²		73.0				
LSD		NS				
Error DF		4				

¹No 2 or 3-year average

BROOKSVILLE FARM, BROOKSVILLE

Table 21. Irrigated Maturity Group IV Early Xtend and XtendFlex Soybean Varieties at the Brooksville Farm, Brooksville.

Brand	Variety	2024	Yield		Plant	Lodging
		bu/A	2-year bu/A	3-year bu/A	Height in	Score 1-5
Pioneer	P46A90LX	102.7	-	-	37	1
Asgrow	AG45XF3	101.4	105.4	97.2	37	1
Armor	46-F15S	99.5	-	-	43	1
Progeny	P 4524XFS	99.4	-	-	40	1
Revere	44-F44	99.1	-	-	37	1
Armor	45-F02	99.0	101.6	93.9	36	1
Integra	XF4634S	98.4	-	-	37	1
Gateway Seed	457XFS	97.7	104.8	-	44	1
Great Heart	GT-4538XFS	97.4	105.5	-	42	1
Progeny	P 4623XF	97.4	98.5	-	32	1
Progeny	P 4604XFS	97.2	101.3	92.0	41	2
DONMARIO	DM46F54S	97.1	-	-	41	2
Innvictis	A4642XF	95.9	-	-	39	1
Delta Grow	46XF54STS	95.4	104.0	-	41	1
Asgrow	AG46XF3	94.9	101.4	92.7	37	1
Great Heart	GT-4632XFS	94.6	-	-	40	1
Innvictis	A4664XF	93.4	-	-	36	2
Asgrow	AG44XF4	92.8	-	-	33	1
Dyna-Gro	S43XF85S	92.7	-	-	37	1
Great Heart	GT-4460XF	92.0	-	-	39	1
Innvictis	A4503XF	91.4	-	-	33	1
Gateway Seed	461XFS	89.6	95.4	-	36	1
NK	NK43-W1XFS	89.2	-	-	33	1
Progeny	P 4691XFS	88.4	97.6	89.1	42	2
Pioneer	P41Z80BLX	88.4	-	-	38	2
Armor	46-F35S	88.0	-	-	42	3
NK	NK46-B4XFS	87.6	94.3	-	37	1
Stine	46FD29	85.1	-	-	37	1
Armor	45-F65	85.0	-	-	34	1
Asgrow	AG42XF4	84.5	-	-	43	1
Asgrow	AG39XF3	82.8	80.7	-	37	1
Delta Grow	43F65STS	81.5	-	-	40	2
MEAN		93.1				
CV		6.7				
R ²		56.0				
LSD		10.2				
Error DF		62				

BROOKSVILLE FARM, BROOKSVILLE

Table 22. Irrigated Maturity Group IV Late Xtend and XtendFlex Soybean Varieties at Brooksville Farm, Brooksville.

Brand	Variety	Yield			Plant	Lodging
		2024 <i>bu/A</i>	2-year <i>bu/A</i>	3-year <i>bu/A</i>	Height <i>in</i>	Score <i>1-5</i>
Revere	47-F77	113.1	-	-	42	1
Armor	48-F25S	103.2	-	-	42	1
Dyna-Gro	S48XF35	101.3	-	-	33	1
Asgrow	AG49XF4	101.2	101.7	-	38	1
NK Brand	NK48-A8XFS	100.4	104.5	-	39	2
Revere	49-F36	98.4	-	-	40	1
Dyna-Gro	S47XF23S	97.9	90.3	-	40	1
NK Brand	NK49-C2XFS	97.9	101.9	95.3	36	1
Gateway Seed	473XFS	97.7	99.5	-	40	1
Integra	XF 4875S	97.5	-	-	34	1
USG	7474XFS	97.4	-	-	31	1
Gateway Seed	479XFS	97.3	-	-	42	2
Great Heart	GT-4791XF	97.0	-	-	42	1
Gateway Seed	487XFS	97.0	-	-	45	2
Armor	48-F55S	96.4	-	-	39	2
Delta Grow	48XF70STS	96.2	97.5	87.1	41	4
Great Heart	GT-4867XF	95.8	89.1	-	37	1
Progeny	P 4947XFS	95.6	102.8	-	41	1
Progeny	P 4824XF	95.2	-	-	39	2
Great Heart	GT-4762XF	94.3	95.4	90.1	44	1
Revere	48-F72	93.6	-	-	47	1
Revere	4826XFS	93.5	97.7	90.1	41	1
Progeny	P 4842XFS	93.5	-	-	46	2
Progeny	P 4848XF	93.3	-	-	35	1
Progeny	P 4734XFS	92.3	-	-	36	2
Dyna-Gro	S49XF43S	92.0	97.7	-	44	2
Great Heart	GT-4756XF	92.0	92.4	87.3	37	1
Progeny	P 4806XFS	91.4	94.2	-	33	1
Delta Grow	48XF33STS	90.8	94.6	85.7	37	2
Innictis	A4924XF	90.5	-	-	34	1
Integra	XF4914S	90.0	-	-	39	1
Pioneer	P48Z70BLX	89.7	-	-	37	1
DONMARIO	DM48F53	89.7	90.8	-	31	1
Progeny	P 4798XF	89.0	94.8	-	38	1
Innictis	A4862XF	88.2	87.6	-	43	1
NK Brand	NK49-N7XF	87.4	-	-	35	1
Progeny	P 4724XFS	87.4	-	-	42	2
USG	7495XFS	85.7	-	-	42	1
Delta Grow	49XF85/STS	85.3	88.2	-	34	1
Innictis	A4814XF	85.1	-	-	33	1

BROOKSVILLE FARM, BROOKSVILLE

Table 22. Irrigated Maturity Group IV Late Xtend and XtendFlex Soybean Varieties at Brooksville Farm, Brooksville (continued).

Brand	Variety	2024 <i>bu/A</i>	Yield		Plant Height <i>in</i>	Lodging Score <i>1-5</i>
			2-year <i>bu/A</i>	3-year <i>bu/A</i>		
Delta Grow	48XF80RKN	82.2	-	-	40	1
Delta Grow	47XF90STS	78.4	-	-	41	1
MEAN		93.6				
CV		6.4				
R ²		61.0				
LSD		9.7				
Error DF		82				

Table 23. Irrigated Maturity Group IV Enlist Soybean Varieties at the Brooksville Farm, Brooksville.

Brand	Variety	2024 <i>bu/A</i>	Yield		Plant Height <i>in</i>	Lodging Score <i>1-5</i>
			2-year ¹ <i>bu/A</i>	3-year ¹ <i>bu/A</i>		
Pioneer	P45Z75E	98.7	-	-	34	1
Pioneer	P43Z44SE	94.1	-	-	31	1
Pioneer	P47Z15BE	91.3	-	-	37	1
Great Heart	GT-4854ES	91.0	-	-	36	1
Pioneer	P49Z02E	90.6	-	-	41	1
Stine	46EG92	87.7	-	-	35	1
Great Heart	GT-4563ES	85.8	-	-	35	1
Stine	48EE20	85.6	-	-	32	1
Delta Grow	47E70	85.4	-	-	36	2
Innvictis	B4904E	82.0	-	-	37	1
Pioneer	P40Z57E	76.6	-	-	29	1
Pioneer	P38Z63E	56.6	-	-	31	1
MEAN		85.4				
CV		9.6				
R ²		72.0				
LSD		13.9				
Error DF		22				

¹No 2 or 3-year average

BROOKSVILLE FARM, BROOKSVILLE

Table 24. Irrigated Maturity Group V Early Xtend and XtendFlex Soybean Varieties at the Brooksville Farm, Brooksville.

Brand	Variety	2024 <i>bu/A</i>	Yield		Plant Height <i>in.</i>	Lodging Score <i>1-5</i>
			2-year <i>bu/A</i>	3-year <i>bu/A</i>		
Innvictis	A5284XF	95.6	-	-	41	1
NK Brand	NK52-V1XF	95.2	99.3	-	41	1
Dyna-Gro	S51XF84	91.9	-	-	32	1
Dyna-Gro	S55XF95	90.9	-	-	31	1
Revere	53-F84	90.9	-	-	45	1
Revere	51-F31	90.6	-	-	38	1
Innvictis	A5124XF	89.7	-	-	39	1
Great Heart	GT-5320XF	89.1	95.4	-	32	1
Asgrow	AG53XF2	84.2	92.6	80.7	39	1
Pioneer	P53Z60LX	84.1	-	-	35	1
Great Heart	GT-5417X	82.9	93.2	-	39	1
NK Brand	NK54-J9XFS	82.7	92.1	-	42	1
Asgrow	AG56XF2	82.2	94.0	90.5	32	1
Delta Grow	53XF95/STS	79.8	90.8	-	30	1
NK Brand	NK56-Z6XFS	79.8	90.4	-	26	1
Delta Grow	55XF23	79.8	77.1	-	32	1
Progeny	P 5056XFS	76.4	89.4	86.1	40	1
Delta Grow	52XF90STS	75.1	-	-	42	1
MEAN		85.6				
CV		8.5				
R ²		52.0				
LSD		12.1				
Error DF		34				

Table 25. Irrigated Maturity Group V Late Xtend and XtendFlex Soybean Varieties at the Brooksville Farm.

Brand	Variety	2024 <i>bu/A</i>	Yield		Plant Height <i>in.</i>	Lodging Score <i>1-5</i>
			2-year <i>bu/A</i>	3-year ¹ <i>bu/A</i>		
Innvictis	A5994XF	83.7	-	-	40	1
Progeny	5751XF	67.0	68.6	-	30	1
Revere	5735XFS	64.2	-	-	26	1
Innvictis	A5813XF	57.3	65.6	-	30	1
MEAN		68.1				
CV		7.8				
R ²		86.0				
LSD		10.7				
Error DF		6				

¹No 3-year average

BROOKSVILLE FARM, BROOKSVILLE

Table 26. Irrigated Maturity Group V Enlist Soybean Varieties at the Brooksville Farm, Brooksville.

Brand	Variety	2024 <i>bu/A</i>	Yield		Plant Height <i>in.</i>	Lodging Score <i>1-5</i>
			2-year ¹ <i>bu/A</i>	3-year ¹ <i>bu/A</i>		
Catalyst	CT5293E3	93.7	-	-	37	1
Pioneer	P50Z95E	93.5	-	-	33	1
Delta Grow	52E30	86.0	-	-	40	2
MEAN		91.1				
CV		7.5				
R ²		52.0				
LSD		NS				
Error DF		4				

¹No 2 or 3-year average



DULANEY FARMS, CLARKSDALE

Table 27. Irrigated Maturity Group IV Early Xtend and XtendFlex Soybean Varieties at Dulaney Farms, Clarksdale.

Brand	Variety	2024 <i>bu/A</i>	Yield		Plant Height <i>in</i>	Lodging Score <i>1-5</i>
			2-year <i>bu/A</i>	3-year <i>bu/A</i>		
Delta Grow	43F65STS	99.0	-	-	32	1
Pioneer	P46A90LX	96.9	-	-	36	1
Great Heart	GT-4538XFS	96.8	94.0	-	36	1
Great Heart	GT-4632XFS	95.5	-	-	36	1
Great Heart	GT-4460XF	95.3	-	-	33	1
Progeny	P 4524XFS	94.8	-	-	36	1
Innvictis	A4664XF	94.6	-	-	31	1
Innvictis	A4642XF	93.5	-	-	38	1
Progeny	P 4691XFS	93.0	92.2	96.7	32	1
Delta Grow	46XF54STS	92.5	94.6	-	39	1
Armor	46-F15S	92.4	-	-	35	1
Asgrow	AG44XF4	91.8	-	-	24	1
Gateway Seed	461XFS	91.3	87.7	-	31	1
Progeny	P 4604XFS	88.9	90.3	94.0	33	1
Asgrow	AG42XF4	88.7	-	-	32	1
Asgrow	AG46XF3	88.5	89.6	93.5	31	1
Progeny	P 4623XF	88.4	93.2	-	26	1
Revere	44-F44	88.2	-	-	31	1
Stine	46FD29	88.1	-	-	26	1
Dyna-Gro	S43XF85S	87.5	-	-	35	1
NK	NK46-B4XFS	86.6	86.9	-	29	1
Integra	XF4634S	86.5	-	-	37	1
Innvictis	A4503XF	86.4	-	-	25	1
Pioneer	P41Z80BLX	86.1	-	-	26	1
Gateway Seed	457XFS	85.0	93.8	-	36	1
Armor	45-F65	84.9	-	-	24	1
Asgrow	AG45XF3	84.0	81.3	85.5	31	1
NK	NK43-W1XFS	83.5	-	-	27	1
Armor	45-F02	83.2	83.3	85.9	32	1
DONMARIO	DM46F54S	80.0	-	-	34	1
Asgrow	AG39XF3	72.8	71.3	-	26	1
MEAN		89.2				
CV		8.2				
R ²		65.0				
LSD		11.9				
Error DF		62				

DULANEY FARMS, CLARKSDALE

Table 28. Irrigated Maturity Group IV Late Xtend and XtendFlex Soybean Varieties at Dulaney Farms, Clarksdale.

Brand	Variety	2024 <i>bu/A</i>	Yield		Plant Height <i>in</i>	Lodging Score <i>1-5</i>
			2-year <i>bu/A</i>	3-year <i>bu/A</i>		
Great Heart	GT-4867XF	104.6	91.6	-	38	1
Innvictis	A4862XF	101.2	93.8	-	34	1
Revere	49-F36	98.5	-	-	37	1
Progeny	P 4842XFS	97.6	-	-	36	1
Revere	47-F77	97.3	-	-	39	1
Great Heart	GT-4791XF	95.6	-	-	37	1
Progeny	P 4806XFS	95.4	89.7	-	31	1
Armor	48-F55S	94.4	-	-	37	1
Progeny	P 4824XF	92.2	-	-	41	1
Integra	XF 4875S	92.2	-	-	36	1
Asgrow	AG49XF4	92.2	84.4	-	31	1
Gateway Seed	479XFS	91.0	-	-	38	1
Gateway Seed	487XFS	90.9	-	-	36	1
Dyna-Gro	S47XF23S	90.7	84.9	-	26	1
DONMARIO	DM48F53	90.6	86.1	-	27	1
Delta Grow	48XF70STS	90.3	89.3	90.8	35	1
Progeny	P 4724XFS	90.0	-	-	35	1
Revere	4826XFS	89.4	87.1	92.3	31	1
Progeny	P 4848XF	89.2	-	-	30	1
Innvictis	A4814XF	89.0	-	-	33	1
Great Heart	GT-4756XF	88.7	83.8	91.0	32	1
Great Heart	GT-4762XF	87.6	81.2	88.1	33	1
Progeny	P 4947XFS	87.1	90.2	-	34	1
Integra	XF4914S	86.9	-	-	33	1
Progeny	P 4798XF	86.4	86.2	-	34	1
Dyna-Gro	S48XF35	86.4	-	-	27	1
Progeny	P 4734XFS	86.1	-	-	32	1
Delta Grow	48XF80RKN	85.8	-	-	33	1
Pioneer	P48Z70BLX	85.6	-	-	36	1
Innvictis	A4924XF	85.5	-	-	29	1
Revere	48-F72	85.5	-	-	32	1
Delta Grow	48XF33STS	85.3	82.9	85.3	34	1
NK Brand	NK48-A8XFS	84.8	79.7	-	33	1
NK Brand	NK49-C2XFS	84.7	79.3	83.6	31	1
Dyna-Gro	S49XF43S	84.7	88.9	-	31	1
Gateway Seed	473XFS	84.6	85.0	-	34	1
NK Brand	NK49-N7XF	83.5	-	-	30	1
USG	7474XFS	81.2	-	-	33	1
USG	7495XFS	79.3	-	-	38	1
Delta Grow	49XF85/STS	74.5	73.0	-	27	1

DULANEY FARMS, CLARKSDALE

Table 28. Irrigated Maturity Group IV Late Xtend and XtendFlex Soybean Varieties at Dulaney Farms, Clarksdale (continued).

Brand	Variety	2024 <i>bu/A</i>	Yield		Plant Height <i>in</i>	Lodging Score <i>1-5</i>
			2-year <i>bu/A</i>	3-year <i>bu/A</i>		
Delta Grow	47XF90STS	72.4	-	-	41	1
MEAN		88.8				
CV		7.2				
R ²		72.0				
LSD		10.3				
Error DF		82				

Table 29. Irrigated Maturity Group V Early Xtend and XtendFlex Soybean Varieties at Dulaney Farms, Clarksdale.

