

# MISSISSIPPI SOYBEAN

## VARIETY TRIALS, 2023

Information Bulletin 585 • November 2024



**MISSISSIPPI'S OFFICIAL VARIETY TRIALS**



**MISSISSIPPI STATE UNIVERSITY™**  
MS AGRICULTURAL AND  
FORESTRY EXPERIMENT STATION

# NOTE TO USER

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This report contains data generated as part of the Mississippi Agricultural and Forestry Experiment Station research program. Joint sponsorship by the organizations listed on pages 66–67 is gratefully acknowledged.

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Partial funding for this project was provided by the Mississippi Soybean Promotion Board.

# Mississippi Soybean Variety Trials, 2023

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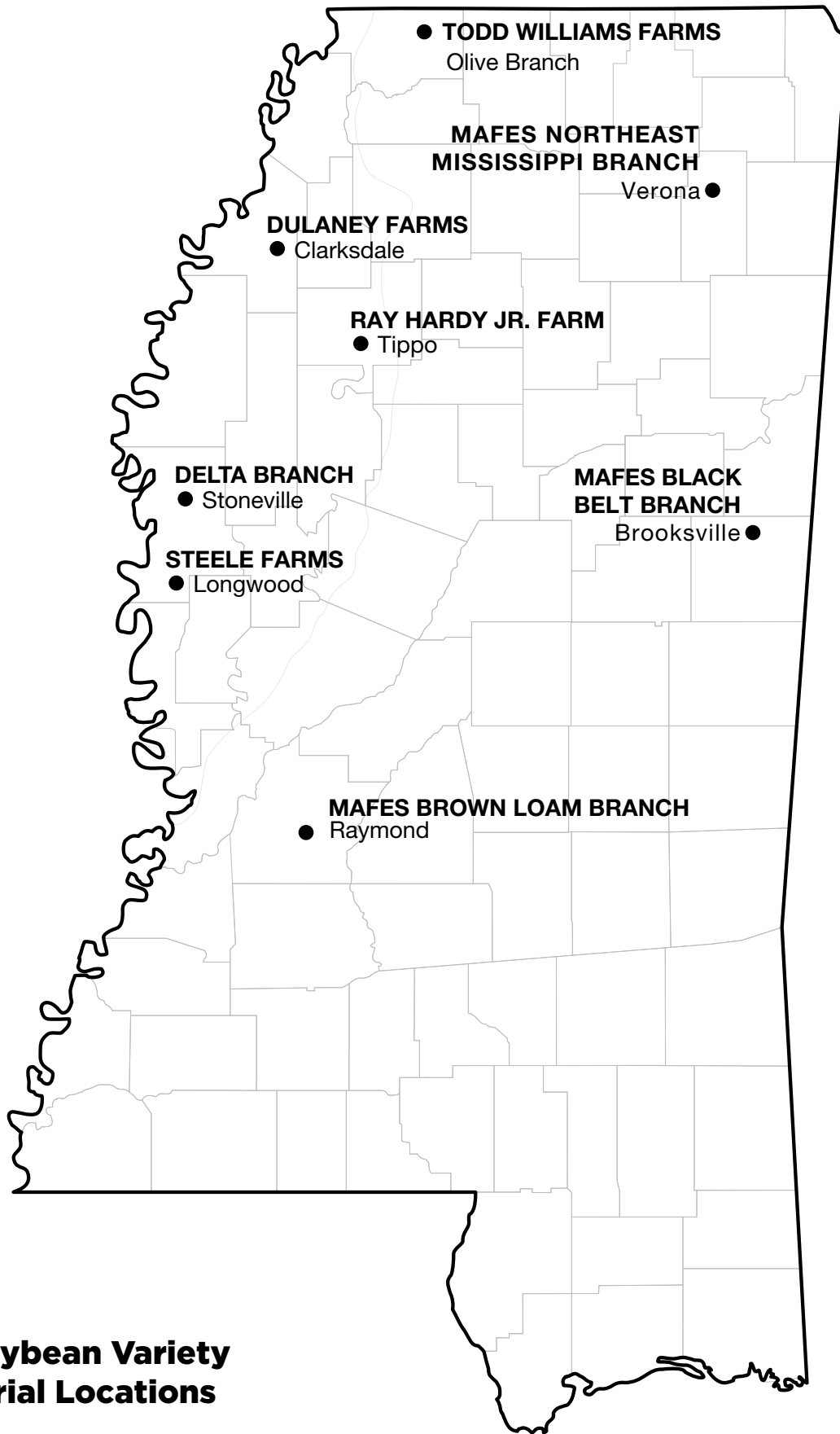
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Find variety trial information online at [mafes.msstate.edu/variety-trials](https://mafes.msstate.edu/variety-trials).



**Soybean Variety  
Trial Locations**

# Mississippi Soybean Variety Trials, 2023

## 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 eight locations in 2023 (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 68 to 72 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

acres 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<sup>2</sup>) 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<sup>2</sup> is a measure of the amount of variation that is explained, or accounted for, in a given trial. For example, an R<sup>2</sup> 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<sup>2</sup> value, the more precise the trial. The R<sup>2</sup> is generally considered to be a better measure of precision than is the CV, for comparison of different trials.

**Table 1. 2023 Soybean OVT planting and harvest dates**

<b>Location</b>	<b>Planting dates</b>	<b>Harvest dates</b>	<b>Soil type</b>	<b>Soil pH</b>	<b>Soil fertility</b>	<b>Row spacing</b>	<b>Irrigation</b>
Brooksville (Non-Irrigated), Black Belt Branch Station	4/24	9/22/(IV's); 10/5(V's)	Brooksville silty clay	6.4	P-M, K-M	19"	None
Brooksville (Irrigated)	4/24	10/5	Brooksville silty clay	6.8	P-H, K-H	30"	Pivot
Clarksdale (Irrigated)	4/18	10/2	Sharkey clay & Forestdale silty clay	6.8	P-H, K-H	30"	furrow
Longwood (Irrigated)	4/25	10/3(IVE); 10/9(IVL,VE,VL)	Sharkey clay	7.1	P-H, K-H	19"	furrow
Olive Branch (Non-Irrigated)	5/16	10/10	Collins silt loam	6.2	P-M, K-M	19"	None
Raymond (Non-Irrigated)	4/25	9/19	Loring silt loam	6.4	P-M, K-M	19"	None
Stoneville-loam (Non-Irrigated), Delta Branch Station	4/19	9/21	Bosket very fine sandy loam	6.0	P-M, K-M	19"	None
Stoneville-clay (Irrigated), Delta Branch Station	4/18	9/21(IV's); 10/9(V's)	Sharkey clay	6.9	P-M, K-H	30"	furrow
Stoneville-loam (Irrigated), Delta Branch Station	4/18	9/21(IV's); 10/9(V's)	Bosket very fine sandy loam	6.0	P-M, K-M	30"	furrow
Tippo (Non-Irrigated)	4/19	9/11	Dundee & Tensas silt loam	6.3	P-M, K-M	19"	None
Verona (Non-Irrigated), Northeast MS Branch Station	4/20	9/25(IV's); 10/10(V's)	Leeper silty clay	6.5	P-M, K-M	19"	None



Table 2a. Summary of Yields for Irrigated Maturity Group IV Early Roundup Ready Xtend and XtendFlex for the 2023 Mississippi Soybean Variety Trials.

Brand	Variety	Brooksville	Clarksdale	Longwood	Stoneville	Stoneville	Irrigated average
		Irr. (clay)	Irr. (clay)	Irr. (clay)	Irr. (loam)	Irr. (clay)	
		bu/A	bu/A	bu/A	bu/A	bu/A	
Armor	44-D49	108.5	92.6	112.0	76.7	73.0	92.6
Armor	45-F02	104.2	83.4	96.4	73.3	71.9	85.9
Armor	46-F96	100.0	90.4	106.5	79.3	69.0	89.0
Asgrow	AG39XF3	78.7	69.8	89.1	71.6	59.4	73.7
Asgrow	AG45XF3	109.4	78.6	107.8	76.4	70.2	88.5
Asgrow	AG46XF3	107.9	90.6	113.5	81.3	77.7	94.2
Beck's	4337XF	102.5	94.0	97.9	69.1	70.9	86.9
Delta Grow	44XF75/STS	93.2	79.9	108.6	75.7	61.0	83.7
Delta Grow	46X65/STS	101.6	87.6	118.7	73.5	75.3	91.3
Delta Grow	46XF54	112.6	96.6	113.2	75.2	80.1	95.5
Don Mario	DM45F23	99.9	96.4	120.7	73.9	73.2	92.8
Dyna-Gro	S42XF93S	93.1	90.3	113.4	81.8	77.3	91.2
Dyna-Gro	S46XF31S	95.3	92.6	106.1	82.3	69.9	89.2
Gateway Seed	457XFS	111.9	102.5	122.1	73.9	83.7	98.8
Gateway Seed	461XFS	101.3	84.0	134.3	72.1	66.6	91.7
Gateway Seed	469XF	99.6	82.8	116.5	78.0	70.2	89.4
Great Heart	GT-4677XS	95.8	76.6	109.8	75.9	73.5	86.3
Great Heart	GT-4366XFS	86.9	84.6	87.1	67.3	75.7	80.3
Great Heart	GT-4538XFS	113.6	91.3	124.8	72.7	71.0	94.7
Great Heart	GT-4681XFS	97.7	81.9	117.7	81.1	67.7	89.2
NK Brand	NK42-T5XF	102.6	94.9	124.0	79.1	73.3	94.8
NK Brand	NK43-Y9XFS	92.8	76.1	117.2	78.5	62.2	85.4
NK Brand	NK44-J4XFS	90.2	86.6	113.1	70.4	65.7	85.2
NK Brand	NK46-B4XFS	101.1	87.2	131.3	77.5	70.4	93.5
Pioneer	P44A21X	100.3	93.4	119.2	74.8	76.2	92.8
Progeny	4623XFS	99.6	98.0	105.0	74.0	81.6	91.6
Progeny	4665XFS	108.8	84.0	112.1	80.6	75.9	92.3
Progeny	4604XFS	105.5	91.7	106.1	71.7	70.0	89.0
Progeny	4691XFS	106.7	91.5	101.9	74.9	71.8	89.4
Revere Seed	4415XF	100.4	84.1	109.2	80.5	77.8	90.4
Revere Seed	4526XF	99.9	84.3	107.6	78.6	72.1	88.5
Revere Seed	4606XFS	97.7	93.1	107.9	81.8	74.0	90.9
Mean		100.6	87.9	111.6	76.0	72.1	89.6
CV		7.8	10.0	10.0	5.8	6.6	
R <sup>2</sup>		60	65	60	69	75	
LSD		12.8	14.0	19.0	7.3	7.8	
Error DF		64	64	64	64	64	

Table 2b. Summary of Yields for Non-Irrigated Maturity Group IV Early Roundup Ready Xtend and XtendFlex for the 2023 Mississippi Soybean Variety Trials.

Brand	Variety	Brooksville	Olive Branch	Raymond	Stoneville	Tippo	Verona	Non-Irr.	Overall	
		Non-Irr.	Non-Irr.	Non-Irr.	Non-Irr.	Non-Irr.	Non-Irr.	Non-Irr.	average	average
		bu/A	bu/A	bu/A	bu/A	bu/A	bu/A	bu/A	bu/A	
Armor	44-D49	70.2	70.6	38.9	58.3	29.3	74.8	57.0	73.2	
Armor	45-F02	73.2	66.8	34.0	65.6	33.3	82.3	59.2	71.3	
Armor	46-F96	81.5	70.1	42.8	76.3	37.1	87.5	65.9	76.4	
Asgrow	AG39XF3	66.1	74.3	34.8	71.8	30.2	64.6	57.0	64.6	
Asgrow	AG45XF3	87.1	61.1	33.4	67.2	30.8	77.6	59.5	72.7	
Asgrow	AG46XF3	87.1	71.0	40.8	73.1	35.1	79.0	64.4	77.9	
Beck's	4337XF	75.1	73.1	36.0	72.0	30.2	68.7	59.2	71.8	
Delta Grow	44XF75/STS	70.3	73.8	38.1	79.3	30.1	64.1	59.3	70.4	
Delta Grow	46X65/STS	86.2	73.9	37.1	73.3	29.8	82.8	63.8	76.3	
Delta Grow	46XF54	88.6	86.4	33.8	69.2	39.4	88.4	67.6	80.3	
Don Mario	DM45F23	80.1	71.1	30.2	69.7	36.6	83.2	61.8	75.9	
Dyna-Gro	S42XF93S	63.2	66.7	32.9	73.6	41.2	83.6	60.2	74.3	
Dyna-Gro	S46XF31S	84.3	71.4	31.7	69.7	40.7	85.8	63.9	75.4	
Gateway Seed	457XFS	86.8	76.9	44.9	74.9	39.9	94.8	69.7	82.9	
Gateway Seed	461XFS	71.1	69.9	36.4	72.4	33.8	76.1	59.9	74.4	
Gateway Seed	469XF	81.2	75.2	42.1	74.6	34.6	87.2	65.8	76.6	
Great Heart	GT-4677XS	75.7	65.5	39.0	71.6	26.5	83.2	60.2	72.1	
Great Heart	GT-4366XFS	71.3	66.4	38.4	64.6	37.9	73.0	58.6	68.5	
Great Heart	GT-4538XFS	76.0	79.6	35.1	76.5	38.2	92.0	66.2	79.2	
Great Heart	GT-4681XFS	75.6	63.8	33.6	62.2	34.3	80.0	58.3	72.3	
NK Brand	NK42-T5XF	67.8	77.8	41.5	80.7	28.1	75.3	61.9	76.8	
NK Brand	NK43-Y9XFS	71.4	82.5	36.0	76.3	33.0	74.6	62.3	72.8	
NK Brand	NK44-J4XFS	72.2	80.4	26.7	81.6	30.5	68.5	60.0	71.4	
NK Brand	NK46-B4XFS	77.9	74.3	33.6	80.8	39.1	79.0	64.1	77.5	
Pioneer	P44A21X	88.8	77.1	39.0	89.8	29.9	81.6	67.7	79.1	
Progeny	4623XFS	78.3	71.8	45.3	66.3	38.2	84.5	64.1	76.6	
Progeny	4665XFS	85.4	74.6	42.8	75.3	43.9	91.4	68.9	79.5	
Progeny	4604XFS	72.3	70.9	34.7	68.8	36.0	76.3	59.9	73.1	
Progeny	4691XFS	72.2	71.2	30.6	82.5	32.1	69.8	59.7	73.2	
Revere Seed	4415XF	80.9	75.1	41.3	73.4	37.6	89.9	66.4	77.3	
Revere Seed	4526XF	73.5	75.6	35.5	64.4	28.7	84.7	60.4	73.2	
Revere Seed	4606XFS	77.3	66.7	41.6	74.3	38.0	87.9	64.3	76.4	
Mean		77.2	72.7	37.0	72.8	34.5	80.4	62.4	74.8	
CV		8.8	11.5	16.0	13.0	11.0	8.1			
R <sup>2</sup>		67	40	70	72	73	73			
LSD		11.0	NS	NS	15.4	6.3	10.6			
Error DF		64	64	64	64	64	64			

Table 3. Summary of 2-Year Yields for Maturity Group IV Early Roundup Ready Xtend and XtendFlex for the 2022 and 2023 Mississippi Soybean Variety Trials.

Brand	Variety	Brooksville	Clarksdale	Stoneville	Stoneville	Brooksville	Olive Branch	Raymond	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. (clay)	average
		bu/A	bu/A	bu/A	bu/A	bu/A	bu/A	bu/A	bu/A	bu/A	bu/A	bu/A
Armor	44-D49	88.2	94.2	80.5	72.3	44.5	82.3	61.6	77.0	36.3	72.1	70.9
Armor	45-F02	91.4	87.2	81.7	77.9	45.1	83.4	60.3	82.1	39.1	74.9	72.3
Armor	46-F96	86.9	91.8	82.7	76.6	48.7	80.7	59.4	86.4	35.7	82.5	73.1
Asgrow	AG45XF3	95.1	86.2	81.2	77.2	56.1	77.5	46.0	82.8	40.4	73.6	71.6
Asgrow	AG46XF3	91.6	96.0	81.8	83.3	59.3	81.4	64.5	88.5	44.8	76.4	76.8
Delta Grow	46X65/STS	85.2	92.1	72.1	77.5	54.7	80.7	53.0	85.5	40.1	79.2	72.0
Dyna-Gro	S46XF31S	83.7	94.5	82.3	73.3	50.6	78.9	51.4	80.8	40.7	76.4	71.3
Gateway Seed	469XF	87.5	92.8	82.4	76.8	48.5	82.4	64.7	84.2	36.2	78.7	73.4
Great Heart	GT-4677XS	83.8	87.9	81.1	78.8	50.0	79.2	54.4	83.7	36.3	75.0	71.0
Great Heart	GT-4681XFS	86.3	89.9	82.3	75.6	48.0	74.7	53.7	80.7	40.5	72.4	70.4
NK Brand	NK42-T5XF	82.7	93.7	82.9	75.2	41.3	85.6	55.3	90.2	35.7	67.5	71.0
NK Brand	NK43-Y9XFS	75.8	79.8	79.3	66.9	44.5	86.8	53.5	82.6	34.5	65.0	66.9
NK Brand	NK44-J4XFS	73.5	85.1	79.2	70.7	41.7	84.0	42.8	86.1	34.0	58.3	65.5
Progeny	4604XFS	89.4	96.6	74.8	78.0	43.1	81.3	57.4	86.0	41.0	72.0	71.9
Progeny	4691XFS	89.5	98.5	78.7	78.8	45.0	80.0	46.6	91.4	36.0	65.8	71.0
Revere Seed	4415XF	86.5	90.7	87.4	84.4	53.9	87.6	64.6	89.3	46.0	81.1	77.2
Revere Seed	4526XF	91.4	87.4	81.0	78.9	51.4	84.8	49.1	82.0	40.2	75.8	72.2
Revere Seed	4606XFS	88.7	95.3	82.6	80.1	48.0	81.8	54.2	87.3	44.8	80.9	74.4
Overall Mean		86.5	91.1	80.8	76.8	48.6	81.8	55.1	84.8	39.0	73.7	71.8

Table 4. Summary of 3-Year Yields for Maturity Group IV Early Roundup Ready Xtend and XtendFlex for the 2021, 2022 & 2023 Mississippi Soybean Variety Trials.

Brand	Variety	Brooks-ville	Clarksdale	Stoneville	Stoneville	Raymond	Olive Branch	Stoneville	Tippo	Verona	Overall
		Irr. (clay)	Irr. (clay)	Irr. (loam)	Irr. (clay)	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
Armor	44-D49	83.0	90.1	81.9	76.8	83.1	87.4	82.4	41.5	74.5	77.9
Delta Grow	46X65/STS	81.3	84.4	76.6	79.8	74.8	85.2	92.4	39.4	80.6	77.2
Dyna-Gro	S46XF31S	79.0	85.5	84.5	75.1	70.4	85.7	87.8	42.4	75.9	76.2
Great Heart	GT-4677XS	79.8	82.1	80.1	77.6	73.4	83.1	83.0	38.0	79.9	75.2
Great Heart	GT-4681XFS	79.1	82.4	82.9	73.9	75.9	81.9	83.4	42.2	72.4	74.9
Progeny	4604XFS	83.5	87.0	81.0	81.0	76.6	85.4	93.1	43.2	74.5	78.4
Revere Seed	4415XF	80.2	84.6	85.2	83.6	78.5	88.1	92.2	48.4	80.6	80.1
Overall Mean		80.8	85.2	81.7	78.2	76.1	85.3	87.7	42.2	76.9	77.1

Table 5a. Summary of Yields for Irrigated Maturity Group IV Late Roundup Ready Xtend and XtendFlex for the 2023 Mississippi Soybean Variety Trials.

