

2021 MSU Extension Soybean Variety Demonstration Program

During the 2021 growing season, a total of 31 on-farm soybean variety demonstration plots were successfully conducted. The following information is intended to complement data generated through small-plot variety testing programs.

Mississippi State University Extension wishes to express special thanks to the many producers who cooperated with this year's on-farm soybean variety demonstration program, as well as to the Mississippi Soybean Promotion Board for its continued support of these efforts. In addition, the seed companies and their representatives are sincerely appreciated for their support of this program. The relationships among participating individuals are critical for the continued success of this program.

Assistance in the conduct of this program provided by Ben Stoker, Ben Williams, Owen Tyrone, and Paul O'Neal.

MSU Extension Participants

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2021 Locations

County	Demonstration type	Irrigation method
Benton	MG IV RR2X and XF (Mixed/Light Soil)	None
Bolivar	MG IV EARLY RR2X and XF	Furrow
Bolivar	MG IV RR2X and XF (Mixed/Light Soil)	Furrow
Carroll	MG IV RR2X and XF (Mixed/Light Soil)	Furrow
Clay	MG V RR2X and XF	None
Coahoma	MG IV EARLY RR2X and XF	Furrow
Coahoma	MG IV RR2X and XF (Mixed/Light Soil)	Furrow
Hinds	MG V RR2X and XF	None
Humphreys	MG IV RR2X and XF (Clay Soil)	Furrow
Itawamba	MG IV RR2X and XF (Mixed/Light Soil)	None
Lee	MG V RR2X and XF	None
Lee	MG IV Enlist E3	None
Leflore	MG IV RR2X and XF (Mixed/Light Soil)	Furrow
Lowndes	MG V RR2X and XF	None
Madison	MG IV RR2X and XF (Mixed/Light Soil)	None
Monroe	MG V RR2X and XF	None
Monroe	MG V RR2X and XF	None
Oktibbeha	MG IV EARLY RR2X and XF	Furrow
Oktibbeha	MG IV RR2X and XF (Clay Soil)	Furrow
Oktibbeha	MG IV RR2X and XF (Mixed/Light Soil)	None
Oktibbeha	MG V RR2X and XF	None
Oktibbeha	MG IV Enlist E3	None
Oktibbeha	MG IV Enlist E3	None
Pontotoc	MG V RR2X and XF	None
Pontotoc	MG IV Enlist E3	None
Rankin	MG IV RR2X and XF (Mixed/Light Soil)	None
Sharkey	MG IV RR2X and XF (Clay Soil)	Furrow
Sharkey	MG IV RR2X and XF (Clay Soil)	Furrow
Sunflower	MG IV RR2X and XF (Clay Soil)	Furrow
Washington	MG IV EARLY RR2X and XF	Furrow
Washington	MG IV RR2X and XF (Clay Soil)	Furrow



This program is partially funded by the Mississippi Soybean Promotion Board.

2021 Location Details

County	Plot type	Planting date	Seeding rate	Plot width	Row spacing	Tillage system	Soil series	Irrigation method	Harvest date
Benton	MG IV (Mixed/Light) RR2X & XF	April 21	140,000	15 rows	15"	No-Till.	Arkabutla silt loam	None	Oct. 18
Bolivar	MG IV EARLY RR2X & XF	April 30	145,000	6 twin rows	38"	Conv.	Brittain silt loam	Furrow	Sept. 28
Bolivar	MG IV (Mixed/Light) RR2X & XF	May 24	135,000	6 twin rows	38"	Conv.	Forestdale silt clay loam	Furrow	Oct. 20
Carroll	MG IV (Mixed/Light) RR2X & XF	April 29	123,000	8 rows	38"	Conv.	Alder silt loam	Furrow	Oct. 14
Clay	MG V RR2X & XF	May 17	115,000	8 rows	30"	Min. Till	Griffith silty clay	None	Oct. 13
Coahoma	MG IV EARLY RR2X & XF	May 7	132,000	6 twin rows	40"	Conv.	Forestdale silty clay loam	Furrow	Oct. 14
Coahoma	MG IV (Mixed/Light) RR2X & XF	May 7	140,000	6 rows	40"	Conv.	Dundee silt loam	Furrow	Oct. 20
Hinds	MG V RR2X & XF	May 24	110,000	6 rows	38"	Conv.	Reidtown silt loam	None	Oct. 7
Humphreys	MG IV (Clay) RR2X & XF	May 24	133,000	12 rows	38"	Conv.	Alligator – Dowling clay	Furrow	Oct. 14
Itawamba	MG IV (Mixed/Light) RR2X & XF	June 24	110,000	6 rows	38"	No-Till.	Marietta loam	None	Dec. 2
Lee	MG V RR2X & XF	May 20	124,000	8 rows	38"	Conv.	Leeper silty clay loam	None	Oct. 14
Lee	MG IV Enlist E3	May 20	124,000	8 rows	38"	Conv.	Leeper silty clay loam	None	Oct. 14
Leflore	MG IV (Mixed/Light) RR2X & XF	April 29	115,000	16 rows	38"	Conv.	Dundee loam	Furrow	Oct. 1
Lowndes	MG V RR2X & XF	May 27	120,000	12 rows	30"	Conv.	Leeper silty clay	None	Oct. 26
Madison	MG IV (Mixed/Light) RR2X & XF	April 28	125,000	6 rows	30"	No-Till.	Grenada silt loam	None	Sept. 27
Monroe	MG V RR2X & XF	June 1	120,000	6 rows	30"	No-Till.	Savannah fine sandy loam	None	Dec. 2
Monroe	MG V RR2X & XF	May 22	130,000	8 rows	30"	Conv.	Houlka silty clay	None	Oct. 19
Oktibbeha	MG IV EARLY RR2X & XF	May 25	130,000	2 rows	38"	Conv.	Sumter clay loam	Furrow	Oct. 14
Oktibbeha	MG IV (Clay) RR2X & XF	May 25	130,000	2 rows	38"	Conv.	Sumter clay loam	Furrow	Oct. 14
Oktibbeha	MG IV (Mixed/Light) RR2X & XF	May 26	130,000	2 rows	38"	Conv.	Leeper silty clay loam	None	Oct. 19
Oktibbeha	MG V RR2X & XF	May 26	130,000	2 rows	38"	Conv.	Leeper silty clay loam	None	Oct. 19
Oktibbeha	MG IV Enlist E3	May 26	130,000	2 rows	38"	Conv.	Leeper silty clay loam	None	Oct. 14
Oktibbeha	MG IV Enlist E3	April 28	130,000	8 rows	38"	Conv.	Marietta fine sandy loam	None	Sept. 28
Pontotoc	MG V RR2X & XF	May 21	128,000	8 rows	30"	No-Till.	Providence silt loam	None	Oct. 19
Pontotoc	MG IV Enlist E3	May 21	128,000	8 rows	30"	No-Till.	Providence silt loam	None	Oct. 19
Rankin	MG IV (Mixed/Light) RR2X & XF	April 28	133,000	10 rows	30"	Min. Till	Pelahatchie silt loam	None	Oct. 11
Sharkey	MG IV (Clay) RR2X & XF	May 18	135,000	6 rows	38"	Conv.	Sharkey clay	Furrow	Oct. 15

2021 Location Details (continued)

County	Plot type	Planting date	Seeding rate	Plot width	Row spacing	Tillage system	Soil series	Irrigation method	Harvest date
Sharkey	MG IV (Clay) RR2X & XF	May 18	138,000	6 rows	38"	Conv.	Sharkey clay	Furrow	Oct. 8
Sunflower	MG IV (Clay) RR2X & XF	April 23	130,000	8 twin rows	38"	Conv.	Alligator clay	Furrow	Sept. 23
Washington	MG IV EARLY RR2X & XF	May 21	140,000	8 twins	40"	Conv.	Sharkey clay	Furrow	Oct. 12
Washington	MG IV (Clay) RR2X & XF	May 21	140,000	8 twins	40"	Conv.	Sharkey clay	Furrow	Oct. 12

Soybean Variety Characteristics: Maturity Group IV Early Roundup Ready 2 Xtend Set