Brand	Variety	2024 <i>bu/A</i>	Yield		Plant Height <i>in</i>	Lodging Score <i>1-5</i>
			2-year <i>bu/A</i>	3-year <i>bu/A</i>		
Asgrow	AG53XF2	83.3	83.1	87.6	33	1
Progeny	P 5056XFS	82.8	83.6	89.8	35	1
Dyna-Gro	S51XF84	82.6	-	-	29	1
Revere	51-F31	81.6	-	-	32	1
NK Brand	NK52-VIXF	79.3	81.5	-	35	1
Great Heart	GT-5320XF	78.8	75.7	-	30	1
Great Heart	GT-5417X	75.4	79.5	-	33	1
Delta Grow	52XF90STS	74.5	-	-	34	1
Pioneer	P53Z60LX	72.2	-	-	22	1
Delta Grow	53XF95/STS	71.8	78.0	-	31	1
Delta Grow	55XF23	68.8	67.1	-	31	1
Asgrow	AG56XF2	66.3	73.9	77.9	32	1
Dyna-Gro	S55XF95	60.9	-	-	30	1
NK Brand	NK56-Z6XFS	54.3	64.7	-	23	1
Revere	53-F84	52.1	-	-	47	1
NK Brand	NK54-J9XFS	45.7	63.2	-	54	2
MEAN		70.7				
CV		11.6				
R ²		81.0				
LSD		14.0				
Error DF		34				

DULANEY FARMS, CLARKSDALE

Table 30. Irrigated Maturity Group V Late Xtend and XtendFlex Soybean Varieties at Dulaney Farms, Clarksdale.

Brand	Variety	2024 <i>bu/A</i>	Yield		Plant Height <i>in</i>	Lodging Score <i>1-5</i>
			2-year <i>bu/A</i>	3-year ¹ <i>bu/A</i>		
Innvictis	A5994XF	48.4	-	-	27	1
Progeny	5751XF	43.5	51.2	-	31	1
Revere	5735XFS	35.0	-	-	32	1
Innvictis	A5813XF	31.0	47.4	-	23	1
MEAN		39.5				
CV		14.7				
R ²		85.0				
LSD		11.6				
Error DF		6				
¹ No 3-year average						

STEELE FARMS, LONGWOOD

Table 31. Irrigated Maturity Group IV Early Xtend and XtendFlex Soybean Varieties at Steele Farms, Longwood.

Brand	Variety	2024 <i>bu/A</i>	Yield		Plant Height <i>in</i>	Lodging Score <i>1-5</i>
			2-year <i>bu/A</i>	3-year ¹ <i>bu/A</i>		
Great Heart	GT-4538XFS	87.8	106.3	-	34	1
NK	NK43-WIXFS	85.7	-	-	30	1
Progeny	P 4524XFS	85.6	-	-	30	1
Revere	44-F44	85.0	-	-	37	1
Pioneer	P46A90LX	84.9	-	-	32	1
Asgrow	AG46XF3	84.9	99.2	-	33	1
Progeny	P 4691XFS	84.9	93.4	-	34	1
Gateway Seed	457XFS	84.0	103.1	-	35	1
Asgrow	AG39XF3	83.8	86.4	-	30	1
Progeny	P 4623XF	83.2	94.1	-	34	1
Innvictis	A4503XF	82.9	-	-	33	1
Asgrow	AG44XF4	82.3	-	-	27	1
Great Heart	GT-4460XF	82.0	-	-	32	1
Great Heart	GT-4632XFS	80.1	-	-	32	1
Innvictis	A4642XF	80.1	-	-	35	1
Integra	XF4634S	79.6	-	-	35	1
Pioneer	P41Z80BLX	79.4	-	-	33	1
Armor	46-F15S	79.3	-	-	35	1
NK	NK46-B4XFS	79.2	105.3	-	33	1
Progeny	P 4604XFS	78.3	92.2	-	35	1
Delta Grow	46XF54STS	77.6	95.4	-	35	1
Innvictis	A4664XF	76.8	-	-	32	1
Asgrow	AG45XF3	76.3	92.1	-	34	1
Stine	46FD29	75.7	-	-	32	1
Dyna-Gro	S43XF85S	74.9	-	-	33	1
Asgrow	AG42XF4	74.0	-	-	32	1
Gateway Seed	461XFS	72.7	103.5	-	31	1
DONMARIO	DM46F54S	72.5	-	-	36	1
Delta Grow	43F65STS	71.1	-	-	32	1
Armor	45-F65	68.0	-	-	26	1
Armor	46-F35S	66.5	-	-	35	1
Armor	45-F02	65.2	80.8	-	33	1
MEAN		78.9				
CV		10.2				
R ²		49.0				
LSD		NS				
Error DF		62				

¹No 3-year average

STEELE FARMS, LONGWOOD

Table 32. Irrigated Maturity Group IV Late Xtend and XtendFlex Soybean Varieties at Steele Farms, Longwood.

Brand	Variety	2024 <i>bu/A</i>	Yield		Plant Height <i>in</i>	Lodging Score <i>1-5</i>
			2-year <i>bu/A</i>	3-year ¹ <i>bu/A</i>		
Revere	49-F36	102.7	-	-	38	2
Progeny	P 4842XFS	98.4	-	-	40	2
Integra	XF 4875S	97.9	-	-	30	1
Innvictis	A4862XF	97.3	110.0	-	35	2
Great Heart	GT-4867XF	93.6	101.9	-	30	1
Progeny	P 4947XFS	93.0	106.3	-	32	2
Delta Grow	48XF70STS	91.1	103.5	-	30	2
USG	7495XFS	91.0	-	-	41	1
Great Heart	GT-4791XF	89.9	-	-	34	2
Dyna-Gro	S48XF35	88.9	-	-	30	1
Revere	4826XFS	88.8	106.4	-	34	1
Revere	47-F77	88.7	-	-	42	3
Gateway Seed	479XFS	87.9	-	-	32	2
NK Brand	NK49-N7XF	86.8	-	-	30	1
Revere	48-F72	86.4	-	-	33	1
Gateway Seed	487XFS	86.4	-	-	33	2
Delta Grow	48XF33STS	86.2	104.6	-	34	1
Gateway Seed	473XFS	85.9	99.6	-	35	2
Progeny	P 4798XF	85.1	93.1	-	35	2
Armor	48-F55S	84.6	-	-	35	1
Delta Grow	49XF85/STS	83.5	102.9	-	31	1
NK Brand	NK49-C2XFS	82.9	104.9	-	29	1
Progeny	P 4824XF	82.8	-	-	32	1
Dyna-Gro	S47XF23S	82.4	95.0	-	33	1
Innvictis	A4814XF	81.7	-	-	28	1
Dyna-Gro	S49XF43S	81.3	103.4	-	32	1
Innvictis	A4924XF	80.8	-	-	33	1
Delta Grow	47XF90STS	80.6	-	-	37	1
DONMARIO	DM48F53	80.6	101.1	-	31	1
Great Heart	GT-4762XF	80.4	103.6	-	35	2
Pioneer	P48Z70BLX	80.1	-	-	39	1
NK Brand	NK48-A8XFS	79.1	102.8	-	37	1
Integra	XF4914S	78.7	-	-	30	1
ARMOR	48-F25S	78.5	-	-	37	2
Asgrow	AG49XF4	77.5	93.9	-	27	1
Progeny	P 4848XF	77.1	-	-	33	1
USG	7474XFS	76.0	-	-	28	1
Great Heart	GT-4756XF	74.9	95.9	-	29	1
Progeny	P 4734XFS	74.3	-	-	35	3

STEELE FARMS, LONGWOOD

Table 32. Irrigated Maturity Group IV Late Xtend and XtendFlex Soybean Varieties at Steele Farms, Longwood (continued).

Brand	Variety	2024 <i>bu/A</i>	Yield		Plant Height <i>in</i>	Lodging Score <i>1-5</i>
			2-year <i>bu/A</i>	3-year ¹ <i>bu/A</i>		
Progeny	P 4806XFS	72.6	98.9	-	32	1
Delta Grow	48XF80RKN	71.4	-	-	27	1
Progeny	P 4724XFS	64.0	-	-	33	5
MEAN		84.1				
CV		9.1				
R ²		62.0				
LSD		12.3				
Error DF		82				

¹No 3-year average

Table 33. Irrigated Maturity Group V Early Xtend and XtendFlex Soybean Varieties at Steele Farms, Longwood.

Brand	Variety	2024 <i>bu/A</i>	Yield		Plant Height <i>in</i>	Lodging Score <i>1-5</i>
			2-year <i>bu/A</i>	3-year ¹ <i>bu/A</i>		
Pioneer	P53Z60LX	88.8	-	-	28	1
Revere	53-F84	87.1	-	-	42	2
Great Heart	GT-5417X	84.8	99.5	-	29	1
Innvictis	A5284XF	83.8	-	-	33	1
Asgrow	AG56XF2	83.1	100.1	-	32	1
Dyna-Gro	S55XF95	82.1	-	-	27	1
NK Brand	NK56-Z6XFS	79.2	85.8	-	23	1
Innvictis	A5124XF	78.8	-	-	29	1
Revere	51-F31	77.7	-	-	27	1
Delta Grow	52XF90STS	77.6	-	-	35	2
Asgrow	AG53XF2	76.7	90.1	-	36	1
NK Brand	NK54-J9XFS	76.1	87.8	-	40	1
NK Brand	NK52-V1XF	74.7	94.2	-	35	1
Progeny	P 5056XFS	74.4	87.6	-	33	2
Delta Grow	53XF95/STS	74.1	93.0	-	29	1
Delta Grow	55XF23	72.8	73.8	-	30	1
Dyna-Gro	S51XF84	69.2	-	-	31	1
Great Heart	GT-5320XF	68.5	87.3	-	28	1
MEAN		78.3				
CV		8.3				
R ²		55.0				
LSD		10.8				
Error DF		34				

¹No 3-year average

STEELE FARMS, LONGWOOD

Table 34. Irrigated Maturity Group V Late Xtend and XtendFlex Soybean Varieties at Steele Farms, Longwood.

Brand	Variety	2024 <i>bu/A</i>	Yield		Plant Height <i>in</i>	Lodging Score <i>1-5</i>
			2-year <i>bu/A</i>	3-year ¹ <i>bu/A</i>		
Innvictis	A5813XF	81.5	74.2	-	25	1
Innvictis	A5994XF	79.9	-	-	27	1
Revere	5735XFS	78.3	-	-	22	1
Progeny	5751XF	77.6	73.3	-	23	1
MEAN		79.3				
CV		11.9				
R ²		21.0				
LSD		NS				
Error DF		6				

¹No 3-year average



TODD WILLIAMS FARM, OLIVE BRANCH

Table 35. Non-Irrigated Maturity Group IV Early Xtend and XtendFlex Soybean Varieties at Todd Williams Farm, Olive Branch.

Brand	Variety	Yield			Plant	Lodging
		2024 <i>bu/A</i>	2-year <i>bu/A</i>	3-year <i>bu/A</i>	Height <i>in</i>	Score <i>1-5</i>
Armor	45-F02	80.6	73.7	82.5	38	1
Revere	44-F44	79.8	-	-	32	1
Innvictis	A4664XF	79.8	-	-	30	1
NK	NK43-W1XF5	79.1	-	-	32	1
Gateway Seed	461XFS	79.1	74.5	-	37	1
Progeny	P 4604XFS	79.1	75.0	80.6	37	1
Armor	45-F65	78.5	-	-	30	1
Asgrow	AG45XF3	78.3	69.7	77.8	34	1
Progeny	P 4524XFS	77.6	-	-	34	1
Asgrow	AG46XF3	77.4	74.2	80.1	32	1
NK	NK46-B4XF5	77.1	75.7	-	33	1
Asgrow	AG44XF4	76.8	-	-	30	1
Progeny	P 4623XF	76.7	74.3	-	33	1
Gateway Seed	457XFS	75.7	76.3	-	41	1
Asgrow	AG42XF4	75.1	-	-	37	1
Progeny	P 4691XFS	75.1	73.2	78.4	40	1
DONMARIO	DM46F54S	74.7	-	-	37	1
Great Heart	GT-4460XF	74.2	-	-	32	1
Stine	46FD29	74.0	-	-	33	1
Innvictis	A4642XF	71.8	-	-	35	1
Pioneer	P46A90LX	71.8	-	-	39	1
ARMOR	46-F15S	71.7	-	-	40	1
Great Heart	GT-4538XFS	71.5	75.6	-	34	1
Integra	XF4634S	69.7	-	-	37	1
Delta Grow	46XF54STS	69.5	77.9	-	38	1
Asgrow	AG39XF3	68.7	71.5	-	33	1
Delta Grow	43F65STS	68.5	-	-	35	1
Armor	46-F35S	67.9	-	-	38	1
Great Heart	GT-4632XFS	66.7	-	-	30	1
Dyna-Gro	S43XF85S	66.6	-	-	30	1
Pioneer	P41Z80BLX	66.3	-	-	36	1
Innvictis	A4503XF	64.4	-	-	32	1
MEAN		73.9				
CV		9.5				
R ²		42.0				
LSD		NS				
Error DF		62				

TODD WILLIAMS FARM, OLIVE BRANCH

Table 36. Non-Irrigated IV Late Xtend and XtendFlex Soybean Varieties at Todd Williams Farm, Olive Branch.

Brand	Variety	2024 <i>bu/A</i>	Yield		Plant Height <i>in</i>	Lodging Score <i>1-5</i>
			2-year <i>bu/A</i>	3-year <i>bu/A</i>		
USG	7495XFS	80.9	-	-	37	1
Integra	XF 4875S	79.0	-	-	35	1
Gateway Seed	487XFS	78.2	-	-	36	1
Dyna-Gro	S48XF35	76.8	-	-	33	1
Armor	48-F55S	75.3	-	-	33	1
Delta Grow	48XF70STS	75.0	73.1	77.2	35	1
Revere	49-F36	74.3	-	-	36	1
Armor	48-F25S	74.3	-	-	39	1
Asgrow	AG49XF4	72.3	77.6	-	32	1
Innvictis	A4814XF	71.8	-	-	27	1
Innvictis	A4862XF	70.7	72.3	-	33	1
Great Heart	GT-4791XF	69.9	-	-	36	2
Great Heart	GT-4867XF	69.4	71.9	-	29	2
DONMARIO	DM48F53	69.1	69.8	-	29	1
Integra	XF4914S	68.8	-	-	30	1
Dyna-Gro	S49XF43S	68.6	74.7	-	28	1
NK Brand	NK48-A8XFS	68.4	73.8	-	35	1
Innvictis	A4924XF	68.3	-	-	33	1
USG	7474XFS	68.0	-	-	30	1
Dyna-Gro	S47XF23S	67.4	69.2	-	34	1
Gateway Seed	479XFS	67.1	-	-	36	2
Progeny	P 4824XF	66.8	-	-	37	1
Progeny	P 4947XFS	66.7	74.4	-	35	1
Progeny	P 4806XFS	66.3	68.8	-	31	1
Pioneer	P48Z70BLX	66.1	-	-	42	1
Progeny	P 4734XFS	66.0	-	-	34	1
Revere	48-F72	65.8	-	-	29	1
NK Brand	NK49-N7XF	65.5	-	-	32	1
Delta Grow	48XF80RKN	65.5	-	-	29	1
Progeny	P 4842XFS	65.1	-	-	36	2
Revere	47-F77	64.7	-	-	35	1
Delta Grow	48XF33STS	64.2	62.4	69.9	37	1
Gateway Seed	473XFS	64.2	70.1	-	37	1
DELTA GROW	47XF90STS	63.5	-	-	36	1
Progeny	P 4848XF	63.1	-	-	33	1
Progeny	P 4798XF	62.9	68.0	-	34	1
Progeny	P 4724XFS	62.8	-	-	36	1
Revere	4826XFS	61.4	66.8	74.1	30	1
Delta Grow	49XF85/STS	60.2	67.2	-	28	1

TODD WILLIAMS FARM, OLIVE BRANCH

Table 36. Non-Irrigated IV Late Xtend and XtendFlex Soybean Varieties at Todd Williams Farm, Olive Branch (continued).