Brand	Variety	Brooksville	Clarksdale	Longwood	Stoneville	Stoneville	Irrigated average
		Irr. (clay)	Irr. (clay)	Irr. (clay)	Irr. (loam)	Irr. (clay)	
		bu/A	bu/A	bu/A	bu/A	bu/A	
Asgrow	AG47XF2	93.0	75.9	110.7	81.1	73.6	86.9
Asgrow	AG48X9	98.2	83.7	115.6	78.1	73.4	89.8
Asgrow	AG48XF2	85.1	79.3	114.0	75.8	73.0	85.4
Asgrow	AG48XF3	101.3	79.0	107.6	74.6	73.8	87.2
Asgrow	AG49XF4	102.1	76.7	110.4	82.4	76.3	89.6
Beck's	4887XF	99.4	83.9	104.5	66.5	69.9	84.8
Delta Grow	47XF38	97.8	83.4	112.5	69.0	67.6	86.1
Delta Grow	48X45	98.7	88.3	116.0	80.7	75.3	91.8
Delta Grow	48XF33	98.5	80.5	122.9	67.8	72.8	88.5
Delta Grow	48XF42	95.5	80.6	114.0	79.6	78.8	89.7
Delta Grow	49XF85/STS	91.2	71.5	122.4	77.2	74.0	87.2
Don Mario	DM48F53	91.8	81.7	121.7	82.4	74.1	90.3
Dyna-Gro	S47XF23S	82.7	79.1	107.7	67.9	73.7	82.2
Dyna-Gro	S49XF43S	103.3	93.1	125.5	80.6	80.9	96.7
Dyna-Gro	S49XF82S	100.9	76.3	116.3	67.9	68.4	85.9
Gateway Seed	473XFS	101.4	85.4	113.3	70.1	72.4	88.5
Great Heart	GT-4756XF	92.8	79.0	116.9	74.0	74.1	87.3
Great Heart	GT-4762XF	96.5	74.8	126.7	72.0	68.6	87.7
Great Heart	GT-4867XF	82.5	78.6	110.1	76.9	72.6	84.2
Innvictis	A4862XF	87.0	86.3	122.6	81.1	75.1	90.4
NK Brand	NK47-Z1XF	98.0	82.0	111.1	74.0	77.1	88.5
NK Brand	NK48-A8XFS	108.6	74.6	126.4	70.1	67.8	89.5
NK Brand	NK49-C2XFS	105.8	73.9	127.0	82.5	78.7	93.6
Pioneer	P47A64X	110.0	80.9	118.8	85.0	75.4	94.0
Progeny	4755XFS	98.9	84.7	99.5	66.9	70.6	84.1
Progeny	4778XFS	97.4	76.0	104.8	67.9	71.4	83.5
Progeny	4947XFS	110.0	93.3	119.7	81.1	82.9	97.4
Progeny	4798XF	100.5	86.1	101.0	67.1	71.5	85.3
Progeny	4806XFS	97.0	83.9	125.3	79.4	77.9	92.7
Revere Seed	4934XF	101.2	85.3	109.0	73.6	75.8	89.0
Revere Seed	4731XS	97.6	94.6	118.0	69.1	80.2	91.9
Revere Seed	4727XF	91.5	80.3	102.4	71.9	64.3	82.1
Revere Seed	4795XS	99.1	84.3	134.1	73.6	75.2	93.3
Revere Seed	4826XFS	101.8	84.9	124.1	73.2	86.5	94.1
Mean		97.6	81.8	115.7	74.7	74.2	88.8
CV		7.5	10.2	10.0	7.2	6.9	
R <sup>2</sup>		59.0	54.0	49.0	63.0	66.0	
LSD		12	NS	19	8.8	8.4	
Error DF		66	66	66	66	66	

Table 5b. Summary of Yields for Non-Irrigated Maturity Group IV Late Roundup Ready Xtend and XtendFlex for the 2023 Mississippi Soybean Variety Trials

Brand	Variety	Brooksville	Olive Branch	Raymond	Stoneville	Tippo	Verona	Non-Irrigated	Overall
		Non-Irr.	Non-Irr.	Non-Irr.	Non-Irr.	Non-Irr.	Non-Irr.	average	average
		(clay)	(loam)	(loam)	(loam)	(loam)	(clay)		
		bu/A	bu/A	bu/A	bu/A	bu/A	bu/A	bu/A	bu/A
Asgrow	AG47XF2	69.9	67.3	40.0	67.4	32.1	71.8	58.1	71.2
Asgrow	AG48X9	86.9	71.5	39.9	66.4	33.3	87.6	64.2	75.9
Asgrow	AG48XF2	68.8	71.1	37.6	72.8	33.8	69.2	58.9	71.0
Asgrow	AG48XF3	80.8	67.9	38.3	68.9	31.9	84.7	62.1	73.5
Asgrow	AG49XF4	73.4	83.0	37.5	68.6	36.9	78.4	63.0	75.1
Beck's	4887XF	72.1	74.5	28.6	64.8	33.8	76.1	58.3	70.4
Delta Grow	47XF38	70.3	75.1	34.3	64.7	28.8	66.4	56.6	70.0
Delta Grow	48X45	79.7	71.2	31.2	69.6	33.7	83.0	61.4	75.2
Delta Grow	48XF33	67.3	60.5	43.1	65.8	35.3	82.0	59.0	72.4
Delta Grow	48XF42	74.5	72.2	41.9	55.7	27.4	86.7	59.7	73.3
Delta Grow	49XF85/STS	69.4	74.1	25.5	59.6	28.5	78.8	56.0	70.2
Don Mario	DM48F53	77.4	70.4	37.0	72.0	31.0	74.1	60.3	74.0
Dyna-Gro	S47XF23S	65.2	71.1	32.4	73.8	32.7	88.2	60.5	70.4
Dyna-Gro	S49XF43S	77.2	80.9	34.8	62.7	32.9	88.5	62.8	78.2
Dyna-Gro	S49XF82S	80.8	72.1	23.2	62.9	34.4	87.8	60.2	71.9
Gateway Seed	473XFS	79.0	76.1	28.2	55.8	39.8	76.1	59.2	72.5
Great Heart	GT-4756XF	72.7	67.6	37.6	57.3	27.7	74.2	56.2	70.4
Great Heart	GT-4762XF	79.2	71.3	31.9	70.9	31.9	91.9	62.8	74.2
Great Heart	GT-4867XF	58.1	74.4	29.5	68.3	32.5	65.2	54.7	68.1
Innkvictis	A4862XF	62.9	74.0	39.8	73.8	37.2	67.1	59.1	73.4
NK Brand	NK47-Z1XF	81.8	74.6	39.2	69.4	41.3	82.2	64.8	75.5
NK Brand	NK48-A8XFS	86.6	79.2	27.8	72.8	40.4	87.6	65.7	76.5
NK Brand	NK49-C2XFS	80.6	78.4	31.0	74.9	33.0	84.1	63.7	77.3
Pioneer	P47A64X	80.5	86.0	32.8	75.4	32.7	91.8	66.5	79.0
Progeny	4755XFS	68.2	81.7	25.8	67.6	30.6	73.2	57.8	69.8
Progeny	4778XFS	82.1	68.8	28.0	64.9	29.6	82.2	59.3	70.3
Progeny	4947XFS	90.8	82.0	40.5	84.5	33.7	101.1	72.1	83.6
Progeny	4798XF	83.1	73.0	27.1	66.9	27.4	92.8	61.7	72.4
Progeny	4806XFS	76.4	71.2	34.2	82.8	39.5	85.9	65.0	77.6
Revere Seed	4934XF	85.9	74.0	43.6	73.6	37.5	99.4	69.0	78.1
Revere Seed	4731XS	71.0	77.5	43.9	67.5	36.8	90.0	64.5	76.9
Revere Seed	4727XF	70.2	72.4	39.4	58.0	30.1	79.7	58.3	69.1
Revere Seed	4795XS	85.4	72.2	33.0	67.6	30.1	87.3	62.6	76.5
Revere Seed	4826XFS	87.4	72.2	38.8	70.9	30.0	87.0	64.4	77.9
Mean		76.3	73.8	34.6	68.2	33.2	82.4	61.4	73.9
CV		9.9	8.6	16.9	11.6	12.3	7.3		
R <sup>2</sup>		63.0	53.0	69.0	77.0	60.0	78.0		
LSD		12.4	10.3	9.5	12.9	6.6	9.8		
Error DF		66	66	66	66	66	66		

**Table 6. Summary of 2-Year Yields for Maturity Groups IV Late Roundup Ready Xtend for the 2022 and 2023 Mississippi Soybean Variety Trials.**

Brand	Variety	Brooksville	Clarksdale	Stoneville	Stoneville	Brooksville	Olive Branch	Raymond	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
Asgrow	AG48XF3	86.5	86.7	78.9	76.3	53.2	76.2	55.4	83.1	40.0	80.0	71.6	
Delta Grow	48X45	82.5	91.0	76.6	76.0	50.8	78.4	51.6	75.1	38.4	76.5	69.7	
Delta Grow	48XF33	83.2	85.2	69.4	71.1	42.9	72.7	65.2	74.3	40.6	71.3	67.6	
Dyna-Gro	S47XF23S	77.2	90.6	77.3	75.5	45.0	80.2	50.6	85.4	38.2	75.3	69.5	
Dyna-Gro	S49XF82S	93.0	85.0	73.1	70.7	57.2	74.0	54.8	71.3	36.7	75.7	69.1	
Great Heart	GT-4756XF	84.9	92.2	78.8	76.4	47.6	79.5	52.9	77.3	35.8	69.0	69.4	
Great Heart	GT-4762XF	88.0	88.4	77.4	73.0	54.1	77.7	62.1	82.1	36.9	85.8	72.6	
NK Brand	NK47-Z1XF	93.8	85.5	75.7	76.4	51.9	79.2	59.6	79.4	44.8	79.3	72.6	
Progeny	4798XF	91.4	89.2	74.7	73.1	51.4	80.0	53.1	81.6	39.9	83.7	71.8	
Progeny	4806XFS	76.6	90.7	83.2	80.5	48.4	78.5	54.7	93.9	37.5	68.3	71.2	
Revere Seed	4727XF	82.4	91.4	77.4	70.8	49.1	77.3	60.9	71.5	36.7	70.8	68.8	
Revere Seed	4795XS	84.7	89.5	79.8	77.5	53.1	82.5	58.0	81.2	40.3	77.6	72.4	
Revere Seed	4826XFS	88.4	93.8	75.4	81.0	56.7	80.4	60.5	81.1	35.7	78.7	73.2	
Overall Mean		85.6	89.2	76.7	75.3	50.9	78.2	56.9	79.8	38.6	76.3	70.7	

**Table 7. Summary of 3-Year Yields for Maturity Group IV Late Roundup Ready Xtend for the 2021, 2022 & 2023 Mississippi Soybean Variety Trials.**

Brand	Variety	Brooksville	Clarksdale	Stoneville	Stoneville	Brooksville	Olive Branch	Raymond	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	48X45	76.6	84.3	80.5	78.9	61.2	82.4	70.5	82.9	41.9	75.9	73.5	
Progeny	4806XFS	73.0	84.6	84.5	83.5	57.6	81.7	76.3	92.1	42.7	71.7	74.8	
Revere Seed	4795XS	77.8	82.9	81.7	79.5	62.2	87.1	80.3	84.1	43.2	74.9	75.4	
Overall Mean		75.8	83.9	82.2	80.7	60.3	83.7	75.7	86.4	42.6	74.2	74.5	

Table 8. Summary of Yields for Maturity Group IV Enlist for the 2023 Mississippi Soybean Variety Trials.

Brand	Variety	Brooksville	Stoneville	Stoneville	Irr.	Brooksville	Olive Branch	Raymond	Stoneville	Verona	Non-Irr.	Overall
		Irr.	Irr.	Irr.	average	Non-Irr.	Non-Irr.	Non-Irr.	Non-Irr.	Non-Irr.	Non-Irr.	average
		(clay)	(loam)	(clay)		(clay)	(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
Delta Grow	48E59	102.9	79.2	52.7	78.3	70.0	73.7	41.0	77.1	70.9	66.6	63.1
Delta Grow	46E10	95.5	69.8	37.9	67.8	69.5	60.5	35.6	55.3	69.4	58.1	54.8
Delta Grow	46E30	96.1	84.6	50.3	77.0	71.5	74.8	39.7	68.7	64.6	63.8	61.1
Delta Grow	49E30/STS	104.1	86.5	56.9	82.5	83.8	74.0	38.1	61.9	73.8	66.3	64.3
Delta Grow	49E80	110.8	83.6	40.6	78.3	74.0	69.4	30.6	63.4	63.0	60.1	59.5
Innvictis	B4903E	102.0	89.5	49.2	80.2	79.3	78.1	49.1	66.3	68.2	68.2	64.6
Innvictis	B5013E	96.8	81.8	57.1	78.6	85.4	71.3	37.0	74.6	65.4	66.7	63.3
Mean		101.2	82.2	49.2	77.5	76.2	71.7	38.7	66.8	67.9	64.3	61.5
CV		5.9	8.7	12.7		13.5	8.7	21.7	8.1	9.7		
R <sup>2</sup>		56.0	69.0	69.0		39.0	58.0	58.0	88.0	72.0		
LSD		NS	NS	11.16		NS	11	NS	9.6	NS		
Error DF		12	12	12		12	12	12	12	12		

Table 9. Summary of 2-Year Yields for Maturity Group IV Enlist for the 2022 and 2023 Mississippi Soybean Variety Trials.

Brand	Variety	Brooksville	Stoneville	Stoneville	Brooksville	Olive Branch	Raymond	Stoneville	Verona	Overall
		Irr.	Irr.	Irr.	Non-Irr.	Non-Irr.	Non-Irr.	Non-Irr.	Non-Irr.	average
		(clay)	(loam)	(clay)	(clay)	(loam)	(loam)	(loam)	(clay)	
		bu/A	bu/A	bu/A	bu/A	bu/A	bu/A	bu/A	bu/A	bu/A
Delta Grow	48E59	78.6	78.6	59.0	42.8	74.9	58.9	78.8	71.0	67.8
Delta Grow	46E10	73.1	66.6	48.0	42.0	65.6	58.3	63.1	62.5	59.9
Overall Mean		75.9	72.6	53.5	42.4	70.2	58.6	71.0	66.8	63.9

Table 10. Summary of 3-Year Yields for Maturity Group IV Enlist for 2021, 2022, and 2023 Mississippi Soybean Variety Trials.

Brand	Variety	Brooksville	Stoneville	Stoneville	Brooksville	Olive Branch	Raymond	Stoneville	Verona	Overall
		Irr.	Irr.	Irr.	Non-Irr.	Non-Irr.	Non-Irr.	Non-Irr.	Non-Irr.	average
		(clay)	(loam)	(clay)	(clay)	(loam)	(loam)	(loam)	(clay)	
		bu/A	bu/A	bu/A	bu/A	bu/A	bu/A	bu/A	bu/A	bu/A
Delta Grow	48E59	70.2	81.7	63.4	52.4	77.5	76.3	82.5	69.8	71.7
Delta Grow	46E10	69.0	70.9	52.4	50.8	71.2	69.7	67.7	60.1	64.0
Overall Mean		69.6	76.3	57.9	51.6	74.3	73.0	75.1	64.9	67.8



Table 11a. Summary of Yields for Irrigated Maturity Group V Early Roundup Ready Xtend and XtendFlex for the 2023 Mississippi Soybean Variety Trials.

Brand	Variety	Brooksville	Clarksdale	Longwood	Stoneville	Stoneville	Irrigated average
		Irr. (clay)	Irr. (clay)	Irr. (clay)	Irr. (loam)	Irr. (clay)	
		bu/A	bu/A	bu/A	bu/A	bu/A	bu/A
Asgrow	AG53XF2	100.9	82.8	103.5	74.9	60.6	84.5
Asgrow	AG56XF2	105.9	81.6	117.1	77.1	64.6	89.2
Delta Grow	52XF22/STS	98.2	83.2	98.0	78.3	73.1	86.2
Delta Grow	53XF95/STS	101.8	84.3	111.9	75.4	74.2	89.5
Delta Grow	55X25	102.2	78.4	113.4	65.2	71.5	86.2
Delta Grow	55XF23	74.4	65.5	74.8	51.4	45.1	62.2
Dyna-Gro	S52XT91	106.1	84.3	107.9	79.0	80.5	91.6
Great Heart	GT-5214X	94.1	70.4	91.4	58.7	56.4	74.2
Great Heart	GT-5320XF	101.8	72.5	106.0	71.4	70.5	84.4
Great Heart	GT-5417X	103.5	83.6	114.2	80.6	78.3	92.0
Inn victis	A5003XF	96.0	83.7	112.6	72.4	70.5	87.1
NK Brand	NK52-V1XF	103.4	83.6	113.7	77.1	72.8	90.1
NK Brand	NK54-J9XFS	101.4	80.7	99.6	59.0	63.0	80.7
NK Brand	NK56-Z6XFS	101.0	75.0	92.3	57.6	58.1	76.8
Pioneer	P50A08LX	90.8	84.2	99.3	79.6	77.3	86.2
Pioneer	P53A67X	107.2	82.1	110.0	73.1	73.4	89.2
Progeny	5441XF	82.5	63.8	85.1	47.5	62.3	68.2
Progeny	5641XF	105.6	63.1	87.6	60.4	53.9	74.1
Progeny	5056XFS	102.5	84.3	100.9	76.1	79.5	88.7
Revere Seed	5029XF	101.8	86.8	105.2	65.8	80.8	88.1
Mean		99.0	78.7	102.2	69.0	68.3	83.5
CV		6.6	9.6	7.6	10.9	8.7	
R <sup>2</sup>		72	67	76	73	81	
LSD		10.9	12.5	12.8	12.4	9.8	
Error DF		38	38	38	38	38	

Table 11b. Summary of Yields for Non-Irrigated Maturity Group V Early Roundup Ready Xtend and XtendFlex for the 2023 Mississippi Soybean Variety Trials.

Brand	Variety	Brooksville	Olive Branch	Raymond	Verona	Non-Irr.	Overall
		Non-Irr. (clay)	Non-Irr. (loam)	Non-Irr. (loam)	Non-Irr. (clay)	average	average
		bu/A	bu/A	bu/A	bu/A	bu/A	bu/A
Asgrow	AG53XF2	70.3	64.6	40.1	67.5	60.6	73.9
Asgrow	AG56XF2	82.0	73.3	38.9	80.1	68.6	80.1
Delta Grow	52XF22/STS	67.8	71.5	30.9	66.2	59.1	74.1
Delta Grow	53XF95/STS	74.8	64.6	35.0	50.1	56.1	74.7
Delta Grow	55X25	82.3	67.8	36.4	78.6	66.3	77.3
Delta Grow	55XF23	42.8	71.2	15.6	60.7	47.6	55.7
Dyna-Gro	S52XT91	78.6	72.4	35.8	74.7	65.4	79.9
Great Heart	GT-5214X	77.0	61.1	32.5	76.1	61.7	68.6
Great Heart	GT-5320XF	76.2	70.1	26.2	66.2	59.7	73.4
Great Heart	GT-5417X	72.6	69.8	36.1	74.9	63.4	79.3
Innactivis	A5003XF	77.7	61.9	33.3	53.7	56.7	73.5
NK Brand	NK52-V1XF	79.5	72.7	31.0	67.6	62.7	77.9
NK Brand	NK54-J9XF5	91.3	74.1	31.2	103.0	74.9	78.1
NK Brand	NK56-Z6XF5	77.6	70.5	34.6	67.8	62.6	70.5
Pioneer	P50A08LX	65.2	73.3	20.3	52.7	52.8	71.4
Pioneer	P53A67X	83.8	73.0	41.8	77.6	69.1	80.2
Progeny	5441XF	88.3	71.0	24.8	87.2	67.8	68.1
Progeny	5641XF	72.3	64.0	21.0	99.8	64.3	69.7
Progeny	5056XF5	80.4	77.5	34.9	81.9	68.7	79.8
Revere Seed	5029XF	77.6	79.4	39.2	81.7	69.5	79.8
Mean		75.9	70.2	32.0	73.4	62.9	74.3
CV		10.6	9.0	19.0	10.7		
R <sup>2</sup>		70	46	72	86		
LSD		13.3	10.5	10.2	13		
Error DF		38	38	38	38		

**Table 12. Summary of 2-Year Yields for Maturity Group V Early Roundup Ready Xtend and XtendFlex for the 2022 and 2023 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	bu/A
Asgrow	AG53XF2	79.0	89.7	76.1	65.8	47.0	73.0	56.5	68.8	69.5
Asgrow	AG56XF2	94.6	83.7	80.0	70.3	56.6	80.9	61.5	81.2	76.1
Delta Grow	52XF22/STS	75.2	93.6	80.8	76.6	44.1	71.8	57.1	73.8	71.6
Dyna-Gro	S52XT91	88.4	89.6	83.1	78.9	54.2	82.3	54.8	73.8	75.6
Great Heart	GT-5214X	96.5	72.1	63.7	55.3	54.7	70.3	59.8	77.6	68.7
Progeny	5056XFS	91.0	93.2	77.5	79.2	53.5	83.1	58.3	81.4	77.2
Revere Seed	5029XF	88.7	94.6	70.7	81.4	50.6	85.4	62.1	82.1	77.0
Overall Mean		87.6	88.1	76.0	72.5	51.5	78.1	58.6	77.0	73.7

**Table 13. Summary of 3-Year Yields for Maturity Group V Early Roundup Ready Xtend and XtendFlex for the 2021, 2022, and 2023 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	bu/A
Asgrow	AG53XF2	73.4	82.0	75.3	64.7	55.0	77.2	72.3	68.7	71.1
Asgrow	AG56XF2	89.7	73.4	79.9	69.1	69.5	81.8	81.7	86.6	79.0
Dyna-Gro	S52XT91	85.7	79.9	82.4	74.1	59.5	86.1	74.9	73.6	77.0
Great Heart	GT-5214X	90.4	66.1	62.5	57.8	63.5	68.6	77.2	80.4	70.8
Overall Mean		84.8	75.3	75.1	66.4	61.9	78.4	76.5	77.3	74.5

Table 14a. Summary of Yields for Irrigated Maturity Group V Late Roundup Ready Xtend and XtendFlex for the 2023 Mississippi Soybean Variety Trials.

