

2018 MSU Extension Soybean Variety Demonstration Program



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Washington County – Irrigated – MG IV & V LL34

During the 2018 growing season, a total of 22 on-farm soybean variety demonstration plots were successfully conducted. The following information is intended to complement data generated through small-plot OVT testing programs.

2018 Locations

County	Demonstration Type	Irrigation Method
Bolivar	MG IV RR2X (Mixed/Light Soil)	Furrow
Bolivar	MG IV RR2X (Clay Soil)	Furrow
Hinds	MG V RR2X	None
Humphreys	MG IV RR2X (Clay Soil)	Furrow
Jefferson	MG V RR2X	None
Lee	MG IV & V LL	None
Leflore	MG IV RR2X (Clay Soil)	Furrow
Leflore	MG IV RR2X (Mixed/Light Soil)	Furrow
Madison	MG V RR2X	None
Monroe	MG V RR2X	None
Noxubee	MG IV RR2X (Clay Soil)	None
Noxubee	MG V RR2X	None
Noxubee	MG IV & V LL	None
Oktibbeha	MG IV RR2X (Mixed/Light Soil)	Furrow
Oktibbeha	MG V RR2X	Furrow
Pontotoc	MG IV RR2X (Mixed/Light Soil)	None
Rankin	MG IV RR2X (Mixed/Light Soil)	None
Sharkey	MG IV RR2X (Clay Soil)	Furrow
Sunflower	MG IV RR2X (Mixed/Light Soil)	Furrow
Sunflower	MG IV RR2X (Clay Soil)	Furrow
Sunflower	MG IV RR2X (Clay Soil)	Furrow
Washington	MG IV & V LL	Furrow

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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 their continued support of these efforts. In addition, the seed companies and their representatives are sincerely appreciated for providing the seed used at each location. The relationships among participating individuals are critical for the continued success of this program.

Assistance in the conduct of this program provided by: Chase Floyd, Kyle Sorrels, Tanner Dinsmore, Jake Hall and Tristan Knight.

County	Plot Type	Planting Date	Seeding Rate	Plot Width	Row Spacing	Tillage System	Soil Series	Irrigation Method	Harvest Date
Bolivar	MG IV RR2X (Mixed/Light)	3-May	135,000	12 twin rows	38"	Conv.	Dundee silty clay loam	Furrow	23-Oct
Bolivar	MG IV RR2X (Clay)	3-May	140,000	8 rows	38"	Conv.	Sharkey clay	Furrow	7-Oct
Hinds	MG V RR2X	17-May	90,000	8 rows	30"	Conv.	Memphis silt loam	None	15-Oct
Humphreys	MG IV RR2X (Clay)	11-May	140,000	16 twin rows	38"	Conv.	Alligator- Dowling clay	Furrow	8-Oct
Jefferson	MG V RR2X	18-May	150,000	25 rows	19"	Min. Till.	Sharkey clay	None	9-Oct
Lee	MG IV & V LL	11-Jun	140,000	10 rows	15"	Min. Till	Mantachie fine sandy loam	None	12-Oct
Leflore	MG IV RR2X (Clay)	3-May	120,000	6 rows	38"	Conv.	Alligator clay	Furrow	9-Oct
Leflore	MG IV RR2X (Mixed/Light)	3-May	115,000	8 rows	38"	Conv.	Dundee loam	Furrow	5-Oct
Madison	MG V RR2X	1-May	120,000	6 rows	30"	Min. Till.	Calloway silt loam	None	2-Oct
Monroe	MG V RR2X	10-May	115,000	6 rows	30"	Min. Till.	Vaiden silty clay	None	24-Oct
Noxubee	MG IV RR2X (Clay)	15-May	130,000	4 rows	38"	Conv.	Brooksville silty clay	None	24-Sep
Noxubee	MG V RR2X	15-May	130,000	4 rows	38"	Conv.	Brooksville silty clay	None	24-Sep
Noxubee	MG IV LL	8-May	140,000	4 rows	38"	Conv.	Brooksville silty clay	None	25-Sep
Noxubee	MG V LL	8-May	140,000	4 rows	38"	Conv.	Brooksville silty clay	None	25-Sep
Oktibbeha	MG IV RR2X (Mixed/Light)	15-May	140,000	2 rows	38"	Conv.	Marietta fine sandy loam	Furrow	2-Oct
Oktibbeha	MG V RR2X	15-May	140,000	2 rows	38"	Conv.	Marietta fine sandy loam	Furrow	4-Oct
Pontotoc	MG IV RR2X (Mixed/Light)	10-May	128,000	4 rows	30"	No Till.	Adaton silt loam	None	4-Oct
Rankin	MG IV RR2X (Mixed/Light)	1-May	135,000	5 rows	30"	Min. Till.	Kipling silt loam	None	14-Sep
Sharkey	MG IV RR2X (Clay)	10-May	132,000	6 rows	38"	Conv.	Sharkey clay	Furrow	9-Oct
Sunflower	MG IV RR2X (Mixed/Light)	2-May	125,000	4 twin rows	30"	Min. Till	Alligator silty clay loam	Furrow	1-Oct
Sunflower	MG IV RR2X (Clay)	2-May	130,000	8 twin rows	30"	Min. Till.	Alligator clay	Furrow	1-Oct
Sunflower	MG IV RR2X (Clay)	2-May	120,000	12 twin rows	40"	Conv. Till	Alligator clay	Furrow	8-Oct
Washington	MG IV & V LL	10-May	138,000	16 rows	38"	Conv.	Dubbs very fine sandy loam	Furrow	11-Oct

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
AgriGold	G4440RX	4.4	RR2X	I	MB	M	LT
AGS	GS48X18	4.8	RR2X	I	B	MT	T
Armor	46-D08	4.6	RR2X	I	-	MT	T
Armor	47-D17	4.7	RR2X	I	-	MT	LT
Armor	48-D24	4.8	RR2X	I	M	S	LT
Asgrow	AG45X8	4.5	RR2X/SR	I	MB	MT	LT
Asgrow	AG46X6	4.6	RR2X	I	MB	T	T
Delta Grow	DG 48X45 D	4.8	RR2X	-	B	M	-
Dyna-Gro	S45XS66	4.5	RR2X/STS	I	B	MT	LT
Dyna-Gro	S48XT56	4.8	RR2X	I	M	M	LT
Local Seed	LA4677X	4.6	RR2X	I	B	MT	LT
NK	S43-V3X	4.3	RR2X	I	M	MT	LT
NK	S45-K5X	4.5	RR2X	I	B	MT	LT
NK	S48-R2X	4.8	RR2X	I	MB	T	LT
Pioneer	P48A60X	4.8	RR2X	I	MB	M	LT
Pioneer	P48A32X	4.8	RR2X	I	MB	MT	LT
Progeny	P 4851 RX	4.8	RR2X	I	B	M	TL
Progeny	P 4816 RX	4.8	RR2X	I	MB	M	LT
Terral	REV 4857X	4.8	RR2X	I	M	MT	G
Terral	REV 4927X	4.9	RR2X	I	B	MT	LT

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

² – I = indeterminate; D = determinate

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

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

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

Soybean Variety Characteristics (cont.)