Brand	Variety	2024 <i>bu/A</i>	Yield		Plant Height <i>in</i>	Lodging Score <i>1-5</i>
			2-year <i>bu/A</i>	3-year <i>bu/A</i>		
Great Heart	GT-4756XF	60.0	63.8	73.0	38	1
Great Heart	GT-4762XF	59.4	65.3	71.6	36	1
NK Brand	NK49-C2XFS	57.4	67.9	74.3	31	1
MEAN		67.9				
CV		10.4				
R ²		55.0				
LSD		11.5				
Error DF		82				

Table 37. Non-Irrigated Maturity Group IV Enlist Soybean Varieties at Todd Williams Farm, Olive Branch.

Brand	Variety	2024 <i>bu/A</i>	Yield		Plant Height <i>in</i>	Lodging Score <i>1-5</i>
			2-year ¹ <i>bu/A</i>	3-year ¹ <i>bu/A</i>		
Pioneer	P47Z15BE	73.5	-	-	31	1
Pioneer	P49Z02E	73.2	-	-	31	1
Pioneer	P43Z44SE	71.5	-	-	26	1
Pioneer	P45Z75E	71.5	-	-	26	1
GREAT HEART	GT-4563ES	69.7	-	-	30	1
Stine	46EG92	67.3	-	-	27	1
Great Heart	GT-4854ES	65.1	-	-	32	1
Innvictis	B4904E	65.0	-	-	32	1
Stine	48EE20	57.9	-	-	26	1
Delta Grow	47E70	55.3	-	-	33	1
Pioneer	P40Z57E	50.3	-	-	25	1
Pioneer	P38Z63E	39.3	-	-	23	1
MEAN		63.3				
CV		10.0				
R ²		78.0				
LSD		11.0				
Error DF		22				

¹No 2 or 3-year average

TODD WILLIAMS FARM, OLIVE BRANCH

Table 38. Non-Irrigated Maturity Group V Early Xtend and XtendFlex Soybean Varieties at Todd Williams Farm, Olive Branch.

Brand	Variety	2024 <i>bu/A</i>	Yield		Plant Height <i>in</i>	Lodging Score <i>1-5</i>
			2-year <i>bu/A</i>	3-year <i>bu/A</i>		
Revere	53-F84	75.6	-	-	32	1
NK Brand	NK54-J9XFS	75.2	74.6	-	31	1
NK Brand	NK52-VIXF	72.2	72.5	-	34	1
Innvictis	A5284XF	71.7	-	-	34	1
Great Heart	GT-5417X	71.4	70.6	-	30	1
Asgrow	AG56XF2	69.6	71.5	77.2	37	1
Progeny	P 5056XFS	69.5	73.5	78.5	36	1
NK Brand	NK56-Z6XFS	68.7	69.6	-	23	1
Revere	51-F31	68.3	-	-	28	1
Dyna-Gro	S55XF95	68.3	-	-	30	1
Delta Grow	52XF90STS	65.4	-	-	35	2
Asgrow	AG53XF2	64.7	64.7	70.2	32	1
Dyna-Gro	S51XF84	64.4	-	-	29	1
Pioneer	P53Z60LX	64.2	-	-	29	1
Delta Grow	55XF23	63.0	67.1	-	29	1
Delta Grow	53XF95/STS	62.4	63.5	-	27	1
Great Heart	GT-5320XF	62.2	66.2	-	29	1
Innvictis	A5124XF	58.3	-	-	35	1
MEAN		67.5				
CV		8.4				
R ²		63.0				
LSD		9.3				
Error DF		34				

TODD WILLIAMS FARM, OLIVE BRANCH

Table 39. Non-Irrigated Maturity Group V Late Xtend and XtendFlex Soybean Varieties at Todd Williams Farm, Olive Branch.

Brand	Variety	2024 <i>bu/A</i>	Yield		Plant Height <i>in</i>	Lodging Score <i>1-5</i>
			2-year <i>bu/A</i>	3-year ¹ <i>bu/A</i>		
Progeny	5751XF	83.4	80.2	-	34	1
Innvictis	A5813XF	74.7	71.9	-	31	1
Revere	5735XFS	72.8	-	-	30	1
Innvictis	A5994XF	68.7	-	-	33	1
MEAN		74.9				
CV		8.5				
R ²		66.0				
LSD		NS				
Error DF		6				

¹No 3-year average

Table 40. Non-Irrigated Maturity Group V Enlist Soybean Varieties at Todd Williams Farm, Olive Branch.

Brand	Variety	2024 <i>bu/A</i>	Yield		Plant Height <i>in</i>	Lodging Score <i>1-5</i>
			2-year ¹ <i>bu/A</i>	3-year ¹ <i>bu/A</i>		
Catalyst	CT5293E3	79.9	-	-	31	1
Pioneer	P50Z95E	70.0	-	-	30	1
Delta Grow	52E30	66.4	-	-	33	1
MEAN		72.1				
CV		6.1				
R ²		88.0				
LSD		11.0				
Error DF		4				

¹No 2 or 3-year average

MAFES BROWN LOAM BRANCH, RAYMOND

Table 41. Non-Irrigated Maturity Group IV Early Xtend and XtendFlex Soybean Varieties at MAFES Brown Loam Branch, Raymond.

Brand	Variety	2024 <i>bu/A</i>	Yield		Plant Height <i>in</i>	Lodging Score <i>1-5</i>
			2-year <i>bu/A</i>	3-year <i>bu/A</i>		
Delta Grow	46XF54STS	77.8	55.8	-	30	1
Revere	44-F44	76.9	-	-	26	1
Gateway Seed	457XFS	76.3	60.6	-	37	1
Asgrow	AG46XF3	73.5	57.2	67.5	27	1
Innvictis	A4642XF	73.3	-	-	28	1
Progeny	P 4691XFS	69.6	50.1	54.3	32	1
Armor	46-F35S	68.2	-	-	26	1
Progeny	P 4623XF	66.8	56.1	-	23	1
Pioneer	P46A90LX	66.8	-	-	31	1
Gateway Seed	461XFS	66.8	51.6	-	27	1
Stine	46FD29	66.7	-	-	26	1
Integra	XF4634S	66.7	-	-	32	1
Innvictis	A4664XF	66.1	-	-	29	1
Great Heart	GT-4460XF	65.9	-	-	32	1
Asgrow	AG44XF4	65.6	-	-	19	1
Asgrow	AG45XF3	65.0	49.2	52.3	26	1
Delta Grow	43F65STS	64.4	-	-	28	1
Great Heart	GT-4632XFS	62.7	-	-	31	1
Progeny	P 4524XFS	62.3	-	-	28	1
NK	NK46-B4XFS	62.2	47.9	-	26	1
Armor	46-F15S	62.0	-	-	32	1
NK	NK43-W1XFS	61.7	-	-	23	1
Armor	45-F02	61.3	47.6	60.6	25	1
Great Heart	GT-4538XFS	60.7	47.9	-	28	1
DONMARIO	DM46F54S	59.1	-	-	28	1
Asgrow	AG39XF3	59.1	46.9	-	22	1
Dyna-Gro	S43XF85S	56.6	-	-	25	1
Progeny	P 4604XFS	56.4	45.6	57.1	28	1
Innvictis	A4503XF	56.1	-	-	27	1
Asgrow	AG42XF4	54.7	-	-	24	1
Pioneer	P41Z80BLX	51.5	-	-	28	1
Armor	45-F65	50.7	-	-	23	1
MEAN		64.2				
CV		14.4				
R ²		52.0				
LSD		15.0				
Error DF		62				

MAFES BROWN LOAM BRANCH, RAYMOND

Table 42. Non-Irrigated Maturity Group IV Late Xtend and XtendFlex Soybean Varieties at MAFES Brown Loam Branch, Raymond.

Brand	Variety	2024 <i>bu/A</i>	Yield		Plant Height <i>in</i>	Lodging Score <i>1-5</i>
			2-year <i>bu/A</i>	3-year <i>bu/A</i>		
Gateway Seed	487XFS	88.1	-	-	35	1
Revere	49-F36	87.4	-	-	27	1
Gateway Seed	479XFS	86.1	-	-	38	1
Integra	XF 4875S	85.7	-	-	30	1
NK Brand	NK48-A8XFS	84.7	56.2	-	33	1
Gateway Seed	473XFS	83.5	55.8	-	36	1
USG	7495XFS	83.1	-	-	35	1
Delta Grow	47XF90STS	82.2	-	-	36	1
Dyna-Gro	S49XF43S	81.8	58.3	-	26	1
Inn victis	A4862XF	81.6	60.7	-	30	1
Asgrow	AG49XF4	79.8	58.7	-	27	1
Inn victis	A4814XF	79.6	-	-	33	1
Armor	48-F55S	79.1	-	-	31	1
Armor	48-F25S	78.7	-	-	30	1
Delta Grow	48XF70STS	78.2	54.7	60.5	32	1
Revere	47-F77	78.0	-	-	27	1
Great Heart	GT-4791XF	78.0	-	-	29	1
Great Heart	GT-4762XF	77.6	54.7	67.3	32	1
Revere	48-F72	77.2	-	-	32	1
Progeny	P 4842XFS	76.4	-	-	32	1
NK Brand	NK49-N7XF	76.4	-	-	25	1
USG	7474XFS	75.7	-	-	21	1
Progeny	P 4798XF	75.4	51.3	-	26	1
Delta Grow	48XF33STS	75.3	59.2	68.6	26	1
NK Brand	NK49-C2XFS	74.1	52.6	61.4	29	1
Delta Grow	48XF80RKN	73.9	-	-	33	1
Great Heart	GT-4867XF	73.6	51.5	-	29	1
Dyna-Gro	S48XF35	73.5	-	-	28	1
DONMARIO	DM48F53	73.4	55.2	-	26	1
Inn victis	A4924XF	73.1	-	-	28	1
Progeny	P 4724XFS	72.7	-	-	32	1
Integra	XF4914S	72.1	-	-	28	1
Pioneer	P48Z7OBLX	71.4	-	-	29	1
Delta Grow	49XF85/STS	71.0	48.3	-	26	1
Progeny	P 4848XF	70.1	-	-	28	1
Progeny	P 4824XF	70.0	-	-	31	1
Revere	4826XFS	69.8	54.3	63.6	27	1
Progeny	P 4947XFS	69.7	55.1	-	29	1
Progeny	P 4734XFS	68.8	-	-	31	1

MAFES BROWN LOAM BRANCH, RAYMOND

Table 42. Non-Irrigated Maturity Group IV Late Xtend and XtendFlex Soybean Varieties at MAFES Brown Loam Branch, Raymond (continued).

Brand	Variety	2024 <i>bu/A</i>	Yield		Plant Height <i>in</i>	Lodging Score <i>1-5</i>
			2-year <i>bu/A</i>	3-year <i>bu/A</i>		
Dyna-Gro	S47XF23S	67.2	49.8	-	28	1
Great Heart	GT-4756XF	65.9	51.8	57.2	27	1
Progeny	P 4806XFS	64.4	49.3	-	30	1
MEAN		76.3				
CV		10.1				
R ²		55.0				
LSD		12.4				
Error DF		82				

Table 43. Non-Irrigated Maturity Group IV Enlist Soybean Varieties at the MAFES Brown Loam Branch, Raymond.

Brand	Variety	2024 <i>bu/A</i>	Yield		Plant Height <i>in</i>	Lodging Score <i>1-5</i>
			2-year ¹ <i>bu/A</i>	3-year ¹ <i>bu/A</i>		
Pioneer	P43Z44SE	86.6	-	-	32	1
Pioneer	P49Z02E	86.3	-	-	33	1
Stine	48EE20	86.1	-	-	30	1
Great Heart	GT-4854ES	82.7	-	-	33	1
Pioneer	P47Z15BE	82.2	-	-	30	1
Pioneer	P45Z75E	81.0	-	-	32	1
Innvictis	B4904E	80.4	-	-	31	1
Delta Grow	47E70	75.3	-	-	28	1
Great Heart	GT-4563ES	72.8	-	-	31	1
Stine	46EG92	68.6	-	-	30	1
Pioneer	P40Z57E	61.6	-	-	24	1
Pioneer	P38Z63E	44.0	-	-	28	1
MEAN		75.6				
CV		7.5				
R ²		88.0				
LSD		9.7				
Error DF		22				

¹No 2 or 3-year average

MAFES BROWN LOAM BRANCH, RAYMOND

Table 44. Non-Irrigated Maturity Group V Early Xtend and XtendFlex Soybean Varieties at the MAFES Brown Loam Branch, Raymond.

Brand	Variety	Yield			Plant Height	Lodging Score
		2024	2-year	3-year		
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>in</i>	<i>1-5</i>
NK Brand	NK54-J9XFS	84.8	58.0	-	41	1
Revere	53-F84	82.1	-	-	34	2
Revere	51-F31	80.6	-	-	32	1
NK Brand	NK56-Z6XFS	77.7	56.2	-	18	1
Asgrow	AG53XF2	74.8	57.4	62.6	30	1
Progeny	P 5056XFS	73.7	54.3	63.5	29	1
Great Heart	GT-5417X	72.4	54.2	-	28	1
Delta Grow	53XF95/STS	70.7	52.8	-	28	1
Delta Grow	52XF90STS	70.7	-	-	33	2
Dyna-Gro	S55XF95	69.9	-	-	25	1
Great Heart	GT-5320XF	68.9	47.6	-	27	1
Innvictis	A5284XF	68.2	-	-	32	1
Pioneer	P53Z60LX	67.6	-	-	24	1
Asgrow	AG56XF2	66.6	52.8	63.2	25	1
NK Brand	NK52-V1XF	65.3	48.2	-	28	1
Innvictis	A5124XF	65.1	-	-	32	1
Delta Grow	55XF23	64.8	40.2	-	29	1
Dyna-Gro	S51XF84	64.2	-	-	27	1
MEAN		71.6				
CV		12.8				
R ²		60.0				
LSD		NS				
Error DF		34				

MAFES BROWN LOAM BRANCH, RAYMOND

Table 45. Non-Irrigated Maturity Group V Late Xtend and XtendFlex Soybean Varieties at the MAFES Brown Loam Branch, Raymond.

Brand	Variety	2024 <i>bu/A</i>	Yield		Plant Height <i>in</i>	Lodging Score <i>1-5</i>
			2-year <i>bu/A</i>	3-year ¹ <i>bu/A</i>		
Progeny	5751XF	94.5	58.2	-	30	1
Revere	5735XFS	85.6	-	-	27	1
Innvictis	A5994XF	84.8	-	-	28	1
Innvictis	A5813XF	82.0	51.1	-	31	1
MEAN		86.7				
CV		12.2				
R ²		39.0				
LSD		NS				
Error DF		6				

¹No 3-year average

Table 46. Non-Irrigated Maturity Group V Enlist Soybean Varieties at the MAFES Brown Loam Branch, Raymond.

Brand	Variety	2024 <i>bu/A</i>	Yield		Plant Height <i>in</i>	Lodging Score <i>1-5</i>
			2-year ¹ <i>bu/A</i>	3-year ¹ <i>bu/A</i>		
Catalyst	CT5293E3	102.3	-	-	31	1
Pioneer	P50Z95E	101.3	-	-	30	1
Delta Grow	52E30	81.8	-	-	36	2
MEAN		95.1				
CV		7.2				
R ²		83.0				
LSD		15.6				
Error DF		4				

¹No 2 or 3-year average

MAFES DELTA BRANCH, STONEVILLE (clay)

Table 47. Irrigated Maturity Group IV Early Xtend and XtendFlex Soybean Varieties at the MAFES Delta Branch, Stoneville (clay).