Brand	Variety	Brooksville	Clarksdale	Longwood	Stoneville	Stoneville	Irr. average
		Irr. (clay)	Irr. (clay)	Irr. (clay)	Irr. (loam)	Irr. (clay)	
		bu/A	bu/A	bu/A	bu/A	bu/A	bu/A
Inn victis	A5813XF	73.9	63.8	66.9	56.2	44.6	61.1
Progeny	5751XF	70.3	58.8	68.9	55.3	52.4	61.1
Mean		72.1	61.3	67.9	55.7	48.5	61.1
CV		7.5	9.3	9.4	6.2	11.0	
R <sup>2</sup>		39	50	16	86	74	
LSD		NS	NS	NS	NS	NS	
Error DF		2	2	2	2	2	

Table 14b. Summary of Yields for Non-Irrigated Maturity Group V Late Roundup Ready Xtend and XtendFlex for the 2023 Mississippi Soybean Variety Trials.

Brand	Variety	Brooksville	Olive Branch	Raymond	Verona	Non-Irr. average	Overall average
		Non-Irr. (clay)	Non-Irr. (loam)	Non-Irr. (loam)	Non-Irr. (clay)		
		bu/A	bu/A	bu/A	bu/A	bu/A	bu/A
Inn victis	A5813XF	104.0	69.1	20.2	60.9	63.5	62.2
Progeny	5751XF	104.7	77.0	21.9	62.5	66.5	63.5
Mean		104.3	73.0	21.0	61.7	65.0	62.9
CV		2.6	3.7	23.0	9.2		
R <sup>2</sup>		97	90	65	80		
LSD		NS	NS	NS	NS		
Error DF		2	2	2	2		

# MAFES BLACK BELT BRANCH, BROOKSVILLE

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

Brand	Variety	Yield			Plant height in	Lodging score 1-5
		2023	2-year	3-year <sup>1</sup>		
		bu/A	bu/A	bu/A		
Pioneer	P44A21X	88.8	-	-	33	1
Delta Grow	46XF54	88.6	-	-	37	1
Asgrow	AG46XF3	87.1	59.3	-	31	1
Asgrow	AG45XF3	87.1	56.1	-	37	1
Gateway Seed	457XFS	86.8	-	-	34	1
Delta Grow	46X65/STS	86.2	54.7	-	29	1
Progeny	4665XFS	85.4	-	-	33	1
Dyna-Gro	S46XF31S	84.3	50.6	-	33	1
Armor	46-F96	81.5	48.7	-	31	1
Gateway Seed	469XF	81.2	48.5	-	28	1
Revere Seed	4415XF	80.9	53.9	-	26	1
Don Mario	DM45F23	80.1	-	-	28	1
Progeny	4623XFS	78.3	-	-	25	1
NK Brand	NK46-B4XFS	77.9	-	-	31	1
Revere Seed	4606XFS	77.3	48.0	-	32	1
Great Heart	GT-4538XFS	76.0	-	-	37	1
Great Heart	GT-4677XS	75.7	50.0	-	25	1
Great Heart	GT-4681XFS	75.6	48.0	-	31	1
Beck's	4337XF	75.1	-	-	24	1
Revere Seed	4526XF	73.5	51.4	-	31	1
Armor	45-F02	73.2	45.1	-	31	1
Progeny	4604XFS	72.3	43.1	-	33	1
Progeny	4691XFS	72.2	45.0	-	28	1
NK Brand	NK44-J4XFS	72.2	41.7	-	37	1
NK Brand	NK43-Y9XFS	71.4	44.5	-	28	1
Great Heart	GT-4366XFS	71.3	-	-	29	1
Gateway Seed	461XFS	71.1	-	-	33	1
Delta Grow	44XF75/STS	70.3	-	-	31	1
Armor	44-D49	70.2	44.5	-	28	1
NK Brand	NK42-T5XF	67.8	41.3	-	26	1
Asgrow	AG39XF3	66.1	-	-	24	1
Dyna-Gro	S42XF93S	63.2	-	-	31	1
Mean		77.2				
CV		8.8				
R <sup>2</sup>		67				
LSD		11.0				
Error DF		64				

<sup>1</sup>No 3-year average

# MAFES BLACK BELT BRANCH, BROOKSVILLE

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

Brand	Variety	Yield			Plant height	Lodging score
		2023	2-yr. avg.	3-yr. avg.		
		bu/A	bu/A	bu/A	in	1-5
Progeny	4947XFS	90.8	-	-	30	1
Revere Seed	4826XFS	87.4	56.7	-	26	1
Asgrow	AG48X9	86.9	-	-	35	1
NK Brand	NK48-A8XFS	86.6	-	-	35	1
Revere Seed	4934XF	85.9	-	-	30	1
Revere Seed	4795XS	85.4	53.1	62.2	36	1
Progeny	4798XF	83.1	51.4	-	27	1
Progeny	4778XFS	82.1	-	-	29	1
NK Brand	NK47-Z1XF	81.8	51.9	-	27	1
Asgrow	AG48XF3	80.8	53.2	-	31	1
Dyna-Gro	S49XF82S	80.8	57.2	-	31	1
NK Brand	NK49-C2XFS	80.6	-	-	28	1
Pioneer	P47A64X	80.5	-	-	32	1
Delta Grow	48X45	79.7	50.8	61.2	28	1
Great Heart	GT-4762XF	79.2	54.1	-	30	1
Gateway Seed	473XFS	79.0	-	-	34	1
Don Mario	DM48F53	77.4	-	-	25	1
Dyna-Gro	S49XF43S	77.2	-	-	25	1
Progeny	4806XFS	76.4	48.4	57.6	28	1
Delta Grow	48XF42	74.5	-	-	25	1
Asgrow	AG49XF4	73.4	-	-	33	1
Great Heart	GT-4756XF	72.7	47.6	-	28	1
Beck's	4887XF	72.1	-	-	31	1
Revere Seed	4731XS	71.0	-	-	25	1
Delta Grow	47XF38	70.3	-	-	24	1
Revere Seed	4727XF	70.2	49.1	-	27	1
Asgrow	AG47XF2	69.9	-	-	30	1
Delta Grow	49XF85/STS	69.4	-	-	30	1
Asgrow	AG48XF2	68.8	-	-	28	1
Progeny	4755XFS	68.2	-	-	30	1
Delta Grow	48XF33	67.3	42.9	-	31	1
Dyna-Gro	S47XF23S	65.2	45.0	-	26	1
Innvictis	A4862XF	62.9	-	-	28	1
Great Heart	GT-4867XF	58.1	-	-	25	1
Mean		76.3				
CV		9.9				
R <sup>2</sup>		63.0				
LSD		12.4				
Error DF		66				

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

Brand	Variety	Yield			Plant height in	Lodging score 1-5
		2023	2-yr. avg.	3-yr. avg.		
		bu/A	bu/A	bu/A		
Innvictis	B5013E	85.4	-	-	31	1
Delta Grow	49E30/STS	83.8	-	-	30	1
Innvictis	B4903E	79.3	-	-	24	1
Delta Grow	49E80	74.0	-	-	23	1
Delta Grow	46E30	71.5	-	-	21	1
Delta Grow	48E59	70.0	42.8	52.4	28	1
Delta Grow	46E10	69.5	42.0	50.8	22	1
Mean		76.2				
CV		13.5				
R <sup>2</sup>		39.0				
LSD		NS				
Error DF		12				

# MAFES BLACK BELT BRANCH, BROOKSVILLE

Table 18. Non-Irrigated Maturity Group V Early Roundup Ready Xtend and XtendFlex Soybean Varieties at the MAFES Black Belt Station, Brooksville.

Brand	Variety	Yield			Plant height in	Lodging score 1-5
		2023	2-yr. avg.	3-yr. avg.		
		bu/A	bu/A	bu/A		
NK Brand	NK54-J9XFS	91.3	-	-	40	1
Progeny	5441XF	88.3	-	-	42	1
Pioneer	P53A67X	83.8	-	-	20	1
Delta Grow	55X25	82.3	-	-	32	1
Asgrow	AG56XF2	82.0	56.6	69.5	32	1
Progeny	5056XFS	80.4	53.5	-	34	1
NK Brand	NK52-V1XF	79.5	-	-	29	1
Dyna-Gro	S52XT91	78.6	54.2	59.5	27	1
Innvictis	A5003XF	77.7	-	-	28	1
NK Brand	NK56-Z6XFS	77.6	-	-	21	1
Revere Seed	5029XF	77.6	50.6	-	32	1
Great Heart	GT-5214X	77.0	54.7	63.5	31	1
Great Heart	GT-5320XF	76.2	-	-	25	1
Delta Grow	53XF95/STS	74.8	-	-	27	1
Great Heart	GT-5417X	72.6	-	-	29	1
Progeny	5641XF	72.3	-	-	38	1
Asgrow	AG53XF2	70.3	47.0	55.0	30	1
Delta Grow	52XF22/STS	67.8	44.1	-	32	1
Pioneer	P50A08LX	65.2	-	-	29	1
Delta Grow	55XF23	42.8	-	-	14	1
Mean		75.9				
CV		10.6				
R <sup>2</sup>		70				
LSD		13.3				
Error DF		38				

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

Brand	Variety	Yield			Plant height in	Lodging score 1-5
		2023	2-yr1 avg.	3-yr1 avg.		
		bu/A	bu/A	bu/A		
Progeny	5751XF	104.7	-	-	18	1
Innvictis	A5813XF	104.0	-	-	17	1
Mean		104.3				
CV		2.6				
R <sup>2</sup>		97				
LSD		NS				
Error DF		2				

<sup>1</sup>No 2 or 3-year average



# MAFES BLACK BELT BRANCH, BROOKSVILLE

Table 20. Irrigated Maturity Group IV Early Roundup Ready Xtend and XtendFlex Soybean Varieties at the MAFES Black Belt Branch, Brooksville.

Brand	Variety	Yield			Plant height	Lodging score
		2023	2-yr. avg.	3-yr. avg.		
		bu/A	bu/A	bu/A	in	1-5
Great Heart	GT-4538XFS	113.6	-	-	37	1
Delta Grow	46XF54	112.6	-	-	31	1
Gateway Seed	457XFS	111.9	-	-	29	1
Asgrow	AG45XF3	109.4	95.1	-	28	1
Progeny	4665XFS	108.8	-	-	35	1
Armor	44-D49	108.5	88.2	83.0	24	1
Asgrow	AG46XF3	107.9	91.6	-	24	1
Progeny	4691XFS	106.7	89.5	-	27	1
Progeny	4604XFS	105.5	89.4	83.5	27	1
Armor	45-F02	104.2	91.4	-	30	1
NK Brand	NK42-T5XF	102.6	82.7	-	25	1
Beck's	4337XF	102.5	-	-	27	1
Delta Grow	46X65/STS	101.6	85.2	81.3	20	1
Gateway Seed	461XFS	101.3	-	-	27	1
NK Brand	NK46-B4XFS	101.1	-	-	27	1
Revere Seed	4415XF	100.4	86.5	80.2	18	1
Pioneer	P44A21X	100.3	-	-	26	1
Armor	46-F96	100.0	86.9	-	22	1
Revere Seed	4526XF	99.9	91.4	-	28	1
Don Mario	DM45F23	99.9	-	-	24	1
Gateway Seed	469XF	99.6	87.5	-	28	1
Progeny	4623XFS	99.6	-	-	21	1
Revere Seed	4606XFS	97.7	88.7	-	26	1
Great Heart <sup>†</sup>	GT-4681XFS	97.7	86.3	79.1	28	1
Great Heart	GT-4677XS	95.8	83.8	79.8	26	1
Dyna-Gro	S46XF31S	95.3	83.7	79.0	28	1
Delta Grow	44XF75/STS	93.2	-	-	23	1
Dyna-Gro	S42XF93S	93.1	-	-	27	1
NK Brand	NK43-Y9XFS	92.8	75.8	-	20	1
NK Brand	NK44-J4XFS	90.2	73.5	-	24	1
Great Heart	GT-4366XFS	86.9	-	-	30	1
Asgrow	AG39XF3	78.7	-	-	20	1
Mean		100.6				
CV		7.8				
R <sup>2</sup>		60				
LSD		12.8				
Error DF		64				

# MAFES BLACK BELT BRANCH, BROOKSVILLE

Table 21. Irrigated Maturity Group IV Late Roundup Ready Xtend & XtendFlex Soybean Varieties at the MAFES Black Belt Station, Brooksville.

Brand	Variety	Yield			Plant height	Lodging score
		2023	2-yr. avg.	3-yr. avg.		
		bu/A	bu/A	bu/A	in	1-5
Pioneer	P47A64X	110.0	-	-	29	1
Progeny	4947XFS	110.0	-	-	33	1
NK Brand	NK48-A8XFS	108.6	-	-	30	1
NK Brand	NK49-C2XFS	105.8	-	-	26	1
Dyna-Gro	S49XF43S	103.3	-	-	26	1
Asgrow	AG49XF4	102.1	-	-	28	1
Revere Seed	4826XFS	101.8	88.4	-	22	1
Gateway Seed	473XFS	101.4	-	-	31	1
Asgrow	AG48XF3	101.3	86.5	-	25	1
Revere Seed	4934XF	101.2	-	-	28	1
Dyna-Gro	S49XF82S	100.9	93.0	-	27	1
Progeny	4798XF	100.5	91.4	-	31	1
Beck's	4887XF	99.4	-	-	26	1
Revere Seed	4795XS	99.1	84.7	77.8	30	1
Progeny	4755XFS	98.9	-	-	26	1
Delta Grow	48X45	98.7	82.5	76.6	23	1
Delta Grow	48XF33	98.5	83.2	-	30	1
Asgrow	AG48X9	98.2	-	-	26	1
NK Brand	NK47-Z1XF	98.0	93.8	-	26	1
Delta Grow	47XF38	97.8	-	-	28	1
Revere Seed	4731XS	97.6	-	-	25	1
Progeny	4778XFS	97.4	-	-	30	1
Progeny	4806XFS	97.0	76.6	73.0	31	1
Great Heart	GT-4762XF	96.5	88.0	-	22	1
Delta Grow	48XF42	95.5	-	-	24	1
Asgrow	AG47XF2	93.0	-	-	24	1
Great Heart	GT-4756XF	92.8	84.9	-	23	1
Don Mario	DM48F53	91.8	-	-	24	1
Revere Seed	4727XF	91.5	82.4	-	26	1
Delta Grow	49XF85/STS	91.2	-	-	21	1
Innvictis	A4862XF	87.0	-	-	23	1
Asgrow	AG48XF2	85.1	-	-	21	1
Dyna-Gro	S47XF23S	82.7	77.2	-	25	1
Great Heart	GT-4867XF	82.5	-	-	28	1
Mean		97.6				
CV		7.5				
R <sup>2</sup>		59.0				
LSD		12				
Error DF		66				

# MAFES BLACK BELT BRANCH, BROOKSVILLE

Table 22. Irrigated Maturity Group IV Enlist Soybean Varieties at the MAFES Black Belt Branch, Brooksville.

Brand	Variety	Yield			Plant height in	Lodging score 1-5
		2023	2-yr. avg.	3-yr. avg.		
		bu/A	bu/A	bu/A		
Delta Grow	49E80	110.8	-	-	26	1
Delta Grow	49E30/STS	104.1	-	-	31	1
Delta Grow	48E59	102.9	78.6	70.2	26	1
Innvictis	B4903E	102.0	-	-	28	1
Innvictis	B5013E	96.8	-	-	26	1
Delta Grow	46E30	96.1	-	-	23	1
Delta Grow	46E10	95.5	73.1	69.0	28	1
Mean		101.2				
CV		5.9				
R <sup>2</sup>		56.0				
LSD		NS				
Error DF		12				

# MAFES BLACK BELT BRANCH, BROOKSVILLE

Table 23. Irrigated Maturity Group V Early Roundup Ready Xtend and XtendFlex Soybean Varieties at the MAFES Black Belt Branch, Brooksville.

Brand	Variety	Yield			Plant height in	Lodging score 1-5
		2023	2-yr. avg.	3-yr. avg.		
		bu/A	bu/A	bu/A		
Pioneer	P53A67X	107.2	-	-	23	1
Dyna-Gro	S52XT91	106.1	88.4	85.7	23	1
Asgrow	AG56XF2	105.9	94.6	89.7	25	1
Progeny	5641XF	105.6	-	-	43	1
Great Heart	GT-5417X	103.5	-	-	30	1
NK Brand	NK52-V1XF	103.4	-	-	26	1
Progeny	5056XFS	102.5	91.0	-	32	1
Delta Grow	55X25	102.2	-	-	27	1
Revere Seed	5029XF	101.8	88.7	-	31	1
Delta Grow	53XF95/STS	101.8	-	-	27	1
Great Heart	GT-5320XF	101.8	-	-	26	1
NK Brand	NK54-J9XFS	101.4	-	-	43	1
NK Brand	NK56-Z6XFS	101.0	-	-	20	1
Asgrow	AG53XF2	100.9	79.0	73.4	26	1
Delta Grow	52XF22/STS	98.2	75.2	-	28	1
Innvictis	A5003XF	96.0	-	-	28	1
Great Heart	GT-5214X	94.1	96.5	90.4	32	1
Pioneer	P50A08LX	90.8	-	-	25	1
Progeny	5441XF	82.5	-	-	44	1
Delta Grow	55XF23	74.4	-	-	16	1
Mean		99.0				
CV		6.6				
R <sup>2</sup>		72				
LSD		10.9				
Error DF		38				

Table 24. Irrigated Maturity Group V Late Roundup Ready Xtend and XtendFlex Soybean Varieties at the MAFES Black Belt Branch, Brooksville.