Brand	Variety	Relative maturity	Herbicide package ¹	Growth habit ²	Canopy width ³	Plant height ⁴	Plant color ⁵
Asgrow	AG43X0	4.3	RR2X/SR	I	MB	T	G
Dyna-Gro	S43XS70	4.3	RR2X/STS	I	M	MT	LT
Great Heart Seed	GT-4255XS	4.2	RR2X/STS	I	M	M	LT
Local Seed	LS4299XS	4.2	RR2X/STS	I	M	MT	LT
NK	S44-C7X	4.4	RR2X	I	MB	MT	G
Pioneer	P42A96X	4.2	RR2X	I	MB	MT	LT
Progeny	P 4505 RXS	4.5	RR2X/STS	I	B	MT	LT

¹RR2X = Roundup Ready 2 Xtend; SR/STS = sulfonyleurea tolerant soybean

²I = indeterminate; D = determinate

³T = thin; M = medium; MB = medium-bushy; B = bushy

⁴S = short; M = medium; MT = medium-tall; T = tall

⁵G = gray; LT = light tawny; T = tawny

**Soybean Variety Characteristics: Maturity Group IV Roundup Ready 2 Xtend Set
(includes both Mixed/Light and Clay soil specific varieties)**

Brand	Variety	Relative maturity	Herbicide package ¹	Growth habit ²	Canopy width ³	Plant height ⁴	Plant color ⁵
Asgrow	AG45XF0	4.5	XF/SR	I	MB	MT	LT
Asgrow	AG46X6	4.6	RR2X	I	MB	MT	T
Asgrow	AG47XF0	4.7	XF/SR	I	MB	MT	T
Asgrow	AG48XF0	4.8	XF/SR	I	MB	MT	LT
Delta Grow	DG47X95 RR2X/STS	4.7	RR2X/STS	I	B	MT	G
Delta Grow	DG48X45RR2X	4.8	RR2X	I	B	M	T
Dyna-Gro	S46XS60	4.6	RR2X/STS	I	MB	MT	LT
Dyna-Gro	S48XT90	4.8	RR2X	I	MB	M	LT
Dyna-Gro	S49XT70	4.9	RR2X	I	M	MT	LT
Great Heart Seed	GT-4677XS	4.6	RR2X/STS	I	MB	MT	LT
Great Heart Seed	GT-4681XFS	4.6	XF/STS	I	M	MT	LT
Local Seed	LS4795XS	4.7	RR2X/STS	I	MB	M	LT
Local Seed	LS4806XS	4.8	RR2X/STS	I	M	M	LT
NK	S47-Y9X	4.7	RR2X	I	M	MT	LT
NK	S49-F5X	4.9	RR2X	I	MB	MT	LT
Pioneer	P46A86X	4.6	RR2X	I	MB	MT	G
Pioneer	P48A60X	4.8	RR2X	I	MB	MT	LT
Pioneer	P47A64X	4.7	RR2X	I	MB	MT	G
Progeny	P 4604 XFS	4.6	XF/STS	I	M	T	LT

**Soybean Variety Characteristics: Maturity Group IV Roundup Ready 2 Xtend Set
(includes both Mixed/Light and Clay soil specific varieties) (continued)**

Brand	Variety	Relative maturity	Herbicide package ¹	Growth habit ²	Canopy width ³	Plant height ⁴	Plant color ⁵
Progeny	P 4806 XFS	4.8	XF/STS	I	B	MT	LT
Progeny	P 4851 RX	4.8	RR2X	I	B	T	LT
Progeny	P 4970 RX	4.9	RR2X	I	B	T	LT
USG	7489XT	4.8	RR2X	I	MB	M	LT

¹RR2X = Roundup Ready 2 Xtend; XF = XtendFlex; SR/STS = sulfonyleurea tolerant soybean

²I = indeterminate; D = determinate

³T = thin; M = medium; MB = medium-bushy; B = bushy

⁴S = short; M = medium; MT = medium-tall; T = tall

⁵G = gray; LT = light tawny; T = tawny

Soybean Variety Characteristics: Maturity Group V Roundup Ready 2 Xtend Set

Brand	Variety	Relative maturity	Herbicide package ¹	Growth habit ²	Canopy width ³	Plant height ⁴	Plant color ⁵
Asgrow	AG53X0	5.3	RR2X	I	MB	T	LT
Asgrow	AG55XF0	5.5	XF	D	B	MT	T
Dyna-Gro	S52XT91	5.2	RR2X	I	MB	MT	T
Dyna-Gro	S56XT99	5.6	RR2X	D	MB	T	T
Great Heart Seed	GT-5417X	5.4	RR2X	I	MB	MT	T
Local Seed	LS5009XS	5.0	RR2X/STS	I	B	T	LT
NK	S53-F7X	5.3	RR2X	I	M	T	G
Pioneer	P53A67X	5.3	RR2X	D	M	M	G
Pioneer	P55A49X	5.5	RR2X	D	MB	S	G
Progeny	P 5424 XF	5.4	XF	D	B	S	T
Progeny	P 5554 RX	5.5	RR2X	D	B	M	T

¹RR2X = Roundup Ready 2 Xtend; XF = XtendFlex; SR/STS = sulfonyleurea tolerant soybean

²I = indeterminate; D = determinate

³T = thin; M = medium; MB = medium-bushy; B = bushy

⁴S = short; M = medium; MT = medium-tall; T = tall

⁵G = gray; LT = light tawny; T = tawny

Soybean Variety Characteristics: Maturity Group IV Enlist E3 Set

Brand	Variety	Relative maturity	Herbicide package ¹	Growth habit ²	Canopy width ³	Plant height ⁴	Plant color ⁵
Delta Grow	DG45E10	4.5	E3	I	M	M	LT
Delta Grow	DG47E20/STS	4.7	E3/STS	I	M	MT	T
Dyna-Gro	S45ES10	4.5	E3	I	MB	MT	T
Dyna-Gro	S46ES91	4.6	E3	I	M	MT	G
Pioneer	P44T04SE	4.4	E3/STS	I	M	M	LT
Pioneer	P45T88E	4.5	E3	I	M	M	T
Pioneer	P46T51E	4.6	E3	I	M	M	G

¹E3 = Enlist; STS = sulfonyleurea tolerant soybean

²I = indeterminate; D = determinate

³T = thin; M = medium; MB = medium-bushy; B = bushy

⁴S = short; M = medium; MT = medium-tall; T = tall

⁵G = gray; LT = light tawny; T = tawny

Maturity Group IV EARLY Roundup Ready 2 Xtend and XtendFlex Varieties Summarized across Irrigated Locations

Brand	Variety	Avg. plant height (inches)	Avg. lodging score ¹	Avg. shattering score ¹	Avg. green stem score ¹	Avg. seed moisture (pct.)	Avg. yield (lb/A) ²
Local Seed Co	LS4299XS	35	2	0	1	14.3	68.6
Dyna-Gro	S43XS70	34	3	0	1	13.9	67.1
Asgrow	AG43X0	35	2	0	1	13.8	66.8
Great Heart Seed	GT-4255XS	34	2	0	1	14.2	66.5
NK	S44-C7X	31	2	0	1	13.2	63.2
Pioneer	P42A96X	34	1	0	2	15.0	61.4
Progeny	P 4505RXS	38	4	0	1	14.5	60.1
Irrigated average						14.1	64.8

Four locations Planted April 30 to May 25, 2021

¹Scores rated on scale of 0–10 with 0 being excellent and 10 being poor at harvest.

²Soybean yield adjusted to standard moisture content of 13 percent.

Maturity Group IV (Mixed/Light Soil) Roundup Ready 2 Xtend and XtendFlex Varieties Summarized across Irrigated Locations

Brand	Variety	Avg. plant height (inches)	Avg. lodging score ¹	Avg. shattering score ¹	Avg. green stem score ¹	Avg. seed moisture (pct.)	Avg. yield (lb/A) ²
Great Heart Seed	GT-4677XS	33	2	0	1	12.5	72.7
Dyna-Gro	S46XS60	32	2	0	0	12.3	72.4
Delta Grow	DG48X45RR2X	31	2	0	1	12.7	72.2
Local Seed Co	LS4795XS	33	2	0	1	12.7	71.5
Asgrow	AG47XF0	33	1	0	3	12.5	71.4
USG	7489XT	32	2	0	1	12.9	70.9
Progeny	P 4806XFS	33	2	0	2	12.6	70.3
Asgrow	AG46X6	31	3	0	0	12.2	70.2
Pioneer	P46A86X	36	2	1	0	12.8	70.1
NK	S49-F5X	31	2	0	0	13.0	69.6
NK	S47-Y9X	31	1	0	1	12.4	69.5
Dyna-Gro	S48XT90	34	2	1	1	12.7	69.3
Pioneer	P48A60X	33	1	0	0	12.3	67.4
Progeny	P 4970RX	34	3	1	1	12.9	67.2
Asgrow	AG48XF0	35	3	0	0	12.7	65.5
Irrigated average						12.6	70.0

Four locations Planted April 29 to May 24, 2021

¹Scores rated on scale of 0–10 with 0 being excellent and 10 being poor at harvest.