Brand	Variety	Yield			Plant Height	Lodging Score
		2024	2-year	3-year		
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>in</i>	<i>1-5</i>
Progeny	P 4524XFS	98.5	-	-	38	1
Progeny	P 4691XFS	94.4	83.1	84.0	37	1
Great Heart	GT-4460XF	94.0	-	-	33	1
Great Heart	GT-4538XFS	93.4	82.2	-	40	1
Gateway Seed	457XFS	93.3	88.5	-	46	1
Asgrow	AG44XF4	91.9	-	-	31	1
Pioneer	P46A90LX	91.7	-	-	34	1
Progeny	P 4623XF	91.4	86.5	-	30	1
Armor	46-F15S	90.9	-	-	40	1
Revere	44-F44	90.5	-	-	35	1
Dyna-Gro	S43XF85S	90.3	-	-	37	1
Progeny	P 4604XFS	90.2	80.1	82.1	41	1
Gateway Seed	461XFS	89.5	78.1	-	34	1
Innvictis	A4664XF	89.4	-	-	29	1
Great Heart	GT-4632XFS	88.7	-	-	31	1
Asgrow	AG46XF3	88.4	83.0	85.0	30	1
Innvictis	A4642XF	87.7	-	-	35	1
Delta Grow	46XF54STS	87.7	83.9	-	43	1
NK	NK46-B4XFS	87.0	78.7	-	32	1
Integra	XF4634S	86.8	-	-	39	1
Pioneer	P41Z80BLX	85.7	-	-	33	1
Delta Grow	43F65STS	84.8	-	-	36	1
Stine	46FD29	84.8	-	-	30	1
NK	NK43-W1XFS	84.7	-	-	34	1
Asgrow	AG45XF3	83.0	76.6	79.1	34	1
Armor	45-F65	80.2	-	-	25	1
Armor	46-F35S	80.2	-	-	41	1
Innvictis	A4503XF	79.4	-	-	30	1
Asgrow	AG42XF4	79.1	-	-	33	1
Armor	45-F02	77.0	74.5	77.6	31	1
DONMARIO	DM46F54S	75.4	-	-	35	1
Asgrow	AG39XF3	74.7	67.1	-	28	1
MEAN		87.0				
CV		6.3				
R ²		65.0				
LSD		9.1				
Error DF		62				

MAFES DELTA BRANCH, STONEVILLE (clay)

Table 48. Irrigated Maturity Group IV Late Xtend and XtendFlex Soybean Varieties at MAFES Delta Branch, Stoneville (clay).

Brand	Variety	2024 <i>bu/A</i>	Yield		Plant Height <i>in</i>	Lodging Score <i>1-5</i>
			2-year <i>bu/A</i>	3-year <i>bu/A</i>		
Progeny	P 4947XFS	98.7	90.8	-	40	2
Great Heart	GT-4867XF	98.5	85.6	-	31	1
Progeny	P 4842XFS	98.2	-	-	44	2
Delta Grow	48XF70STS	98.2	86.8	83.8	35	3
Gateway Seed	479XFS	97.8	-	-	42	3
Revere	47-F77	97.2	-	-	45	2
Integra	XF 4875S	96.5	-	-	37	3
Delta Grow	48XF33STS	96.1	84.5	78.4	39	2
Revere	49-F36	95.2	-	-	43	3
Armor	48-F25S	95.1	-	-	30	1
Asgrow	AG49XF4	95.0	85.6	-	38	1
Innictis	A4862XF	94.7	84.9	-	31	1
Gateway Seed	487XFS	94.5	-	-	41	3
Dyna-Gro	S48XF35	94.1	-	-	34	1
Great Heart	GT-4762XF	93.9	81.3	80.4	29	1
Great Heart	GT-4791XF	93.7	-	-	40	3
Progeny	P 4824XF	92.8	-	-	42	1
Armor	48-F55S	92.5	-	-	41	1
USG	7495XFS	91.9	-	-	46	3
Progeny	P 4848XF	91.9	-	-	38	1
Great Heart	GT-4756XF	91.6	82.8	82.1	31	1
DONMARIO	DM48F53	91.5	82.8	-	31	1
Pioneer	P48Z7OBLX	90.9	-	-	40	1
Innictis	A4924XF	90.6	-	-	30	1
NK Brand	NK48-A8XFS	90.3	79.0	-	34	2
Progeny	P 4798XF	89.8	80.6	-	39	1
Innictis	A4814XF	89.6	-	-	34	1
NK Brand	NK49-C2XFS	89.5	84.1	83.5	41	1
USG	7474XFS	89.0	-	-	26	1
Revere	48-F72	88.9	-	-	34	1
Progeny	P 4734XFS	88.6	-	-	34	2
Progeny	P 4806XFS	88.4	83.1	-	33	1
Integra	XF4914S	87.8	-	-	33	1
REVERE	4826XFS	87.6	87.1	85.2	30	2
Dyna-Gro	S47XF23S	87.4	80.5	-	27	1
Dyna-Gro	S49XF43S	86.9	83.9	-	36	1
Progeny	P 4724XFS	86.4	-	-	31	4
Gateway Seed	473XFS	85.2	78.8	-	35	1
Delta Grow	48XF80RKN	84.9	-	-	36	1

MAFES DELTA BRANCH, STONEVILLE (clay)

Table 48. Irrigated Maturity Group IV Late Xtend and XtendFlex Soybean Varieties at MAFES Delta Branch, Stoneville (clay) (continued).

Brand	Variety	2024 <i>bu/A</i>	Yield		Plant Height <i>in</i>	Lodging Score <i>1-5</i>
			2-year <i>bu/A</i>	3-year <i>bu/A</i>		
NK Brand	NK49-N7XF	83.7	-	-	31	1
Delta Grow	47XF90STS	79.3	-	-	41	1
Delta Grow	49XF85/STS	77.8	75.9	-	30	1
MEAN		91.2				
CV		5.3				
R ²		63.0				
LSD		7.9				
Error DF		82				

Table 49. Irrigated Maturity Group IV Enlist Soybean Varieties at the MAFES Delta Branch, Stoneville (clay).

Brand	Variety	2024 <i>bu/A</i>	Yield		Plant Height <i>in</i>	Lodging Score <i>1-5</i>
			2-year ¹ <i>bu/A</i>	3-year ¹ <i>bu/A</i>		
Pioneer	P45Z75E	80.1	-	-	26	1
Pioneer	P43Z44SE	79.3	-	-	24	1
Innvictis	B4904E	78.7	-	-	26	1
Pioneer	P47Z15BE	78.5	-	-	30	1
Great Heart	GT-4854ES	76.8	-	-	34	1
Stine	46EG92	76.6	-	-	32	1
Great Heart	GT-4563ES	74.8	-	-	31	1
Stine	48EE20	74.6	-	-	26	1
Delta Grow	47E70	73.3	-	-	26	1
Pioneer	P49Z02E	72.5	-	-	31	1
Pioneer	P40Z57E	64.7	-	-	24	1
Pioneer	P38Z63E	54.8	-	-	23	1
MEAN		73.7				
CV		6.9				
R ²		75.0				
LSD		8.6				
Error DF		22				

¹No 2 or 3-year average

MAFES DELTA BRANCH, STONEVILLE (clay)

Table 50. Irrigated Maturity Group V Early Xtend and XtendFlex Soybean Varieties at the MAFES Delta Branch, Stoneville (clay).

Brand	Variety	Yield			Plant Height	Lodging Score
		2024	2-year	3-year		
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>in</i>	<i>1-5</i>
Great Heart	GT-5417X	93.1	85.7	-	41	2
Progeny	P 5056XFS	91.5	85.5	83.3	37	1
Asgrow	AG56XF2	91.3	77.9	77.3	37	1
Asgrow	AG53XF2	90.6	75.6	74.1	33	1
Revere	51-F31	89.6	-	-	44	1
Inn victis	A5284XF	89.2	-	-	38	2
NK Brand	NK52-V1XF	87.3	80.1	-	43	1
Dyna-Gro	S55XF95	86.1	-	-	41	1
Inn victis	A5124XF	86.1	-	-	37	1
Delta Grow	53XF95/STS	85.1	79.7	-	37	1
Delta Grow	52XF90STS	84.3	-	-	37	1
Dyna-Gro	S51XF84	83.9	-	-	40	1
Pioneer	P53Z60LX	83.2	-	-	36	2
Delta Grow	55XF23	83.1	64.1	-	37	1
NK Brand	NK56-Z6XFS	81.5	69.8	-	33	1
Great Heart	GT-5320XF	81.3	75.9	-	42	2
NK Brand	NK54-J9XFS	81.3	72.2	-	41	1
Revere	53-F84	72.8	-	-	32	1
MEAN		85.6				
CV		5.2				
R ²		65.0				
LSD		7.3				
Error DF		34				

MAFES DELTA BRANCH, STONEVILLE (clay)

Table 51. Irrigated Maturity Group V Late Xtend and XtendFlex Soybean Varieties at the MAFES Delta Branch, Stoneville (clay).

Brand	Variety	2024 <i>bu/A</i>	Yield		Plant Height <i>in</i>	Lodging Score <i>1-5</i>
			2-year <i>bu/A</i>	3-year ¹ <i>bu/A</i>		
Innvictis	A5994XF	86.7	-	-	26	1
Revere	5735XFS	75.4	-	-	27	1
Progeny	5751XF	72.3	62.3	-	20	1
Innvictis	A5813XF	62.8	53.7	-	24	1
MEAN		74.3				
CV		2.2				
R ²		98.0				
LSD		3.2				
Error DF		6				

¹No 3-year average

Table 52. Irrigated Maturity Group V Enlist Soybean Varieties at the MAFES Delta Branch, Stoneville (clay).

Brand	Variety	2024 <i>bu/A</i>	Yield		Plant Height <i>in</i>	Lodging Score <i>1-5</i>
			2-year ¹ <i>bu/A</i>	3-year ¹ <i>bu/A</i>		
Catalyst	CT5293E3	76.6	-	-	42	3
Pioneer	P50Z95E	74.0	-	-	37	1
Delta Grow	52E30	71.8	-	-	34	1
MEAN		74.1				
CV		3.9				
R ²		82.0				
LSD		NS				
Error DF		4				

¹No 2 or 3-year average

MAFES DELTA BRANCH, STONEVILLE (loam)

Table 53. Non-Irrigated Maturity Group IV Early Xtend and XtendFlex Soybean Varieties at the MAFES Delta Branch, Stoneville (loam).

Brand	Variety	Yield			Plant Height	Lodging Score
		2024	2-year	3-year		
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>in</i>	<i>1-5</i>
Progeny	P 4604XFS	69.4	69.1	80.4	44	1
Asgrow	AG39XF3	68.8	70.3	-	30	1
Asgrow	AG46XF3	67.4	70.3	81.5	27	1
Asgrow	AG42XF4	64.6	-	-	32	1
Armor	45-F65	63.8	-	-	25	1
Pioneer	P46A90LX	63.2	-	-	37	1
Delta Grow	43F65STS	62.8	-	-	35	1
Revere	44-F44	62.5	-	-	35	1
Asgrow	AG45XF3	62.4	64.8	76.0	36	1
Stine	46FD29	62.4	-	-	29	1
Pioneer	P41Z80BLX	62.3	-	-	39	1
Asgrow	AG44XF4	61.8	-	-	26	1
Innvictis	A4664XF	61.0	-	-	36	1
Progeny	P 4691XFS	60.4	71.5	81.1	34	1
Progeny	P 4524XFS	59.9	-	-	32	1
Delta Grow	46XF54STS	59.8	64.5	-	33	1
DONMARIO	DM46F54S	59.3	-	-	40	1
Progeny	P 4623XF	58.8	62.6	-	35	1
Great Heart	GT-4632XFS	58.8	-	-	36	1
Gateway Seed	457XFS	58.7	66.8	-	40	1
NK	NK46-B4XFS	58.4	69.6	-	34	1
Armor	46-F15S	58.0	-	-	30	1
Gateway Seed	461XFS	57.5	64.9	-	36	1
Great Heart	GT-4460XF	55.1	-	-	38	1
Innvictis	A4642XF	53.4	-	-	32	1
Great Heart	GT-4538XFS	53.4	64.9	-	45	1
NK	NK43-W1XFS	52.4	-	-	39	1
Innvictis	A4503XF	51.8	-	-	31	1
Dyna-Gro	S43XF85S	51.2	-	-	33	1
Armor	46-F35S	49.1	-	-	35	1
Integra	XF4634S	46.2	-	-	42	1
Armor	45-F02	45.2	55.4	69.8	41	1
MEAN		58.8				
CV		18.6				
R ²		36.0				
LSD		NS				
Error DF		62				

MAFES DELTA BRANCH, STONEVILLE (loam)

Table 54. Non-Irrigated Maturity Group IV Late Xtend and XtendFlex Soybean Varieties at the MAFES Delta Branch, Stoneville (loam).

Brand	Variety	Yield			Plant Height	Lodging Score
		2024	2-year	3-year		
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>in</i>	<i>1-5</i>
Delta Grow	48XF33STS	72.1	68.9	74.6	35	1
Delta Grow	48XF70STS	71.0	70.3	73.9	43	1
Progeny	P 4734XFS	62.8	-	-	36	1
Progeny	P 4947XFS	61.6	73.1	-	41	1
Revere	47-F77	60.8	-	-	37	1
Progeny	P 4842XFS	60.4	-	-	41	1
Progeny	P 4724XFS	60.0	-	-	42	1
Revere	49-F36	59.5	-	-	45	1
Gateway Seed	473XFS	58.6	57.2	-	40	1
Asgrow	AG49XF4	57.4	63.0	-	38	1
Armor	48-F55S	57.3	-	-	39	1
Gateway Seed	487XFS	57.2	-	-	42	1
NK Brand	NK49-C2XFS	56.8	65.8	72.9	33	1
Progeny	P 4806XFS	56.3	69.5	-	32	1
NK Brand	NK48-A8XFS	56.1	64.5	-	35	1
USG	7495XFS	56.0	-	-	42	1
Gateway Seed	479XFS	55.6	-	-	35	1
Dyna-Gro	S49XF43S	55.5	59.1	-	31	1
Integra	XF 4875S	55.5	-	-	40	1
Innvictis	A4862XF	55.3	64.5	-	37	1
Revere	48-F72	53.9	-	-	37	1
Innvictis	A4814XF	53.4	-	-	29	1
Pioneer	P48Z7OBLX	53.2	-	-	44	1
Great Heart	GT-4791XF	52.7	-	-	39	1
USG	7474XFS	51.8	-	-	33	1
DONMARIO	DM48F53	51.7	61.9	-	32	1
Great Heart	GT-4867XF	51.5	59.9	-	38	1
Progeny	P 4798XF	50.9	58.9	-	36	1
Dyna-Gro	S47XF23S	50.2	62.0	-	32	1
Dyna-Gro	S48XF35	49.9	-	-	35	1
Delta Grow	48XF80RKN	49.1	-	-	37	1
NK Brand	NK49-N7XF	48.3	-	-	35	1
Innvictis	A4924XF	47.9	-	-	33	1
Revere	4826XFS	46.2	58.6	65.4	33	1
Armor	48-F25S	46.1	-	-	38	1
Progeny	P 4824XF	46.0	-	-	41	1
Great Heart	GT-4762XF	44.6	57.7	65.2	33	1
Progeny	P 4848XF	44.4	-	-	35	1
Great Heart	GT-4756XF	42.9	50.1	63.5	29	1
Integra	XF4914S	42.5	-	-	30	1

MAFES DELTA BRANCH, STONEVILLE (loam)

Table 54. Non-Irrigated Maturity Group IV Late Xtend and XtendFlex Soybean Varieties at the MAFES Delta Branch, Stoneville (loam) (continued).

Brand	Variety	2024 <i>bu/A</i>	Yield		Plant Height <i>in</i>	Lodging Score <i>1-5</i>
			2-year <i>bu/A</i>	3-year <i>bu/A</i>		
Delta Grow	49XF85/STS	42.5	51.1	-	33	1
Delta Grow	47XF90STS	42.1	-	-	37	1
MEAN		53.5				
CV		18.0				
R ²		44.0				
LSD		15.9				
Error DF		82				

Table 55. Non-Irrigated Maturity Group IV Enlist Soybean Varieties at the MAFES Delta Branch, Stoneville (loam).

Brand	Variety	2024 <i>bu/A</i>	Yield		Plant Height <i>in</i>	Lodging Score <i>1-5</i>
			2-year ¹ <i>bu/A</i>	3-year ¹ <i>bu/A</i>		
Pioneer	P43Z44SE	51.6	-	-	23	1
Pioneer	P45Z75E	47.5	-	-	23	1
Innvictis	B4904E	44.9	-	-	25	1
Stine	48EE20	42.6	-	-	28	1
Pioneer	P47Z15BE	41.9	-	-	30	1
Great Heart	GT-4854ES	41.9	-	-	26	1
Pioneer	P38Z63E	38.4	-	-	26	1
Stine	46EG92	36.4	-	-	31	1
Great Heart	GT-4563ES	36.2	-	-	27	1
Pioneer	P49Z02E	34.8	-	-	28	1
Delta Grow	47E70	33.5	-	-	28	1
Pioneer	P40Z57E	31.8	-	-	27	1
MEAN		40.1				
CV		17.0				
R ²		61.0				
LSD		11.7				
Error DF		22				

¹No 2 or 3-year average

MAFES DELTA BRANCH, STONEVILLE (loam)

Table 56. Irrigated Maturity Group IV Early Xtend and XtendFlex Soybean Varieties at the MAFES Delta Branch, Stoneville (loam).