Brand	Variety	Yield			Plant height in.	Lodging score 1-5
		2023	2-yr <sup>1</sup> avg.	3-yr <sup>1</sup> avg.		
		bu/A	bu/A	bu/A		
Innvictis	A5813XF	73.9	-	-	17	1
Progeny	5751XF	70.3	-	-	16	1
Mean		72.1				
CV		7.5				
R <sup>2</sup>		39				
LSD		NS				
Error DF		2				

<sup>1</sup>No 2 or 3-year average

# DULANEY FARMS, CLARKSDALE

Table 25. Irrigated Maturity Group IV Early Roundup Ready Xtend and XtendFlex Soybean Varieties at Dulaney Farms, Clarksdale.

Brand	Variety	Yield			Plant height in	Lodging score 1-5
		2023	2-yr. avg.	3-yr. avg.		
		bu/A	bu/A	bu/A		
Gateway Seed	457XFS	102.5	-	-	36	1
Progeny	4623XFS	98.0	-	-	29	1
Delta Grow	46XF54	96.6	-	-	36	1
Don Mario	DM45F23	96.4	-	-	30	1
NK Brand	NK42-T5XF	94.9	93.7	-	29	1
Beck's	4337XF	94.0	-	-	29	1
Pioneer	P44A21X	93.4	-	-	30	1
Revere Seed	4606XFS	93.1	95.3	-	33	1
Armor	44-D49	92.6	94.2	90.1	30	1
Dyna-Gro	S46XF31S	92.6	94.5	85.5	32	1
Progeny	4604XFS	91.7	96.6	87.0	36	1
Progeny	4691XFS	91.5	98.5	-	36	1
Great Heart	GT-4538XFS	91.3	-	-	36	1
Asgrow	AG46XF3	90.6	96.0	-	30	1
Armor	46-F96	90.4	91.8	-	32	1
Dyna-Gro	S42XF93S	90.3	-	-	35	1
Delta Grow	46X65/STS	87.6	92.1	84.4	27	1
NK Brand	NK46-B4XFS	87.2	-	-	31	1
NK Brand	NK44-J4XFS	86.6	85.1	-	27	1
Great Heart	GT-4366XFS	84.6	-	-	31	1
Revere Seed	4526XF	84.3	87.4	-	34	1
Revere Seed	4415XF	84.1	90.7	84.6	28	1
Progeny	4665XFS	84.0	-	-	39	1
Gateway Seed	461XFS	84.0	-	-	30	1
Armor	45-F02	83.4	87.2	-	32	1
Gateway Seed	469XF	82.8	92.8	-	33	1
Great Heart	GT-4681XFS	81.9	89.9	82.4	31	1
Delta Grow	44XF75/STS	79.9	-	-	28	1
Asgrow	AG45XF3	78.6	86.2	-	29	1
Great Heart	GT-4677XS	76.6	87.9	82.1	25	1
NK Brand	NK43-Y9XFS	76.1	79.8	-	24	1
Asgrow	AG39XF3	69.8	-	-	23	1
Mean		87.9				
CV		10.0				
R <sup>2</sup>		65				
LSD		14.0				
Error DF		64				

# DULANEY FARMS, CLARKSDALE

Table 26. Irrigated Maturity Group IV Late Roundup Ready Xtend and XtendFlex Soybean Varieties at Dulaney Farms, Clarksdale.

Brand	Variety	Yield			Plant height in	Lodging score 1-5
		2023	2-yr. avg.	3-yr. avg.		
		bu/A	bu/A	bu/A		
Revere Seed	4731XS	94.6	-	-	28	1
Progeny	4947XFS	93.3	-	-	32	1
Dyna-Gro	S49XF43S	93.1	-	-	31	1
Delta Grow	48X45	88.3	91.0	84.3	25	1
Innictis	A4862XF	86.3	-	-	27	1
Progeny	4798XF	86.1	89.2	-	30	1
Gateway Seed	473XFS	85.4	-	-	34	1
Revere Seed	4934XF	85.3	-	-	29	1
Revere Seed	4826XFS	84.9	93.8	-	28	1
Progeny	4755XFS	84.7	-	-	31	1
Revere Seed	4795XS	84.3	89.5	82.9	31	1
Progeny	4806XFS	83.9	90.7	84.6	29	1
Beck's	4887XF	83.9	-	-	31	1
Asgrow	AG48X9	83.7	-	-	30	1
Delta Grow	47XF38	83.4	-	-	29	1
NK Brand	NK47-Z1XF	82.0	85.5	-	27	1
Don Mario	DM48F53	81.7	-	-	26	1
Pioneer	P47A64X	80.9	-	-	28	1
Delta Grow	48XF42	80.6	-	-	32	1
Delta Grow	48XF33	80.5	85.2	-	28	1
Revere Seed	4727XF	80.3	91.4	-	31	1
Asgrow	AG48XF2	79.3	-	-	29	1
Dyna-Gro	S47XF23S	79.1	90.6	-	28	1
Great Heart	GT-4756XF	79.0	92.2	-	28	1
Asgrow	AG48XF3	79.0	86.7	-	30	1
Great Heart	GT-4867XF	78.6	-	-	31	1
Asgrow	AG49XF4	76.7	-	-	31	1
Dyna-Gro	S49XF82S	76.3	85.0	-	33	1
Progeny	4778XFS	76.0	-	-	32	1
Asgrow	AG47XF2	75.9	-	-	28	1
Great Heart	GT-4762XF	74.8	88.4	-	32	1
NK Brand	NK48-A8XFS	74.6	-	-	32	1
NK Brand	NK49-C2XFS	73.9	-	-	29	1
Delta Grow	49XF85/STS	71.5	-	-	27	1
Mean		81.8				
CV		10.2				
R <sup>2</sup>		54.0				
LSD		NS				
Error DF		66				

# DULANEY FARMS, CLARKSDALE

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

Brand	Variety	Yield			Plant height in	Lodging score 1-5
		2023	2-yr. avg.	3-yr. avg.		
		bu/A	bu/A	bu/A		
Revere Seed	5029XF	86.8	94.6	-	36	1
Delta Grow	53XF95/STS	84.3	-	-	26	1
Progeny	5056XFS	84.3	93.2	-	39	1
Dyna-Gro	S52XT91	84.3	89.6	79.9	32	1
Pioneer	P50A08LX	84.2	-	-	32	1
Innvictis	A5003XF	83.7	-	-	32	1
NK Brand	NK52-V1XF	83.6	-	-	35	1
Great Heart	GT-5417X	83.6	-	-	32	1
Delta Grow	52XF22/STS	83.2	93.6	-	31	1
Asgrow	AG53XF2	82.8	89.7	82.0	23	1
Pioneer	P53A67X	82.1	-	-	20	1
Asgrow	AG56XF2	81.6	83.7	73.4	36	1
NK Brand	NK54-J9XFS	80.7	-	-	47	1
Delta Grow	55X25	78.4	-	-	35	1
NK Brand	NK56-Z6XFS	75.0	-	-	18	1
Great Heart	GT-5320XF	72.5	-	-	35	1
Great Heart	GT-5214X	70.4	72.1	66.1	37	1
Delta Grow	55XF23	65.5	-	-	27	1
Progeny	5441XF	63.8	-	-	52	1
Progeny	5641XF	63.1	-	-	46	1
Mean		78.7				
CV		9.6				
R <sup>2</sup>		67				
LSD		12.5				
Error DF		38				

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

Brand	Variety	Yield			Plant height in.	Lodging score 1-5
		2023	2-yr <sup>1</sup> avg.	3-yr <sup>1</sup> avg.		
		bu/A	bu/A	bu/A		
Innvictis	A5813XF	63.8	-	-	22	1
Progeny	5751XF	58.8	-	-	20	1
Mean		61.3				
CV		9.3				
R <sup>2</sup>		50				
LSD		NS				
Error DF		2				

<sup>1</sup>No 2 or 3-year average

# STEELE FARMS, LONGWOOD

Table 29. Irrigated Maturity Group IV Early Roundup Ready Xtend and XtendFlex Soybean Varieties at Steele Farms, Longwood.

Brand	Variety	Yield			Plant height in	Lodging score 1-5
		2023	2-yr <sup>1</sup> avg.	3-yr <sup>1</sup> avg.		
		bu/A	bu/A	bu/A		
Gateway Seed	461XFS	134.3	-	-	35	1
NK Brand	NK46-B4XFS	131.3	-	-	36	1
Great Heart	GT-4538XFS	124.8	-	-	44	1
NK Brand	NK42-T5XF	124.0	-	-	32	1
Gateway Seed	457XFS	122.1	-	-	39	1
Don Mario	DM45F23	120.7	-	-	32	1
Pioneer	P44A21X	119.2	-	-	35	1
Delta Grow	46X65/STS	118.7	-	-	36	1
Great Heart	GT-4681XFS	117.7	-	-	36	1
NK Brand	NK43-Y9XFS	117.2	-	-	32	1
Gateway Seed	469XF	116.5	-	-	39	1
Asgrow	AG46XF3	113.5	-	-	37	1
Dyna-Gro	S42XF93S	113.4	-	-	35	1
Delta Grow	46XF54	113.2	-	-	41	2
NK Brand	NK44-J4XFS	113.1	-	-	33	1
Progeny	4665XFS	112.1	-	-	42	2
Armor	44-D49	112.0	-	-	32	1
Great Heart	GT-4677XS	109.8	-	-	34	1
Revere Seed	4415XF	109.2	-	-	34	1
Delta Grow	44XF75/STS	108.6	-	-	38	1
Revere Seed	4606XFS	107.9	-	-	41	1
Asgrow	AG45XF3	107.8	-	-	31	1
Revere Seed	4526XF	107.6	-	-	40	1
Armor	46-F96	106.5	-	-	41	1
Dyna-Gro	S46XF31S	106.1	-	-	39	1
Progeny	4604XFS	106.1	-	-	40	2
Progeny	4623XFS	105.0	-	-	33	1
Progeny	4691XFS	101.9	-	-	40	2
Beck's	4337XF	97.9	-	-	32	1
Armor	45-F02	96.4	-	-	38	1
Asgrow	AG39XF3	89.1	-	-	30	1
Great Heart	GT-4366XFS	87.1	-	-	39	1
Mean		111.6				
CV		10.0				
R <sup>2</sup>		60				
LSD		19.0				
Error DF		64				

<sup>1</sup>No 2 or 3-year average



# STEELE FARMS, LONGWOOD

Table 30. Irrigated Maturity Group IV Late Roundup Ready Xtend and XtendFlex Soybean Varieties at Steele Farms, Longwood.

Brand	Variety	Yield			Plant height	Lodging score
		2023	2-yr <sup>1</sup> avg.	3-yr <sup>1</sup> avg.		
		bu/A	bu/A	bu/A	in	1-5
Revere Seed	4795XS	134.1	-	-	32	1
NK Brand	NK49-C2XFS	127.0	-	-	40	1
Great Heart	GT-4762XF	126.7	-	-	35	1
NK Brand	NK48-A8XFS	126.4	-	-	37	2
Dyna-Gro	S49XF43S	125.5	-	-	36	2
Progeny	4806XFS	125.3	-	-	38	1
Revere Seed	4826XFS	124.1	-	-	33	1
Delta Grow	48XF33	122.9	-	-	36	1
Innictis	A4862XF	122.6	-	-	38	1
Delta Grow	49XF85/STS	122.4	-	-	35	1
Don Mario	DM48F53	121.7	-	-	33	1
Progeny	4947XFS	119.7	-	-	37	1
Pioneer	P47A64X	118.8	-	-	41	2
Revere Seed	4731XS	118.0	-	-	34	1
Great Heart	GT-4756XF	116.9	-	-	32	1
Dyna-Gro	S49XF82S	116.3	-	-	33	1
Delta Grow	48X45	116.0	-	-	30	1
Asgrow	AG48X9	115.6	-	-	38	1
Delta Grow	48XF42	114.0	-	-	35	1
Asgrow	AG48XF2	114.0	-	-	33	1
Gateway Seed	473XFS	113.3	-	-	37	1
Delta Grow	47XF38	112.5	-	-	39	1
NK Brand	NK47-Z1XF	111.1	-	-	35	1
Asgrow	AG47XF2	110.7	-	-	32	1
Asgrow	AG49XF4	110.4	-	-	37	1
Great Heart	GT-4867XF	110.1	-	-	35	1
Revere Seed	4934XF	109.0	-	-	36	1
Dyna-Gro	S47XF23S	107.7	-	-	32	1
Asgrow	AG48XF3	107.6	-	-	36	1
Progeny	4778XFS	104.8	-	-	33	1
Beck's	4887XF	104.5	-	-	37	1
Revere Seed	4727XF	102.4	-	-	35	1
Progeny	4798XF	101.0	-	-	40	1
Progeny	4755XFS	99.5	-	-	40	2
Mean		115.7				
CV		10.0				
R2		49.0				
LSD						
Error DF		66				

<sup>1</sup>No 2 or 3-year average

# STEELE FARMS, LONGWOOD

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

Brand	Variety	Yield			Plant height	Lodging score
		2023	2-yr <sup>1</sup> avg.	3-yr <sup>1</sup> avg.		
		bu/A	bu/A	bu/A		
Asgrow	AG56XF2	117.1	-	-	38	1
Great Heart	GT-5417X	114.2	-	-	33	1
NK Brand	NK52-V1XF	113.7	-	-	36	1
Delta Grow	55X25	113.4	-	-	34	1
Innvictis	A5003XF	112.6	-	-	35	1
Delta Grow	53XF95/STS	111.9	-	-	31	1
Pioneer	P53A67X	110.0	-	-	25	2
Dyna-Gro	S52XT91	107.9	-	-	33	1
Great Heart	GT-5320XF	106.0	-	-	32	1
Revere Seed	5029XF	105.2	-	-	34	1
Asgrow	AG53XF2	103.5	-	-	37	1
Progeny	5056XFS	100.9	-	-	35	1
NK Brand	NK54-J9XFS	99.6	-	-	47	1
Pioneer	P50A08LX	99.3	-	-	36	1
Delta Grow	52XF22/STS	98.0	-	-	34	1
NK Brand	NK56-Z6XFS	92.3	-	-	21	1
Great Heart	GT-5214X	91.4	-	-	42	2
Progeny	5641XF	87.6	-	-	47	1
Progeny	5441XF	85.1	-	-	53	3
Delta Grow	55XF23	74.8	-	-	25	1
Mean		102.2				
CV		7.6				
R <sup>2</sup>		76				
LSD		12.8				
Error DF		38				

<sup>1</sup>No 2 or 3-year average

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

Brand	Variety	Yield			Plant height	Lodging score
		2023	2-yr <sup>1</sup> avg.	3-yr <sup>1</sup> avg.		
		bu/A	bu/A	bu/A		
Progeny	5751XF	68.9	-	-	24	1
Innvictis	A5813XF	66.9	-	-	25	1
Mean		67.9				
CV		9.4				
R <sup>2</sup>		16				
LSD		NS				
Error DF		2				

<sup>1</sup>No 2 or 3-year average

# TODD WILLIAMS FARM, OLIVE BRANCH

Table 33. Non-Irrigated Maturity Group IV Early Roundup Ready Xtend and XtendFlex Soybean Varieties at Todd Williams Farm, Olive Branch.

Brand	Variety	Yield			Plant height in	Lodging score 1-5
		2023	2-yr. avg.	3-yr. avg.		
		bu/A	bu/A	bu/A		
Delta Grow	46XF54	86.4	-	-	39	1
NK Brand	NK43-Y9XFS	82.5	86.8	-	34	1
NK Brand	NK44-J4XFS	80.4	84.0	-	31	1
Great Heart	GT-4538XFS	79.6	-	-	38	1
NK Brand	NK42-T5XF	77.8	85.6	-	32	1
Pioneer	P44A21X	77.1	-	-	36	1
Gateway Seed	457XFS	76.9	-	-	37	1
Revere Seed	4526XF	75.6	84.8	-	36	1
Gateway Seed	469XF	75.2	82.4	-	28	1
Revere Seed	4415XF	75.1	87.6	88.1	30	1
Progeny	4665XFS	74.6	-	-	39	1
NK Brand	NK46-B4XFS	74.3	-	-	35	1
Asgrow	AG39XF3	74.3	-	-	26	1
Delta Grow	46X65/STS	73.9	80.7	85.2	31	1
Delta Grow	44XF75/STS	73.8	-	-	35	1
Beck's	4337XF	73.1	-	-	28	1
Progeny	4623XFS	71.8	-	-	31	1
Dyna-Gro	S46XF31S	71.4	78.9	85.7	36	1
Progeny	4691XFS	71.2	80.0	-	41	1
Don Mario	DM45F23	71.1	-	-	34	1
Asgrow	AG46XF3	71.0	81.4	-	30	1
Progeny	4604XFS	70.9	81.3	85.4	37	1
Armor	44-D49	70.6	82.3	87.4	35	1
Armor	46-F96	70.1	80.7	-	31	1
Gateway Seed	461XFS	69.9	-	-	33	1
Armor	45-F02	66.8	83.4	-	33	1
Dyna-Gro	S42XF93S	66.7	-	-	34	1
Revere Seed	4606XFS	66.7	81.8	-	36	1
Great Heart	GT-4366XFS	66.4	-	-	36	1
Great Heart	GT-4677XS	65.5	79.2	83.1	28	1
Great Heart	GT-4681XFS	63.8	74.7	81.9	39	1
Asgrow	AG45XF3	61.1	77.5	-	34	1
Mean		72.7				
CV		11.5				
R <sup>2</sup>		40				
LSD		NS				
Error DF		64				

# TODD WILLIAMS FARM, OLIVE BRANCH

Table 34. Non-Irrigated Maturity Group IV Late Roundup Ready Xtend and Xtendflex Soybean Varieties at Todd Williams Farm, Olive Branch.

Brand	Variety	Yield			Plant height in	Lodging score 1-5
		2023	2-yr. avg.	3-yr. avg.		
		bu/A	bu/A	bu/A		
Pioneer	P47A64X	86.0	-	-	37	1
Asgrow	AG49XF4	83.0	-	-	34	1
Progeny	4947XFS	82.0	-	-	35	1
Progeny	4755XFS	81.7	-	-	28	1
Dyna-Gro	S49XF43S	80.9	-	-	33	1
NK Brand	NK48-A8XFS	79.2	-	-	36	1
NK Brand	NK49-C2XFS	78.4	-	-	33	1
Revere Seed	4731XS	77.5	-	-	34	2
Gateway Seed	473XFS	76.1	-	-	34	1
Delta Grow	47XF38	75.1	-	-	33	2
NK Brand	NK47-Z1XF	74.6	79.2	-	33	1
Beck's	4887XF	74.5	-	-	34	1
Great Heart	GT-4867XF	74.4	-	-	30	1
Delta Grow	49XF85/STS	74.1	-	-	31	1
Innictis	A4862XF	74.0	-	-	30	1
Revere Seed	4934XF	74.0	-	-	27	1
Progeny	4798XF	73.0	80.0	-	30	1
Revere Seed	4727XF	72.4	77.3	-	31	1
Revere Seed	4826XFS	72.2	80.4	-	31	1
Delta Grow	48XF42	72.2	-	-	32	1
Revere Seed	4795XS	72.2	82.5	87.1	33	1
Dyna-Gro	S49XF82S	72.1	74.0	-	33	1
Asgrow	AG48X9	71.5	-	-	34	1
Great Heart	GT-4762XF	71.3	77.7	-	33	1
Delta Grow	48X45	71.2	78.4	82.4	31	1
Progeny	4806XFS	71.2	78.5	81.7	33	1
Asgrow	AG48XF2	71.1	-	-	33	1
Dyna-Gro	S47XF23S	71.1	80.2	-	31	1
Don Mario	DM48F53	70.4	-	-	30	1
Progeny	4778XFS	68.8	-	-	34	1
Asgrow	AG48XF3	67.9	76.2	-	32	1
Great Heart	GT-4756XF	67.6	79.5	-	35	1
Asgrow	AG47XF2	67.3	-	-	29	1
Delta Grow	48XF33	60.5	72.7	-	34	1
Mean		73.8				
CV		8.6				
R <sup>2</sup>		53.0				
LSD		10.3				
Error DF		66				

# TODD WILLIAMS FARM, OLIVE BRANCH

Table 35. Non-Irrigated Maturity Group IV Enlist Nonirrigated Soybean Varieties at Todd Williams Farm, Olive Branch.