²Soybean yield adjusted to standard moisture content of 13 percent.

Maturity Group IV (Mixed/Light Soil) Roundup Ready 2 Xtend and XtendFlex Varieties Summarized across Nonirrigated Locations

Brand	Variety	Avg. plant height (inches)	Avg. lodging score ¹	Avg. shattering score ¹	Avg. green stem score ¹	Avg. seed moisture (pct.)	Avg. yield (lb/A) ²
Great Heart Seed	GT-4677XS	33	1	0	0	13.3	58.4
Local Seed Co	LS4795XS	32	1	1	0	13.0	57.9
NK	S47-Y9X	32	1	1	0	13.1	57.9
Delta Grow	DG48X45RR2X	34	1	1	0	13.1	56.9
NK	S49-F5X	33	3	0	0	13.2	56.8
Dyna-Gro	S46XS60	34	2	1	0	13.2	56.3
Asgrow	AG47XF0	33	1	0	0	13.2	55.9
Dyna-Gro	S48XT90	34	2	0	0	13.5	55.8
USG	7489XT	33	2	1	0	13.1	55.5

**Maturity Group IV (Mixed/Light Soil) Roundup Ready 2 Xtend
and XtendFlex Varieties Summarized across Nonirrigated Locations (continued)**

Brand	Variety	Avg. plant height (inches)	Avg. lodging score ¹	Avg. shattering score ¹	Avg. green stem score ¹	Avg. seed moisture (pct.)	Avg. yield (lb/A) ²
Pioneer	P46A86X	38	3	1	0	13.7	54.6
Progeny	P 4806XFS	32	2	1	0	13.0	54.6
Progeny	P 4970RX	37	4	0	0	13.1	53.9
Asgrow	AG46X6	33	3	1	0	13.1	53.5
Pioneer	P48A60X	30	2	1	0	12.7	50.9
Asgrow	AG48XF0	35	2	1	0	13.0	50.7
Nonirrigated average						13.2	55.3

Five locations Planted April 21 to June 24, 2021

¹Scores rated on scale of 0–10 with 0 being excellent and 10 being poor at harvest.

²Soybean yield adjusted to standard moisture content of 13 percent.

Maturity Group IV (Clay Soil) Roundup Ready 2 Xtend and XtendFlex Varieties Summarized across Irrigated Locations

Brand	Variety	Avg. plant height (inches)	Avg. lodging score ¹	Avg. shattering score ¹	Avg. green stem score ¹	Avg. seed moisture (pct.)	Avg. yield (lb/A) ²
Pioneer	P47A64X	37	3	0	0	13.2	68.2
Dyna-Gro	S48XT90	35	2	0	0	14.0	67.3
Asgrow	AG46X6	33	3	1	0	13.2	67.2
USG	7489XT	33	2	0	1	12.9	67.0
Pioneer	P46A86X	36	3	0	0	14.3	66.9
NK	S49-F5X	33	2	0	0	13.0	66.9
Asgrow	AG47XF0	34	2	0	0	13.3	66.6
Dyna-Gro	S49XT70	36	2	0	0	13.3	65.8
Delta Grow	DG47X95R-R2X/STS	37	3	0	0	13.9	65.4
Progeny	P 4604XFS	37	3	0	0	13.2	65.0
Asgrow	AG45XF0	34	3	1	0	14.0	64.6
Progeny	P 4851RX	36	6	1	1	13.2	64.2
Local Seed Co	LS4806XS	35	2	0	0	13.5	63.6
Great Heart Seed	GT-4681XFS	34	2	0	0	13.3	63.1
Irrigated average						13.4	65.8

Six locations Planted April 23 to May 25, 2021

¹Scores rated on scale of 0–10 with 0 being excellent and 10 being poor at harvest.

²Soybean yield adjusted to standard moisture content of 13 percent.

Maturity Group V Roundup Ready 2 Xtend and XtendFlex Varieties Summarized across Nonirrigated Locations

Brand	Variety	Avg. plant height (inches)	Avg. lodging score ¹	Avg. shattering score ¹	Avg. green stem score ¹	Avg. seed moisture (pct.)	Avg. yield (lb/A) ²
Pioneer	P55A49X	23	0	0	1	12.9	60.6
Pioneer	P53A67X	26	2	0	0	12.9	58.5
Dyna-Gro	S56XT99	29	2	0	1	13.0	56.1
Asgrow	AG55XF0	30	2	0	1	12.8	55.2
Progeny	P 5424XF	27	1	1	1	12.7	54.9
Progeny	P 5554RX	29	1	0	1	13.0	54.8
Local Seed Co	LS5009XS	31	3	0	1	12.9	54.7
Asgrow	AG53X0	35	2	0	1	13.2	54.5
Dyna-Gro	S52XT91	32	2	0	0	13.1	54.0

Maturity Group V Roundup Ready 2 Xtend and XtendFlex Varieties Summarized across Nonirrigated Locations (continued)

Brand	Variety	Avg. plant height (inches)	Avg. lodging score ¹	Avg. shattering score ¹	Avg. green stem score ¹	Avg. seed moisture (pct.)	Avg. yield (lb/A) ²
Great Heart Seed	GT-5417X	30	2	0	1	13.2	53.9
NK	S53-F7X	32	2	0	1	13.0	53.6
Nonirrigated average						13.0	55.5

Eight locations Planted May 17 to June 1, 2021

¹Scores rated on a scale of 0–10 with 0 being excellent and 10 being poor at harvest.

²Soybean yield adjusted to standard moisture content of 13 percent.

Maturity Group IV Enlist E3 Varieties Summarized across Nonirrigated Locations

Brand	Variety	Avg. plant height (inches)	Avg. lodging score ¹	Avg. shattering score ¹	Avg. green stem score ¹	Avg. seed moisture (pct.)	Avg. yield (lb/A) ²
Pioneer	P46T51E	33	1	0	1	13.4	58.7
Delta Grow	DG45E10	32	1	0	0	13.3	58.3
Dyna-Gro	S45ES10	35	2	0	1	12.8	57.6
Dyna-Gro	S46ES91	39	1	0	0	13.6	54.1
Pioneer	P44T04SE	33	3	0	0	13.4	53.8
Pioneer	P45T88E	33	2	0	1	12.7	52.6
Delta Grow	DG47E20/STS	40	2	0	1	13.4	52.2
Nonirrigated average						13.2	55.3

Four locations Planted April 28 to May 26, 2021

¹Scores rated on a scale of 0–10 with 0 being excellent and 10 being poor at harvest.

²Soybean yield adjusted to standard moisture content of 13 percent.

Benton County (Nonirrigated): Maturity Group IV (Mixed/Light Soil) Roundup Ready 2 Xtend and XtendFlex

Brand	Variety	Plant height (inches)	Lodging score ¹	Shattering score ¹	Green stem score ¹	Seed moisture (pct.)	Yield (lb/A) ²
Great Heart Seed	GT-4677XS	51	2	0	0	15.1	84.3
NK	S47-Y9X	43	1	0	0	14.7	83.3
Local Seed Co	LS4795XS	43	1	0	0	14.6	76.0
Dyna-Gro	S46XS60	50	2	0	0	14.8	74.5
Asgrow	AG47XF0	45	2	0	0	15.4	73.2
Dyna-Gro	S48XT90	47	5	0	0	14.5	71.9
NK	S49-F5X	42	6	0	0	14.5	69.0
Asgrow	AG48XF0	47	5	0	0	15.0	69.0
Asgrow	AG46X6	47	4	0	0	14.5	67.6
Pioneer	P46A86X	50	4	0	0	15.6	67.3
Progeny	P 4806XFS	46	7	0	0	14.6	66.7
USG	7489XT	46	4	0	0	14.8	65.9
Progeny	P 4970RX	47	7	0	0	14.1	65.5
Delta Grow	DG48X45RR2X	44	1	0	0	14.6	65.4
Plot average						14.8	71.6

¹Scores rated on a scale of 0–10 with 0 being excellent and 10 being poor at harvest.