Brand	Variety	Yield			Plant Height	Lodging Score
		2024	2-year	3-year		
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>in</i>	<i>1-5</i>
Asgrow	AG45XF3	100.0	88.2	87.5	44	1
Innvictis	A4642XF	98.0	-	-	40	1
Great Heart	GT-4632XFS	97.9	-	-	34	1
Asgrow	AG44XF4	97.3	-	-	32	1
NK	NK43-W1XFS	96.7	-	-	30	1
Progeny	P 4691XFS	96.1	85.5	84.5	41	1
Gateway Seed	457XFS	95.8	84.9	-	44	1
Armor	46-F15S	95.2	-	-	46	2
Dyna-Gro	S43XF85S	94.8	-	-	32	1
Delta Grow	46XF54STS	93.6	84.4	-	45	2
Progeny	P 4623XF	93.5	83.8	-	37	1
Innvictis	A4503XF	93.2	-	-	36	1
Pioneer	P46A90LX	92.9	-	-	41	1
Progeny	P 4524XFS	91.9	-	-	38	1
Great Heart	GT-4460XF	91.3	-	-	30	1
Integra	XF4634S	91.1	-	-	39	1
Great Heart	GT-4538XFS	90.8	81.8	-	41	2
Gateway Seed	461XFS	90.7	81.4	-	37	1
NK	NK46-B4XFS	90.7	84.1	-	35	1
Asgrow	AG46XF3	90.2	85.8	84.6	39	1
Innvictis	A4664XF	89.7	-	-	32	2
Revere	44-F44	88.9	-	-	35	1
Progeny	P 4604XFS	88.9	80.3	79.5	40	2
Armor	45-F65	88.7	-	-	32	1
Stine	46FD29	86.8	-	-	34	1
Armor	45-F02	86.8	80.1	83.4	37	1
Delta Grow	43F65STS	85.9	-	-	41	4
Asgrow	AG42XF4	85.7	-	-	39	1
Pioneer	P41Z80BLX	85.7	-	-	35	1
DONMARIO	DM46F54S	81.2	-	-	40	1
Armor	46-F35S	77.1	-	-	41	2
Asgrow	AG39XF3	68.2	69.9	-	35	2
MEAN		90.5				
CV		10.3				
R ²		48.0				
LSD		15.1				
Error DF		62				

MAFES DELTA BRANCH, STONEVILLE (loam)

Table 57. Irrigated Maturity Group IV Late Xtend and XtendFlex Soybean Varieties at MAFES Delta Branch, Stoneville (loam).

Brand	Variety	2024 <i>bu/A</i>	Yield		Plant Height <i>in</i>	Lodging Score <i>1-5</i>
			2-year <i>bu/A</i>	3-year <i>bu/A</i>		
Innvictis	A4814XF	110.4	-	-	46	2
Great Heart	GT-4867XF	106.9	91.9	-	42	1
NK Brand	NK49-C2XFS	106.8	94.7	90.5	42	1
Innvictis	A4862XF	106.8	93.9	-	43	1
Dyna-Gro	S49XF43S	103.3	91.9	-	41	2
Great Heart	GT-4791XF	102.6	-	-	50	2
Progeny	P 4824XF	102.4	-	-	45	1
Integra	XF 4875S	101.0	-	-	49	2
Progeny	P 4848XF	100.7	-	-	42	1
Progeny	P 4734XFS	100.3	-	-	37	1
Gateway Seed	479XFS	100.1	-	-	44	1
Dyna-Gro	S48XF35	99.7	-	-	39	1
DONMARIO	DM48F53	99.7	91.0	-	40	1
Pioneer	P48Z70BLX	99.6	-	-	48	2
Integra	XF4914S	98.5	-	-	37	2
Progeny	P 4842XFS	98.0	-	-	50	2
Revere	47-F77	97.6	-	-	41	1
Gateway Seed	487XFS	97.6	-	-	43	2
Great Heart	GT-4762XF	97.2	84.6	84.0	37	1
NK Brand	NK49-N7XF	96.9	-	-	39	1
Asgrow	AG49XF4	96.3	89.3	-	35	1
Great Heart	GT-4756XF	96.2	85.1	84.6	38	2
Progeny	P 4806XFS	96.0	87.7	-	41	1
Delta Grow	48XF80RKN	96.0	-	-	42	2
Armor	48-F25S	95.7	-	-	36	1
Progeny	P 4947XFS	94.7	87.9	-	50	2
Revere	48-F72	94.5	-	-	42	1
Progeny	P 4798XF	93.8	80.5	-	42	2
Innvictis	A4924XF	93.5	-	-	34	1
Gateway Seed	473XFS	93.2	81.7	-	41	1
Delta Grow	48XF33STS	92.8	80.3	77.2	38	2
Dyna-Gro	S47XF23S	92.0	80.0	-	32	1
Delta Grow	49XF85/STS	91.1	84.1	-	37	1
NK Brand	NK48-A8XFS	91.0	80.6	-	34	1
USG	7474XFS	90.8	-	-	35	1
Delta Grow	47XF90STS	89.9	-	-	47	3
Revere	4826XFS	89.1	81.2	80.0	45	1
Armor	48-F55S	87.8	-	-	48	1
Progeny	P 4724XFS	86.1	-	-	46	5
Revere	49-F36	85.6	-	-	45	2

MAFES DELTA BRANCH, STONEVILLE (loam)

Table 57. Irrigated Maturity Group IV Late Xtend and XtendFlex Soybean Varieties at MAFES Delta Branch, Stoneville (loam) (continued).

Brand	Variety	2024 <i>bu/A</i>	Yield		Plant Height <i>in</i>	Lodging Score <i>1-5</i>
			2-year <i>bu/A</i>	3-year <i>bu/A</i>		
USG	7495XFS	83.8	-	-	49	3
Delta Grow	48XF70STS	83.6	82.2	79.0	49	2
MEAN		96.2				
CV		9.8				
R ²		42.0				
LSD		NS				
Error DF		82				

Table 58. Irrigated Maturity Group IV Enlist Soybean Varieties at the MAFES Delta Branch, Stoneville (loam).

Brand	Variety	2024 <i>bu/A</i>	Yield		Plant Height <i>in</i>	Lodging Score <i>1-5</i>
			2-year ¹ <i>bu/A</i>	3-year ¹ <i>bu/A</i>		
Pioneer	P49Z02E	106.8	-	-	41	1
Innvictis	B4904E	104.8	-	-	38	1
Pioneer	P43Z44SE	101.0	-	-	36	1
Stine	48EE20	100.1	-	-	35	1
Pioneer	P45Z75E	99.6	-	-	37	1
Pioneer	P47Z15BE	98.0	-	-	39	4
Great Heart	GT-4854ES	97.3	-	-	42	2
Stine	46EG92	93.3	-	-	37	1
Pioneer	P38Z63E	87.5	-	-	35	1
Great Heart	GT-4563ES	86.0	-	-	40	3
Pioneer	P40Z57E	85.8	-	-	34	1
Delta Grow	47E70	82.0	-	-	40	2
MEAN		95.2				
CV		7.4				
R ²		68.0				
LSD		12.1				
Error DF		22				

¹No 2 or 3-year average

MAFES DELTA BRANCH, STONEVILLE (loam)

Table 59. Irrigated Maturity Group V Early Xtend and XtendFlex Soybean Varieties at the MAFES Delta Branch, Stoneville (loam).

Brand	Variety	Yield			Plant Height	Lodging Score
		2024	2-year	3-year		
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>in</i>	<i>1-5</i>
Great Heart	GT-5417X	98.6	89.6	-	43	1
Innvictis	A5284XF	96.5	-	-	48	1
NK Brand	NK52-V1XF	96.3	86.7	-	44	1
Dyna-Gro	S51XF84	95.1	-	-	36	1
Innvictis	A5124XF	93.4	-	-	42	1
Great Heart	GT-5320XF	92.3	81.9	-	38	1
Delta Grow	53XF95/STS	92.1	83.7	-	37	1
Asgrow	AG56XF2	91.8	84.4	83.9	31	1
Pioneer	P53Z60LX	89.2	-	-	26	1
Delta Grow	55XF23	89.1	70.3	-	38	1
Dyna-Gro	S55XF95	89.0	-	-	26	1
Progeny	P 5056XFS	88.8	82.5	81.3	52	1
Revere	51-F31	87.8	-	-	42	1
Asgrow	AG53XF2	85.5	80.2	79.2	43	1
NK Brand	NK56-Z6XFS	84.8	71.2	-	24	1
NK Brand	NK54-J9XFS	83.7	71.3	-	50	1
Delta Grow	52XF90STS	81.2	-	-	48	1
Revere	53-F84	77.1	-	-	46	1
MEAN		89.6				
CV		6.2				
R ²		64.0				
LSD		9.1				
Error DF		34				

MAFES DELTA BRANCH, STONEVILLE (loam)

Table 60. Irrigated Maturity Group V Late Xtend and XtendFlex Soybean Varieties at the MAFES Delta Branch, Stoneville (loam).

Brand	Variety	2024 <i>bu/A</i>	Yield		Plant Height <i>in</i>	Lodging Score <i>1-5</i>
			2-year <i>bu/A</i>	3-year ¹ <i>bu/A</i>		
Innvictis	A5994XF	96.7	-	-	34	1
Revere	5735XFS	79.3	-	-	23	1
Progeny	5751XF	77.9	66.6	-	24	1
Innvictis	A5813XF	74.7	65.4	-	25	1
MEAN		82.1				
CV		3.9				
R ²		93.0				
LSD		6.4				
Error DF		6				

¹No 3-year average

Table 61. Irrigated Maturity Group V Enlist Soybean Varieties at the MAFES Delta Branch, Stoneville (loam).

Brand	Variety	2024 <i>bu/A</i>	Yield		Plant Height <i>in</i>	Lodging Score <i>1-5</i>
			2-year ¹ <i>bu/A</i>	3-year ¹ <i>bu/A</i>		
Pioneer	P50Z95E	95.7	-	-	41	2
Catalyst	CT5293E3	80.0	-	-	46	4
Delta Grow	52E30	59.5	-	-	39	4
MEAN		78.4				
CV		6.5				
R ²		95.0				
LSD		11.6				
Error DF		4				

¹No 2 or 3-year average

RAY HARDY, JR. FARM, TIPPO

Table 62. Non-Irrigated Maturity Group IV Early Xtend and XtendFlex Soybean Varieties at Ray Hardy Jr. Farm, Tippo.

Brand	Variety	2024 <i>bu/A</i>	Yield		Plant Height <i>in</i>	Lodging Score <i>1-5</i>
			2-year <i>bu/A</i>	3-year <i>bu/A</i>		
Armor	46-F15S	58.9	-	-	30	1
Gateway Seed	457XFS	58.6	49.2	-	29	1
Great Heart	GT-4538XFS	56.6	47.4	-	27	1
Integra	XF4634S	56.4	-	-	29	1
Progeny	P 4604XFS	55.1	45.5	45.7	27	1
Pioneer	P46A90LX	52.2	-	-	26	1
Delta Grow	46XF54STS	51.9	45.7	-	29	1
Progeny	P 4623XF	51.1	44.7	-	25	1
Progeny	P 4691XFS	50.9	41.5	41.0	29	1
Armor	45-F02	49.7	41.5	42.6	27	1
Innvictis	A4503XF	49.4	-	-	25	1
Innvictis	A4642XF	49.3	-	-	29	1
Pioneer	P41Z80BLX	48.3	-	-	27	1
Revere	44-F44	47.5	-	-	23	1
Asgrow	AG46XF3	47.0	41.0	45.5	24	1
Delta Grow	43F65STS	46.1	-	-	27	1
DONMARIO	DM46F54S	45.5	-	-	25	1
Great Heart	GT-4460XF	45.3	-	-	25	1
Progeny	P 4524XFS	45.3	-	-	23	1
Innvictis	A4664XF	45.2	-	-	22	1
Dyna-Gro	S43XF85S	44.7	-	-	26	1
Great Heart	GT-4632XFS	44.2	-	-	27	1
NK	NK46-B4XFS	43.0	41.1	-	24	1
Asgrow	AG42XF4	42.1	-	-	22	1
Asgrow	AG44XF4	42.1	-	-	21	1
Stine	46FD29	41.1	-	-	22	1
Asgrow	AG45XF3	40.6	35.7	40.4	22	1
NK	NK43-W1XFS	40.5	-	-	23	1
Armor	45-F65	39.8	-	-	23	1
Gateway Seed	461XFS	39.1	36.4	-	24	1
Asgrow	AG39XF3	38.1	34.2	-	21	1
MEAN		47.3				
CV		11.3				
R ²		69.0				
LSD		8.7				
Error DF		62				

RAY HARDY, JR. FARM, TIPPO

Table 63. Non-Irrigated Maturity Group IV Late Xtend and XtendFlex Soybean Varieties at Ray Hardy Jr. Farm, Tippoo.

Brand	Variety	2024 <i>bu/A</i>	Yield		Plant Height <i>in</i>	Lodging Score <i>1-5</i>
			2-year <i>bu/A</i>	3-year <i>bu/A</i>		
Dyna-Gro	S49XF43S	54.1	43.5	-	24	1
Great Heart	GT-4867XF	52.8	42.7	-	27	1
Revere	47-F77	52.2	-	-	28	1
Progeny	P 4842XFS	51.9	-	-	27	1
Innvictis	A4924XF	51.7	-	-	21	1
Armor	48-F55S	51.5	-	-	27	1
Gateway Seed	487XFS	51.0	-	-	27	1
Progeny	P 4824XF	51.0	-	-	24	1
Great Heart	GT-4756XF	50.3	39.0	40.6	23	1
Dyna-Gro	S47XF23S	50.3	41.5	-	27	1
Integra	XF4914S	49.3	-	-	25	1
Great Heart	GT-4791XF	49.2	-	-	25	1
NK Brand	NK49-N7XF	48.7	-	-	23	1
Innvictis	A4862XF	48.7	42.9	-	27	1
Revere	49-F36	48.6	-	-	27	1
Revere	48-F72	47.9	-	-	23	1
Progeny	P 4806XFS	47.7	43.6	-	26	1
Delta Grow	48XF33STS	47.4	41.4	42.9	28	1
Dyna-Gro	S48XF35	47.4	-	-	24	1
Progeny	P 4798XF	47.0	37.2	-	28	1
Revere	4826XFS	46.8	38.4	39.4	23	1
Delta Grow	48XF70STS	46.5	40.1	41.1	22	1
Pioneer	P48Z7OBLX	46.5	-	-	28	1
Progeny	P 4734XFS	46.3	-	-	19	1
Great Heart	GT-4762XF	46.2	39.1	40.0	23	1
Gateway Seed	479XFS	46.1	-	-	22	1
Progeny	P 4947XFS	45.4	39.6	-	25	1
Delta Grow	49XF85/STS	45.3	36.9	-	22	1
DONMARIO	DM48F53	45.3	38.1	-	23	1
Progeny	P 4848XF	44.6	-	-	26	1
NK Brand	NK48-A8XFS	44.5	42.4	-	23	1
Innvictis	A4814XF	44.4	-	-	24	1
Integra	XF 4875S	43.9	-	-	22	1
USG	7495XFS	43.5	-	-	27	1
USG	7474XFS	43.1	-	-	27	1
Asgrow	AG49XF4	42.7	39.8	-	25	1
Progeny	P 4724XFS	42.6	-	-	27	1
Gateway Seed	473XFS	40.5	40.2	-	24	1
NK Brand	NK49-C2XFS	38.3	35.7	41.2	17	1
Delta Grow	47XF90STS	38.0	-	-	26	1

RAY HARDY, JR. FARM, TIPPO

Table 63. Non-irrigated Maturity Group IV Late Xtend and XtendFlex Soybean Varieties at Ray Hardy Jr. Farm, Tippo (continued).