Brand	Variety	Yield			Plant height in	Lodging score 1-5
		2023	2-yr. avg.	3-yr. avg.		
		bu/A	bu/A	bu/A		
Innvictis	B4903E	78.1	-	-	40	2
Delta Grow	46E30	74.8	-	-	33	2
Delta Grow	49E30/STS	74.0	-	-	42	1
Delta Grow	48E59	73.7	74.9	77.5	33	1
Innvictis	B5013E	71.3	-	-	43	1
Delta Grow	49E80	69.4	-	-	37	1
Delta Grow	46E10	60.5	65.6	71.2	35	1
Mean		71.7				
CV		8.7				
R <sup>2</sup>		58.0				
LSD		11				
Error DF		12				

# TODD WILLIAMS FARM, OLIVE BRANCH

Table 36. Non-Irrigated Maturity Group V Early Roundup Ready Xtend and XtendFlex Soybean Varieties at Todd Williams Farm, Olive Branch.

Brand	Variety	Yield			Plant height in	Lodging score 1-5
		2023	2-yr. avg.	3-yr. avg.		
		bu/A	bu/A	bu/A		
Revere Seed	5029XF	79.4	85.4	-	36	2
Progeny	5056XFS	77.5	83.1	-	42	2
NK Brand	NK54-J9XFS	74.1	-	-	38	1
Asgrow	AG56XF2	73.3	80.9	81.8	32	1
Pioneer	P50A08LX	73.3	-	-	33	1
Pioneer	P53A67X	73.0	-	-	26	1
NK Brand	NK52-VIXF	72.7	-	-	37	1
Dyna-Gro	S52XT91	72.4	82.3	86.1	39	2
Delta Grow	52XF22/STS	71.5	71.8	-	37	1
Delta Grow	55XF23	71.2	-	-	32	1
Progeny	5441XF	71.0	-	-	39	3
NK Brand	NK56-Z6XFS	70.5	-	-	28	1
Great Heart	GT-5320XF	70.1	-	-	36	1
Great Heart	GT-5417X	69.8	-	-	40	1
Delta Grow	55X25	67.8	-	-	33	1
Asgrow	AG53XF2	64.6	73.0	77.2	35	1
Delta Grow	53XF95/STS	64.6	-	-	31	2
Progeny	5641XF	64.0	-	-	35	1
Innvictis	A5003XF	61.9	-	-	35	2
Great Heart	GT-5214X	61.1	70.3	68.6	39	2
Mean		70.2				
CV		9.0				
R <sup>2</sup>		46				
LSD		10.5				
Error DF		38				

Table 37. Non-Irrigated Maturity Group V Late Roundup Ready Xtend and XtendFlex Soybean Varieties at Todd Williams Farm, Olive Branch.

Brand	Variety	Yield			Plant height in	Lodging score 1-5
		2023	2-yr1 avg.	3-yr1 avg.		
		bu/A	bu/A	bu/A		
Progeny	5751XF	77.0	-	-	33	1
Innvictis	A5813XF	69.1	-	-	32	1
Mean		73.0				
CV		3.7				
R <sup>2</sup>		90				
LSD		NS				
Error DF		2				

1No 2 or 3-year average

# MAFES BROWN LOAM BRANCH, RAYMOND

Table 38. Non-Irrigated Maturity Group IV Early Roundup Ready Xtend and XtendFlex Soybean Varieties at the MAFES Brown Loam Branch, Raymond.

Brand	Variety	Yield			Plant height	Lodging score
		2023	2-yr. avg.	3-yr. avg.		
		bu/A	bu/A	bu/A	in	1-5
Progeny	4623XFS	45.3	-	-	27	1
Gateway Seed	457XFS	44.9	-	-	30	1
Armor	46-F96	42.8	59.4	-	32	1
Progeny	4665XFS	42.8	-	-	37	1
Gateway Seed	469XF	42.1	64.7	-	29	1
Revere Seed	4606XFS	41.6	54.2	-	32	1
NK Brand	NK42-T5XF	41.5	55.3	-	28	1
Revere Seed	4415XF	41.3	64.6	78.5	26	1
Asgrow	AG46XF3	40.8	64.5	-	26	1
Pioneer	P44A21X	39.0	-	-	26	1
Great Heart	GT-4677XS	39.0	54.4	73.4	23	1
Armor	44-D49	38.9	61.6	83.1	29	1
Great Heart	GT-4366XFS	38.4	-	-	30	1
Delta Grow	44XF75/STS	38.1	-	-	28	1
Delta Grow	46X65/STS	37.1	53.0	74.8	27	1
Gateway Seed	461XFS	36.4	-	-	28	1
NK Brand	NK43-Y9XFS	36.0	53.5	-	25	1
Beck's	4337XF	36.0	-	-	26	1
Revere Seed	4526XF	35.5	49.1	-	30	1
Great Heart	GT-4538XFS	35.1	-	-	31	1
Asgrow	AG39XF3	34.8	-	-	22	1
Progeny	4604XFS	34.7	57.4	76.6	33	1
Armor	45-F02	34.0	60.3	-	32	1
Delta Grow	46XF54	33.8	-	-	33	1
Great Heart	GT-4681XFS	33.6	53.7	75.9	32	1
NK Brand	NK46-B4XFS	33.6	-	-	28	1
Asgrow	AG45XF3	33.4	46.0	-	27	1
Dyna-Gro	S42XF93S	32.9	-	-	29	1
Dyna-Gro	S46XF31S	31.7	51.4	70.4	26	1
Progeny	4691XFS	30.6	46.6	-	29	1
Don Mario	DM45F23	30.2	-	-	22	1
NK Brand	NK44-J4XFS	26.7	42.8	-	28	1
Mean		37.0				
CV		16.0				
R <sup>2</sup>		70				
LSD		NS				
Error DF		64				

# MAFES BROWN LOAM BRANCH, RAYMOND

Table 39. Non-Irrigated Maturity Group IV Late Roundup Ready Xtend and XtendFlex Soybean Varieties at the MAFES Brown Loam Branch, Raymond

Brand	Variety	Yield			Plant height in	Lodging score 1-5
		2023	2-yr. avg.	3-yr. avg.		
		bu/A	bu/A	bu/A		
Revere Seed	4731XS	43.9	-	-	28	1
Revere Seed	4934XF	43.6	-	-	29	1
Delta Grow	48XF33	43.1	65.2	-	30	1
Delta Grow	48XF42	41.9	-	-	29	1
Progeny	4947XFS	40.5	-	-	32	1
Asgrow	AG47XF2	40.0	-	-	25	1
Asgrow	AG48X9	39.9	-	-	31	1
Innvictis	A4862XF	39.8	-	-	29	1
Revere Seed	4727XF	39.4	60.9	-	30	1
NK Brand	NK47-Z1XF	39.2	59.6	-	31	1
Revere Seed	4826XFS	38.8	60.5	-	26	1
Asgrow	AG48XF3	38.3	55.4	-	29	1
Great Heart	GT-4756XF	37.6	52.9	-	26	1
Asgrow	AG48XF2	37.6	-	-	28	1
Asgrow	AG49XF4	37.5	-	-	31	1
Don Mario	DM48F53	37.0	-	-	27	1
Dyna-Gro	S49XF43S	34.8	-	-	23	1
Delta Grow	47XF38	34.3	-	-	27	1
Progeny	4806XFS	34.2	54.7	76.3	27	1
Revere Seed	4795XS	33.0	58.0	80.3	31	1
Pioneer	P47A64X	32.8	-	-	33	1
Dyna-Gro	S47XF23S	32.4	50.6	-	28	1
Great Heart	GT-4762XF	31.9	62.1	-	30	2
Delta Grow	48X45	31.2	51.6	70.5	28	2
NK Brand	NK49-C2XFS	31.0	-	-	29	1
Great Heart	GT-4867XF	29.5	-	-	24	1
Beck's	4887XF	28.6	-	-	29	1
Gateway Seed	473XFS	28.2	-	-	29	1
Progeny	4778XFS	28.0	-	-	32	1
NK Brand	NK48-A8XFS	27.8	-	-	27	1
Progeny	4798XF	27.1	53.1	-	25	1
Progeny	4755XFS	25.8	-	-	26	1
Delta Grow	49XF85/STS	25.5	-	-	26	1
Dyna-Gro	S49XF82S	23.2	54.8	-	28	1
Mean		34.6				
CV		16.9				
R <sup>2</sup>		69.0				
LSD		9.5				
Error DF		66				



# MAFES BROWN LOAM BRANCH, RAYMOND

Table 40. Non-Irrigated Maturity Group IV Enlist Soybean Varieties at the MAFES Brown Loam Branch, Raymond.

Brand	Variety	Yield			Plant height	Lodging score
		2023	2-yr. avg.	3-yr. avg.		
		bu/A	bu/A	bu/A	in	1-5
Innvictis	B4903E	49.1	-	-	28	1
Delta Grow	48E59	41.0	58.9	76.3	32	1
Delta Grow	46E30	39.7	-	-	24	1
Delta Grow	49E30/STS	38.1	-	-	34	1
Innvictis	B5013E	37.0	-	-	35	1
Delta Grow	46E10	35.6	58.3	69.7	34	1
Delta Grow	49E80	30.6	-	-	22	1
Mean		38.7				
CV		21.7				
R <sup>2</sup>		58.0				
LSD		NS				
Error DF		12				

# MAFES BROWN LOAM BRANCH, RAYMOND

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

Brand	Variety	Yield			Plant height in	Lodging score 1-5
		2023	2-yr. avg.	3-yr. avg.		
		bu/A	bu/A	bu/A		
Pioneer	P53A67X	41.8	-	-	20	1
Asgrow	AG53XF2	40.1	56.5	72.3	30	1
Revere Seed	5029XF	39.2	62.1	-	32	1
Asgrow	AG56XF2	38.9	61.5	81.7	30	1
Delta Grow	55X25	36.4	-	-	29	1
Great Heart	GT-5417X	36.1	-	-	26	1
Dyna-Gro	S52XT91	35.8	54.8	74.9	30	1
Delta Grow	53XF95/STS	35.0	-	-	32	1
Progeny	5056XFS	34.9	58.3	-	30	1
NK Brand	NK56-Z6XFS	34.6	-	-	15	1
Innvictis	A5003XF	33.3	-	-	27	1
Great Heart	GT-5214X	32.5	59.8	77.2	28	1
NK Brand	NK54-J9XFS	31.2	-	-	33	1
NK Brand	NK52-V1XF	31.0	-	-	28	1
Delta Grow	52XF22/STS	30.9	57.1	-	32	1
Great Heart	GT-5320XF	26.2	-	-	23	1
Progeny	5441XF	24.8	-	-	43	1
Progeny	5641XF	21.0	-	-	34	1
Pioneer	P50A08LX	20.3	-	-	26	1
Delta Grow	55XF23	15.6	-	-	15	1
Mean		32.0				
CV		19.0				
R <sup>2</sup>		72				
LSD		10.2				
Error DF		38				

Table 42. Non-Irrigated Maturity Group V Late Roundup Ready Xtend and XtendFlex Soybean Varieties at the Brown Loam Branch, Raymond.

Brand	Variety	Yield			Plant height in	Lodging score 1-5
		2023	2-yr <sup>1</sup> avg.	3-yr <sup>1</sup> avg.		
		bu/A	bu/A	bu/A		
Progeny	5751XF	21.9	-	-	14	1
Innvictis	A5813XF	20.2	-	-	21	1
Mean		21.0				
CV		23.0				
R <sup>2</sup>		65				
LSD		NS				
Error DF		2				

<sup>1</sup>No 2 or 3-year average

# MAFES DELTA BRANCH, STONEVILLE (clay)

Table 43. Irrigated Maturity Group IV Early Roundup Ready Xtend and XtendFlex Soybean Varieties at the MAFES Delta Branch Station, Stoneville (clay).

Brand	Variety	Yield			Plant height in	Lodging score 1-5
		2023	2-yr. avg.	3-yr. avg.		
		bu/A	bu/A	bu/A		
Gateway Seed	457XFS	83.7	-	-	40	2
Progeny	4623XFS	81.6	-	-	28	1
Delta Grow	46XF54	80.1	-	-	38	2
Revere Seed	4415XF	77.8	84.4	83.6	24	1
Asgrow	AG46XF3	77.7	83.3	-	27	1
Dyna-Gro	S42XF93S	77.3	-	-	33	1
Pioneer	P44A21X	76.2	-	-	31	1
Progeny	4665XFS	75.9	-	-	41	2
Great Heart	GT-4366XFS	75.7	-	-	34	1
Delta Grow	46X65/STS	75.3	77.5	79.8	29	1
Revere Seed	4606XFS	74.0	80.1	-	31	1
Great Heart	GT-4677XS	73.5	78.8	77.6	29	1
NK Brand	NK42-T5XF	73.3	75.2	-	26	1
Don Mario	DM45F23	73.2	-	-	34	1
Armor	44-D49	73.0	72.3	76.8	32	1
Revere Seed	4526XF	72.1	78.9	-	35	1
Armor	45-F02	71.9	77.9	-	33	1
Progeny	4691XFS	71.8	78.8	-	34	1
Great Heart	GT-4538XFS	71.0	-	-	39	1
Beck's	4337XF	70.9	-	-	29	1
NK Brand	NK46-B4XFS	70.4	-	-	32	1
Gateway Seed	469XF	70.2	76.8	-	30	1
Asgrow	AG45XF3	70.2	77.2	-	30	1
Progeny	4604XFS	70.0	78.0	81.0	36	1
Dyna-Gro	S46XF31S	69.9	73.3	75.1	37	1
Armor	46-F96	69.0	76.6	-	29	1
Great Heart	GT-4681XFS	67.7	75.6	73.9	31	1
Gateway Seed	461XFS	66.6	-	-	30	1
NK Brand	NK44-J4XFS	65.7	70.7	-	26	1
NK Brand	NK43-Y9XFS	62.2	66.9	-	27	1
Delta Grow	44XF75/STS	61.0	-	-	30	1
Asgrow	AG39XF3	59.4	-	-	27	1
Mean		72.1				
CV		6.6				
R <sup>2</sup>		75				
LSD		7.8				
Error DF		64				

# MAFES DELTA BRANCH, STONEVILLE (clay)

Table 44. Irrigated Maturity Group IV Late Roundup Ready Xtend and XtendFlex Soybean Varieties at the MAFES Delta Branch, Stoneville (clay).

Brand	Variety	Yield			Plant height in	Lodging score 1-5
		2023	2-yr. avg.	3-yr. avg.		
		bu/A	bu/A	bu/A		
Revere Seed	4826XFS	86.5	81.0	-	29	1
Progeny	4947XFS	82.9	-	-	35	2
Dyna-Gro	S49XF43S	80.9	-	-	30	1
Revere Seed	4731XS	80.2	-	-	33	1
Delta Grow	48XF42	78.8	-	-	30	1
NK Brand	NK49-C2XFS	78.7	-	-	30	1
Progeny	4806XFS	77.9	80.5	83.5	32	1
NK Brand	NK47-Z1XF	77.1	76.4	-	35	1
Asgrow	AG49XF4	76.3	-	-	35	1
Revere Seed	4934XF	75.8	-	-	30	1
Pioneer	P47A64X	75.4	-	-	37	1
Delta Grow	48X45	75.3	76.0	78.9	30	1
Revere Seed	4795XS	75.2	77.5	79.5	30	1
Innvictis	A4862XF	75.1	-	-	32	1
Don Mario	DM48F53	74.1	-	-	31	1
Great Heart	GT-4756XF	74.1	76.4	-	29	1
Delta Grow	49XF85/STS	74.0	-	-	29	1
Asgrow	AG48XF3	73.8	76.3	-	33	1
Dyna-Gro	S47XF23S	73.7	75.5	-	25	1
Asgrow	AG47XF2	73.6	-	-	28	1
Asgrow	AG48X9	73.4	-	-	34	1
Asgrow	AG48XF2	73.0	-	-	29	1
Delta Grow	48XF33	72.8	71.1	-	33	1
Great Heart	GT-4867XF	72.6	-	-	34	1
Gateway Seed	473XFS	72.4	-	-	31	1
Progeny	4798XF	71.5	73.1	-	30	1
Progeny	4778XFS	71.4	-	-	30	1
Progeny	4755XFS	70.6	-	-	33	1
Beck's	4887XF	69.9	-	-	28	1
Great Heart	GT-4762XF	68.6	73.0	-	30	1
Dyna-Gro	S49XF82S	68.4	70.7	-	34	1
NK Brand	NK48-A8XFS	67.8	-	-	33	1
Delta Grow	47XF38	67.6	-	-	32	1
Revere Seed	4727XF	64.3	70.8	-	29	1
Mean		74.2				
CV		6.9				
R <sup>2</sup>		66.0				
LSD		8.4				
Error DF		66				

# MAFES DELTA BRANCH, STONEVILLE (clay)

Table 45. Irrigated Maturity Group IV Enlist Soybean Varieties at the MAFES Delta Branch, Stoneville (clay).

Brand	Variety	Yield			Plant height	Lodging score
		2023	2-yr. avg.	3-yr. avg.		
		bu/A	bu/A	bu/A	in	1-5
Innvictis	B5013E	57.1	-	-	23	1
Delta Grow	49E30/STS	56.9	-	-	29	1
Delta Grow	48E59	52.7	59.0	63.4	24	1
Delta Grow	46E30	50.3	-	-	25	1
Innvictis	B4903E	49.2	-	-	22	1
Delta Grow	49E80	40.6	-	-	22	1
Delta Grow	46E10	37.9	48.0	52.4	21	1
Mean		49.2				
CV		12.7				
R <sup>2</sup>		69.0				
LSD		11.16				
Error DF		12				

# MAFES DELTA BRANCH, STONEVILLE (clay)

Table 46. Irrigated Maturity Group V Early Roundup Ready Xtend and XtendFlex Soybean Varieties at the MAFES Delta Branch, Stoneville (clay)

Brand	Variety	Yield			Plant height in	Lodging score 1-5
		2023	2-yr. avg.	3-yr. avg.		
		bu/A	bu/A	bu/A		
Revere Seed	5029XF	80.8	81.4	-	39	1
Dyna-Gro	S52XT91	80.5	78.9	74.1	31	1
Progeny	5056XFS	79.5	79.2	-	34	1
Great Heart	GT-5417X	78.3	-	-	32	1
Pioneer	P50A08LX	77.3	-	-	28	1
Delta Grow	53XF95/STS	74.2	-	-	25	1
Pioneer	P53A67X	73.4	-	-	23	1
Delta Grow	52XF22/STS	73.1	76.6	-	30	1
NK Brand	NK52-VIXF	72.8	-	-	36	1
Delta Grow	55X25	71.5	-	-	35	1
Innvictis	A5003XF	70.5	-	-	26	1
Great Heart	GT-5320XF	70.5	-	-	29	1
Asgrow	AG56XF2	64.6	70.3	69.1	34	1
NK Brand	NK54-J9XFS	63.0	-	-	47	1
Progeny	5441XF	62.3	-	-	50	2
Asgrow	AG53XF2	60.6	65.8	64.7	33	1
NK Brand	NK56-Z6XFS	58.1	-	-	17	1
Great Heart	GT-5214X	56.4	55.3	57.8	29	1
Progeny	5641XF	53.9	-	-	42	1
Delta Grow	55XF23	45.1	-	-	22	1
Mean		68.3				
CV		8.7				
R <sup>2</sup>		81				
LSD		9.8				
Error DF		38				

Table 47. Irrigated Maturity Group V Late Roundup Ready Xtend and XtendFlex Soybean Varieties at the MAFES Delta Branch, Stoneville (clay)

Brand	Variety	Yield			Plant height in	Lodging score 1-5
		2023	2-yr <sup>1</sup> avg.	3-yr <sup>1</sup> avg.		
		bu/A	bu/A	bu/A		
Progeny	5751XF	52.4	-	-	22	1
Innvictis	A5813XF	44.6	-	-	21	1
Mean		48.5				
CV		11.0				
R <sup>2</sup>		74				
LSD		NS				
Error DF		2				

<sup>1</sup>No 2 or 3-year average

# MAFES DELTA BRANCH, STONEVILLE (loam)

Table 48. Non-Irrigated Maturity Group IV Early Roundup Ready Xtend and XtendFlex Soybean Varieties at the MAFES Delta Branch, Stoneville (loam).