²Soybean yield adjusted to standard moisture content of 13 percent.

Bolivar County (Irrigated): Maturity Group IV EARLY Roundup Ready 2 Xtend and XtendFlex

Brand	Variety	Plant height (inches)	Lodging score ¹	Shattering score ¹	Green stem score ¹	Seed moisture (pct.)	Yield (lb/A) ²
Local Seed Co	LS4299XS	47	2	0	0	13.9	86.1
Great Heart Seed	GT-4255XS	45	2	0	0	13.7	85.3
Dyna-Gro	S43XS70	46	3	0	0	14.2	83.0
Asgrow	AG43X0	49	3	0	0	13.6	80.8
Pioneer	P42A96X	45	1	0	0	13.8	79.5
NK	S44-C7X	44	2	1	0	13.9	77.6
Progeny	P 4505RXS	50	5	1	0	14.6	71.5
Plot average						14.0	80.5

¹Scores rated on a scale of 0–10 with 0 being excellent and 10 being poor at harvest.

²Soybean yield adjusted to standard moisture content of 13 percent.

Bolivar County (Irrigated): Maturity Group IV (Mixed/Light Soil) Roundup Ready 2 Xtend and XtendFlex

Brand	Variety	Plant height (inches)	Lodging score ¹	Shattering score ¹	Green stem score ¹	Seed moisture (pct.)	Yield (lb/A) ²
Asgrow	AG47XF0	36	0	0	0	9.8	74.9
Delta Grow	DG48X45RR2X	26	1	0	0	10.1	74.7
USG	7489XT	28	2	0	0	9.9	74.4
NK	S49-F5X	30	2	0	0	10.1	74.3
Asgrow	AG46X6	29	2	0	0	10.4	73.8
Progeny	P 4806XFS	30	1	0	0	9.5	73.5
Pioneer	P46A86X	36	1	0	0	10.5	72.9
Local Seed Co	LS4795XS	34	1	0	0	9.6	72.4
Great Heart Seed	GT-4677XS	32	1	0	0	10.1	72.1
NK	S47-Y9X	32	1	0	0	9.9	72.1
Progeny	P 4970RX	27	1	0	0	9.8	71.9
Dyna-Gro	S48XT90	27	2	0	0	10.2	71.3
Dyna-Gro	S46XS60	31	1	0	0	10.0	70.3
Pioneer	P48A60X	28	1	0	0	9.7	66.8
Asgrow	AG48XF0	34	1	0	0	10.0	64.6
Plot average						10.0	72.0

¹Scores rated on a scale of 0–10 with 0 being excellent and 10 being poor at harvest.

²Soybean yield adjusted to standard moisture content of 13 percent.

Carroll County (Irrigated): Maturity Group IV (Mixed/Light Soil) Roundup Ready 2 Xtend and XtendFlex

Brand	Variety	Plant height (inches)	Lodging score ¹	Shattering score ¹	Green stem score ¹	Seed moisture (pct.)	Yield (lb/A) ²
Local Seed Co	LS4795XS	34	2	0	0	14.5	69.8
Progeny	P 4806XFS	36	3	0	2	14.3	68.9
Great Heart Seed	GT-4677XS	36	2	0	0	13.7	68.7
Dyna-Gro	S46XS60	32	3	0	0	13.5	68.5
Asgrow	AG46X6	30	4	1	0	12.7	68.0
Pioneer	P48A60X	36	2	0	0	14.3	66.8
NK	S47-Y9X	32	1	0	0	14.1	66.0
Dyna-Gro	S48XT90	40	2	0	2	15.2	65.8
Asgrow	AG47XF0	35	1	0	3	14.2	64.8
Pioneer	P46A86X	37	4	0	0	14.4	64.3

Carroll County (Irrigated): Maturity Group IV (Mixed/Light Soil) Roundup Ready 2 Xtend and XtendFlex (continued)

Brand	Variety	Plant height (inches)	Lodging score ¹	Shattering score ¹	Green stem score ¹	Seed moisture (pct.)	Yield (lb/A) ²
Delta Grow	DG48X45RR2X	33	2	0	3	14.4	64.1
USG	7489XT	34	3	0	1	14.8	63.3
Asgrow	AG48XF0	40	3	0	1	14.5	62.4
NK	S49-F5X	31	1	0	1	14.8	62.0
Progeny	P 4970RX	39	4	0	0	15.2	60.6
Plot average						14.3	65.6

¹Scores rated on a scale of 0–10 with 0 being excellent and 10 being poor at harvest.

²Soybean yield adjusted to standard moisture content of 13 percent.

Clay County (Nonirrigated): Maturity Group V Roundup Ready 2 Xtend and XtendFlex

Brand	Variety	Plant height (inches)	Lodging score ¹	Shattering score ¹	Green stem score ¹	Seed moisture (pct.)	Yield (lb/A) ²
Pioneer	P55A49X	19	1	0	5	12.8	70.9
Pioneer	P53A67X	29	1	0	0	12.5	67.2
Local Seed Co	LS5009XS	41	2	0	4	13.4	62.7
Progeny	P 5424XF	30	2	0	4	12.7	61.2
Progeny	P 5554RX	25	1	0	4	12.3	61.0
Dyna-Gro	S56XT99	27	2	0	5	12.4	59.0
NK	S53-F7X	22	1	0	5	11.8	58.2
Asgrow	AG55XF0	21	2	0	3	11.6	57.5
Great Heart Seed	GT-5417X	21	1	0	4	12.4	55.4
Asgrow	AG53X0	33	1	0	5	12.9	52.3
Dyna-Gro	S52XT91	34	1	0	1	12.2	50.6
Plot average						12.5	58.2

¹Scores rated on a scale of 0–10 with 0 being excellent and 10 being poor at harvest.

²Soybean yield adjusted to standard moisture content of 13 percent.

Coahoma County (Irrigated): Maturity Group IV EARLY Roundup Ready 2 Xtend and XtendFlex

Brand	Variety	Plant height (inches)	Lodging score ¹	Shattering score ¹	Green stem score ¹	Seed moisture (pct.)	Yield (lb/A) ²
Local Seed Co	LS4299XS	30	2	0	1	13.3	69.7
Asgrow	AG43X0	26	2	0	1	12.7	68.8
Great Heart Seed	GT-4255XS	26	2	0	1	13.1	68.1
Dyna-Gro	S43XS70	28	4	0	1	12.9	67.3
Pioneer	P42A96X	28	1	0	3	12.8	63.7
NK	S44-C7X	19	2	0	2	13.4	63.0
Progeny	P 4505RXS	24	5	0	2	13.5	50.6
Plot average						13.1	64.5

¹Scores rated on a scale of 0–10 with 0 being excellent and 10 being poor at harvest.

²Soybean yield adjusted to standard moisture content of 13 percent.

Coahoma County (Irrigated): Maturity Group IV (Mixed/Light Soil) Roundup Ready 2 Xtend and XtendFlex

Brand	Variety	Plant height (inches)	Lodging score ¹	Shattering score ¹	Green stem score ¹	Seed moisture (pct.)	Yield (lb/A) ²
Dyna-Gro	S46XS60	29	1	0	0	12.1	76.0
Great Heart Seed	GT-4677XS	28	2	0	2	12.3	75.5
Delta Grow	DG48X45RR2X	29	2	0	2	12.6	75.1
NK	S47-Y9X	26	2	0	2	12.6	71.2
NK	S49-F5X	32	3	0	0	12.9	71.2
Asgrow	AG47XF0	28	0	0	9	12.5	69.5
USG	7489XT	32	2	0	3	12.7	69.5
Local Seed Co	LS4795XS	26	1	0	2	12.1	69.1
Pioneer	P46A86X	30	1	1	0	12.8	68.1
Asgrow	AG48XF0	27	3	0	0	12.3	68.0
Dyna-Gro	S48XT90	32	2	0	1	12.1	67.6
Asgrow	AG46X6	28	0	0	0	11.8	67.3
Progeny	P 4806XFS	29	1	0	6	13.0	64.7
Pioneer	P48A60X	33	1	0	0	12.3	63.9
Progeny	P 4970RX	29	3	1	2	12.9	63.3
Plot average						12.5	69.3

¹Scores rated on a scale of 0–10 with 0 being excellent and 10 being poor at harvest.