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
AgriGold	G5000RX	5.0	RR2X	I	MB	MT	LT
AGS	GS51X18S	5.1	RR2X/STS	I	MB	MT	G
Armor	53-D04	5.3	RR2X	D	M	M	G
Asgrow	AG52X9	5.2	RR2X	I	MB	T	T
Asgrow	AG55X7	5.5	RR2X	D	B	MS	T
Dyna-Gro	S56XT99	5.6	RR2X	D	MB	T	T
Local Seed	LS5087X	5.0	RR2X	I	B	MT	LT
NK	S52-Y7X	5.2	RR2X	I	M	MT	LT
NK	S56-B7X	5.6	RR2X	D	MB	M	G
Pioneer	P54A54X	5.4	RR2X	D	M	M	G
Pioneer	P55A49	5.5	RR2X	D	MB	MS	G
Progeny	P 5016 RXS	5.0	RR2X/STS	I	MB	T	LT
Progeny	P 5688 RX	5.6	RR2X	D	B	T	T

¹ – RR2X = Roundup Ready 2 Xtend; STS = sulfonylurea tolerant soybean

² – I = indeterminate; D = determinate

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

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

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

Soybean Variety Characteristics (cont.)

Maturity Group IV LibertyLink Set							
Brand	Variety	Relative Maturity	Herbicide Package ¹	Growth Habit ²	Canopy Width ³	Plant Height ⁴	Plant Color ⁵
Credenz	CZ 4548 LL	4.5	LL	I	M	MT	LT
Credenz	CZ 4918 LL	4.9	LL	I	M	MT	LT
Delta Grow	DG 4587LL	4.5	LL/STS	I	M	MT	T
Delta Grow	DG 4977LL	4.9	LL/STS	I	M	MT	G
Dyna-Gro	49LL34	4.9	LL	I	M	T	G
Terral	REV 49L88	4.9	LL	I	MB	MT	T

Maturity Group V LibertyLink Set							
Brand	Variety	Relative Maturity	Herbicide Package ¹	Growth Habit ²	Canopy Width ³	Plant Height ⁴	Plant Color ⁵
Credenz	CZ 5150 LL	5.1	LL	D	MB	MT	G
Credenz	CZ 5147 LL	5.1	LL	D	MB	M	T
Go Soy	5115LL	5.1	LL	I	MB	MT	T

¹ – LL = LibertyLink; STS = sulfonylurea tolerant soybean

² – I = indeterminate; D = determinate

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

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

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

Maturity Group IV (Mixed/ Light Soil) Roundup Ready 2 Xtend Varieties Summarized across Irrigated Locations							
Total number of locations:		4					
Planting date range:		2-May-18 to 15-May-18					
Brand	Variety	Avg. Plant Height	Avg. Lodging Score ¹	Avg. Shattering Score ¹	Avg. Green Stem Score ¹	Avg. Seed Moisture	Average Yield ²
		Inches	0 to 10	0 to 10	0 to 10	%	bu/acre
Armor	48-D24	38	2	1	0	15.5	73.2
Delta Grow	DG 48X45 D	38	2	1	0	15.5	71.5
Asgrow	AG46X6	39	3	1	1	15.6	70.1
Dyna-Gro	S48XT56	39	2	1	1	15.3	69.9
Progeny	P 4816 RX	40	3	1	1	15.3	69.0
Terral	REV 4927X	39	3	2	0	15.0	67.3
Pioneer	P48A60X	40	3	1	0	15.1	66.8
Terral	REV 4857X	41	4	1	1	14.9	66.8
Asgrow	AG45X8	37	2	1	1	16.1	65.6
AGS	GS48X18	39	3	1	0	16.2	64.5
AgriGold	G4440RX	40	5	1	0	16.2	64.2
NK	S45-K5X	33	3	1	1	15.7	63.6
Local Seed	LS4677X	39	4	1	0	15.5	63.3
Armor	47-D17	43	5	1	1	15.6	62.6
Progeny	P 4851 RX	42	7	1	1	15.0	62.1
Pioneer	P48A32X	42	6	1	1	15.0	61.6
NK	S43-V3X	36	3	1	1	16.1	61.1
Average across all irr. locations:						15.5	66.1

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

²- Soybean yield adjusted to standard moisture content of 13.0%.

Maturity Group IV (Clay Soil) Roundup Ready 2 Xtend Varieties Summarized across Irrigated Locations							
Total number of locations:		6					
Planting date range:		2-May-18 to 11-May-18					
Brand	Variety	Avg. Plant Height Inches	Avg. Lodging Score ¹ 0 to 10	Avg. Shattering Score ¹ 0 to 10	Avg. Green Stem Score ¹ 0 to 10	Avg. Seed Moisture %	Average Yield ² bu/acre
Asgrow	AG46X6	37	4	1	1	12.1	77.3
AGS	GS48X18	41	3	1	1	12.2	77.1
Armor	48-D24	37	2	1	2	12.2	76.9
Pioneer	P48A60X	39	2	1	1	11.8	76.1
Pioneer	P48A32X	42	4	1	1	12.0	74.4
Terral	REV 4927X	39	3	1	1	12.1	73.9
Delta Grow	DG 48X45 D	37	2	1	2	12.2	73.8
Dyna-Gro	S45XS66	39	4	1	1	12.1	73.7
Armor	47-D17	43	5	1	1	12.2	73.4
Local Seed	LS4677X	38	3	1	1	12.0	72.3
Progeny	P 4816 RX	38	2	1	2	12.1	72.3
AgriGold	G4440RX	37	3	1	1	11.8	72.2
Asgrow	AG45X8	36	2	1	0	12.1	71.8
Progeny	P 4851 RX	39	6	1	2	12.0	71.3
Terral	REV 4857X	38	3	1	1	12.0	70.4
NK	S48-R2X	38	2	1	1	12.0	69.7
NK	S43-V3X	35	3	2	1	12.4	67.7
Average across all irr. locations:						12.1	73.2

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

²- Soybean yield adjusted to standard moisture content of 13.0%.