Brand	Variety	Yield			Plant Height	Lodging Score
		2024	2-year	3-year		
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>in</i>	<i>1-5</i>
Delta Grow	48XF80RKN	37.7	-	-	21	1
MEAN		46.8				
CV		14.4				
R ²		44.0				
LSD		NS				
Error DF		82				



MAFES NORTHEAST MS BRANCH, VERONA

Table 64. Non-Irrigated Maturity Group IV Early Xtend and XtendFlex Soybean Varieties at the MAFES Northeast MS Branch, Verona.

Brand	Variety	2024 <i>bu/A</i>	Yield		Plant Height <i>in</i>	Lodging Score <i>1-5</i>
			2-year <i>bu/A</i>	3-year <i>bu/A</i>		
Pioneer	P46A90LX	76.7	-	-	30	1
Delta Grow	43F65STS	76.7	-	-	32	1
Progeny	P 4691XFS	75.3	72.6	69.0	37	1
Asgrow	AG45XF3	72.6	75.1	73.2	30	1
Asgrow	AG46XF3	72.1	75.6	75.0	29	1
Progeny	P 4623XF	71.9	78.2	-	30	1
NK	NK46-B4XFS	71.7	75.3	-	31	1
Great Heart	GT-4632XFS	71.7	-	-	31	1
Gateway Seed	457XFS	70.4	82.6	-	37	1
Pioneer	P41Z80BLX	70.3	-	-	30	1
Great Heart	GT-4538XFS	69.9	81.0	-	35	1
Innictis	A4642XF	69.4	-	-	33	1
DONMARIO	DM46F54S	68.1	-	-	31	1
Delta Grow	46XF54STS	67.7	78.1	-	33	1
Progeny	P 4524XFS	65.4	-	-	30	1
Revere	44-F44	65.3	-	-	31	1
Stine	46FD29	65.2	-	-	31	1
Asgrow	AG44XF4	64.4	-	-	28	1
Asgrow	AG39XF3	64.1	64.3	-	26	1
NK	NK43-W1XFS	63.9	-	-	30	1
Great Heart	GT-4460XF	62.9	-	-	29	1
Integra	XF4634S	61.4	-	-	34	1
Armor	46-F15S	60.0	-	-	34	1
Dyna-Gro	S43XF85S	60.0	-	-	28	1
Armor	45-F02	58.6	70.5	69.5	31	1
Progeny	P 4604XFS	58.6	67.5	67.5	31	1
Asgrow	AG42XF4	57.6	-	-	33	1
Gateway Seed	461XFS	56.4	66.3	-	34	1
Armor	45-F65	54.7	-	-	26	1
Innictis	A4664XF	54.5	-	-	27	1
Innictis	A4503XF	45.0	-	-	26	1
MEAN		65.2				
CV		15.9				
R ²		54.0				
LSD		NS				
Error DF		62				

MAFES NORTHEAST MS BRANCH, VERONA

Table 65. Non-Irrigated Maturity Group IV Late Xtend and XtendFlex Soybean Varieties at MAFES Northeast MS Branch, Verona.

Brand	Variety	2024 <i>bu/A</i>	Yield		Plant Height <i>in</i>	Lodging Score <i>1-5</i>
			2-year <i>bu/A</i>	3-year <i>bu/A</i>		
Gateway Seed	487XFS	83.8	-	-	31	1
Gateway Seed	479XFS	80.2	-	-	42	1
Progeny	P 4724XFS	79.8	-	-	34	1
Delta Grow	48XF70STS	79.7	81.4	77.5	34	1
Revere	49-F36	77.9	-	-	40	1
Pioneer	P48Z70BLX	75.8	-	-	36	1
Progeny	P 4947XFS	75.8	88.5	-	36	1
Delta Grow	47XF90STS	73.6	-	-	35	1
Asgrow	AG49XF4	73.4	75.9	-	30	1
NK Brand	NK49-C2XFS	73.0	78.6	77.2	30	1
Progeny	P 4842XFS	72.7	-	-	38	1
Progeny	P 4806XFS	72.7	79.3	-	30	1
Integra	XF 4875S	72.7	-	-	31	1
Progeny	P 4734XFS	71.3	-	-	30	1
USG	7474XFS	71.2	-	-	28	1
Delta Grow	48XF33STS	69.8	75.9	70.8	33	1
Delta Grow	48XF80RKN	69.4	-	-	35	1
Progeny	P 4798XF	67.8	80.3	-	32	1
Gateway Seed	473XFS	67.4	71.7	-	34	1
DONMARIO	DM48F53	66.7	70.4	-	30	1
Revere	4826XFS	66.7	76.8	74.7	31	1
NK Brand	NK48-A8XFS	66.3	77.0	-	29	1
Great Heart	GT-4791XF	66.1	-	-	29	1
Revere	47-F77	64.2	-	-	39	1
NK Brand	NK49-N7XF	63.9	-	-	32	1
Progeny	P 4824XF	61.5	-	-	35	1
Progeny	P 4848XF	60.7	-	-	31	1
USG	7495XFS	60.6	-	-	37	1
Dyna-Gro	S47XF23S	58.2	73.2	-	32	1
Armor	48-F55S	57.5	-	-	33	1
Great Heart	GT-4756XF	56.9	65.5	65.0	28	1
Innvictis	A4862XF	56.9	62.0	-	29	1
Innvictis	A4924XF	56.0	-	-	26	1
Dyna-Gro	S48XF35	56.0	-	-	25	1
Dyna-Gro	S49XF43S	55.8	72.2	-	30	1
Great Heart	GT-4762XF	55.4	73.7	75.7	30	1
Innvictis	A4814XF	55.0	-	-	27	1
Great Heart	GT-4867XF	54.8	60.0	-	32	1
Delta Grow	49XF85/STS	53.8	66.3	-	28	1
Revere	48-F72	51.4	-	-	32	1

MAFES NORTHEAST MS BRANCH, VERONA

Table 65. Non-Irrigated Maturity Group IV Late Xtend and XtendFlex Soybean Varieties at MAFES Northeast MS Branch, Verona (continued).

Brand	Variety	2024 <i>bu/A</i>	Yield		Plant Height <i>in</i>	Lodging Score <i>1-5</i>
			2-year <i>bu/A</i>	3-year <i>bu/A</i>		
Integra	XF4914S	51.0	-	-	26	1
MEAN		65.9				
CV		15.7				
R ²		68.0				
LSD		16.4				
Error DF		82				

Table 66. Non-Irrigated Maturity Group IV Enlist Soybean Varieties at the MAFES Northeast MS Branch, Verona.

Brand	Variety	2024 <i>bu/A</i>	Yield		Plant Height <i>in</i>	Lodging Score <i>1-5</i>
			2-year ¹ <i>bu/A</i>	3-year ¹ <i>bu/A</i>		
Pioneer	P45Z75E	66.5	-	-	28	1
Stine	48EE20	66.1	-	-	30	1
Pioneer	P43Z44SE	63.3	-	-	25	1
Stine	46EG92	62.3	-	-	31	1
Pioneer	P47Z15BE	60.3	-	-	31	1
Great Heart	GT-4854ES	58.8	-	-	33	1
Pioneer	P49Z02E	56.5	-	-	30	1
Great Heart	GT-4563ES	53.4	-	-	28	1
Delta Grow	47E70	47.1	-	-	26	1
Innvictis	B4904E	47.0	-	-	26	1
Pioneer	P40Z57E	41.9	-	-	26	1
Pioneer	P38Z63E	37.9	-	-	23	1
MEAN		55.1				
CV		9.8				
R ²		84.0				
LSD		9.2				
Error DF		22				

¹No 2 or 3-year average

MAFES NORTHEAST MS BRANCH, VERONA

Table 67. Non-Irrigated Maturity Group V Early Xtend and XtendFlex Soybean Varieties at MAFES Northeast MS Branch, Verona.

Brand	Variety	2024 <i>bu/A</i>	Yield		Plant Height <i>in</i>	Lodging Score <i>1-5</i>
			2-year <i>bu/A</i>	3-year <i>bu/A</i>		
Revere	53-F84	78.1	-	-	45	1
NK Brand	NK54-J9XFS	70.0	86.5	-	42	1
Revere	51-F31	68.3	-	-	32	1
NK Brand	NK52-V1XF	63.6	65.6	-	39	1
Asgrow	AG53XF2	63.2	65.3	66.9	33	1
Dyna-Gro	S51XF84	60.8	-	-	30	1
Pioneer	P53Z60LX	57.9	-	-	27	1
Delta Grow	52XF90STS	57.0	-	-	34	1
Delta Grow	55XF23	57.0	58.8	-	33	1
Great Heart	GT-5320XF	56.6	61.4	-	30	1
Dyna-Gro	S55XF95	56.1	-	-	25	1
Great Heart	GT-5417X	54.9	64.9	-	32	1
Asgrow	AG56XF2	54.4	67.3	72.3	31	1
DELTA GROW	53XF95/STS	53.8	51.9	-	32	1
Progeny	P 5056XFS	48.5	65.2	70.5	39	1
NK Brand	NK56-Z6XFS	36.0	51.9	-	23	1
MEAN		58.5				
CV		18.0				
R ²		65.0				
LSD		18.0				
Error DF		34				

MAFES NORTHEAST MS BRANCH, VERONA

Table 68. Non-Irrigated Maturity Group V Late Xtend and XtendFlex Soybean Varieties at MAFES Northeast MS Branch, Verona.

Brand	Variety	2024 <i>bu/A</i>	Yield		Plant Height <i>in</i>	Lodging Score <i>1-5</i>
			2-year <i>bu/A</i>	3-year ¹ <i>bu/A</i>		
Innvictis	A5994XF	41.3	-	-	28	1
Progeny	5751XF	37.1	49.8	-	24	1
Innvictis	A5813XF	35.0	47.9	-	19	1
Revere	5735XFS	32.6	-	-	22	1
MEAN		36.5				
CV		23.0				
R ²		36.0				
LSD		NS				
Error DF		6				

¹No 3-year average

Table 69. Non-Irrigated Maturity Group V Enlist Soybean Varieties at the MAFES Northeast MS Branch, Verona.

Brand	Variety	2024 <i>bu/A</i>	Yield		Plant Height <i>in</i>	Lodging Score <i>1-5</i>
			2-year ¹ <i>bu/A</i>	3-year ¹ <i>bu/A</i>		
Pioneer	P50Z95E	60.2	-	-	29	1
Catalyst	CT5293E3	55.0	-	-	27	1
Delta Grow	52E30	47.5	-	-	32	1
MEAN		54.3				
CV		8.5				
R ²		76.0				
LSD		10.4				
Error DF		4				

¹No 2 or 3-year average

Table 70. Plant Characteristics of Maturity Group IV Early Xtend Soybeans.

Brand	Variety (IV E 4.0-4.6)	Seed/lb	RM	D/I	Seed Trt. & Level Applied	Pod Color	Pub Color	Flower Color	Hilum Color
Armor	45-F02	2655	4.5	-	Warden+Saltro	Brown	Light Tawny	Purple	Black
Armor	45-F65	2978	4.5	-	-	Brown	Light Tawny	White	Black
Armor	46-F15S	2860	4.6	-	-	Brown	Light Tawny	White	Black
Armor	46-F35S	2815	4.6	-	Warden+Saltro	Tan	Light Tawny	White	Black
Asgrow	AG44XF4	3880	4.4	-	Acceleron	Tan	Tawny	Purple	Black
Asgrow	AG45XF3	3040	4.5	-	Acceleron	Tan	Light Tawny	Purple	Black
Asgrow	AG46XF3	2730	4.6	-	Acceleron	Tan	Light Tawny	Purple	Black
Asgrow	AG39XF3	3100	3.9	-	Acceleron	Brown	Light Tawny	White	Black
Asgrow	AG42XF4	2900	4.2	-	Acceleron	Brown	Light Tawny	Purple	Black
Delta Grow	46XF54STS	2563	4.6	I	CruiserMaxx	Brown	Light Tawny	White	Black
Delta Grow	43F65STS	2846	4.3	I	CruiserMaxx		Light Tawny	White	Black
DONMARIO	DM46F54S	3261	4.6	-	-	Brown	Light Tawny	Purple	Black
Dyna-Gro	S43XF85S	2865	4.3	-	-	Tan	Light Tawny	-	-
Gateway Seed	457XFS	2965	4.5	-	-	Brown	Light Tawny	Mixed	Black
Gateway Seed	461XFS	3214	4.6	-	-	Brown	Light Tawny	Purple	Black
Great Heart	GT-4632XFS	2745	4.6	-	Great Start Max Plus	Brown	Light Tawny	Purple	Black
Great Heart	GT-4460XF	2750	4.4	-	Great Start Max Plus	Tan	Light Tawny	Purple	Black
Great Heart	GT-4538XFS	2536	4.5	-	Great Start Max Plus	Brown	Light Tawny	White	Black
Inn victis	A4503XF	2704	4.5	-	Revize PBI	Brown	Tawny	White	Black
Inn victis	A4642XF	2501	4.6	-	Revize PBI	Brown	Grey	Purple	Imp. Black
Inn victis	A4664XF	2917	4.6	-	Revize PBI	Brown	Light Tawny	Purple	Black
Integra	XF4634S	2750	4.6	-	-	Brown	Light Tawny	White	Black
NK	NK43-W1XFS	3090	4.6	-	CruiserMaxx APX + Saltro	-	-	-	-
NK	NK46-B4XFS	3058	4.6	-	CruiserMaxx APX + Saltro	Brown	Light Tawny	White	Black
Pioneer	P41Z8OBLX	2936	4.1	-	-	-	-	-	-
Pioneer	P46A90LX	3036	4.6	-	-	-	-	-	-
Progeny	P 4524XFS	2466	4.5	-	ProServo/S	Tan	Light Tawny	Purple	Black
Progeny	P 4604XFS	2681	4.6	-	ProServo/S	Brown	Light Tawny	Purple	Black
Progeny	P 4623XF	2452	4.6	-	ProServo/S	Brown	Light Tawny	Purple	Black
Progeny	P 4691XFS	2680	4.6	-	ProServo/S	Brown	Grey	Purple	Imp. Black
Revere	44-F44	2524	4.4	-	Radius Premium	Tan	Light Tawny	Purple	Unknown
Stine	46FD29	2243	4.6	-	CruiserMaxx	-	Grey	Purple	Imp. Black

Table 71. Plant Characteristics of Maturity Group IV Late Xtend Soybeans.