²Soybean yield adjusted to standard moisture content of 13 percent.

Hinds County (Nonirrigated): Maturity Group V Roundup Ready 2 Xtend and XtendFlex

Brand	Variety	Plant height (inches)	Lodging score ¹	Shattering score ¹	Green stem score ¹	Seed moisture (pct.)	Yield (lb/A) ²
Pioneer	P55A49X	23	1	0	0	13.1	67.7
Asgrow	AG53X0	47	4	0	0	12.7	63.0
Pioneer	P53A67X	32	1	0	0	12.5	63.0
Local Seed Co	LS5009XS	35	6	0	0	12.4	61.6
Progeny	P 5554RX	30	3	0	0	13.1	57.8
Dyna-Gro	S56XT99	36	3	0	0	13.5	56.1
Dyna-Gro	S52XT91	41	4	0	0	12.4	55.8
Asgrow	AG55XF0	42	2	0	0	12.7	55.4
NK	S53-F7X	41	4	0	0	11.9	53.6
Great Heart Seed	GT-5417X	41	4	0	0	13.2	53.1
Progeny	P 5424XF	30	1	0	0	12.3	46.8
Plot average						12.8	57.2

¹Scores rated on a scale of 0–10 with 0 being excellent and 10 being poor at harvest.

²Soybean yield adjusted to standard moisture content of 13 percent.

Humphreys County (Irrigated): Maturity Group IV (Clay Soil) Roundup Ready 2 Xtend and XtendFlex

Brand	Variety	Plant height (inches)	Lodging score ¹	Shattering score ¹	Green stem score ¹	Seed moisture (pct.)	Yield (lb/A) ²
Pioneer	P47A64X	35	2	0	0	14.0	72.6
Dyna-Gro	S48XT90	32	3	0	0	13.8	69.9
NK	S49-F5X	26	2	0	0	13.1	69.8
Delta Grow	DG47X95RR2X/STS	31	3	0	0	13.9	69.0
USG	7489XT	31	1	0	2	13.2	68.5
Local Seed Co	LS4806XS	33	1	0	0	13.3	67.1

Humphreys County (Irrigated): Maturity Group IV (Clay Soil) Roundup Ready 2 Xtend and XtendFlex (continued)

Brand	Variety	Plant height (inches)	Lodging score ¹	Shattering score ¹	Green stem score ¹	Seed moisture (pct.)	Yield (lb/A) ²
Dyna-Gro	S49XT70	37	2	0	0	13.3	67.0
Asgrow	AG46X6	30	2	0	0	13.8	66.2
Progeny	P 4604XFS	31	2	0	0	13.9	66.1
Asgrow	AG47XF0	31	1	0	0	13.8	66.0
Great Heart Seed	GT-4681XFS	30	1	0	0	14.4	65.7
Pioneer	P46A86X	31	2	0	0	15.0	65.7
Progeny	P 4851RX	32	7	0	0	13.2	62.7
Asgrow	AG45XF0	33	3	0	0	15.5	58.9
Plot average						13.9	66.8

¹Scores rated on a scale of 0–10 with 0 being excellent and 10 being poor at harvest.

²Soybean yield adjusted to standard moisture content of 13 percent.

Itawamba County (Nonirrigated): Maturity Group IV (Mixed/Light Soil) Roundup Ready 2 Xtend and XtendFlex

Brand	Variety	Plant height (inches)	Lodging score ¹	Shattering score ¹	Green stem score ¹	Seed moisture (pct.)	Yield (lb/A) ²
Delta Grow	DG48X45RR2X	29	1	0	0	12.7	48.9
USG	7489XT	26	1	0	0	13.1	48.4
Pioneer	P46A86X	36	1	0	0	13.5	47.7
Progeny	P 4970RX	31	1	0	0	12.9	47.7
Great Heart Seed	GT-4677XS	29	1	0	0	13.1	47.5
Local Seed Co	LS4795XS	26	1	0	0	12.8	47.3
Asgrow	AG46X6	26	2	0	0	12.4	46.4
Dyna-Gro	S46XS60	27	1	0	0	12.8	46.1
Dyna-Gro	S48XT90	29	1	0	0	13.4	45.3
Asgrow	AG48XF0	33	1	0	0	13.0	44.4
Asgrow	AG47XF0	26	1	0	0	12.5	42.2
NK	S49-F5X	29	1	0	0	13.5	42.0
Progeny	P 4806XFS	27	1	0	0	13.0	41.4
NK	S47-Y9X	33	1	0	0	13.0	41.0
Pioneer	P48A60X	28	1	0	0	12.8	38.1
Plot average						13.0	45.0

¹Scores rated on a scale of 0–10 with 0 being excellent and 10 being poor at harvest.

²Soybean yield adjusted to standard moisture content of 13 percent.

Lee County (Nonirrigated): Maturity Group V Roundup Ready 2 Xtend and XtendFlex

Brand	Variety	Plant height (inches)	Lodging score ¹	Shattering score ¹	Green stem score ¹	Seed moisture (pct.)	Yield (lb/A) ²
Pioneer	P55A49X	25	0	0	2	13.9	67.8
Pioneer	P53A67X	29	0	0	0	13.4	64.1
Progeny	P 5424XF	22	0	0	1	13.8	61.6
Progeny	P 5554RX	32	1	0	1	13.9	61.5
Dyna-Gro	S56XT99	30	2	0	0	14.0	61.5
Asgrow	AG55XF0	29	0	0	2	13.8	58.7
Asgrow	AG53X0	33	3	0	2	14.4	55.4
NK	S53-F7X	30	5	0	2	14.2	55.0
Great Heart Seed	GT-5417X	30	2	0	0	14.1	54.5

Lee County (Nonirrigated): Maturity Group V Roundup Ready 2 Xtend and XtendFlex (continued)

Brand	Variety	Plant height (inches)	Lodging score ¹	Shattering score ¹	Green stem score ¹	Seed moisture (pct.)	Yield (lb/A) ²
Dyna-Gro	S52XT91	31	5	0	1	14.4	54.3
Local Seed Co	LS5009XS	31	1	0	2	14.1	51.0
Plot average						14.0	58.3

¹Scores rated on a scale of 0–10 with 0 being excellent and 10 being poor at harvest.

²Soybean yield adjusted to standard moisture content of 13 percent.

Lee County (Nonirrigated): Maturity Group IV Enlist E3

Brand	Variety	Plant height (inches)	Lodging score ¹	Shattering score ¹	Green stem score ¹	Seed moisture (pct.)	Yield (lb/A) ²
Pioneer	P46T51E	29	2	0	1	14.4	48.8
Delta Grow	DG45E10	27	2	0	1	14.1	47.8
Pioneer	P44T04SE	26	4	0	1	14.2	43.4
Dyna-Gro	S45ES10	31	2	0	1	13.6	42.7
Delta Grow	DG47E20/STS	39	1	1	1	15.0	39.4
Pioneer	P45T88E	30	1	0	2	13.9	38.9
Dyna-Gro	S46ES91	38	1	1	0	14.6	38.8
Plot average						14.3	42.8

¹Scores rated on a scale of 0–10 with 0 being excellent and 10 being poor at harvest.

²Soybean yield adjusted to standard moisture content of 13 percent.