Maturity Group V Roundup Ready 2 Xtend Varieties Summarized across Non-irrigated Locations							
Total number of locations:		5					
Planting date range:		1-May-18 to 18-May-18					
Brand	Variety	Avg. Plant Height	Avg. Lodging Score ¹	Avg. Shattering Score ¹	Avg. Green Stem Score ¹	Avg. Seed Moisture	Average Yield ²
		Inches	0 to 10	0 to 10	0 to 10	%	bu/acre
AgriGold	G5000RX	39	2	1	1	12.5	51.4
Local Seed	LS5087X	40	2	1	1	12.4	49.8
Progeny	P 5016 RXS	48	2	1	1	12.5	51.7
AGS	GS51X18S	36	2	1	0	12.6	48.1
Asgrow	AG52X9	39	2	1	1	12.7	53.0
NK	S52-Y7X	34	1	1	1	12.3	48.8
Armor	53-D04	27	1	1	3	12.7	52.8
Pioneer	P54A54X	26	1	1	3	12.5	57.0
Asgrow	AG55X7	24	1	1	3	12.6	50.8
Pioneer	P55A49	26	1	1	3	12.5	54.4
Dyna-Gro	S56XT99	33	1	1	3	12.8	53.5
NK	S56-B7X	32	1	1	2	13.2	49.8
Progeny	P 5688 RX	34	2	1	3	13.2	53.3
Average across all irr. locations:						12.7	51.9

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

²- Soybean yield adjusted to standard moisture content of 13.0%.

Bolivar County – Irrigated Maturity Group IV (Mixed/Light Soil) Roundup Ready 2 Xtend											
Brand	Variety	Final Height	Lodging Score	Shattering Score	Green Stem Score	Disease Ratings				Seed Moisture	Yield ⁵
		Inches	0 to 10 ⁶	0 to 10 ⁶	0 to 10 ⁶	CLB ¹	FLS ²	SBS ³	TS ⁴	%	bu/acre
Asgrow	AG46X6	46	4	1	1	6	-	8	7	13.6	96.4
Dyna-Gro	S48XT56	43	2	1	1	6	-	8	6	13.4	94.7
Armor	48-D24	44	2	1	0	6	-	9	8	13.5	93.7
Delta Grow	DG 48X45 D	42	2	1	0	6	1	7	7	13.5	91.1
Asgrow	AG45X8	41	2	2	1	6	-	9	8	13.9	90.2
Progeny	P 4816 RX	46	2	1	1	6	-	7	7	13.6	90.1
Pioneer	P48A32X	42	7	1	1	6	-	9	6	13.1	88.5
Terral	REV 4927X	42	5	1	0	6	-	8	9	13.1	87.7
AgriGold	G4440RX	43	7	1	0	6	-	7	7	14.1	87.4
AGS	GS48X18	44	4	1	0	6	-	8	7	13.8	85.4
Pioneer	P48A60X	42	3	1	1	7	-	8	7	13.7	85.4
NK	S43-V3X	35	3	2	2	7	-	8	6	13.8	85.3
NK	S45-K5X	32	1	1	1	7	-	7	9	13.5	84.9
Terral	REV 4857X	45	8	1	1	6	-	8	6	13.2	83.5
Local Seed	LS4677X	43	5	1	0	6	-	8	7	13.4	82.7
Armor	47-D17	43	5	1	0	6	-	7	8	13.7	82.5
Progeny	P 4851 RX	45	9	1	1	6	-	9	7	13.4	80.9
Plot Average:										13.5	87.7

¹- Cercospora leaf blight severity ratings based on progression of disease from leaf tissue (0-5), to petioles (6), and to pods and main stems (7-9).

²- Frogeye leaf spot severity ratings.

³- Septoria brown spot severity ratings based on progression of disease from the lower canopy (0-3), to mid-canopy (4-6), to upper-canopy (7-9).

⁴- Target spot severity ratings based on progression of disease from the lower canopy (0-3), to mid-canopy (4-6), to upper-canopy (7-9).

⁵- Soybean yield adjusted to standard moisture content of 13.0%.

⁶- Scores rated on scale of 0-10 with 0 being excellent and 10 being poor at harvest.

⁷- Scores rated on scale of 0-9 with 0 being excellent and 9 being most severe.

**Bolivar County – Irrigated
Maturity Group IV (Clay Soil) Roundup Ready 2 Xtend**

Brand	Variety	Final Height	Lodging Score	Shattering Score	Green Stem Score	Disease Ratings				Seed Moisture	Yield ⁵
		Inches	0 to 10 ⁶	0 to 10 ⁶	0 to 10 ⁶	CLB ¹	FLS ²	SBS ³	TS ⁴	%	bu/acre
Armor	48-D24	39	1	3	0	6	1	6	7	10.7	89.1
Asgrow	AG46X6	36	7	2	0	6	-	7	6	10.8	87.6
Progeny	P 4816 RX	40	2	2	0	6	-	7	8	9.9	86.2
Delta Grow	DG 48X45 D	40	2	1	1	6	-	8	8	10.4	84.3
AgriGold	G4440RX	38	1	1	0	7	1	8	8	9.6	84.0
Terral	REV 4927X	40	5	1	0	7	-	8	7	10.3	83.6
Terral	REV 4857X	40	4	1	2	6	-	9	7	9.7	83.4
Pioneer	P48A60X	41	4	1	1	7	1	8	9	10.4	83.3
Pioneer	P48A32X	43	8	2	0	7	-	8	9	10.2	80.9
AGS	GS48X18	41	4	2	1	6	-	8	7	10.4	80.6
Asgrow	AG45X8	34	2	1	0	7	-	8	9	10.5	80.4
NK	S48-R2X	39	3	1	0	7	-	8	9	10.5	80.4
Local Seed	LS4677X	43	5	1	0	7	-	8	6	10.4	79.9
Dyna-Gro	S45XS66	41	6	2	0	6	1	7	6	10.9	78.3
Armor	47-D17	44	6	1	0	7	1	7	8	11.0	73.6
NK	S43-V3X	33	2	3	0	6	-	8	7	11.3	73.0
Progeny	P 4851 RX	38	9	1	2	6	1	7	9	10.5	71.3
										10.4	81.2

¹- Cercospora leaf blight severity ratings based on progression of disease from leaf tissue (0-5), to petioles (6), and to pods and main stems (7-9).