Brand	Variety	Yield			Plant height	Lodging score
		2023	2-yr. avg.	3-yr. avg.		
		bu/A	bu/A	bu/A	in	1-5
Pioneer	P44A21X	89.8	-	-	36	1
Progeny	4691XFS	82.5	91.4	-	33	1
NK Brand	NK44-J4XFS	81.6	86.1	-	35	1
NK Brand	NK46-B4XFS	80.8	-	-	38	1
NK Brand	NK42-T5XF	80.7	90.2	-	27	1
Delta Grow	44XF75/STS	79.3	-	-	32	1
Great Heart	GT-4538XFS	76.5	-	-	37	1
NK Brand	NK43-Y9XFS	76.3	82.6	-	27	1
Armor	46-F96	76.3	86.4	-	42	1
Progeny	4665XFS	75.3	-	-	36	1
Gateway Seed	457XFS	74.9	-	-	44	1
Gateway Seed	469XF	74.6	84.2	-	31	1
Revere Seed	4606XFS	74.3	87.3	-	34	1
Dyna-Gro	S42XF93S	73.6	-	-	42	3
Revere Seed	4415XF	73.4	89.3	92.2	30	1
Delta Grow	46X65/STS	73.3	85.5	92.4	28	1
Asgrow	AG46XF3	73.1	88.5	-	38	1
Gateway Seed	461XFS	72.4	-	-	35	1
Beck's	4337XF	72.0	-	-	38	1
Asgrow	AG39XF3	71.8	-	-	32	1
Great Heart	GT-4677XS	71.6	83.7	83.0	23	1
Don Mario	DM45F23	69.7	-	-	37	2
Dyna-Gro	S46XF31S	69.7	80.8	87.8	41	2
Delta Grow	46XF54	69.2	-	-	37	1
Progeny	4604XFS	68.8	86.0	93.1	37	1
Asgrow	AG45XF3	67.2	82.8	-	40	1
Progeny	4623XFS	66.3	-	-	26	1
Armor	45-F02	65.6	82.1	-	40	1
Great Heart	GT-4366XFS	64.6	-	-	30	1
Revere Seed	4526XF	64.4	82.0	-	39	1
Great Heart	GT-4681XFS	62.2	80.7	83.4	29	1
Armor	44-D49	58.3	77.0	82.4	29	1
Mean		72.8				
CV		13.0				
R <sup>2</sup>		72				
LSD		15.4				
Error DF		64				

# MAFES DELTA BRANCH, STONEVILLE (loam)

Table 49. Non-Irrigated Maturity Group IV Late Roundup Ready Xtend and XtendFlex Soybean Varieties at the MAFES Delta Branch, Stoneville (loam).

Brand	Variety	Yield			Plant height in	Lodging score 1-5
		2023	2-yr. avg.	3-yr. avg.		
		bu/A	bu/A	bu/A		
Progeny	4947XFS	84.5	-	-	36	1
Progeny	4806XFS	82.8	93.9	92.1	31	1
Pioneer	P47A64X	75.4	-	-	39	1
NK Brand	NK49-C2XFS	74.9	-	-	34	1
Innvictis	A4862XF	73.8	-	-	33	1
Dyna-Gro	S47XF23S	73.8	85.4	-	32	1
Revere Seed	4934XF	73.6	-	-	30	1
Asgrow	AG48XF2	72.8	-	-	32	1
NK Brand	NK48-A8XFS	72.8	-	-	36	1
Don Mario	DM48F53	72.0	-	-	31	1
Great Heart	GT-4762XF	70.9	82.1	-	31	1
Revere Seed	4826XFS	70.9	81.1	-	28	1
Delta Grow	48X45	69.6	75.1	82.9	33	1
NK Brand	NK47-Z1XF	69.4	79.4	-	35	1
Asgrow	AG48XF3	68.9	83.1	-	32	1
Asgrow	AG49XF4	68.6	-	-	32	1
Great Heart	GT-4867XF	68.3	-	-	29	1
Revere Seed	4795XS	67.6	81.2	84.1	29	1
Progeny	4755XFS	67.6	-	-	27	1
Revere Seed	4731XS	67.5	-	-	30	1
Asgrow	AG47XF2	67.4	-	-	31	1
Progeny	4798XF	66.9	81.6	-	37	1
Asgrow	AG48X9	66.4	-	-	39	1
Delta Grow	48XF33	65.8	74.3	-	32	1
Progeny	4778XFS	64.9	-	-	30	1
Beck's	4887XF	64.8	-	-	28	1
Delta Grow	47XF38	64.7	-	-	35	1
Dyna-Gro	S49XF82S	62.9	71.3	-	35	1
Dyna-Gro	S49XF43S	62.7	-	-	30	1
Delta Grow	49XF85/STS	59.6	-	-	27	1
Revere Seed	4727XF	58.0	71.5	-	31	1
Great Heart	GT-4756XF	57.3	77.3	-	31	1
Gateway Seed	473XFS	55.8	-	-	27	1
Delta Grow	48XF42	55.7	-	-	30	1
Mean		68.2				
CV		11.6				
R <sup>2</sup>		77.0				
LSD		12.9				
Error DF		66				



# MAFES DELTA BRANCH, STONEVILLE (loam)

Table 50. Non-Irrigated Maturity Group IV Enlist Soybean Varieties at the MAFES Delta Branch, Stoneville (loam).

Brand	Variety	Yield			Plant height	Lodging score
		2023	2-yr. avg.	3-yr. avg.		
		bu/A	bu/A	bu/A	in	1-5
Delta Grow	48E59	77.1	78.8	82.5	27	1
Innvictis	B5013E	74.6	-	-	26	1
Delta Grow	46E30	68.7	-	-	24	1
Innvictis	B4903E	66.3	-	-	26	1
Delta Grow	49E80	63.4	-	-	24	1
Delta Grow	49E30/STS	61.9	-	-	28	1
Delta Grow	46E10	55.3	63.1	67.7	29	1
Mean		66.8				
CV		8.1				
R <sup>2</sup>		88.0				
LSD		9.6				
Error DF		12				

# MAFES DELTA BRANCH, STONEVILLE (loam)

Table 51. Irrigated Maturity Group IV Early Roundup Ready Xtend and XtendFlex Soybean Varieties at the MAFES Delta Branch, Stoneville (loam).

Brand	Variety	Yield			Plant height in	Lodging score 1-5
		2023	2-yr. avg.	3-yr. avg.		
		bu/A	bu/A	bu/A		
Dyna-Gro	S46XF31S	82.3	82.3	84.5	39	1
Dyna-Gro	S42XF93S	81.8	-	-	35	1
Revere Seed	4606XFS	81.8	82.6	-	41	1
Asgrow	AG46XF3	81.3	81.8	-	30	3
Great Heart	GT-4681XFS	81.1	82.3	82.9	36	1
Progeny	4665XFS	80.6	-	-	48	2
Revere Seed	4415XF	80.5	87.4	85.2	33	1
Armor	46-F96	79.3	82.7	-	36	1
NK Brand	NK42-T5XF	79.1	82.9	-	34	1
Revere Seed	4526XF	78.6	81.0	-	31	1
NK Brand	NK43-Y9XFS	78.5	79.3	-	29	1
Gateway Seed	469XF	78.0	82.4	-	35	1
NK Brand	NK46-B4XFS	77.5	-	-	35	1
Armor	44-D49	76.7	80.5	81.9	36	1
Asgrow	AG45XF3	76.4	81.2	-	35	2
Great Heart	GT-4677XS	75.9	81.1	80.1	31	1
Delta Grow	44XF75/STS	75.7	-	-	31	1
Delta Grow	46XF54	75.2	-	-	45	1
Progeny	4691XFS	74.9	78.7	-	37	1
Pioneer	P44A21X	74.8	-	-	34	1
Progeny	4623XFS	74.0	-	-	33	1
Gateway Seed	457XFS	73.9	-	-	40	1
Don Mario	DM45F23	73.9	-	-	31	1
Delta Grow	46X65/STS	73.5	72.1	76.6	34	1
Armor	45-F02	73.3	81.7	-	37	1
Great Heart	GT-4538XFS	72.7	-	-	40	1
Gateway Seed	461XFS	72.1	-	-	37	1
Progeny	4604XFS	71.7	74.8	81.0	42	2
Asgrow	AG39XF3	71.6	-	-	31	1
NK Brand	NK44-J4XFS	70.4	79.2	-	31	1
Beck's	4337XF	69.1	-	-	33	1
Great Heart	GT-4366XFS	67.3	-	-	37	1
Mean		76.0				
CV		5.8				
R <sup>2</sup>		69				
LSD		7.3				
Error DF		64				

# MAFES DELTA BRANCH, STONEVILLE (loam)

Table 52. Irrigated Maturity Group IV Late Roundup Ready Xtend and XtendFlex Soybean Varieties at the MAFES Delta Branch, Stoneville (loam).

Brand	Variety	Yield			Plant height	Lodging score
		2023	2-yr. avg.	3-yr.avg.		
		bu/A	bu/A	bu/A	in	1-5
Pioneer	P47A64X	85.0	-	-	42	1
NK Brand	NK49-C2XFS	82.5	-	-	40	1
Don Mario	DM48F53	82.4	-	-	34	1
Asgrow	AG49XF4	82.4	-	-	35	1
Asgrow	AG47XF2	81.1	-	-	33	1
Progeny	4947XFS	81.1	-	-	35	1
Innvictis	A4862XF	81.1	-	-	35	1
Delta Grow	48X45	80.7	76.6	80.5	33	1
Dyna-Gro	S49XF43S	80.6	-	-	35	1
Delta Grow	48XF42	79.6	-	-	33	1
Progeny	4806XFS	79.4	83.2	84.5	31	1
Asgrow	AG48X9	78.1	-	-	35	1
Delta Grow	49XF85/STS	77.2	-	-	31	1
Great Heart	GT-4867XF	76.9	-	-	31	1
Asgrow	AG48XF2	75.8	-	-	33	1
Asgrow	AG48XF3	74.6	78.9	-	37	1
Great Heart	GT-4756XF	74.0	78.8	-	29	1
NK Brand	NK47-Z1XF	74.0	75.7	-	41	1
Revere Seed	4795XS	73.6	79.8	81.7	33	1
Revere Seed	4934XF	73.6	-	-	40	1
Revere Seed	4826XFS	73.2	75.4	-	34	1
Great Heart	GT-4762XF	72.0	77.4	-	36	1
Revere Seed	4727XF	71.9	77.4	-	39	1
NK Brand	NK48-A8XFS	70.1	-	-	39	1
Gateway Seed	473XFS	70.1	-	-	36	1
Revere Seed	4731XS	69.1	-	-	41	1
Delta Grow	47XF38	69.0	-	-	43	1
Dyna-Gro	S47XF23S	67.9	77.3	-	32	1
Progeny	4778XFS	67.9	-	-	28	1
Dyna-Gro	S49XF82S	67.9	73.1	-	36	1
Delta Grow	48XF33	67.8	69.4	-	37	1
Progeny	4798XF	67.1	74.7	-	35	1
Progeny	4755XFS	66.9	-	-	29	1
Beck's	4887XF	66.5	-	-	34	1
Mean		74.7				
CV		7.2				
R <sup>2</sup>		63.0				
LSD		8.8				
Error DF		66				

# MAFES DELTA BRANCH, STONEVILLE (loam)

Table 53. Irrigated Maturity Group IV Enlist Soybean Varieties at the MAFES Delta Branch, Stoneville (loam).

Brand	Variety	Yield			Plant height in	Lodging score 1-5
		2023	2-yr. avg.	3-yr. avg.		
		bu/A	bu/A	bu/A		
Innvictis	B4903E	89.5	-	-	28	1
Delta Grow	49E30/STS	86.5	-	-	31	1
Delta Grow	46E30	84.6	-	-	26	1
Delta Grow	49E80	83.6	-	-	33	1
Innvictis	B5013E	81.8	-	-	31	1
Delta Grow	48E59	79.2	78.6	81.7	27	1
Delta Grow	46E10	69.8	66.6	70.9	35	1
Mean		82.2				
CV		8.7				
R <sup>2</sup>		69.0				
LSD		NS				
Error DF		12				

# MAFES DELTA BRANCH, STONEVILLE (loam)

Table 54. Irrigated Maturity Group V Early Roundup Ready Xtend and XtendFlex Soybean Varieties at the MAFES Delta Branch, Stoneville (loam).

Brand	Variety	Yield			Plant height in	Lodging score 1-5
		2023	2-yr. avg.	3-yr. avg.		
		bu/A	bu/A	bu/A		
Great Heart	GT-5417X	80.6	-	-	42	1
Pioneer	P50A08LX	79.6	-	-	33	1
Dyna-Gro	S52XT91	79.0	83.1	82.4	32	1
Delta Grow	52XF22/STS	78.3	80.8	-	42	1
Asgrow	AG56XF2	77.1	80.0	79.9	34	1
NK Brand	NK52-VIXF	77.1	-	-	46	2
Progeny	5056XFS	76.1	77.5	-	45	1
Delta Grow	53XF95/STS	75.4	-	-	37	1
Asgrow	AG53XF2	74.9	76.1	75.3	42	2
Pioneer	P53A67X	73.1	-	-	25	1
Innvictis	A5003XF	72.4	-	-	30	1
Great Heart	GT-5320XF	71.4	-	-	30	2
Revere Seed	5029XF	65.8	70.7	-	46	2
Delta Grow	55X25	65.2	-	-	38	1
Progeny	5641XF	60.4	-	-	51	1
NK Brand	NK54-J9XFS	59.0	-	-	47	1
Great Heart	GT-5214X	58.7	63.7	62.5	36	2
NK Brand	NK56-Z6XFS	57.6	-	-	24	1
Delta Grow	55XF23	51.4	-	-	24	1
Progeny	5441XF	47.5	-	-	49	1
Mean		69.0				
CV		10.9				
R <sup>2</sup>		73				
LSD		12.4				
Error DF		38				

Table 55. Irrigated Maturity Group V Late Roundup Ready Xtend and XtendFlex Soybean Varieties at the MAFES Delta Branch, Stoneville (loam).

Brand	Variety	Yield			Plant height in	Lodging score 1-5
		2023	2-yr <sup>1</sup> avg.	3-yr <sup>1</sup> avg.		
		bu/A	bu/A	bu/A		
Innvictis	A5813XF	56.2	-	-	27	1
Progeny	5751XF	55.3	-	-	19	1
Mean		55.7				
CV		6.2				
R <sup>2</sup>		86				
LSD		NS				
Error DF		2				

<sup>1</sup>No 2 or 3-year average

# RAY HARDY, JR. FARM, TIPPO

Table 56. Non-Irrigated Maturity Group IV Early Roundup Ready Xtend and XtendFlex Soybean Varieties at Ray Hardy, Jr., Farm, Tippoo.

Brand	Variety	Yield			Plant height	Lodging score
		2023	2-yr. avg.	3-yr. avg.		
		bu/A	bu/A	bu/A	in	1-5
Progeny	4665XFS	43.9	-	-	29	1
Dyna-Gro	S42XF93S	41.2	-	-	22	1
Dyna-Gro	S46XF31S	40.7	40.7	42.4	25	1
Gateway Seed	457XFS	39.9	-	-	30	1
Delta Grow	46XF54	39.4	-	-	29	1
NK Brand	NK46-B4XFS	39.1	-	-	26	1
Progeny	4623XFS	38.2	-	-	19	1
Great Heart	GT-4538XFS	38.2	-	-	29	1
Revere Seed	4606XFS	38.0	44.8	-	24	1
Great Heart	GT-4366XFS	37.9	-	-	21	1
Revere Seed	4415XF	37.6	46.0	48.4	22	1
Armor	46-F96	37.1	35.7	-	25	1
Don Mario	DM45F23	36.6	-	-	23	1
Progeny	4604XFS	36.0	41.0	43.2	25	1
Asgrow	AG46XF3	35.1	44.8	-	24	1
Gateway Seed	469XF	34.6	36.2	-	22	1
Great Heart	GT-4681XFS	34.3	40.5	42.2	27	1
Gateway Seed	461XFS	33.8	-	-	21	1
Armor	45-F02	33.3	39.1	-	29	1
NK Brand	NK43-Y9XFS	33.0	34.5	-	21	1
Progeny	4691XFS	32.1	36.0	-	22	1
Asgrow	AG45XF3	30.8	40.4	-	24	1
NK Brand	NK44-J4XFS	30.5	34.0	-	24	1
Beck's	4337XF	30.2	-	-	22	1
Asgrow	AG39XF3	30.2	-	-	19	1
Delta Grow	44XF75/STS	30.1	-	-	22	1
Pioneer	P44A21X	29.9	-	-	25	1
Delta Grow	46X65/STS	29.8	40.1	39.4	22	1
Armor	44-D49	29.3	36.3	41.5	25	1
Revere Seed	4526XF	28.7	40.2	-	24	1
NK Brand	NK42-T5XF	28.1	35.7	-	19	1
Great Heart	GT-4677XS	26.5	36.3	38.0	20	1
Mean		34.5				
CV		11.0				
R <sup>2</sup>		73				
LSD		6.3				
Error DF		64				

# RAY HARDY, JR. FARM, TIPPO

Table 57. Non-Irrigated Maturity Group IV Late Roundup Ready Xtend and XtendFlex Soybean Varieties at Ray Hardy, Jr., Farm, Tippoo.

Brand	Variety	Yield			Plant height in	Lodging score 1-5
		2023	2-yr. avg.	3-yr. avg.		
		bu/A	bu/A	bu/A		
NK Brand	NK47-Z1XF	41.3	44.8	-	26	1
NK Brand	NK48-A8XFS	40.4	-	-	26	1
Gateway Seed	473XFS	39.8	-	-	25	1
Progeny	4806XFS	39.5	37.5	42.7	20	1
Revere Seed	4934XF	37.5	-	-	20	1
Innictis	A4862XF	37.2	-	-	22	1
Asgrow	AG49XF4	36.9	-	-	25	1
Revere Seed	4731XS	36.8	-	-	22	1
Delta Grow	48XF33	35.3	40.6	-	22	1
Dyna-Gro	S49XF82S	34.4	36.7	-	25	1
Beck's	4887XF	33.8	-	-	17	1
Asgrow	AG48XF2	33.8	-	-	19	1
Progeny	4947XFS	33.7	-	-	25	1
Delta Grow	48X45	33.7	38.4	41.9	18	1
Asgrow	AG48X9	33.3	-	-	28	1
NK Brand	NK49-C2XFS	33.0	-	-	22	1
Dyna-Gro	S49XF43S	32.9	-	-	23	1
Dyna-Gro	S47XF23S	32.7	38.2	-	22	1
Pioneer	P47A64X	32.7	-	-	22	1
Great Heart	GT-4867XF	32.5	-	-	20	1
Asgrow	AG47XF2	32.1	-	-	17	1
Great Heart	GT-4762XF	31.9	36.9	-	23	1
Asgrow	AG48XF3	31.9	40.0	-	23	1
Don Mario	DM48F53	31.0	-	-	19	1
Progeny	4755XFS	30.6	-	-	24	1
Revere Seed	4727XF	30.1	36.7	-	21	1
Revere Seed	4795XS	30.1	40.3	43.2	21	1
Revere Seed	4826XFS	30.0	35.7	-	21	1
Progeny	4778XFS	29.6	-	-	21	1
Delta Grow	47XF38	28.8	-	-	22	1
Delta Grow	49XF85/STS	28.5	-	-	21	1
Great Heart	GT-4756XF	27.7	35.8	-	19	1
Progeny	4798XF	27.4	39.9	-	25	1
Delta Grow	48XF42	27.4	-	-	21	1
Mean		33.2				
CV		12.3				
R <sup>2</sup>		60.0				
LSD		6.6				
Error DF		66				

# MAFES NORTHEAST MS BRANCH, VERONA

Table 58. Non-irrigated Maturity Group IV Early Roundup Ready Xtend and XtendFlex Soybean Varieties at the MAFES Northeast MS Branch, Verona.