Leflore County (Irrigated): Maturity Group IV (Mixed/Light Soil) Roundup Ready 2 Xtend and XtendFlex

Brand	Variety	Plant height (inches)	Lodging score ¹	Shattering score ¹	Green stem score ¹	Seed moisture (pct.)	Yield (lb/A) ²
USG	7489XT	36	2	1	0	14.0	76.5
Asgrow	AG47XF0	34	1	0	0	13.5	76.3
Pioneer	P46A86X	41	3	1	0	13.4	75.3
Delta Grow	DG48X45RR2X	36	2	1	0	13.5	74.9
Dyna-Gro	S46XS60	34	3	0	0	13.5	74.7
Great Heart Seed	GT-4677XS	35	3	0	0	13.7	74.4
Progeny	P 4806XFS	35	2	1	0	13.6	73.9
Progeny	P 4970RX	42	3	1	0	13.7	72.8
Dyna-Gro	S48XT90	38	3	2	0	13.4	72.7
Local Seed Co	LS4795XS	36	2	0	0	13.9	72.5
Pioneer	P48A60X	34	1	1	0	13.0	72.0
Asgrow	AG46X6	35	5	0	0	13.7	71.8
NK	S49-F5X	33	1	1	0	14.0	70.8
NK	S47-Y9X	35	1	0	0	13.6	70.7
Asgrow	AG48XF0	38	4	1	0	13.9	66.9
Plot average						13.6	73.1

¹Scores rated on a scale of 0–10 with 0 being excellent and 10 being poor at harvest.

²Soybean yield adjusted to standard moisture content of 13 percent.

Lowndes County (Nonirrigated): Maturity Group V Roundup Ready 2 Xtend and XtendFlex

Brand	Variety	Plant height (inches)	Lodging score ¹	Shattering score ¹	Green stem score ¹	Seed moisture (pct.)	Yield (lb/A) ²
Pioneer	P53A67X	20	0	0	0	13.7	57.2
Dyna-Gro	S52XT91	23	1	0	0	14.4	56.4
Great Heart Seed	GT-5417X	22	1	1	0	13.8	55.3
Local Seed Co	LS5009XS	25	5	0	0	14.5	54.6
NK	S53-F7X	27	1	0	0	14.5	54.1
Progeny	P 5424XF	21	0	3	1	13.2	52.5
Pioneer	P55A49X	19	0	0	0	13.4	51.2
Asgrow	AG53X0	29	1	1	0	14.3	49.4
Progeny	P 5554RX	23	0	1	0	13.3	49.3
Asgrow	AG55XF0	24	2	0	0	13.4	49.2
Dyna-Gro	S56XT99	19	0	1	0	13.2	46.9
Plot average						13.8	52.4

¹Scores rated on a scale of 0–10 with 0 being excellent and 10 being poor at harvest.

²Soybean yield adjusted to standard moisture content of 13 percent.

Madison County (Nonirrigated): Maturity Group IV (Mixed/Light Soil) Roundup Ready 2 Xtend and XtendFlex

Brand	Variety	Plant height (inches)	Lodging score ¹	Shattering score ¹	Green stem score ¹	Seed moisture (pct.)	Yield (lb/A) ²
NK	S47-Y9X	30	3	1	0	11.7	75.4
Local Seed Co	LS4795XS	34	4	1	0	11.2	75.2
Asgrow	AG47XF0	34	2	1	0	11.1	73.7
Dyna-Gro	S46XS60	37	3	1	0	11.7	73.5
NK	S49-F5X	36	7	1	0	11.9	73.5
Delta Grow	DG48X45RR2X	36	4	1	0	11.7	73.2
Dyna-Gro	S48XT90	36	4	1	0	11.4	72.6
Pioneer	P48A60X	35	4	1	0	11.6	71.8
USG	7489XT	34	3	1	0	11.7	69.7
Progeny	P 4806XFS	35	2	1	0	11.8	69.2
Great Heart Seed	GT-4677XS	33	3	1	0	11.6	69.1
Asgrow	AG46X6	33	8	2	0	11.6	68.6
Pioneer	P46A86X	40	6	1	0	11.8	67.2
Progeny	P 4970RX	39	8	2	0	11.9	66.1
Asgrow	AG48XF0	33	3	1	0	11.1	57.2
Plot average						11.6	70.4

¹Scores rated on a scale of 0–10 with 0 being excellent and 10 being poor at harvest.

²Soybean yield adjusted to standard moisture content of 13 percent.

Monroe County (Nonirrigated): Maturity Group V Roundup Ready 2 Xtend and XtendFlex

Brand	Variety	Plant height (inches)	Lodging score ¹	Shattering score ¹	Green stem score ¹	Seed moisture (pct.)	Yield (lb/A) ²
Local Seed Co	LS5009XS	31	4	2	0	12.8	55.1
Dyna-Gro	S52XT91	30	3	1	0	13.1	59.5
Asgrow	AG53X0	35	3	2	0	13.0	55.3
NK	S53-F7X	34	3	2	0	13.4	59.6
Pioneer	P53A67X	21	1	1	0	13.0	57.6
Great Heart Seed	GT-5417X	34	3	1	0	13.9	58.5

Monroe County (Nonirrigated): Maturity Group V Roundup Ready 2 Xtend and XtendFlex (continued)

Brand	Variety	Plant height (inches)	Lodging score ¹	Shattering score ¹	Green stem score ¹	Seed moisture (pct.)	Yield (lb/A) ²
Progeny	P 5424XF	28	1	1	0	12.9	55.2
Asgrow	AG55XF0	29	2	1	0	13.3	58.2
Pioneer	P55A49X	26	1	1	0	13.2	60.6
Progeny	P 5554RX	29	2	1	0	13.3	59.0
Dyna-Gro	S56XT99	27	2	1	0	12.8	57.8
Plot average						13.1	56.9

¹Scores rated on a scale of 0–10 with 0 being excellent and 10 being poor at harvest.

²Soybean yield adjusted to standard moisture content of 13 percent.

Monroe County (Nonirrigated): Maturity Group V Roundup Ready 2 Xtend and XtendFlex

Brand	Variety	Plant height (inches)	Lodging score ¹	Shattering score ¹	Green stem score ¹	Seed moisture (pct.)	Yield (lb/A) ²
Dyna-Gro	S56XT99	24	1	0	0	14.5	52.7
Pioneer	P55A49X	19	0	0	0	13.2	52.5
Asgrow	AG55XF0	32	1	0	0	14.1	46.2
Asgrow	AG53X0	31	2	0	0	15.1	45.6
Dyna-Gro	S52XT91	27	2	0	0	14.4	43.9
Pioneer	P53A67X	25	2	0	0	14.7	43.7
Progeny	P 5424XF	22	1	0	0	13.1	43.4
Great Heart Seed	GT-5417X	26	2	0	0	14.4	42.4
Local Seed Co	LS5009XS	28	1	0	0	13.0	41.6
Progeny	P 5554RX	24	1	0	0	14.2	34.6
NK	S53-F7X	33	2	0	0	14.6	34.6
Plot average						14.1	43.7

¹Scores rated on a scale of 0–10 with 0 being excellent and 10 being poor at harvest.

²Soybean yield adjusted to standard moisture content of 13 percent.

Oktibbeha County (Irrigated): Maturity Group IV EARLY Roundup Ready 2 Xtend and XtendFlex

Brand	Variety	Plant height (inches)	Lodging score ¹	Shattering score ¹	Green stem score ¹	Seed moisture (pct.)	Yield (lb/A) ²
Asgrow	AG43X0	32	1	0	0	15.9	47.0
Local Seed Co	LS4299XS	32	1	0	1	17.1	46.1
Dyna-Gro	S43XS70	31	1	0	0	16.0	45.6
Progeny	P 4505RXS	35	2	0	1	17.3	44.0
Great Heart Seed	GT-4255XS	31	1	0	1	16.8	41.0
NK	S44-C7X	31	0	0	1	13.1	40.3
Pioneer	P42A96X	29	0	0	1	20.7	35.3
Plot average						16.7	42.6

¹Scores rated on a scale of 0–10 with 0 being excellent and 10 being poor at harvest.

²Soybean yield adjusted to standard moisture content of 13 percent.