²- Frogeye leaf spot severity ratings.

³- Septoria brown spot severity ratings based on progression of disease from the lower canopy (0-3), to mid-canopy (4-6), to upper-canopy (7-9).

⁴- Target spot severity ratings based on progression of disease from the lower canopy (0-3), to mid-canopy (4-6), to upper-canopy (7-9).

⁵- Soybean yield adjusted to standard moisture content of 13.0%.

⁶- Scores rated on scale of 0-10 with 0 being excellent and 10 being poor at harvest.

⁷- Scores rated on scale of 0-9 with 0 being excellent and 9 being most severe.

**Hinds County – Non-Irrigated
Maturity Group V Roundup Ready 2 Xtend**

Brand	Variety	Final Height	Lodging Score	Shattering Score	Green Stem Score	Disease Ratings				Seed Moisture	Yield ⁵
		Inches	0 to 10 ⁶	0 to 10 ⁶	0 to 10 ⁶	CLB ¹	FLS ²	SBS ³	TS ⁴	%	bu/acre
Progeny	P 5688 RX	25	0	1	1	6	-	8	8	13.5	48.1
NK	S52-Y7X	25	0	1	1	7	-	7	8	12.7	46.4
Dyna-Gro	S56XT99	26	0	1	1	6	-	8	7	12.2	44.7
Local Seed	LS5087X	34	1	1	0	7	-	8	8	12.7	44.1
Asgrow	AG52X9	27	0	1	0	6	-	7	8	12.7	42.9
Progeny	P 5016 RXS	34	1	1	0	7	-	8	8	12.5	42.8
AgriGold	G5000RX	31	1	1	0	7	-	7	8	12.6	42.6
Armor	53-D04	20	0	1	0	6	-	7	7	12.5	41.5
Pioneer	P54A54X	16	0	1	1	6	-	8	7	12.2	40.8
AGS	GS51X18S	27	1	1	0	7	-	8	7	13.1	39.3
Pioneer	P55A49	19	0	1	0	6	-	8	8	12.3	37.5
NK	S56-B7X	23	0	1	0	6	-	7	7	12.6	35.0
Asgrow	AG55X7	17	0	1	1	6	-	7	7	12.6	32.4
Plot Average:										12.6	41.4

¹- Cercospora leaf blight severity ratings based on progression of disease from leaf tissue (0-5), to petioles (6), and to pods and main stems (7-9).

²- Frogeye leaf spot severity ratings.

³- Septoria brown spot severity ratings based on progression of disease from the lower canopy (0-3), to mid-canopy (4-6), to upper-canopy (7-9).

⁴- Target spot severity ratings based on progression of disease from the lower canopy (0-3), to mid-canopy (4-6), to upper-canopy (7-9).

⁵- Soybean yield adjusted to standard moisture content of 13.0%.

⁶- Scores rated on scale of 0-10 with 0 being excellent and 10 being poor at harvest.

⁷- Scores rated on scale of 0-9 with 0 being excellent and 9 being most severe.

**Humphreys County – Irrigated
Maturity Group IV (Clay Soil) Roundup Ready 2 Xtend**

Brand	Variety	Final Height	Lodging Score	Shattering Score	Green Stem Score	Disease Ratings				Seed Moisture	Yield ⁵
		Inches	0 to 10 ⁶	0 to 10 ⁶	0 to 10 ⁶	CLB ¹	FLS ²	SBS ³	TS ⁴	%	bu/acre
Armor	47-D17	40	5	1	1	6	-	8	6	11.8	73.8
Asgrow	AG46X6	35	2	1	1	7	-	8	8	11.1	73.6
Progeny	P 4851 RX	40	4	1	1	7	-	8	7	11.9	72.1
Pioneer	P48A32X	44	3	1	0	7	-	7	6	12.0	71.6
Terral	REV 4927X	39	2	1	0	7	-	8	6	12.4	71.4
Dyna-Gro	S45XS66	40	4	1	0	7	-	8	6	11.2	70.6
Armor	48-D24	39	2	1	1	6	-	7	6	11.3	70.0
Delta Grow	DG 48X45 D	33	3	1	4	6	-	6	7	12.0	69.6
Progeny	P 4816 RX	40	3	1	2	7	-	7	6	12.5	69.3
Pioneer	P48A60X	36	1	1	0	7	-	8	8	11.6	68.7
Asgrow	AG45X8	38	2	1	0	7	-	7	7	10.8	68.1
Terral	REV 4857X	36	2	1	1	7	-	8	8	12.3	67.3
AGS	GS48X18	40	5	1	0	6	-	7	6	11.6	64.1
AgriGold	G4440RX	39	3	1	0	7	-	7	7	10.9	63.7
NK	S48-R2X	39	2	1	3	6	-	7	7	11.1	63.0
NK	S43-V3X	37	3	1	0	7	-	8	6	11.1	62.5
Local Seed	LS4677X	33	5	1	0	7	-	7	6	11.2	60.7
Plot Average:										11.6	68.2

¹- Cercospora leaf blight severity ratings based on progression of disease from leaf tissue (0-5), to petioles (6), and to pods and main stems (7-9).

²- Frogeye leaf spot severity ratings.

³- Septoria brown spot severity ratings based on progression of disease from the lower canopy (0-3), to mid-canopy (4-6), to upper-canopy (7-9).

⁴- Target spot severity ratings based on progression of disease from the lower canopy (0-3), to mid-canopy (4-6), to upper-canopy (7-9).

⁵- Soybean yield adjusted to standard moisture content of 13.0%.

⁶- Scores rated on scale of 0-10 with 0 being excellent and 10 being poor at harvest.

⁷- Scores rated on scale of 0-9 with 0 being excellent and 9 being most severe.