Brand	Variety (IV L 4.7-4.9)	Seed/lb	RM	D/I	Seed Trt. & Level Applied	Pod Color	Pub Color	Flower Color	Hilum Color
Armor	48-F55S	2830	4.8	-	Warden + Saltro	Tan	Light Tawny	Purple	Black
Armor	48-F25S	2916	4.8	-	Warden + Saltro	Tan	Light Tawny	Purple	Black
Asgrow	AG49XF4	3080	4.9	-	Acceleron	Tan	Tawny	Purple	Black
Delta Grow	49XF85STS	3133	4.9	I	CruiserMaxx	Tan	Gray	White	Buff
Delta Grow	48XF33STS	2935	4.8	I	CruiserMaxx	Brown	Light Tawny	Purple	Black
Delta Grow	47XF90STS	2479	4.7	I	CruiserMaxx	Brown	Light Tawny	Purple	Black
Delta Grow	48XF80RKN	2624	4.8	I	CruiserMaxx	Brown	Light Tawny	Purple	Black
Delta Grow	48XF70STS	2779	4.8	-	CruiserMaxx	Tan	Light Tawny	Purple	Black
DONMARIO	DM48F53	3027	4.8	-	-	Tan	Light Tawny	Purple	Black
Dyna-Gro	S47XF23S	2722	4.7	-	-	Tan	Light Tawny	-	-
Dyna-Gro	S49XF43S	2876	4.9	-	-	Tan	Gray	-	-
Dyna-Gro	S48XF35	2803	4.8	-	-	Tan	Light Tawny	-	-
Gateway Seed	473XFS	3047	4.7	-	-	Brown	Gray	Purple	Imp. Black
Gateway Seed	479XFS	2630	4.7	-	-	Tan	Light Tawny	Purple	Black
Gateway Seed	487XFS	2830	4.8	-	-	Tan	Light Tawny	Purple	Black
Great Heart	GT-4756XF	2828	4.7	-	Great Start Max Plus	Tan	Tawny	Purple	Black
Great Heart	GT-4762XF	2528	4.7	-	Great Start Max Plus	Brown	Tawny	Purple	Black
Great Heart	GT-4791XF	2830	4.7	-	Great Start Max Plus	Tan	Light Tawny	Purple	Black
Great Heart	GT-4867XF	2868	4.8	-	Great Start Max Plus	Tan	Light Tawny	White	Black
Innkvictis	A4862XF	2518	4.8	-	Revize PBI	Tan	Light Tawny	White	Black
Innkvictis	A4924XF	2280	4.9	-	Revize PBI	Brown	Light Tawny	Purple	Black
Innkvictis	A4814XF	2626	4.8	-	Revize PBI	Brown	Light Tawny	Purple	Black
Integra	XF 4875S	2830	4.8	-	-	-	-	-	-
Integra	XF4914S	2820	4.9	-	-	Tan	Gray	White	Buff
NK	NK48-A8XFS	2750	4.8	-	CruiserMaxx APX+ Saltro	Brown	Light Tawny	White	Brown
NK	NK49-N7XF	2650	4.9	-	CruiserMaxx APX+ Saltro	Brown	Light Tawny	Purple	Black
NK	NK49-C2XFS	2674	4.9	-	CruiserMaxx APX+ Saltro	Tan	Light Tawny	Purple	Black
Pioneer	P48Z70BLX	2660	4.8	-	-	-	-	-	-
Progeny	P 4734XFS	2929	4.7	-	ProServo/S	Brown	Light Tawny	Purple	Black
Progeny	P 4798XF	2397	4.7	-	ProServo/S	Tan	Tawny	Purple	Black
Progeny	P 4806XFS	2543	4.8	-	ProServo/S	Brown	Tawny	White	Black
Progeny	P 4842XFS	2490	4.8	-	ProServo/S	Tan	Light Tawny	Purple	Black
Progeny	P 4848XF	2426	4.8	-	ProServo/S	Tan	Tawny	Purple	Black
Progeny	P 4947XFS	2559	4.9	-	ProServo/S	Tan	Light Tawny	Purple	Black
Progeny	P 4724XFS	2723	4.7	-	ProServo/S	Tan	Light Tawny	White	Black
Progeny	P4824XF	2871	4.8	-	ProServo/S	Brown	Light Tawny	Purple	Black
Revere	4826XFS	2445	4.8	-	Radius Premium	Tan	Light Tawny	Purple	Unknown
Revere	49-F36	2607	4.9	-	Radius Premium	Tan	Light Tawny	Purple	Unknown
Revere	48-F72	2770	4.8	-	Radius Premium	Brown	Light Tawny	Purple	Unknown
Revere	47-F77	2322	4.7	-	Radius Premium	-	-	-	-
USG	7474XFS	2659	4.7	-	Rancona, Imidicloprid, Metalaxyl	Tan	Light Tawny	Purple	Black
USG	7495XFS	2407	4.9	-	Rancona, Imidicloprid, Metalaxyl	Tan	Light Tawny	Purple	Black

Table 72. Plant Characteristics of Maturity Group IV Enlist Soybeans.

Brand	Variety (IVE 4.0-4.9)	Seed/lb	RM	D/I	Seed Trt. & Level Applied	Pod Color	Pub Color	Flower Color	Hilum Color
Delta Grow	47E70	3119	4.7	-	CruiserMaxx	-	-	-	-
Great Heart	GT-4563ES	2725	4.5	-	Great Start Max Plus	Tan	Light Tawny	White	Black
Great Heart	GT-4854ES	3032	4.8	-	Great Start Max Plus	Brown	Gray	White	Buff
Innvictis	B4904E	3111	4.9	-	Revize PBI	Brown	Gray	White	Black
Pioneer	P38Z63E	2900	3.8	-	-	-	-	-	-
Pioneer	P40Z57E	2423	4	-	-	-	-	-	-
Pioneer	P43Z44SE	2954	4.3	-	-	-	-	-	-
Pioneer	P45Z75E	2805	4.5	-	-	-	-	-	-
Pioneer	P47Z15BE	2820	4.7	-	-	-	-	-	-
Pioneer	P49Z02E	2855	4.9	-	-	-	-	-	-
Stine	46EG92	2569	4.6	-	CruiserMaxx	-	Light Tawny	White	Black
Stine	48EE20	3307	4.8	-	CruiserMaxx	-	Gray	White	Buff

Table 73. Plant Characteristics of Maturity Group V Early Xtend Soybeans.

Brand	Variety (VE 5.0-5.6)	Seed/lb	RM	D/I	Seed Trt. & Level Applied	Pod Color	Pub Color	Flower Color	Hilum Color
Asgrow	AG53XF2	3070	5.3	-	Acceleron	Tan	Light Tawny	Purple	Black
Asgrow	AG56XF2	2900	5.6	-	Acceleron	Tan	Tawny	White	Black
Delta Grow	53XF95STS	2860	5.3	SD	CruiserMaxx	Tan	Gray	White	Buff
Delta Grow	55XF23	2848	5.5	D	CruiserMaxx	Tan	Tawny	White	Black
Delta Grow	52XF90STS	2461	5.2	I	CruiserMaxx	Brown	Light Tawny	Purple	Black
Dyna-Gro	S51XF84	2775	5.1	-	-	Tan	Light Tawny	-	-
Dyna-Gro	S55XF95	2790	5.5	-	-	-	-	-	-
Great Heart	GT-5320XF	3432	5.3	-	Great Start Max Plus	Brown	Light Tawny	White	Black
Great Heart	GT-5417X	3512	5.4	-	Great Start Max Plus	Tan	Tawny	Purple	Black
Innvictis	A5124XF	2085	5.1	-	Revize	Brown	Light Tawny	White	Black
Innvictis	A5284XF	2333	5.2	-	Revize	Tan	Light Tawny	Purple	Black
NK	NK52-V1XF	3215	5.2	-	CruiserMaxx APX + Saltro	Brown	Light Tawny	Purple	Black
NK	NK54-J9XFS	2968	5.4	-	CruiserMaxx APX + Saltro	Tan	Tawny	White	Black
NK	NK56-Z6XFS	2718	5.6	-	CruiserMaxx APX + Saltro	Brown	Light Tawny	White	Black
Pioneer	P53Z60LX	2688	5.3	-	-	-	-	-	-
Progeny	P 5056XFS	2626	5	-	ProServo/S	Brown	Light Tawny	Purple	Black
Revere	51-F31	2923	5.1	-	Radius Premium	Tan	Light Tawny	Purple	Unknown
Revere	53-F84	2848	5.3	-	Radius Premium	Tan	Light Tawny	Purple	Unknown

Table 74. Plant Characteristics of Maturity Group V Late Xtend Soybeans.

Brand	Variety (VE 5.7-5.9)	Seed/lb	RM	Seed Trt. & Level Applied	Pod Color	Pub Color	Flower Color	Hilum Color
Innvictis	A5994XF	2430	5.9	Revize PBI	Tan	L. Tawny	Purple	Black
Innvictis	A5813XF	2571	5.8	Revize PBI	Tan	Tawny	White	Black
Progeny	P 5751XF	3342	5.7	ProServo/S	Tan	Tawny	White	Black
Revere	5735XFS	2843	5.7	Radius Premium	Tan	Tawny	White	Unknown

Table 75. Plant Characteristics of Maturity Group V Enlist Soybeans.

Brand	Variety (IVE 4.0-4.9)	Seed/lb	RM	Seed Trt. & Level Applied	Pod Color	Pub Color	Flower Color	Hilum Color
Catalyst	CT5293E3	2213	5.2	-	Radius Premium	-	-	-
Delta Grow	52E30	3363	5.2	-	CruiserMaxx	-	-	-
Pioneer	P50Z95E	2990	5	-	-	-	-	-

Table 76. Summary of Damage Kernel Total (DKT) by Variety for MG IV Early Xtend/XtendFlex for the 2024 Mississippi Soybean Variety Trials.

				Raymond (Non-Irrigated)			Stoneville, loam (Irrigated)			Verona (Non-Irrigated)			Average
Brand	Variety	MG	Technology	Planting Date	Harvest Date	DKT %	Planting Date	Harvest Date	DKT %	Planting Date	Harvest Date	DKT %	DKT %
Stine	45-F02	IV Early	Xtend/ XtendFlex	5/7	10/1	8.1	4/30	9/24	1.2	4/25	10/2	20.0	9.8
Armor	45-F65	IV Early	Xtend/ XtendFlex	5/7	10/1	6.8	4/30	9/24	2.1	4/25	10/2	22.3	10.4
Armor	46-F15S	IV Early	Xtend/ XtendFlex	5/7	10/1	6.0	4/30	9/24	2.1	4/25	10/2	9.2	5.8
Armor	46-F35S	IV Early	Xtend/ XtendFlex	5/7	10/1	6.2	4/30	9/24	1.5	-	-	-	3.9
Asgrow	AG39XF3	IV Early	Xtend/ XtendFlex	5/7	10/1	11.6	4/30	9/24	1.8	4/25	10/2	26.4	13.3
Asgrow	AG42XF4	IV Early	Xtend/ XtendFlex	5/7	10/1	6.4	4/30	9/24	0.9	4/25	10/2	15.7	7.7
Asgrow	AG44XF4	IV Early	Xtend/ XtendFlex	5/7	10/1	11.5	4/30	9/24	2.3	4/25	10/2	15.8	9.9
Asgrow	AG45XF3	IV Early	Xtend/ XtendFlex	5/7	10/1	4.0	4/30	9/24	1.1	4/25	10/2	25.4	10.2
Asgrow	AG46XF3	IV Early	Xtend/ XtendFlex	5/7	10/1	8.4	4/30	9/24	2.7	4/25	10/2	16.0	9.0
Delta Grow	43F65STS	IV Early	Xtend/ XtendFlex	5/7	10/1	3.9	4/30	9/24	1.0	4/25	10/2	7.7	4.2
Delta Grow	46XF54STS	IV Early	Xtend/ XtendFlex	5/7	10/1	3.2	4/30	9/24	3.6	4/25	10/2	10	5.6
DONMARIO	DM46F54S	IV Early	Xtend/ XtendFlex	5/7	10/1	5.2	4/30	9/24	0.9	4/25	10/2	7.0	4.4
Dyna-Gro	S43XF85S	IV Early	Xtend/ XtendFlex	5/7	10/1	7.1	4/30	9/24	1.1	4/25	10/2	9.1	5.8
Gateway Seed	457XFS	IV Early	Xtend/ XtendFlex	5/7	10/1	3.9	4/30	9/24	2.1	4/25	10/2	12.8	6.3
Gateway Seed	461XFS	IV Early	Xtend/ XtendFlex	5/7	10/1	3.3	4/30	9/24	3.1	4/25	10/2	18.1	8.2
Great Heart	GT-4460XF	IV Early	Xtend/ XtendFlex	5/7	10/1	5.2	4/30	9/24	2.0	4/25	10/2	8.2	5.1
Great Heart	GT-4538XFS	IV Early	Xtend/ XtendFlex	5/7	10/1	4.9	4/30	9/24	1.7	4/25	10/2	8.7	5.1
Great Heart	GT-4632XFS	IV Early	Xtend/ XtendFlex	5/7	10/1	8.0	4/30	9/24	1.4	4/25	10/2	12.5	7.3
Innvictis	A4503XF	IV Early	Xtend/ XtendFlex	5/7	10/1	5.6	4/30	9/24	2.1	4/25	10/2	20.5	9.4
Innvictis	A4642XF	IV Early	Xtend/ XtendFlex	5/7	10/1	2.3	4/30	9/24	1.9	4/25	10/2	12.0	5.4
Innvictis	A4664XF	IV Early	Xtend/ XtendFlex	5/7	10/1	7.5	4/30	9/24	1.1	4/25	10/2	13.7	7.4
Integra	XF4634S	IV Early	Xtend/ XtendFlex	5/7	10/1	2.6	4/30	9/24	1.3	4/25	10/2	6.5	3.5
NK	NK43-W1XFS	IV Early	Xtend/ XtendFlex	5/7	10/1	15.1	4/30	9/24	1.0	4/25	10/2	9.6	8.6
NK	NK46-B4XFS	IV Early	Xtend/ XtendFlex	5/7	10/1	8.5	4/30	9/24	2.5	4/25	10/2	13.5	8.2
Pioneer	P41Z80BLX	IV Early	Xtend/ XtendFlex	5/7	10/1	5.3	4/30	9/24	1.4	4/25	10/2	13.7	6.8
Pioneer	P46A90LX	IV Early	Xtend/ XtendFlex	5/7	10/1	8.2	4/30	9/24	1.8	4/25	10/2	11.3	7.1
Progeny	P 4524XFS	IV Early	Xtend/ XtendFlex	5/7	10/1	6.5	4/30	9/24	1.4	4/25	10/2	5.2	4.4
Progeny	P 4604XFS	IV Early	Xtend/ XtendFlex	5/7	10/1	6.0	4/30	9/24	1.5	4/25	10/2	6.5	4.7
Progeny	P 4623XF	IV Early	Xtend/ XtendFlex	5/7	10/1	7.2	4/30	9/24	1.5	4/25	10/2	13.5	7.4
Progeny	P 4691XFS	IV Early	Xtend/ XtendFlex	5/7	10/1	8.5	4/30	9/24	0.9	4/25	10/2	5.5	5.0
Revere	44-F44	IV Early	Xtend/ XtendFlex	5/7	10/1	6.9	4/30	9/24	1.4	4/25	10/2	6.8	5.0
Stine	46FD29	IV Early	Xtend/ XtendFlex	5/7	10/1	7.3	4/30	9/24	2.6	4/25	10/2	5.9	5.3

Table 77. Summary of Damage Kernel Total (DKT) by Variety for MG IV Late Xtend/XtendFlex for the 2024 Mississippi Soybean Variety Trials.