Oktribbeha County (Irrigated): Maturity Group IV (Clay Soil) Roundup Ready 2 Xtend and XtendFlex

Brand	Variety	Plant height (inches)	Lodging score ¹	Shattering score ¹	Green stem score ¹	Seed moisture (pct.)	Yield (lb/A) ²
Dyna-Gro	S49XT70	38	0	0	1	16.6	45.3
Progeny	P 4604XFS	37	1	0	0	13.8	44.2
USG	7489XT	32	0	0	1	16.2	44.2
Dyna-Gro	S48XT90	34	0	0	1	19.0	41.9
Local Seed Co	LS4806XS	37	1	0	1	16.6	41.8
NK	S49-F5X	35	2	0	1	14.9	40.5
Asgrow	AG46X6	34	2	0	0	14.8	39.7
Asgrow	AG47XF0	32	0	0	1	14.3	39.7
Delta Grow	DG47X95RR2X/STS	34	0	0	1	18.2	39.6
Asgrow	AG45XF0	35	3	0	0	15.5	37.4
Pioneer	P46A86X	36	1	0	0	18.2	37.0
Great Heart Seed	GT-4681XFS	33	0	0	0	13.8	35.6
Progeny	P 4851RX	35	4	0	2	14.7	35.5
Plot average						15.9	40.2

¹Scores rated on a scale of 0–10 with 0 being excellent and 10 being poor at harvest.

²Soybean yield adjusted to standard moisture content of 13 percent.

Oktribbeha County (Nonirrigated): Maturity Group IV (Mixed/Light Soil) Roundup Ready 2 Xtend and XtendFlex

Brand	Variety	Plant height (inches)	Lodging score ¹	Shattering score ¹	Green stem score ¹	Seed moisture (pct.)	Yield (lb/A) ²
Pioneer	P48A60X	31	0	0	0	11.0	52.1
NK	S49-F5X	31	0	0	0	11.6	50.3
Delta Grow	DG48X45RR2X	32	0	0	1	11.5	49.6
Progeny	P 4970RX	32	0	0	1	12.3	49.4
Progeny	P 4806XFS	30	0	0	2	11.4	47.9
USG	7489XT	29	0	0	1	12.0	46.7
Local Seed Co	LS4795XS	29	0	0	1	11.6	46.6
Dyna-Gro	S48XT90	29	0	0	1	12.3	46.6
Pioneer	P46A86X	33	0	0	1	12.7	45.3
Asgrow	AG47XF0	29	0	0	1	11.3	44.5
Great Heart Seed	GT-4677XS	28	0	0	1	11.5	44.2
Asgrow	AG48XF0	32	0	0	0	11.2	42.0
Dyna-Gro	S46XS60	28	0	0	0	11.6	40.4
Asgrow	AG46X6	30	0	0	0	11.4	39.5
NK	S47-Y9X	28	0	0	0	11.5	39.5
Plot average						11.7	45.6

¹Scores rated on a scale of 0–10 with 0 being excellent and 10 being poor at harvest.

²Soybean yield adjusted to standard moisture content of 13 percent.

Oktibbeha County (Nonirrigated): Maturity Group V Roundup Ready 2 Xtend and XtendFlex

Brand	Variety	Plant height (inches)	Lodging score ¹	Shattering score ¹	Green stem score ¹	Seed moisture (pct.)	Yield (lb/A) ²
Asgrow	AG55XF0	29	0	0	1	10.7	52.4
Progeny	P 5424XF	34	0	0	1	11.3	52.1
Asgrow	AG53X0	34	0	0	1	11.1	51.8
Dyna-Gro	S56XT99	31	0	0	1	11.0	50.8
Pioneer	P55A49X	30	0	0	1	11.2	50.2
Progeny	P 5554RX	33	0	0	1	11.2	50.1
Pioneer	P53A67X	31	1	0	0	11.1	49.9
Local Seed Co	LS5009XS	29	1	0	0	11.1	49.6
Dyna-Gro	S52XT91	32	0	0	0	11.0	48.6
NK	S53-F7X	31	0	1	1	11.5	48.5
Great Heart Seed	GT-5417X	31	0	0	0	10.6	47.1
Plot average						11.0	50.1

¹Scores rated on a scale of 0–10 with 0 being excellent and 10 being poor at harvest.

²Soybean yield adjusted to standard moisture content of 13 percent.

Oktibbeha County (Nonirrigated): Maturity Group IV Enlist E3

Brand	Variety	Plant height (inches)	Lodging score ¹	Shattering score ¹	Green stem score ¹	Seed moisture (pct.)	Yield (lb/A) ²
Dyna-Gro	S45ES10	31	0	0	1	11.3	50.6
Pioneer	P46T51E	29	0	0	0	12.4	48.8
Delta Grow	DG45E10	28	0	0	0	12.5	47.6
Pioneer	P44T04SE	31	1	0	0	12.5	46.4
Dyna-Gro	S46ES91	34	0	0	0	12.3	46.2
Delta Grow	DG47E20/STS	33	1	0	0	12.0	45.7
Pioneer	P45T88E	29	0	0	0	11.2	45.6
Plot average						12.0	47.3

¹Scores rated on a scale of 0–10 with 0 being excellent and 10 being poor at harvest.

²Soybean yield adjusted to standard moisture content of 13 percent.

Oktibbeha County (Nonirrigated): Maturity Group IV Enlist E3

Brand	Variety	Plant height (inches)	Lodging score ¹	Shattering score ¹	Green stem score ¹	Seed moisture (pct.)	Yield (lb/A) ²
Pioneer	P46T51E	48	2	0	0	13.0	72.3
Dyna-Gro	S45ES10	45	4	0	0	13.4	71.6
Delta Grow	DG45E10	46	2	0	0	13.2	70.6
Dyna-Gro	S46ES91	47	3	0	0	13.6	69.6
Pioneer	P45T88E	47	2	0	0	12.3	64.4
Delta Grow	DG47E20/STS	48	4	0	0	12.9	63.1
Pioneer	P44T04SE	46	3	0	0	13.4	60.9
Plot average						13.1	67.5

¹Scores rated on a scale of 0–10 with 0 being excellent and 10 being poor at harvest.

²Soybean yield adjusted to standard moisture content of 13 percent.

Pontotoc County (Nonirrigated): Maturity Group V Roundup Ready 2 Xtend and XtendFlex

Brand	Variety	Plant height (inches)	Lodging score ¹	Shattering score ¹	Green stem score ¹	Seed moisture (pct.)	Yield (lb/A) ²
Progeny	P 5424XF	30	1	0	1	12.4	66.4
Pioneer	P53A67X	25	6	0	0	12.1	65.6
NK	S53-F7X	38	1	0	1	12.4	65.1
Great Heart Seed	GT-5417X	35	3	0	1	12.9	65.1
Progeny	P 5554RX	36	3	0	2	12.4	64.8
Pioneer	P55A49X	26	0	0	1	12.7	64.2
Asgrow	AG55XF0	32	4	0	2	12.7	63.9
Dyna-Gro	S56XT99	37	3	0	2	12.9	63.7
Asgrow	AG53X0	38	3	0	2	12.4	63.1
Dyna-Gro	S52XT91	34	1	0	1	12.8	62.8
Local Seed Co	LS5009XS	31	4	0	2	12.2	61.6
Plot average						12.5	64.2

¹Scores rated on a scale of 0–10 with 0 being excellent and 10 being poor at harvest.

²Soybean yield adjusted to standard moisture content of 13 percent.

Pontotoc County (Nonirrigated): Maturity Group IV Enlist E3

Brand	Variety	Plant height (inches)	Lodging score ¹	Shattering score ¹	Green stem score ¹	Seed moisture (pct.)	Yield (lb/A) ²
Delta Grow	DG45E10	27	1	0	0	13.5	67.2
Dyna-Gro	S45ES10	32	1	0	2	12.9	65.4
Pioneer	P46T51E	26	1	0	1	13.8	65.0
Pioneer	P44T04SE	27	4	0	0	13.6	64.5
Dyna-Gro	S46ES91	36	1	0	1	13.8	61.8
Pioneer	P45T88E	28	4	0	1	13.4	61.7
Delta Grow	DG47E20/STS	40	2	0	1	13.8	60.8
Plot average						13.5	63.8

¹Scores rated on a scale of 0–10 with 0 being excellent and 10 being poor at harvest.

²Soybean yield adjusted to standard moisture content of 13 percent.