**Jefferson County – Non-Irrigated
Maturity Group V Roundup Ready 2 Xtend**

Brand	Variety	Final Height	Lodging Score	Shattering Score	Green Stem Score	Disease Ratings				Seed Moisture	Yield ⁵
		Inches	0 to 10 ⁶	0 to 10 ⁶	0 to 10 ⁶	CLB ¹	FLS ²	SBS ³	TS ⁴	%	bu/acre
Pioneer	P54A54X	22	-	-	-	-	-	-	-	13.2	80.2
NK	S52-Y7X	26	-	-	-	-	-	-	-	13.2	80.0
Aarmor	53-D04	26	-	-	-	-	-	-	-	13.1	79.9
Asgrow	AG52X9	43	-	-	-	-	-	-	-	13.2	79.0
AgriGold	G5000RX	39	-	-	-	-	-	-	-	13.3	78.1
AGS	GS51X18S	42	-	-	-	-	-	-	-	13.3	76.3
Local Seed	LS5087X	41	-	-	-	-	-	-	-	13.1	76.1
Pioneer	P55A49	31	-	-	-	-	-	-	-	12.9	75.9
Asgrow	AG55X7	24	-	-	-	-	-	-	-	12.8	75.5
Progeny	P 5016 RXS	41	-	-	-	-	-	-	-	13.3	75.0
Dyna-Gro	S56XT99	35	-	-	-	-	-	-	-	13.1	71.4
Progeny	P 5688 RX	46	-	-	-	-	-	-	-	13.3	69.8
NK	S56-B7X	29	-	-	-	-	-	-	-	13.4	68.3
Plot Average:										13.2	75.8

¹- Cercospora leaf blight severity ratings based on progression of disease from leaf tissue (0-5), to petioles (6), and to pods and main stems (7-9).

²- Frogeye leaf spot severity ratings.

³- Septoria brown spot severity ratings based on progression of disease from the lower canopy (0-3), to mid-canopy (4-6), to upper-canopy (7-9).

⁴- Target spot severity ratings based on progression of disease from the lower canopy (0-3), to mid-canopy (4-6), to upper-canopy (7-9).

⁵- Soybean yield adjusted to standard moisture content of 13.0%.

⁶- Scores rated on scale of 0-10 with 0 being excellent and 10 being poor at harvest.

⁷- Scores rated on scale of 0-9 with 0 being excellent and 9 being most severe.

Lee County – Non-Irrigated Maturity Group IV LibertyLink											
Brand	Variety	Final Height	Lodging Score	Shattering Score	Green Stem Score	Disease Ratings				Seed Moisture	Yield ⁵
		Inches	0 to 10 ⁶	0 to 10 ⁶	0 to 10 ⁶	CLB ¹	FLS ²	SBS ³	TS ⁴	%	bu/acre
Delta Grow	DG 4587LL	30	2	2	3	6	-	8	7	12.1	62.3
Terral	REV 49L88	36	4	1	3	6	-	7	6	12.2	61.0
Credenz	CZ 4548 LL	28	0	3	1	7	-	7	7	12.2	51.8
Credenz	CZ 4918 LL	21	0	2	2	6	-	7	8	12.0	42.0
Delta Grow	DG 4977LL	35	3	2	1	6	-	-	-	12.3	41.7
Dyna-Gro	49LL34	28	1	1	1	6	-	7	7	12.0	38.4
Plot Average:										12.1	49.5
Lee County – Non-Irrigated Maturity Group V LibertyLink											
Credenz	CZ 5150 LL	33	2	2	2	6	-	7	8	11.8	49.8
GoSoy	5115LL	32	2	3	4	6	-	8	7	11.9	47.1
Credenz	CZ 5147 LL	25	0	1	6	6	3	8	8	11.8	43.0
Plot Average:										11.8	46.6

¹- Cercospora leaf blight severity ratings based on progression of disease from leaf tissue (0-5), to petioles (6), and to pods and main stems (7-9).

²- Frogeye leaf spot severity ratings.

³- Septoria brown spot severity ratings based on progression of disease from the lower canopy (0-3), to mid-canopy (4-6), to upper-canopy (7-9).

⁴- Target spot severity ratings based on progression of disease from the lower canopy (0-3), to mid-canopy (4-6), to upper-canopy (7-9).

⁵- Soybean yield adjusted to standard moisture content of 13.0%.

⁶- Scores rated on scale of 0-10 with 0 being excellent and 10 being poor at harvest.

⁷- Scores rated on scale of 0-9 with 0 being excellent and 9 being most severe.

**Leflore County – Irrigated
Maturity Group IV (Clay Soil) Roundup Ready 2 Xtend**

Brand	Variety	Final Height	Lodging Score	Shattering Score	Green Stem Score	Disease Ratings				Seed Moisture	Yield ⁵
		Inches	0 to 10 ⁶	0 to 10 ⁶	0 to 10 ⁶	CLB ¹	FLS ²	SBS ³	TS ⁴	%	bu/acre
Armor	48-D24	34	2	1	2	7	1	7	6	12.8	66.1
Terral	REV 4927X	33	2	1	0	7	-	8	8	13.7	65.7
Asgrow	AG46X6	37	3	0	1	7	-	8	7	12.7	65.0
Progeny	P 4851 RX	32	3	2	0	7	-	8	7	13.5	64.5
Pioneer	P48A32X	39	3	1	0	7	-	8	6	13.7	64.4
Pioneer	P48A60X	39	1	2	0	7	-	8	7	13.0	64.0
Local Seed	LS4677X	38	2	0	0	7	-	7	7	12.9	63.4
Armor	47-D17	38	4	2	0	7	-	8	8	13.0	62.7
AGS	GS48X18	40	2	1	0	6	-	8	8	13.2	62.3
AgriGold	G4440RX	35	4	1	0	7	1	7	6	12.7	60.6
Progeny	P 4816 RX	35	1	0	0	7	-	7	6	13.2	60.4
Terral	REV 4857X	34	2	2	1	7	1	8	6	13.6	60.4
Dyna-Gro	S45XS66	38	3	0	0	7	-	7	8	12.7	60.3
NK	S43-V3X	30	2	1	0	7	-	8	7	12.9	59.1
Delta Grow	DG 48X45 D	37	1	0	0	7	-	8	6	13.2	57.9
Asgrow	AG45X8	35	3	1	0	7	-	7	7	12.8	56.9
NK	S48-R2X	36	1	0	0	6	-	7	6	13.4	53.9

Plot Average:

13.1 61.6

¹- Cercospora leaf blight severity ratings based on progression of disease from leaf tissue (0-5), to petioles (6), and to pods and main stems (7-9).

²- Frogeye leaf spot severity ratings.

³- Septoria brown spot severity ratings based on progression of disease from the lower canopy (0-3), to mid-canopy (4-6), to upper-canopy (7-9).

⁴- Target spot severity ratings based on progression of disease from the lower canopy (0-3), to mid-canopy (4-6), to upper-canopy (7-9).

⁵- Soybean yield adjusted to standard moisture content of 13.0%.

⁶- Scores rated on scale of 0-10 with 0 being excellent and 10 being poor at harvest.

⁷- Scores rated on scale of 0-9 with 0 being excellent and 9 being most severe.