Brand	Variety	Yield			Plant height in	Lodging score 1-5
		2023	2-yr. avg.	3-yr. avg.		
		bu/A	bu/A	bu/A		
Gateway Seed	457XFS	94.8	-	-	39	1
Great Heart	GT-4538XFS	92.0	-	-	36	1
Progeny	4665XFS	91.4	-	-	33	1
Revere Seed	4415XF	89.9	81.1	80.6	25	1
Delta Grow	46XF54	88.4	-	-	33	1
Revere Seed	4606XFS	87.9	80.9	-	35	1
Armor	46-F96	87.5	82.5	-	32	1
Gateway Seed	469XF	87.2	78.7	-	30	1
Dyna-Gro	S46XF31S	85.8	76.4	75.9	34	1
Revere Seed	4526XF	84.7	75.8	-	32	1
Progeny	4623XFS	84.5	-	-	23	1
Dyna-Gro	S42XF93S	83.6	-	-	31	1
Great Heart	GT-4677XS	83.2	75.0	79.9	26	1
Don Mario	DM45F23	83.2	-	-	26	1
Delta Grow	46X65/STS	82.8	79.2	80.6	28	1
Armor	45-F02	82.3	74.9	-	35	1
Pioneer	P44A21X	81.6	-	-	32	1
Great Heart	GT-4681XFS	80.0	72.4	72.4	32	1
Asgrow	AG46XF3	79.0	76.4	-	27	1
NK Brand	NK46-B4XFS	79.0	-	-	29	1
Asgrow	AG45XF3	77.6	73.6	-	23	1
Progeny	4604XFS	76.3	72.0	74.5	34	1
Gateway Seed	461XFS	76.1	-	-	31	1
NK Brand	NK42-T5XF	75.3	67.5	-	25	1
Armor	44-D49	74.8	72.1	74.5	30	1
NK Brand	NK43-Y9XFS	74.6	65.0	-	29	1
Great Heart	GT-4366XFS	73.0	-	-	30	1
Progeny	4691XFS	69.8	65.8	-	32	1
Beck's	4337XF	68.7	-	-	25	1
NK Brand	NK44-J4XFS	68.5	58.3	-	27	1
Asgrow	AG39XF3	64.6	-	-	26	1
Delta Grow	44XF75/STS	64.1	-	-	28	1
Mean		80.4				
CV		8.1				
R <sup>2</sup>		73				
LSD		10.6				
Error DF		64				



# MAFES NORTHEAST MS BRANCH, VERONA

Table 59. Non-Irrigated Maturity Group IV Late Roundup Ready Xtend and XtendFlex Soybean Varieties at the MAFES Northeast MS Branch, Verona.

Brand	Variety	Yield			Plant height	Lodging score
		2023	2-yr. avg.	3-yr. avg.		
		bu/A	bu/A	bu/A	in	1-5
Progeny	4947XFS	101.1	-	-	35	1
Revere Seed	4934XF	99.4	-	-	33	1
Progeny	4798XF	92.8	83.7	-	33	1
Great Heart	GT-4762XF	91.9	85.8	-	32	1
Pioneer	P47A64X	91.8	-	-	33	1
Revere Seed	4731XS	90.0	-	-	28	1
Dyna-Gro	S49XF43S	88.5	-	-	32	1
Dyna-Gro	S47XF23S	88.2	75.3	-	32	1
Dyna-Gro	S49XF82S	87.8	75.7	-	33	1
NK Brand	NK48-A8XFS	87.6	-	-	33	1
Asgrow	AG48X9	87.6	-	-	33	1
Revere Seed	4795XS	87.3	77.6	74.9	36	1
Revere Seed	4826XFS	87.0	78.7	-	30	1
Delta Grow	48XF42	86.7	-	-	26	1
Progeny	4806XFS	85.9	68.3	71.7	30	1
Asgrow	AG48XF3	84.7	80.0	-	33	1
NK Brand	NK49-C2XFS	84.1	-	-	31	1
Delta Grow	48X45	83.0	76.5	75.9	29	1
Progeny	4778XFS	82.2	-	-	31	1
NK Brand	NK47-Z1XF	82.2	79.3	-	32	1
Delta Grow	48XF33	82.0	71.3	-	33	1
Revere Seed	4727XF	79.7	70.8	-	28	1
Delta Grow	49XF85/STS	78.8	-	-	29	1
Asgrow	AG49XF4	78.4	-	-	31	1
Gateway Seed	473XFS	76.1	-	-	34	1
Beck's	4887XF	76.1	-	-	30	1
Great Heart	GT-4756XF	74.2	69.0	-	26	1
Don Mario	DM48F53	74.1	-	-	26	1
Progeny	4755XFS	73.2	-	-	31	1
Asgrow	AG47XF2	71.8	-	-	26	1
Asgrow	AG48XF2	69.2	-	-	28	1
Inn victis	A4862XF	67.1	-	-	28	1
Delta Grow	47XF38	66.4	-	-	36	1
Great Heart	GT-4867XF	65.2	-	-	26	1
Mean		82.4				
CV		7.3				
R <sup>2</sup>		78.0				
LSD		9.8				
Error DF		66				

# MAFES NORTHEAST MS BRANCH, VERONA

Table 60. Non-Irrigated Maturity Group IV Enlist Soybean Varieties at the MAFES Northeast MS Branch, Verona.

Brand	Variety	Yield			Plant height	Lodging score
		2023	2-yr. avg.	3-yr. avg.		
		bu/A	bu/A	bu/A	in	1-5
Delta Grow	49E30/STS	73.8	-	-	26	1
Delta Grow	48E59	70.9	71.0	69.8	27	1
Delta Grow	46E10	69.4	62.5	60.1	31	1
Innvictis	B4903E	68.2	-	-	29	1
Innvictis	B5013E	65.4	-	-	23	1
Delta Grow	46E30	64.6	-	-	29	1
Delta Grow	49E80	63.0	-	-	23	1
Mean		67.9				
CV		9.7				
R <sup>2</sup>		72.0				
LSD		NS				
Error DF		12				

# MAFES NORTHEAST MS BRANCH, VERONA

Table 61. Non-Irrigated Maturity Group V Early Roundup Ready Xtend and XtendFlex Soybean Varieties at the MAFES Northeast MS Branch, Verona.

Brand	Variety	Yield			Plant height	Lodging score
		2023	2-yr. avg.	3-yr. avg.		
		bu/A	bu/A	bu/A	in	1-5
NK Brand	NK54-J9XFS	103.0	-	-	42	1
Progeny	5641XF	99.8	-	-	36	1
Progeny	5441XF	87.2	-	-	45	1
Progeny	5056XFS	81.9	81.4	-	33	1
Revere Seed	5029XF	81.7	82.1	-	34	1
Asgrow	AG56XF2	80.1	81.2	86.6	24	1
Delta Grow	55X25	78.6	-	-	27	1
Pioneer	P53A67X	77.6	-	-	19	1
Great Heart	GT-5214X	76.1	77.6	80.4	35	1
Great Heart	GT-5417X	74.9	-	-	32	1
Dyna-Gro	S52XT91	74.7	73.8	73.6	32	1
NK Brand	NK56-Z6XFS	67.8	-	-	18	1
NK Brand	NK52-V1XF	67.6	-	-	28	1
Asgrow	AG53XF2	67.5	68.8	68.7	29	1
Great Heart	GT-5320XF	66.2	-	-	29	1
Delta Grow	52XF22/STS	66.2	73.8	-	29	1
Delta Grow	55XF23	60.7	-	-	18	1
Innictis	A5003XF	53.7	-	-	32	1
Pioneer	P50A08LX	52.7	-	-	30	1
Delta Grow	53XF95/STS	50.1	-	-	30	1
Mean		73.4				
CV		10.7				
R <sup>2</sup>		86				
LSD		13				
Error DF		38				

Table 62. Maturity Group V Late Roundup Ready Xtend and XtendFlex NonIrrigated Soybean Varieties (Northeast MS Branch, Verona).

Brand	Variety	Yield			Plant height	Lodging score
		2023	2-yr <sup>1</sup> avg.	3-yr <sup>1</sup> avg.		
		bu/A	bu/A	bu/A	in	1-5
Progeny	5751XF	62.5	-	-	22	1
Innictis	A5813XF	60.9	-	-	20	1
Mean		61.7				
CV		9.2				
R <sup>2</sup>		80				
LSD		NS				
Error DF		2				

<sup>1</sup>No 2 or 3-year average

Table 63. 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 Seed	44-D49	2663	4.4	-	Warden CXII	-	-	-	-
Armor Seed	45-F02	2770	4.5	-	Warden CXII	-	-	-	-
Armor Seed	46-F96	2800	4.6	-	Warden CXII	-	-	-	-
Asgrow	AG45XF3	2750	4.5	-	Accelaron F+I	Tan	Light Tawny	Purple	Black
Asgrow	AG46XF3	2730	4.6	-	Accelaron F+I	Tan	Light Tawny	Purple	Black
Asgrow	AG39XF3	2910	3.9	-	Accelaron F+I	Brown	Light Tawny	White	Black
Beck's	4337XF	2960	4.3	-	Escalate SDS+Nemasect	-	-	-	-
Delta Grow	44XF75/STS	2834	4.4	I	Cruiser Max	Brown	Light Tawny	White	Black
Delta Grow	46X65/STS	2648	4.6	I	Cruiser Max	Tan	Light Tawny	Purple	Black
Delta Grow	46XF54	-	4.6	-	Cruiser Max	Brown	Light Tawny	White	Black
Don Mario	DM45F23 (DM45F61)	3027	4.5	-	-	Tan	Grey	Purple	Black
Dyna-Gro	S42XF93S	2700	4.2	-	-	Brown	Light Tawny	Purple	Black
Dyna-Gro	S46XF31S	2223	4.6	-	-	Brown	Light Tawny	Purple	Black
Gateway Seed	469XF	3300	4.6	-	-	Brown	Grey	Purple	Buff
Gateway Seed	461XFS	3160	4.6	-	-	Brown	Light Tawny	Purple	Black
Gateway Seed	457XFS	2716	4.5	-	-	Brown	Light Tawny	White	Black
Great Heart Seed	GT-4677XS	2672	4.6	-	Great Start Max Plus	Tan	Light Tawny	Purple	Black
Great Heart Seed	GT-4681XFS	2616	4.6	-	Great Start Max Plus	Brown	Light Tawny	Purple	Grey
Great Heart Seed	GT-4366XFS	2460	4.3	-	Great Start Max Plus	Tan	Light Tawny	Purple	Black
Great Heart Seed	GT-4538XFS	3146	4.5	-	Great Start Max Plus	Brown	Light Tawny	White	Black
Innkvictis	A4503XF	3170	4.5	-	F&I	Brown	Light Tawny	White	Black
NK	NK43-Y9XFS	3435	4.3	-	Cruisermaxx APX + Saltro	Brown	Grey	White	Buff
NK	NK44-J4XFS	2575	4.4	-	Cruisermaxx APX + Saltro	Brown	Grey	White	Buff
NK	NK46-B4XFS	3100	4.6	-	Cruisermaxx APX + Saltro	Brown	Light Tawny	White	Black
NK	NK42-T5XF	2722	4.2	-	Cruisermaxx APX + Saltro	Brown	Light Tawny	Purple	Black
Pioneer	P44A21X	2653	4.4	-	FST/IST	Tan	Light Tawny	Purple	-
Progeny	4604XFS	2366	4.6	-	ProServo/S	Brown	Light Tawny	Purple	Black
Progeny	4623XFS	2377	4.6	-	ProServo/S	Brown	Light Tawny	Purple	Black
Progeny	4691XFS	2592	4.6	-	ProServo/S	Brown	Grey	Purple	Imp. Black
Progeny	4665XFS		4.6	-	ProServo/S	Brown	Light Tawny	Purple	Black
Revere	4415XF	2848	4.4	-	Radius 500	Brown	Light Tawny	Purple	-
Revere	4526XF	2398	4.5	-	Radius 500	Tan	Light Tawny	Purple	-
Revere	4606XF	2402	4.6	-	Radius 500	Brown	Light Tawny	Purple	-

Table 64. 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
Asgrow	AG48X9	2950	4.8	-	Acceleron F+I	Tan	Light Tawny	Purple	Black
Asgrow	AG48XF3	2790	4.8	-	Acceleron F+I	Tan	Light Tawny	Purple	Black
Asgrow	AG47XF2	3050	4.7	-	Acceleron F+I	Brown	Light Tawny	Purple	Black
Asgrow	AG48XF2	2500	4.8	-	Acceleron F+I	Brown	Tawny	Purple	Black
Asgrow	AG49XF4	3060	4.9	-	Acceleron F+I	Tan	Tawny	Purple	Black
Beck's	4887XF	3312	4.8	-	Escalate SDS+Nemasect	Brown	Grey	Purple	Black
Delta Grow	47XF38	2988	4.7	I	Cruiser Max	Brown	Light Tawny	Purple	Black
Delta Grow	48XF33	2780	4.8	I	Cruiser Max	Brown	Light Tawny	Purple	Black
Delta Grow	49XF85/STS	3222	4.9	I	Cruiser Max	Tan	Grey	White	Buff
Delta Grow	48XF42	2514	4.8	I	Cruiser Max	-	-	-	-
Delta Grow	48X45	2052	4.8	-	Cruiser Max	Tan	Light Tawny	Purple	Black
Don Mario	DM48F53 (210985)	3027	4.8	-	-	Tan	Light Tawny	Purple	Imp. Black
Dyna-Gro	S47XF23S	3300	4.7	-	-	Tan	Light Tawny	Purple	Black
Dyna-Gro	S49XF43S	3050	4.9	-	-	Tan	Grey	White	Buff
Dyna-Gro	S49XF82	2400	4.9	-	-	Brown	Light Tawny	White	Black
Gateway Seed	473XFS	2916	4.7	-	-	Brown	Grey	Purple	Imp. Black
Great Heart Seed	GT-4762XF	2588	4.7	-	Great Start Max Plus	Brown	Tawny	Purple	Black
Great Heart Seed	GT-4756XF	2860	4.7	-	Great Start Max Plus	Tan	Tawny	Purple	Black
Great Heart Seed	GT-4867XF	2632	4.8	-	Great Start Max Plus	Tan	Light Tawny	White	Black
Innqvictis	A4862XF	2600	4.8	-	F&I	Tan	Light Tawny	White	Black
NK	NK48-ABXFS	2971	4.8	-	Cruisermaxx APX + Saltro	-	-	-	-
NK	NK49-C2XFS	2688	4.9	-	Cruisermaxx APX + Saltro	-	-	-	-
NK	NK47-Z1XF	3100	4.7	-	Cruisermaxx APX + Saltro	Brown	Light Tawny	Purple	Black
Pioneer	P47A64X	2915	4.7	-	FST/IST	Brown	Grey	Purple	-
Progeny	4755XFS	2756	4.7	-	ProServo/S	Brown	Light Tawny	Purple	Black
Progeny	4798XF	2438	4.7	-	ProServo/S	Tan	Tawny	Purple	Black
Progeny	4806XFS	2023	4.8	-	ProServo/S	Brown	Tawny	White	Black
Progeny	4947XFS	2534	4.9	-	ProServo/S	Tan	Light Tawny	Purple	Black
Progeny	4778XFS	2493	4.8	-	ProServo/S	-	-	-	-
Revere	4795XS	2491	4.7	-	Radius 500	Tan	Light Tawny	Purple	-
Revere	4826XFS	2236	4.8	-	Radius 500	Tan	Light Tawny	Purple	-
Revere	4731XF	2592	4.7	-	Radius 500	-	-	-	-
Revere	4727XF	2870	4.7	-	Radius 500	Brown	Light Tawny	White	-
Revere	4934XF	2641	4.9	-	Radius 500	-	-	-	-

Table 65. 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	46E10	2581	4.6	I	Cruiser Max	Brown	Grey	White	Buff
Delta Grow	46E30	2735	4.6	I	Cruiser Max	Brown	Light Tawny	Purple	Black
Delta Grow	48E59	2840	4.8	I	Cruiser Max	Brown	Grey	White	Buff
Delta Grow	49E30/STS	2700	4.9	I	Cruiser Max	Brown	Grey	White	Buff
Delta Grow	49E80	3190	4.9	I	Cruiser Max	Brown	Grey	Purple	Imp. Black
Inn victis	B4903E	2712	4.9	-	F&I	Brown	Light Tawny	White	Black
Inn victis	B5013E	3120	5	-	F&I	Brown	Grey	White	Buff

Table 66. 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	2790	5.3	-	Acceleron F+I	Tan	Light Tawny	Purple	Black
Asgrow	AG56XF2	3000	5.6	-	Acceleron F+I	Tan	Light Tawny	White	Black
Delta Grow	52XF22/STS	3030	5.2	I	Cruiser Max	Tan	Light Tawny	Purple	Black
Delta Grow	53XF95/STS	3264	5.3	I	Cruiser Max	Tan	Grey	White	Buff
Delta Grow	55X25	2500	5.5	-	Cruiser Max	Tan	Tawny	White	Black
Delta Grow	55XF23	2610	5.5	-	Cruiser Max	Tan	Tawny	White	Black
Dyna-Gro	S52XT91	2758	5.2	-	-	Tan	Tawny	Purple	Black
Great Heart Seed	GT-5214X	3044	5.2	-	Great Start Max Plus	Tan	Tawny	Purple	Black
Great Heart Seed	GT-5320XF	2925	5.3	-	Great Start Max Plus	Brown	Light Tawny	White	Black
Great Heart Seed	GT-5417X	3348	5.4	-	Great Start Max Plus	Tan	Tawny	Purple	Black
Inn victis	A5003XF	3725	5	-	F&I	Tan	Grey	White	Buff
NK	NK52-V1XF	2514	5.2	-	Cruisermaxx APX + Saltro	-	-	-	-
NK	NK54-J9XFS	3082	5.4	-	Cruiser Max + Saltro	-	-	-	-
NK	NK56-Z6XFS	2760	5.6	-	Cruiser Max + Saltro	-	-	-	-
Pioneer	P53A67X	3416	5.3	-	FST/IST	Tan	Tawny	White	-
Pioneer	P50A08LX	-	5	-	FST/IST	Brown	Grey	Purple	-
Progeny	5056XFS	2277	5	-	ProServo/S	Brown	Light Tawny	Purple	Black
Progeny	5441XF	2598	5.4	-	ProServo/S	Brown	Grey	Purple	Imp. Black
Progeny	5641XF	2895	5.6	-	ProServo/S	Tan	Grey	White	Buff
Revere	5029XF	2235	5	-	Radius 500	Brown	Light Tawny	Purple	-

Table 67. 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
Inn victis	A5813XF	2800	5.8	F&I	Tan	Tawny	White	Black
Progeny	5751XF	2487	5.7	ProServo/S	Tan	Tawny	White	Black