Rankin (Nonirrigated): Maturity Group IV (Mixed/Light Soil) Roundup Ready 2 Xtend and XtendFlex

Brand	Variety	Plant height (inches)	Lodging score ¹	Shattering score ¹	Green stem score ¹	Seed moisture (pct.)	Yield (lb/A) ²
NK	S47-Y9X	27	1	2	0	14.7	50.6
NK	S49-F5X	28	3	0	0	14.3	49.2
Progeny	P 4806XFS	25	1	3	0	14.1	47.6
Delta Grow	DG48X45RR2X	29	1	2	0	15.1	47.3
Dyna-Gro	S46XS60	28	2	3	0	15.1	47.1
Great Heart Seed	GT-4677XS	25	1	0	0	15.4	47.1
USG	7489XT	28	2	3	0	14.0	46.9
Asgrow	AG47XF0	30	2	1	0	15.7	46.1
Pioneer	P46A86X	32	2	2	0	14.7	45.5
Asgrow	AG46X6	30	2	3	0	15.8	45.3
Local Seed Co	LS4795XS	27	1	3	0	14.8	44.6
Dyna-Gro	S48XT90	28	1	1	0	15.7	42.7
Pioneer	P48A60X	26	1	3	0	15.5	41.6
Progeny	P 4970RX	36	2	0	0	14.5	40.9
Asgrow	AG48XF0	28	1	3	0	14.8	40.8
Plot average						14.9	45.5

¹Scores rated on a scale of 0–10 with 0 being excellent and 10 being poor at harvest.

²Soybean yield adjusted to standard moisture content of 13 percent.

Sharkey County (Irrigated): Maturity Group IV (Clay Soil) Roundup Ready 2 Xtend and XtendFlex

Brand	Variety	Plant height (inches)	Lodging score ¹	Shattering score ¹	Green stem score ¹	Seed moisture (pct.)	Yield (lb/A) ²
Pioneer	P46A86X	37	5	0	0	14.6	68.5
Asgrow	AG46X6	31	4	0	0	14.8	63.9
Asgrow	AG47XF0	34	2	0	0	14.1	63.7
Progeny	P 4851RX	37	8	0	0	14.5	63.6
Dyna-Gro	S48XT90	34	4	0	0	14.4	63.5
USG	7489XT	29	2	0	0	13.6	62.4
Dyna-Gro	S49XT70	28	3	0	0	13.2	60.4
Delta Grow	DG47X95RR2X/STS	33	6	0	0	13.9	59.7
NK	S49-F5X	29	2	0	0	13.4	59.0
Progeny	P 4604XFS	38	5	0	0	14.4	56.8
Great Heart Seed	GT-4681XFS	34	3	0	0	14.2	55.9
Pioneer	P47A64X	36	4	0	0	15.0	54.2
Local Seed Co	LS4806XS	33	3	0	0	15.0	53.0
Plot average						14.2	60.4

¹Scores rated on a scale of 0–10 with 0 being excellent and 10 being poor at harvest.

²Soybean yield adjusted to standard moisture content of 13 percent.

Sharkey County (Irrigated): Maturity Group IV (Clay Soil) Roundup Ready 2 Xtend and XtendFlex

Brand	Variety	Plant height (inches)	Lodging score ¹	Shattering score ¹	Green stem score ¹	Seed moisture (pct.)	Yield (lb/A) ²
Asgrow	AG45XF0	28	2	1	0	13.8	73.7
Pioneer	P46A86X	32	2	1	0	12.9	70.7
Asgrow	AG47XF0	28	1	1	0	12.4	69.2
Pioneer	P47A64X	36	1	0	0	12.0	69.0
NK	S49-F5X	31	0	0	0	11.6	68.8
Asgrow	AG46X6	27	2	2	0	11.8	67.6
Delta Grow	DG47X95RR2X/STS	36	2	0	0	12.2	66.7
Progeny	P 4851RX	32	5	2	1	11.7	66.5
Dyna-Gro	S48XT90	31	1	0	0	12.1	65.6
Dyna-Gro	S49XT70	35	0	0	0	11.6	65.2
Progeny	P 4604XFS	34	2	0	0	12.3	65.0
USG	7489XT	29	1	0	0	9.5	64.1
Great Heart Seed	GT-4681XFS	33	2	1	0	12.7	63.6
Local Seed Co	LS4806XS	32	1	0	0	12.2	61.9
Plot average						12.1	67.0

¹Scores rated on a scale of 0–10 with 0 being excellent and 10 being poor at harvest.

²Soybean yield adjusted to standard moisture content of 13 percent.

Sunflower County (Irrigated): Maturity Group IV (Clay Soil) Roundup Ready 2 Xtend and XtendFlex

Brand	Variety	Plant height (inches)	Lodging score ¹	Shattering score ¹	Green stem score ¹	Seed moisture (pct.)	Yield (lb/A) ²
Asgrow	AG46X6	36	4	1	0	12.0	89.4
NK	S49-F5X	37	2	1	0	13.3	89.2
Progeny	P 4604XFS	42	3	1	0	12.5	89.0
Dyna-Gro	S48XT90	41	3	1	0	12.5	88.1
Great Heart Seed	GT-4681XFS	33	3	1	0	12.3	88.0
Asgrow	AG47XF0	37	3	1	0	12.2	86.7
Progeny	P 4851RX	40	5	1	0	12.4	86.6
Pioneer	P46A86X	41	4	1	0	12.5	86.1
Dyna-Gro	S49XT70	39	2	1	0	13.6	85.5
Local Seed Co	LS4806XS	36	2	1	0	12.4	85.0
Delta Grow	DG47X95RR2X/STS	43	4	1	0	12.7	84.3
USG	7489XT	42	4	1	0	13.4	83.9
Asgrow	AG45XF0	39	2	2	0	12.3	83.3
Plot average						12.6	86.5

¹Scores rated on a scale of 0–10 with 0 being excellent and 10 being poor at harvest.

²Soybean yield adjusted to standard moisture content of 13 percent.

Washington County (Irrigated): Maturity Group IV EARLY Roundup Ready 2 Xtend and Xtend Flex

Brand	Variety	Plant height (inches)	Lodging score ¹	Shattering score ¹	Green stem score ¹	Seed moisture (pct.)	Yield (lb/A) ²
Progeny	P 4505RXS	42	4	0	1	12.7	74.1
Local Seed Co	LS4299XS	32	2	0	0	13.1	72.5
Dyna-Gro	S43XS70	32	3	0	1	12.5	72.5
NK	S44-C7X	32	2	0	1	12.4	71.9
Great Heart Seed	GT-4255XS	36	2	0	1	13.2	71.7
Asgrow	AG43X0	32	2	0	2	13.1	70.7
Pioneer	P42A96X	33	1	0	5	12.5	67.2
Plot average						12.8	71.5

¹Scores rated on a scale of 0–10 with 0 being excellent and 10 being poor at harvest.

²Soybean yield adjusted to standard moisture content of 13 percent.

Washington County (Irrigated): Maturity Group IV (Clay Soil) Roundup Ready 2 Xtend and XtendFlex

Brand	Variety	Plant height (inches)	Lodging score ¹	Shattering score ¹	Green stem score ¹	Seed moisture (pct.)	Yield (lb/A) ²
USG	7489XT	38	2	0	1	11.8	79.1
Pioneer	P47A64X	41	4	0	0	11.9	76.8
Asgrow	AG46X6	38	4	0	0	11.8	76.5
Dyna-Gro	S48XT90	41	2	0	1	12.4	74.5
Asgrow	AG47XF0	40	2	0	1	12.7	74.3
NK	S49-F5X	38	3	0	1	11.7	74.1
Pioneer	P46A86X	41	2	0	1	12.4	73.6
Delta Grow	DG47X95RR2X/STS	41	4	0	0	12.4	73.2
Local Seed Co	LS4806XS	38	2	0	1	11.7	72.6
Dyna-Gro	S49XT70	41	2	0	0	11.6	71.3
Progeny	P 4851RX	42	5	0	0	12.7	70.3
Asgrow	AG45XF0	40	4	0	1	13.0	69.8
Great Heart Seed	GT-4681XFS	38	3	0	1	12.2	69.5
Progeny	P 4604XFS	38	3	0	1	12.0	68.7
Plot average						12.2	73.2

¹Scores rated on a scale of 0–10 with 0 being excellent and 10 being poor at harvest.

²Soybean yield adjusted to standard moisture content of 13 percent.

Publication 3799 (POD-7-22)

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Produced by Agricultural Communications.

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Extension Service of Mississippi State University, cooperating with U.S. Department of Agriculture. Published in furtherance of Acts of Congress, May 8 and June 30, 1914. GARY B. JACKSON, Director