Leflore County – Irrigated Maturity Group IV (Mixed/Light Soil) Roundup Ready 2 Xtend											
Brand	Variety	Final Height	Lodging Score	Shattering Score	Green Stem Score	Disease Ratings				Seed Moisture	Yield ⁵
		Inches	0 to 10 ⁶	0 to 10 ⁶	0 to 10 ⁶	CLB ¹	FLS ²	SBS ³	TS ⁴	%	bu/acre
Pioneer	P48A60X	38	3	1	0	7	-	7	8	12.9	72.4
Armor	48-D24	37	2	1	0	7	-	8	6	14.4	71.4
Progeny	P 4816 RX	35	2	1	0	7	-	7	6	13.2	70.0
Delta Grow	DG 48X45 D	35	2	1	0	7	-	7	7	13.6	69.0
AGS	GS48X18	37	3	2	0	7	-	9	8	14.0	66.3
Local Seed	LS4677X	39	5	1	0	7	-	8	8	13.8	66.2
Dyna-Gro	S48XT56	38	2	2	0	7	-	9	7	13.0	64.1
Asgrow	AG46X6	39	4	1	0	7	-	9	7	14.0	63.7
NK	S45-K5X	33	2	1	0	7	-	8	6	15.0	61.5
Terral	REV 4857X	39	3	2	0	7	-	8	8	12.5	61.4
Terral	REV 4927X	36	3	3	0	7	-	8	7	12.3	56.1
AgriGold	G4440RX	39	5	1	0	7	-	9	8	14.5	56.0
Asgrow	AG45X8	34	2	1	0	7	-	8	7	14.4	55.3
Pioneer	P48A32X	40	9	1	0	7	-	8	8	12.3	49.8
Progeny	P 4851 RX	39	9	2	0	7	-	8	8	12.2	49.8
Armor	47-D17	45	8	2	0	7	1	8	7	13.7	49.5
NK	S43-V3X	33	4	1	0	7	-	8	7	14.7	47.1
Plot Average:										13.6	60.6

¹- Cercospora leaf blight severity ratings based on progression of disease from leaf tissue (0-5), to petioles (6), and to pods and main stems (7-9).

²- Frogeye leaf spot severity ratings.

³- Septoria brown spot severity ratings based on progression of disease from the lower canopy (0-3), to mid-canopy (4-6), to upper-canopy (7-9).

⁴- Target spot severity ratings based on progression of disease from the lower canopy (0-3), to mid-canopy (4-6), to upper-canopy (7-9).

⁵- Soybean yield adjusted to standard moisture content of 13.0%.

⁶- Scores rated on scale of 0-10 with 0 being excellent and 10 being poor at harvest.

⁷- Scores rated on scale of 0-9 with 0 being excellent and 9 being most severe.

**Madison County – Non-Irrigated
Maturity Group V Roundup Ready 2 Xtend**

Brand	Variety	Final Height	Lodging Score	Shattering Score	Green Stem Score	Disease Ratings				Seed Moisture	Yield ⁵
		Inches	0 to 10 ⁶	0 to 10 ⁶	0 to 10 ⁶	CLB ¹	FLS ²	SBS ³	TS ⁴	%	bu/acre
Pioneer	P54A54X	30	1	1	0	-	-	-	-	12.4	56.1
Asgrow	AG55X7	23	1	1	0	-	-	-	-	12.6	54.1
Pioneer	P55A49	26	1	2	1	-	-	-	-	12.3	53.7
Dyna-Gro	S56XT99	31	1	1	1	-	-	-	-	13.0	52.8
Armor	53-D04	29	1	1	1	-	-	-	-	12.6	52.5
Progeny	P 5688 RX	31	3	1	0	-	-	-	-	13.4	50.6
NK	S56-B7X	41	1	1	0	-	-	-	-	12.8	49.1
Asgrow	AG52X9	44	2	1	0	-	-	-	-	12.1	48.7
AGS	GS51X18S	41	2	1	1	-	-	-	-	12.1	47.5
Progeny	P 5016 RXS	37	1	1	0	-	-	-	-	12.1	46.4
Local Seed	LS5087X	44	2	1	0	-	-	-	-	12.1	45.6
AgriGold	G5000RX	42	1	2	0	-	-	-	-	12.1	45.0
NK	S52-Y7X	41	1	1	0	-	-	-	-	12.2	41.7
Plot Average:										12.4	49.5

¹- Cercospora leaf blight severity ratings based on progression of disease from leaf tissue (0-5), to petioles (6), and to pods and main stems (7-9).

²- Frogeye leaf spot severity ratings.

³- Septoria brown spot severity ratings based on progression of disease from the lower canopy (0-3), to mid-canopy (4-6), to upper-canopy (7-9).

⁴- Target spot severity ratings based on progression of disease from the lower canopy (0-3), to mid-canopy (4-6), to upper-canopy (7-9).

⁵- Soybean yield adjusted to standard moisture content of 13.0%.

⁶- Scores rated on scale of 0-10 with 0 being excellent and 10 being poor at harvest.

⁷- Scores rated on scale of 0-9 with 0 being excellent and 9 being most severe.

**Monroe County – Non-Irrigated
Maturity Group V Roundup Ready 2 Xtend**

Brand	Variety	Final Height	Lodging Score	Shattering Score	Green Stem Score	Disease Ratings				Seed Moisture	Yield ⁵
		Inches	0 to 10 ⁶	0 to 10 ⁶	0 to 10 ⁶	CLB ¹	FLS ²	SBS ³	TS ⁴	%	bu/acre
Pioneer	P54A54X	31	3	1	9	6	1	7	6	13.1	54.8
Progeny	P 5688 RX	38	2	1	8	6	-	7	7	13.1	53.8
Pioneer	P55A49	28	1	1	9	6	3	6	6	12.5	53.5
Dyna-Gro	S56XT99	38	3	1	8	6	-	7	6	12.9	50.7
Progeny	P 5016 RXS	35	2	1	0	7	-	7	6	12.5	48.8
Asgrow	AG52X9	39	2	1	0	6	-	7	6	13.1	48.5
Asgrow	AG55X7	26	1	1	9	6	3	7	7	13.0	47.9
NK	S56-B7X	35	3	1	6	7	-	7	8	13.2	47.1
Armor	53-D04	28	1	1	9	6	-	7	8	12.9	45.5
AgriGold	G5000RX	39	1	1	1	7	-	7	7	13.4	43.2
Local Seed	LS5087X	39	2	1	1	7	-	8	8	12.6	39.7
AGS	GS51X18S	32	2	1	0	6	-	7	8	12.8	38.8
NK	S52-Y7X	37	1	1	1	7	4	7	7	12.3	33.3
Plot Average:										12.9	46.6

¹- Cercospora leaf blight severity ratings based on progression of disease from leaf tissue (0-5), to petioles (6), and to pods and main stems (7-9).