Brand	Variety	MG	Technology	Raymond (Non-Irrigated)			Stoneville, loam (Irrigated)			Verona (Non-Irrigated)			Average
				Planting Date	Harvest Date	DKT %	Planting Date	Harvest Date	DKT %	Planting Date	Harvest Date	DKT %	DKT %
Armor	48-F25S	IV Late	Xtend/XtendFlex	5/7	10/1	6.0	4/30	9/24	1.0	4/25	10/2	13.6	6.9
Armor	48-F55S	IV Late	Xtend/XtendFlex	5/7	10/1	2.7	4/30	9/24	2.5	4/25	10/2	8.2	4.5
Asgrow	AG49XF4	IV Late	Xtend/XtendFlex	5/7	10/1	4.5	4/30	9/24	1.0	4/25	10/2	7.8	4.4
Delta Grow	47XF90STS	IV Late	Xtend/XtendFlex	5/7	10/1	6.7	4/30	9/24	2.5	4/25	10/2	4.6	4.6
Delta Grow	48XF33STS	IV Late	Xtend/XtendFlex	5/7	10/1	6.7	4/30	9/24	3.5	4/25	10/2	10.9	7.0
Delta Grow	48XF70STS	IV Late	Xtend/XtendFlex	5/7	10/1	5.2	4/30	9/24	2.6	4/25	10/2	8.9	5.6
Delta Grow	48XF80RKN	IV Late	Xtend/XtendFlex	5/7	10/1	5.4	4/30	9/24	3.4	4/25	10/2	4.7	4.5
Delta Grow	49XF85/STS	IV Late	Xtend/XtendFlex	5/7	10/1	4.6	4/30	9/24	1.2	4/25	10/2	7.6	4.5
DONMARIO	DM48F53	IV Late	Xtend/XtendFlex	5/7	10/1	3.9	4/30	9/24	1.6	4/25	10/2	4.3	3.3
Dyna-Gro	S47XF23S	IV Late	Xtend/XtendFlex	5/7	10/1	4.1	4/30	9/24	1.1	4/25	10/2	22.6	9.3
Dyna-Gro	S48XF35	IV Late	Xtend/XtendFlex	5/7	10/1	4.8	4/30	9/24	1.5	4/25	10/2	7.4	4.6
Dyna-Gro	S49XF43S	IV Late	Xtend/XtendFlex	5/7	10/1	5.8	4/30	9/24	2.5	4/25	10/2	6.3	4.9
Gateway Seed	473XFS	IV Late	Xtend/XtendFlex	5/7	10/1	5.3	4/30	9/24	0.5	4/25	10/2	8.0	4.6
Gateway Seed	479XFS	IV Late	Xtend/XtendFlex	5/7	10/1	5.1	4/30	9/24	2.3	4/25	10/2	5.3	4.2
Gateway Seed	487XFS	IV Late	Xtend/XtendFlex	5/7	10/1	5.4	4/30	9/24	1.8	4/25	10/2	5.1	4.1
Great Heart	GT-4756XF	IV Late	Xtend/XtendFlex	5/7	10/1	4.2	4/30	9/24	1.1	4/25	10/2	21.9	9.1
Great Heart	GT-4762XF	IV Late	Xtend/XtendFlex	5/7	10/1	6.7	4/30	9/24	2.2	4/25	10/2	22.5	10.5
Great Heart	GT-4791XF	IV Late	Xtend/XtendFlex	5/7	10/1	5.5	4/30	9/24	2.5	4/25	10/2	9.5	5.8
Great Heart	GT-4867XF	IV Late	Xtend/XtendFlex	5/7	10/1	5.7	4/30	9/24	1.6	4/25	10/2	8.3	5.2
Innictis	A4814XF	IV Late	Xtend/XtendFlex	5/7	10/1	3.8	4/30	9/24	7.7	4/25	10/2	8.4	6.6
Innictis	A4862XF	IV Late	Xtend/XtendFlex	5/7	10/1	6.5	4/30	9/24	1.8	4/25	10/2	7.6	5.3
Innictis	A4924XF	IV Late	Xtend/XtendFlex	5/7	10/1	2.8	4/30	9/24	0.7	4/25	10/2	17.1	6.9
Integra	XF 4875S	IV Late	Xtend/XtendFlex	5/7	10/1	3.0	4/30	9/24	2.6	4/25	10/2	10.6	5.4
Integra	XF4914S	IV Late	Xtend/XtendFlex	5/7	10/1	3.1	4/30	9/24	3.1	4/25	10/2	5.5	3.9
NK	NK48-A8XFS	IV Late	Xtend/XtendFlex	5/7	10/1	4.0	4/30	9/24	1.9	4/25	10/2	19.2	8.4
NK	NK49-C2XFS	IV Late	Xtend/XtendFlex	5/7	10/1	5.1	4/30	9/24	2.0	4/25	10/2	3.3	3.5
NK	NK49-N7XF	IV Late	Xtend/XtendFlex	5/7	10/1	5.7	4/30	9/24	0.8	4/25	10/2	9.2	5.2
Pioneer	P48Z70BLX	IV Late	Xtend/XtendFlex	5/7	10/1	2.7	4/30	9/24	2.3	4/25	10/2	6.2	3.7
Progeny	P 4724XFS	IV Late	Xtend/XtendFlex	5/7	10/1	2.7	4/30	9/24	1.0	4/25	10/2	6.2	3.3
Progeny	P 4734XFS	IV Late	Xtend/XtendFlex	5/7	10/1	6.0	4/30	9/24	1.5	4/25	10/2	10.8	6.1
Progeny	P 4798XF	IV Late	Xtend/XtendFlex	5/7	10/1	4.8	4/30	9/24	2.0	4/25	10/2	10.8	5.9
Progeny	P 4806XFS	IV Late	Xtend/XtendFlex	5/7	10/1	10.2	4/30	9/24	2.1	4/25	10/2	6.6	6.3
Progeny	P 4824XF	IV Late	Xtend/XtendFlex	5/7	10/1	2.5	4/30	9/24	1.2	4/25	10/2	3.8	2.5
Progeny	P 4842XFS	IV Late	Xtend/XtendFlex	5/7	10/1	5.9	4/30	9/24	1.4	4/25	10/2	7.4	4.9
Progeny	P 4848XF	IV Late	Xtend/XtendFlex	5/7	10/1	4.2	4/30	9/24	2.3	4/25	10/2	14.0	6.8
Progeny	P 4947XFS	IV Late	Xtend/XtendFlex	5/7	10/1	5.8	4/30	9/24	2.9	4/25	10/2	8.7	5.8
Revere	47-F77	IV Late	Xtend/XtendFlex	5/7	10/1	4.2	4/30	9/24	2.5	4/25	10/2	8.7	5.1
Revere	48-F72	IV Late	Xtend/XtendFlex	5/7	10/1	4.6	4/30	9/24	2.4	4/25	10/2	9.5	5.5
Revere	49-F36	IV Late	Xtend/XtendFlex	5/7	10/1	4.8	4/30	9/24	2.9	4/25	10/2	4.7	4.1
Revere	4826XFS	IV Late	Xtend/XtendFlex	5/7	10/1	7.2	4/30	9/24	1.4	4/25	10/2	18.7	9.1
USG	7474XFS	IV Late	Xtend/XtendFlex	5/7	10/1	4.5	4/30	9/24	1.6	4/25	10/2	8.3	4.8
USG	7495XFS	IV Late	Xtend/XtendFlex	5/7	10/1	8.3	4/30	9/24	1.7	4/25	10/2	4.7	4.9

Table 78. Summary of Damage Kernel Total (DKT) by Variety for MG IV Enlist for the 2024 Mississippi Soybean Variety Trials.

				Raymond (Non-Irrigated)			Stoneville, loam (Irrigated)			Verona (Non-Irrigated)			Average
Brand	Variety	MG	Technology	Planting Date	Harvest Date	DKT %	Planting Date	Harvest Date	DKT %	Planting Date	Harvest Date	DKT %	DKT %
Delta Grow	47E70	IV	Enlist	5/7	10/1	3.0	4/30	9/24	3.2	4/25	10/2	18.6	8.3
Great Heart	GT-4563ES	IV	Enlist	5/7	10/1	5.4	4/30	9/24	4.7	4/25	10/2	23.8	11.3
Great Heart	GT-4854ES	IV	Enlist	5/7	10/1	3.5	4/30	9/24	1.2	4/25	10/2	17.8	7.5
Inn victis	B4904E	IV	Enlist	5/7	10/1	3.7	4/30	9/24	2.5	4/25	10/2	14.3	6.8
Pioneer	P38Z63E	IV	Enlist	5/7	10/1	24.5	4/30	9/24	14.0	4/25	10/2	36.7	25.1
Pioneer	P40Z57E	IV	Enlist	5/7	10/1	18.7	4/30	9/24	2.2	4/25	10/2	36.0	19.0
Pioneer	P43Z44SE	IV	Enlist	5/7	10/1	5.7	4/30	9/24	3.8	4/25	10/2	20.0	9.8
Pioneer	P45Z75E	IV	Enlist	5/7	10/1	3.9	4/30	9/24	0.9	4/25	10/2	17.3	7.4
Pioneer	P47Z15BE	IV	Enlist	5/7	10/1	2.6	4/30	9/24	1.6	4/25	10/2	12.2	5.5
Pioneer	P49Z02E	IV	Enlist	5/7	10/1	5.6	4/30	9/24	3.4	4/25	10/2	12.9	7.3
Stine	46EG92	IV	Enlist	5/7	10/1	4.4	4/30	9/24	4.1	4/25	10/2	9.8	6.1
Stine	48EE20	IV	Enlist	5/7	10/1	5.8	4/30	9/24	1.7	4/25	10/2	7.3	4.9

Table 79. Summary of Damage Kernel Total (DKT) by Variety for MG V Early Xtend/XtendFlex for the 2024 Mississippi Soybean Variety Trials.

				Raymond (Non-Irrigated)			Stoneville, loam (Irrigated)			Verona (Non-Irrigated)			Average
Brand	Variety	MG	Technology	Planting Date	Harvest Date	DKT %	Planting Date	Harvest Date	DKT %	Planting Date	Harvest Date	DKT %	DKT %
Asgrow	AG53XF2	V Early	Xtend/Xtend-Flex	5/7	10/1	4.0	4/30	10/18	2.1	4/25	10/11	9.4	5.2
Asgrow	AG56XF2	V Early	Xtend/Xtend-Flex	5/7	10/1	4.1	4/30	10/18	1.2	4/25	10/11	9.9	5.1
Delta Grow	52XF90STS	V Early	Xtend/Xtend-Flex	5/7	10/1	5.8	4/30	10/18	2.7	4/25	10/11	6.9	5.1
Delta Grow	53XF95/STS	V Early	Xtend/Xtend-Flex	5/7	10/1	15.8	4/30	10/18	2.4	4/25	10/11	4.7	7.6
Delta Grow	55XF23	V Early	Xtend/Xtend-Flex	5/7	10/1	5.7	4/30	10/18	1.4	4/25	10/11	4.4	3.8
Dyna-Gro	S51XF84	V Early	Xtend/Xtend-Flex	5/7	10/1	2.8	4/30	10/18	1.9	4/25	10/11	6.6	3.8
Dyna-Gro	S55XF95	V Early	Xtend/Xtend-Flex	5/7	10/1	2.9	4/30	10/18	1.2	4/25	10/11	13.7	5.9
Great Heart	GT-5320XF	V Early	Xtend/Xtend-Flex	5/7	10/1	4.0	4/30	10/18	1.0	4/25	10/11	3.8	2.9
Great Heart	GT-5417X	V Early	Xtend/Xtend-Flex	5/7	10/1	3.5	4/30	10/18	1.6	4/25	10/11	6.9	4.0
Inn victis	A5124XF	V Early	Xtend/Xtend-Flex	5/7	10/1	7.7	4/30	10/18	2.8	4/25	10/11	10.4	7.0
Inn victis	A5284XF	V Early	Xtend/Xtend-Flex	5/7	10/1	6.2	4/30	10/18	2.6	4/25	10/11	5.9	4.9
NK	NK52-V1XF	V Early	Xtend/Xtend-Flex	5/7	10/1	6.5	4/30	10/18	2.4	4/25	10/11	8.0	5.6
NK	NK54-J9XFS	V Early	Xtend/Xtend-Flex	5/7	10/1	21.6	4/30	10/18	1.8	4/25	10/11	4.6	9.3
NK	NK56-Z6XFS	V Early	Xtend/Xtend-Flex	5/7	10/1	10.0	4/30	10/18	1.3	4/25	10/11	23.3	11.5
Pioneer	P53Z60LX	V Early	Xtend/Xtend-Flex	5/7	10/1	2.9	4/30	10/18	2.8	4/25	10/11	7.0	4.2
Progeny	P 5056XFS	V Early	Xtend/Xtend-Flex	5/7	10/1	6.1	4/30	10/18	3.0	4/25	10/11	7.5	5.5
Revere	51-F31	V Early	Xtend/Xtend-Flex	5/7	10/1	4.2	4/30	10/18	2.6	4/25	10/11	5.6	4.1
Revere	53-F84	V Early	Xtend/Xtend-Flex	5/7	10/1	19.6	4/30	10/18	1.3	4/25	10/11	4.2	8.4

Table 80. Summary of Damage Kernel Total (DKT) by Variety for MG V Late Xtend/XtendFlex for the 2024 Mississippi Soybean Variety Trials.

				Raymond (Non-Irrigated)			Stoneville, loam (Irrigated)			Verona (Non-Irrigated)			Average
Brand	Variety	MG	Technology	Planting Date	Harvest Date	DKT %	Planting Date	Harvest Date	DKT %	Planting Date	Harvest Date	DKT %	DKT %
Innvictis	A5813XF	V Late	Xtend/XtendFlex	-	-	-	4/30	10/18	1.9	-	-	-	1.9
Innvictis	A5994XF	V Late	Xtend/XtendFlex	-	-	-	4/30	10/18	4.5	-	-	-	4.5
Progeny	5751XF	V Late	Xtend/XtendFlex	-	-	-	4/30	10/18	1.4	-	-	-	1.4
Revere	5735XFS	V Late	Xtend/XtendFlex	-	-	-	4/30	10/18	2.6	-	-	-	2.6

Table 81. Summary of Damage Kernel Total (DKT) by Variety for MG V Enlist for the 2024 Mississippi Soybean Variety Trials.

				Raymond (Non-Irrigated)			Stoneville, loam (Irrigated)			Verona (Non-Irrigated)			Average
Brand	Variety	MG	Technology	Planting date	Harvest date	DKT %	Planting date	Harvest date	DKT %	Planting date	Harvest date	DKT %	DKT %
Catalyst	CT5293E3	V	Enlist	5/7	10/1	6.5	4/30	10/18	2.7	4/25	10/11	6.8	5.3
Delta Grow	52E30	V	Enlist	5/7	10/1	7.6	4/30	10/18	1.8	4/25	10/11	9.3	6.2
Pioneer	P50Z95E	V	Enlist	5/7	10/1	4.6	4/30	10/18	4.4	4/25	10/11	7.2	5.4

Table 82. Commercial Varieties Entered.

Company		Variety		
Gateway Seed	Gateway Seed Gateway Seed Gateway Seed	457XFS 461XFS 473XFS	Gateway Seed Gateway Seed	479XFS 487XFS
Delta Grow Seed P.O. Box 219 England, AR 72046	Delta Grow Delta Grow Delta Grow Delta Grow Delta Grow Delta Grow	47E70 46XF54STS 43F65STS 53XF95STS 55XF23 52XF90STS 52E30	Delta Grow Delta Grow Delta Grow Delta Grow Delta Grow	49XF85STS 48XF33STS 47XF90STS 48XF80RKN 48XF70STS
Nutrien Ag Solutions/ Dyna-Gro Seed 254 US Hwy 72 West Collierville, TN 38014	Dyna-Gro Dyna-Gro Dyna-Gro	S43XF85S S51XF84 S55XF95	Dyna-Gro Dyna-Gro Dyna-Gro	S47XF23S S49XF43S S48XF35
Great Heart 220 West Washington Street Paris, IL 61944	Great Heart Great Heart Great Heart Great Heart Great Heart Great Heart	GT-4563ES GT-4854ES GT-4632XFS GT-4460XF GT-4538XFS GT-5320XF	Great Heart Great Heart Great Heart Great Heart Great Heart	GT-5417X GT-4756XF GT-4762XF GT-4791XF GT-4867XF
Bayer Crop Science 800 N. Lindbergh Blvd. St. Louis, MO 63167	Asgrow Asgrow Asgrow Asgrow Asgrow	AG44XF4 AG45XF3 AG46XF3 AG39XF3 AG42XF4	Asgrow Asgrow Asgrow	AG53XF2 AG56XF2 AG49XF4
Progeny Ag Products 1529 Hwy 193 Wynne, AR 72396	Progeny Progeny Progeny Progeny Progeny Progeny Progeny	P 4524XFS P 4604XFS P 4623XF P 4691XFS P 5056XFS P 4734XFS P 4798XF	Progeny Progeny Progeny Progeny Progeny Progeny Progeny	P 4806XFS P 4842XFS P 4848XF P 4947XFS P 4724XFS P4824XF P 5751XF
NK Seeds 5210 State Road 945 Hickory, KY 42051	NK NK NK NK	NK43-W1XFS NK46-B4XFS NK52-V1XF NK54-J9XFS	NK NK NK NK	NK56-Z6XFS NK48-A8XFS NK49-N7XF NK49-C2XFS

Table 82. Commercial Varieties Entered.

Company		Variety		
Innvictis Seed	Innvictis Seed	B4904E	Innvictis Seed	A4862XF
	Innvictis Seed	A4503XF	Innvictis Seed	A4924XF
	Innvictis Seed	A4642XF	Innvictis Seed	A4814XF
	Innvictis Seed	A4664XF	Innvictis Seed	A5994XF
	Innvictis Seed	A5124XF	Innvictis Seed	A5813XF
Pioneer Seed	Pioneer	P38Z63E	Pioneer	P47Z15BE
	Pioneer	P40Z57E	Pioneer	P49Z02E
	Pioneer	P43Z44SE	Pioneer	P41Z80BLX
	Pioneer	P45Z75E	Pioneer	P46A90LX
	Pioneer	P50Z95E	Pioneer	P53Z60LX
DONMARIO	DONMARIO	DM46F54S		
	DONMARIO	DM48F53		
Armor Seed	Armor	45-F02		
	Armor	45-F65		
	Armor	46-F15S		
Catalyst Seed	Catalyst	CT5293E3		
Integra Seed	Integra	XF4634S		
	Integra	XF 4875S		
	Integra	XF4914S		
Revere Seed	Revere	44-F44	Revere	49-F36
	Revere	51-F31	Revere	48-F72
	Revere	53-F84	Revere	47-F77
	Revere	4826XFS	Revere	5735XFS
Stine Seed	Stine	46EG92		
	Stine	48EE20		
	Stine	46FD29		
USG Seed	USG	7474XFS		
	USG	7495XFS		



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