Table 68. Summary of Damage Kernel Total (DKT) by Variety for MG IV Early Xtend/XtendFlex for the 2023 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 %
Armor	44-D49	IV Early	Xtend/ XtendFlex	4/25	9/19	7.6	4/18	9/21	1.3	4/20	9/25	1.1	3.3
Armor	45-F02	IV Early	Xtend/ XtendFlex	4/25	9/19	4.7	4/18	9/21	0.5	4/20	9/25	2.1	2.4
Armor	46-F96	IV Early	Xtend/ XtendFlex	4/25	9/19	6.9	4/18	9/21	1.0	4/20	9/25	1.1	3.0
Asgrow	AG39XF3	IV Early	Xtend/ XtendFlex	4/25	9/19	3.8	4/18	9/21	1.2	4/20	9/25	2.9	2.6
Asgrow	AG45XF3	IV Early	Xtend/ XtendFlex	4/25	9/19	3.3	4/18	9/21	0.4	4/20	9/25	0.8	1.5
Asgrow	AG46XF3	IV Early	Xtend/ XtendFlex	4/25	9/19	7.7	4/18	9/21	0.8	4/20	9/25	1.3	3.3
Beck's	4337XF	IV Early	Xtend/ XtendFlex	4/25	9/19	4.5	4/18	9/21	0.8	4/20	9/25	1.0	2.1
Delta Grow	44XF75/STS	IV Early	Xtend/ XtendFlex	4/25	9/19	1.7	4/18	9/21	0.7	4/20	9/25	4.5	2.3
Delta Grow	46X65/STS	IV Early	Xtend/ XtendFlex	4/25	9/19	4.8	4/18	9/21	1.2	4/20	9/25	0.9	2.3
Delta Grow	46XF54	IV Early	Xtend/ XtendFlex	4/25	9/19	10.1	4/18	9/21	0.4	4/20	9/25	0.6	3.7
Don Mario	DM45F23	IV Early	Xtend/ XtendFlex	4/25	9/19	4.6	4/18	9/21	0.4	4/20	9/25	0.9	2.0
Dyna-Gro	S42XF93S	IV Early	Xtend/ XtendFlex	4/25	9/19	6.8	4/18	9/21	1.2	4/20	9/25	0.4	2.8
Dyna-Gro	S46XF31S	IV Early	Xtend/ XtendFlex	4/25	9/19	3.9	4/18	9/21	0.8	4/20	9/25	0.5	1.7
Gateway Seed	457XFS	IV Early	Xtend/ XtendFlex	4/25	9/19	10.4	4/18	9/21	0.5	4/20	9/25	1.0	4.0
Gateway Seed	461XFS	IV Early	Xtend/ XtendFlex	4/25	9/19	3.1	4/18	9/21	1.7	4/20	9/25	0.8	1.9
Gateway Seed	469XF	IV Early	Xtend/ XtendFlex	4/25	9/19	6.1	4/18	9/21	1.0	4/20	9/25	1.9	3.0
Great Heart	GT-4366XFS	IV Early	Xtend/ XtendFlex	4/25	9/19	1.5	4/18	9/21	1.2	4/20	9/25	0.2	1.0
Great Heart	GT-4538XFS	IV Early	Xtend/ XtendFlex	4/25	9/19	3.0	4/18	9/21	0.8	4/20	9/25	0.4	1.4
Great Heart	GT-4677XS	IV Early	Xtend/ XtendFlex	4/25	9/19	3.3	4/18	9/21	1.0	4/20	9/25	1.0	1.8
Great Heart	GT-4681XFS	IV Early	Xtend/ XtendFlex	4/25	9/19	2.2	4/18	9/21	0.4	4/20	9/25	2.1	1.6
NK Brand	NK42-T5XF	IV Early	Xtend/ XtendFlex	4/25	9/19	11.0	4/18	9/21	1.5	4/20	9/25	2.4	5.0
NK Brand	NK43-Y9XFS	IV Early	Xtend/ XtendFlex	4/25	9/19	10.3	4/18	9/21	0.7	4/20	9/25	1.2	4.1
NK Brand	NK44-J4XFS	IV Early	Xtend/ XtendFlex	4/25	9/19	9.9	4/18	9/21	0.3	4/20	9/25	1.9	4.0
NK Brand	NK46-B4XFS	IV Early	Xtend/ XtendFlex	4/25	9/19	1.9	4/18	9/21	0.4	4/20	9/25	1.9	1.4

Table 68. Summary of Damage Kernel Total (DKT) by Variety for MG IV Early Xtend/XtendFlex for the 2023 Mississippi Soybean Variety Trials (continued).

				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 %
Pioneer	P44A21X	IV Early	Xtend/ XtendFlex	4/25	9/19	4.5	4/18	9/21	0.5	4/20	9/25	0.2	1.7
Progeny	4604XFS	IV Early	Xtend/ XtendFlex	4/25	9/19	6.9	4/18	9/21	1.0	4/20	9/25	1.2	3.0
Progeny	4623XFS	IV Early	Xtend/ XtendFlex	4/25	9/19	4.3	4/18	9/21	1.4	4/20	9/25	1.3	2.3
Progeny	4665XFS	IV Early	Xtend/ XtendFlex	4/25	9/19	7.2	4/18	9/21	1.5	4/20	9/25	1.5	3.4
Progeny	4691XFS	IV Early	Xtend/ XtendFlex	4/25	9/19	5.5	4/18	9/21	0.4	4/20	9/25	1.0	2.3
Revere Seed	4415XF	IV Early	Xtend/ XtendFlex	4/25	9/19	3.3	4/18	9/21	0.7	4/20	9/25	2.1	2.0
Revere Seed	4526XF	IV Early	Xtend/ XtendFlex	4/25	9/19	7.6	4/18	9/21	0.8	4/20	9/25	0.8	3.1
Revere Seed	4606XFS	IV Early	Xtend/ XtendFlex	4/25	9/19	6.4	4/18	9/21	0.7	4/20	9/25	1.1	2.7



Table 69a. Summary of Damage Kernel Total (DKT) by Variety for MG IV Late Xtend/XtendFlex for the 2023 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	AG48X9	IV Late	Xtend/ XtendFlex	4/25	9/19	3.7	4/18	9/21	0.9	4/20	9/25	2.8	2.5
Asgrow	AG47XF2	IV Late	Xtend/ XtendFlex	4/25	9/19	2.7	4/18	9/21	0.2	4/20	9/25	0.9	1.3
Asgrow	AG48XF2	IV Late	Xtend/ XtendFlex	4/25	9/19	4.7	4/18	9/21	1.7	4/20	9/25	1.8	2.7
Asgrow	AG48XF3	IV Late	Xtend/ XtendFlex	4/25	9/19	2.7	4/18	9/21	1.0	4/20	9/25	1.2	1.6
Asgrow	AG49XF4	IV Late	Xtend/ XtendFlex	4/25	9/19	5.4	4/18	9/21	0.5	4/20	9/25	0.8	2.2
Beck's	4887XF	IV Late	Xtend/ XtendFlex	4/25	9/19	7.8	4/18	9/21	0.6	4/20	9/25	0.9	3.1
Delta Grow	48X45	IV Late	Xtend/ XtendFlex	4/25	9/19	3.0	4/18	9/21	1.2	4/20	9/25	1.8	2.0
Delta Grow	48XF33	IV Late	Xtend/ XtendFlex	4/25	9/19	8.4	4/18	9/21	0.5	4/20	9/25	2.8	3.9
Delta Grow	47XF38	IV Late	Xtend/ XtendFlex	4/25	9/19	3.2	4/18	9/21	0.5	4/20	9/25	2.1	1.9
Delta Grow	49XF85/STS	IV Late	Xtend/ XtendFlex	4/25	9/19	1.1	4/18	9/21	0.3	4/20	9/25	1.7	1.0
Delta Grow	48XF42	IV Late	Xtend/ XtendFlex	4/25	9/19	2.4	4/18	9/21	0.8	4/20	9/25	0.9	1.4
Don Mario	DM48F53	IV Late	Xtend/ XtendFlex	4/25	9/19	4.5	4/18	9/21	0.9	4/20	9/25	0.8	2.1
Dyna-Gro	S49XF82S	IV Late	Xtend/ XtendFlex	4/25	9/19	13.3	4/18	9/21	0.4	4/20	9/25	0.2	4.6
Dyna-Gro	S47XF23S	IV Late	Xtend/ XtendFlex	4/25	9/19	4.3	4/18	9/21	0.7	4/20	9/25	1.3	2.1
Dyna-Gro	S49XF43S	IV Late	Xtend/ XtendFlex	4/25	9/19	13.9	4/18	9/21	0.5	4/20	9/25	0.8	5.1
Gateway Seed	473XFS	IV Late	Xtend/ XtendFlex	4/25	9/19	4.0	4/18	9/21	0.1	4/20	9/25	1.6	1.9
Great Heart	GT-4756XF	IV Late	Xtend/ XtendFlex	4/25	9/19	2.8	4/18	9/21	0.5	4/20	9/25	2.0	1.8
Great Heart	GT-4762XF	IV Late	Xtend/ XtendFlex	4/25	9/19	4.2	4/18	9/21	1.3	4/20	9/25	1.9	2.5
Great Heart	GT-4867XF	IV Late	Xtend/ XtendFlex	4/25	9/19	3.1	4/18	9/21	0.7	4/20	9/25	1.7	1.8
Innvictis	A4862XF	IV Late	Xtend/ XtendFlex	4/25	9/19	3.4	4/18	9/21	0.4	4/20	9/25	2.1	2.0
NK Brand	NK47-Z1XF	IV Late	Xtend/ XtendFlex	4/25	9/19	3.2	4/18	9/21	0.3	4/20	9/25	0.4	1.3
NK Brand	NK48-A8XFS	IV Late	Xtend/ XtendFlex	4/25	9/19	3.9	4/18	9/21	1.0	4/20	9/25	1.1	2.0
NK Brand	NK49-C2XFS	IV Late	Xtend/ XtendFlex	4/25	9/19	2.9	4/18	9/21	0.5	4/20	9/25	1.3	1.6
Pioneer	P47A64X	IV Late	Xtend/ XtendFlex	4/25	9/19	4.2	4/18	9/21	0.7	4/20	9/25	1.8	2.2

Table 69b. Summary of Damage Kernel Total (DKT) by Variety for MG IV Early Xtend/XtendFlex for the 2023 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 %
Progeny	4798XF	IV Late	Xtend/ XtendFlex	4/25	9/19	3.8	4/18	9/21	1.1	4/20	9/25	1.7	2.2
Progeny	4806XFS	IV Late	Xtend/ XtendFlex	4/25	9/19	6.8	4/18	9/21	1.1	4/20	9/25	2.0	3.3
Progeny	4755XFS	IV Late	Xtend/ XtendFlex	4/25	9/19	14.4	4/18	9/21	0.7	4/20	9/25	1.2	5.4
Progeny	4947XFS	IV Late	Xtend/ XtendFlex	4/25	9/19	4.3	4/18	9/21	0.5	4/20	9/25	0.5	1.8
Progeny	4778XFS	IV Late	Xtend/ XtendFlex	4/25	9/19	1.5	4/18	9/21	0.5	4/20	9/25	1.1	1.0
Revere Seed	4795XS	IV Late	Xtend/ XtendFlex	4/25	9/19	4.0	4/18	9/21	1.5	4/20	9/25	2.0	2.5
Revere Seed	4727XF	IV Late	Xtend/ XtendFlex	4/25	9/19	3.3	4/18	9/21	0.7	4/20	9/25	0.3	1.4
Revere Seed	4826XFS	IV Late	Xtend/ XtendFlex	4/25	9/19	12.8	4/18	9/21	1.0	4/20	9/25	0.8	4.9
Revere Seed	4731XS	IV Late	Xtend/ XtendFlex	4/25	9/19	3.4	4/18	9/21	0.2	4/20	9/25	0.3	1.3
Revere Seed	4934XF	IV Late	Xtend/ XtendFlex	4/25	9/19	4.3	4/18	9/21	0.5	4/20	9/25	0.7	1.8

Table 70. Summary of Damage Kernel Total (DKT) by Variety for MG IV Enlist for the 2023 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	46E10	IV	Enlist	4/25	9/19	5.3	4/18	10/9	0.3	4/20	10/10	1.5	2.4
Delta Grow	46E30	IV	Enlist	4/25	9/19	3.8	4/18	10/9	1.9	4/20	10/10	1.5	2.4
Delta Grow	48E59	IV	Enlist	4/25	9/19	3.7	4/18	10/9	0.3	4/20	10/10	2.0	2.0
Delta Grow	49E30/STS	IV	Enlist	4/25	9/19	3.2	4/18	10/9	0.5	4/20	10/10	0.8	1.5
Delta Grow	49E80	IV	Enlist	4/25	9/19	5.2	4/18	10/9	0.6	4/20	10/10	1.5	2.4
Innvictis	B4903E	IV	Enlist	4/25	9/19	6.3	4/18	10/9	0.6	4/20	10/10	2.9	3.3
Innvictis	B5013E	IV	Enlist	4/25	9/19	0.9	4/18	10/9	0.7	4/20	10/10	1.2	0.9

**Table 71. Summary of Damage Kernel Total (DKT) by Variety for MG V Early Xtend/XtendFlex for the 2023 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/XtendFlex	4/25	9/19	4.9	4/18	9/21	0.5	4/20	9/25	2.5	2.6
Asgrow	AG56XF2	V Early	Xtend/XtendFlex	4/25	9/19	4.8	4/18	9/21	0.4	4/20	9/25	1.9	2.4
Delta Grow	52XF22/STS	V Early	Xtend/XtendFlex	4/25	9/19	5.9	4/18	9/21	1.7	4/20	9/25	2.2	3.3
Delta Grow	53XF95/STS	V Early	Xtend/XtendFlex	4/25	9/19	2.8	4/18	9/21	1.5	4/20	9/25	3.3	2.5
Delta Grow	55X25	V Early	Xtend/XtendFlex	4/25	9/19	3.6	4/18	9/21	0.7	4/20	9/25	0.5	1.6
Delta Grow	55XF23	V Early	Xtend/XtendFlex	4/25	9/19	26.8	4/18	9/21	0.7	4/20	9/25	0.4	9.3
Dyna-Gro	S52XT91	V Early	Xtend/XtendFlex	4/25	9/19	4.6	4/18	9/21	0.6	4/20	9/25	1.4	2.2
Great Heart	GT-5214X	V Early	Xtend/XtendFlex	4/25	9/19	5.8	4/18	9/21	0.4	4/20	9/25	0.3	2.2
Great Heart	GT-5417X	V Early	Xtend/XtendFlex	4/25	9/19	5.9	4/18	9/21	0.2	4/20	9/25	0.9	2.3
Great Heart	GT-5320XF	V Early	Xtend/XtendFlex	4/25	9/19	7.4	4/18	9/21	0.3	4/20	9/25	2.3	3.3
Innvictis	A5003XF	V Early	Xtend/XtendFlex	4/25	9/19	6.3	4/18	9/21	0.5	4/20	9/25	2.8	3.2
NK Brand	NK52-V1XF	V Early	Xtend/XtendFlex	4/25	9/19	4.4	4/18	9/21	1.2	4/20	9/25	2.4	2.7
NK Brand	NK54-J9XFS	V Early	Xtend/XtendFlex	4/25	9/19	5.2	4/18	9/21	0.9	4/20	9/25	0.4	2.2
NK Brand	NK56-Z6XFS	V Early	Xtend/XtendFlex	4/25	9/19	8.0	4/18	9/21	1.4	4/20	9/25	2.5	4.0
Pioneer	P53A67X	V Early	Xtend/XtendFlex	4/25	9/19	2.7	4/18	9/21	0.4	4/20	9/25	0.5	1.2
Pioneer	P50A08LX	V Early	Xtend/XtendFlex	4/25	9/19	4.3	4/18	9/21	1.7	4/20	9/25	2.1	2.7
Progeny	5056XFS	V Early	Xtend/XtendFlex	4/25	9/19	3.4	4/18	9/21	1.4	4/20	9/25	2.6	2.5
Progeny	5441XF	V Early	Xtend/XtendFlex	4/25	9/19	12.7	4/18	9/21	0.4	4/20	9/25	0.4	4.5
Progeny	5641XF	V Early	Xtend/XtendFlex	4/25	9/19	5.8	4/18	9/21	1.3	4/20	9/25	0.8	2.6
Revere Seed	5029XF	V Early	Xtend/XtendFlex	4/25	9/19	8.4	4/18	9/21	2.0	4/20	9/25	1.0	3.8

**Table 72. Summary of Damage Kernel Total (DKT) by Variety for MG V Late Xtend/XtendFlex for the 2023 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 %
Progeny	5751XF	V Late	Xtend/XtendFlex	4/25	9/19	22.3	4/18	10/9	1.4	4/20	10/10	1.4	8.4
Innvictis	A5813XF	V Late	Xtend/XtendFlex	4/25	9/19	12.3	4/18	10/9	1.0	4/20	10/10	0.6	4.6

Table 73. Commercial Varieties Entered.

Company		Variety		
Gateway Seed	Gateway Seed	473XFS		
	Gateway Seed	469XF		
	Gateway Seed	461XFS		
	Gateway Seed	457XFS		
Delta Grow Seed P.O. Box 219 England, AR 72046	Delta Grow	46E10	Delta Grow	46X65/STS
	Delta Grow	46E30	Delta Grow	46XF54
	Delta Grow	48E59	Delta Grow	47XF38
	Delta Grow	49E30/STS	Delta Grow	48XF33
	Delta Grow	49E80	Delta Grow	49XF85/STS
	Delta Grow	52XF22/STS	Delta Grow	48XF42
	Delta Grow	53XF95/STS	Delta Grow	48X45
	Delta Grow	55X25		
	Delta Grow	55XF23		
	Delta Grow	44XF75/STS		
Nutrien Ag Solutions/ Dyna-Gro Seed 254 US Hwy 72 West Collierville, TN 38014	Dyna-Gro	S52XT91		
	Dyna-Gro	S42XF93S		
	Dyna-Gro	S46XF31S		
	Dyna-Gro	S47XF23S		
	Dyna-Gro	S49XF43S		
	Dyna-Gro	S49XF82		
Great Heart Seed 220 West Washington Street Paris, IL 61944	Great Heart Seed	GT-5214X	Great Heart Seed	GT-4366XFS
	Great Heart Seed	GT-5320XF	Great Heart Seed	GT-4538XFS
	Great Heart Seed	GT-5417X	Great Heart Seed	GT-4762XF
	Great Heart Seed	GT-4677XS	Great Heart Seed	GT-4756XF
	Great Heart Seed	GT-4681XFS		
	Great Heart Seed	GT-4867XF		
Bayer Crop Science 800 N. Lindbergh Blvd. St. Louis, MO 63167	Asgrow	AG53XF2	Asgrow	AG48X9
	Asgrow	AG56XF2	Asgrow	AG48XF3
	Asgrow	AG45XF3	Asgrow	AG47XF2
	Asgrow	AG46XF3	Asgrow	AG48XF2
	Asgrow	AG39XF3		
	Asgrow	AG49XF4		
Progeny Ag Products 1529 Hwy 193 Wynne, AR 72396	Progeny	5056XFS	Progeny	4755XFS
	Progeny	5441XF	Progeny	4798XF
	Progeny	5641XF	Progeny	4806XFS
	Progeny	5751XF	Progeny	4947XFS
	Progeny	4604XFS	Progeny	4778XFS
	Progeny	4623XFS	Progeny	
	Progeny	4691XFS	Progeny	
	Progeny	4665XFS	Progeny	
	Progeny			
	Progeny			

Table 73. Commercial Varieties Entered.

Company		Variety		
NK Seeds 5210 State Road 945 Hickory, KY 42051	NK Seeds	NK52-V1XF	NK Seeds	NK42-T5XF
	NK Seeds	NK54-J9XFS	NK Seeds	NK48-A8XFS
	NK Seeds	NK56-Z6XFS	NK Seeds	NK49-C2XFS
	NK Seeds	NK43-Y9XFS	NK Seeds	NK47-Z1XF
	NK Seeds	NK44-J4XFS		
	NK Seeds	NK46-B4XFS		
Innvictis Seed	Innvictis Seed	B4903E		
	Innvictis Seed	B5013E		
	Innvictis Seed	A5003XF		
	Innvictis Seed	A5813XF		
	Innvictis Seed	A4862XF		
	Innvictis Seed	A4503XF		
Beck's Hybrids	Beck's Hybrids	4337XF		
	Beck's Hybrids	4887XF		
Pioneer Seed	Pioneer	P53A67X		
	Pioneer	P50A08LX		
	Pioneer	P44A21X		
	Pioneer	P47A64X		
Revere Seed	Revere	5029XF	Revere	4795XS
	Revere	4415XF	Revere	4826XFS
	Revere	4526XF	Revere	4731XF
	Revere	4606XF	Revere	4727XF
	Revere	4934XF		
Don Mario	Don Mario	DM45F23		
	Don Mario	DM48F53		
Armor Seed	Armor	44-D49		
	Armor	45-F02		
	Armor	46-F96		



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