²- Frogeye leaf spot severity ratings.

³- Septoria brown spot severity ratings based on progression of disease from the lower canopy (0-3), to mid-canopy (4-6), to upper-canopy (7-9).

⁴- Target spot severity ratings based on progression of disease from the lower canopy (0-3), to mid-canopy (4-6), to upper-canopy (7-9).

⁵- Soybean yield adjusted to standard moisture content of 13.0%.

⁶- Scores rated on scale of 0-10 with 0 being excellent and 10 being poor at harvest.

⁷- Scores rated on scale of 0-9 with 0 being excellent and 9 being most severe.

**Noxubee County – Non-Irrigated
Maturity Group IV (Clay Soil) Roundup Ready 2 Xtend**

Brand	Variety	Final Height	Lodging Score	Shattering Score	Green Stem Score	Disease Ratings				Seed Moisture	Yield ⁵
		Inches	0 to 10 ⁶	0 to 10 ⁶	0 to 10 ⁶	CLB ¹	FLS ²	SBS ³	TS ⁴	%	bu/acre
Pioneer	P48A60X	40	1	0	0	-	-	-	-	11.5	49.5
Pioneer	P48A32X	44	2	1	0	-	-	-	-	11.5	46.9
Progeny	P 4851 RX	43	6	1	1	-	-	-	-	12.1	46.3
Progeny	P 4816 RX	37	1	1	1	-	-	-	-	11.7	45.0
Terral	REV 4927X	43	2	0	0	-	-	-	-	11.5	44.8
AgriGold	G4440RX	43	2	1	0	-	-	-	-	11.9	43.6
AGS	GS48X18	40	1	0	2	-	-	-	-	11.9	42.6
Delta Grow	DG 48X45 D	37	2	0	4	-	-	-	-	11.9	42.0
Armor	47-D17	44	5	0	1	-	-	-	-	12.3	41.9
Asgrow	AG46X6	38	2	3	0	-	-	-	-	12.3	41.9
Asgrow	AG45X8	40	3	0	0	-	-	-	-	12.0	41.7
Dyna-Gro	S45XS66	44	5	0	1	-	-	-	-	12.3	41.1
NK	S48-R2X	40	0	1	0	-	-	-	-	10.8	41.0
Armor	48-D24	37	1	0	2	-	-	-	-	12.3	40.8
Terral	REV 4857X	39	2	2	0	-	-	-	-	11.4	40.2
Local Seed	LS4677X	38	1	0	0	-	-	-	-	12.2	38.3
NK	S43-V3X	38	0	4	2	-	-	-	-	12.0	36.6
Plot Average:										11.9	42.6

¹- Cercospora leaf blight severity ratings based on progression of disease from leaf tissue (0-5), to petioles (6), and to pods and main stems (7-9).

²- Frogeye leaf spot severity ratings.

³- Septoria brown spot severity ratings based on progression of disease from the lower canopy (0-3), to mid-canopy (4-6), to upper-canopy (7-9).

⁴- Target spot severity ratings based on progression of disease from the lower canopy (0-3), to mid-canopy (4-6), to upper-canopy (7-9).

⁵- Soybean yield adjusted to standard moisture content of 13.0%.

⁶- Scores rated on scale of 0-10 with 0 being excellent and 10 being poor at harvest.

⁷- Scores rated on scale of 0-9 with 0 being excellent and 9 being most severe.

**Noxubee County – Non-Irrigated
Maturity Group V Roundup Ready 2 Xtend**

Brand	Variety	Final Height	Lodging Score	Shattering Score	Green Stem Score	Disease Ratings				Seed Moisture	Yield ⁵
		Inches	0 to 10 ⁶	0 to 10 ⁶	0 to 10 ⁶	CLB ¹	FLS ²	SBS ³	TS ⁴	%	bu/acre
Pioneer	P54A54X	30	1	1	0	-	-	-	-	11.7	53.0
Pioneer	P55A49	27	0	0	0	-	-	-	-	12.7	51.6
NK	S56-B7X	34	1	0	1	-	-	-	-	13.9	49.4
AgriGold	G5000RX	45	3	0	2	-	-	-	-	11.0	47.9
Dyna-Gro	S56XT99	34	0	0	2	-	-	-	-	13.0	47.9
Asgrow	AG52X9	43	2	0	2	-	-	-	-	12.2	46.0
Progeny	P 5016 RXS	92	4	0	3	-	-	-	-	12.0	45.6
Armor	53-D04	32	1	0	1	-	-	-	-	12.4	44.4
Asgrow	AG55X7	29	0	0	2	-	-	-	-	12.2	44.2
Progeny	P 5688 RX	31	1	0	2	-	-	-	-	12.7	44.0
Local Seed	LS5087X	42	3	0	1	-	-	-	-	11.3	43.6
NK	S52-Y7X	39	3	0	1	-	-	-	-	11.2	42.6
AGS	GS51X18S	40	2	1	0	-	-	-	-	11.8	38.7
Plot Average:										12.2	46.1

¹- Cercospora leaf blight severity ratings based on progression of disease from leaf tissue (0-5), to petioles (6), and to pods and main stems (7-9).

²- Frogeye leaf spot severity ratings.

³- Septoria brown spot severity ratings based on progression of disease from the lower canopy (0-3), to mid-canopy (4-6), to upper-canopy (7-9).

⁴- Target spot severity ratings based on progression of disease from the lower canopy (0-3), to mid-canopy (4-6), to upper-canopy (7-9).

⁵- Soybean yield adjusted to standard moisture content of 13.0%.

⁶- Scores rated on scale of 0-10 with 0 being excellent and 10 being poor at harvest.

⁷- Scores rated on scale of 0-9 with 0 being excellent and 9 being most severe.

Noxubee County – Non-Irrigated Maturity Group IV LibertyLink											
Brand	Variety	Final Height	Lodging Score	Shattering Score	Green Stem Score	Disease Ratings				Seed Moisture	Yield ⁵
		Inches	0 to 10 ⁶	0 to 10 ⁶	0 to 10 ⁶	CLB ¹	FLS ²	SBS ³	TS ⁴	%	bu/acre
Credenz	CZ 4918 LL	37	1	1	2	-	-	-	-	15.9	52.9
Terral	REV 49L88	38	4	1	3	-	-	-	-	17.4	45.9
Dyna-Gro	49LL34	32	2	0	3	-	-	-	-	18.1	40.7
Delta Grow	DG 4587LL	34	1	1	2	-	-	-	-	18.3	39.0
Delta Grow	DG 4977LL	39	4	3	0	-	-	-	-	15.0	36.2
Credenz	CZ 4548 LL	38	1	1	2	-	-	-	-	17.8	35.7
Plot Average:										17.1	40.7
Noxubee County – Non-Irrigated Maturity Group V LibertyLink											
GoSoy	5115LL	39	5	1	2	-	-	-	-	15.5	47.3
Credenz	CZ 5150 LL	38	4	1	2	-	-	-	-	17.9	45.6
Credenz	CZ 5147 LL	31	1	0	2	-	-	-	-	17.1	40.3
Plot Average:										16.8	44.4

¹- Cercospora leaf blight severity ratings based on progression of disease from leaf tissue (0-5), to petioles (6), and to pods and main stems (7-9).

²- Frogeye leaf spot severity ratings.

³- Septoria brown spot severity ratings based on progression of disease from the lower canopy (0-3), to mid-canopy (4-6), to upper-canopy (7-9).

⁴- Target spot severity ratings based on progression of disease from the lower canopy (0-3), to mid-canopy (4-6), to upper-canopy (7-9).

⁵- Soybean yield adjusted to standard moisture content of 13.0%.

⁶- Scores rated on scale of 0-10 with 0 being excellent and 10 being poor at harvest.

⁷- Scores rated on scale of 0-9 with 0 being excellent and 9 being most severe.

OkTibbeha County – Irrigated Maturity Group IV (Mixed/Light Soil) Roundup Ready 2 Xtend											
Brand	Variety	Final Height	Lodging Score	Shattering Score	Green Stem Score	Disease Ratings				Seed Moisture	Yield ⁵
		Inches	0 to 10 ⁶	0 to 10 ⁶	0 to 10 ⁶	CLB ¹	FLS ²	SBS ³	TS ⁴	%	bu/acre
Armor	48-D24	43	2	1	0	-	-	-	-	21.1	56.7
Delta Grow	DG 48X45 D	40	2	1	0	-	-	-	-	21.9	56.6
Terral	REV 4927X	46	2	1	0	-	-	-	-	22.1	54.2
Progeny	P 4851 RX	44	3	1	0	-	-	-	-	22.0	54.0
NK	S43-V3X	39	1	1	0	-	-	-	-	20.2	50.5
Terral	REV 4857X	43	3	1	0	-	-	-	-	21.6	50.1
AgriGold	G4440RX	43	3	1	0	-	-	-	-	21.1	48.9
Dyna-Gro	S48XT56	43	2	1	0	-	-	-	-	21.1	48.6
Asgrow	AG45X8	42	3	1	0	-	-	-	-	20.8	48.5
Asgrow	AG46X6	43	3	1	0	-	-	-	-	20.6	48.1
Progeny	P 4816 RX	38	3	1	0	-	-	-	-	21.6	46.5
Armor	47-D17	45	4	1	0	-	-	-	-	21.4	45.8
NK	S45-K5X	39	4	1	0	-	-	-	-	20.3	44.9
Pioneer	P48A60X	43	4	1	0	-	-	-	-	20.8	42.5
AGS	GS48X18	42	3	1	0	-	-	-	-	23.2	39.2
Local Seed	LS4677X	44	3	1	0	-	-	-	-	20.7	37.9
Pioneer	P48A32X	47	5	1	0	-	-	-	-	21.7	36.1
Plot Average:										21.3	47.6

¹- Cercospora leaf blight severity ratings based on progression of disease from leaf tissue (0-5), to petioles (6), and to pods and main stems (7-9).

²- Frogeye leaf spot severity ratings.

³- Septoria brown spot severity ratings based on progression of disease from the lower canopy (0-3), to mid-canopy (4-6), to upper-canopy (7-9).

⁴- Target spot severity ratings based on progression of disease from the lower canopy (0-3), to mid-canopy (4-6), to upper-canopy (7-9).

⁵- Soybean yield adjusted to standard moisture content of 13.0%.

⁶- Scores rated on scale of 0-10 with 0 being excellent and 10 being poor at harvest.

⁷- Scores rated on scale of 0-9 with 0 being excellent and 9 being most severe.

**Oktibbeha County – Irrigated
Maturity Group V Roundup Ready 2 Xtend**

Brand	Variety	Final Height	Lodging Score	Shattering Score	Green Stem Score	Disease Ratings				Seed Moisture	Yield ⁵
		Inches	0 to 10 ⁶	0 to 10 ⁶	0 to 10 ⁶	CLB ¹	FLS ²	SBS ³	TS ⁴	%	bu/acre
Pioneer	P54A54X	31	2	1	0	-	-	-	-	19.8	54.7
Pioneer	P55A49	26	1	1	0	-	-	-	-	19.6	54.6
Progeny	P 5688 RX	33	1	1	0	-	-	-	-	20.0	51.4
Asgrow	AG55X7	33	1	1	0	-	-	-	-	19.7	49.5
Dyna-Gro	S56XT99	37	1	1	0	-	-	-	-	19.5	49.3
Asgrow	AG52X9	43	2	1	0	-	-	-	-	20.9	49.0
Armor	53-D04	33	1	1	0	-	-	-	-	20.3	48.8
AgriGold	G5000RX	46	4	1	0	-	-	-	-	20.5	47.1
NK	S56-B7X	31	1	1	0	-	-	-	-	20.7	47.0
Progeny	P 5016 RXS	42	4	1	0	-	-	-	-	20.7	44.7
Local Seed	LS5087X	43	4	1	0	-	-	-	-	20.4	44.3
NK	S52-Y7X	39	2	1	0	-	-	-	-	21.1	37.7
AGS	GS51X18S	41	4	1	0	-	-	-	-	18.9	36.6
Plot Average:										20.2	47.3

¹- Cercospora leaf blight severity ratings based on progression of disease from leaf tissue (0-5), to petioles (6), and to pods and main stems (7-9).

²- Frogeye leaf spot severity ratings.

³- Septoria brown spot severity ratings based on progression of disease from the lower canopy (0-3), to mid-canopy (4-6), to upper-canopy (7-9).

⁴- Target spot severity ratings based on progression of disease from the lower canopy (0-3), to mid-canopy (4-6), to upper-canopy (7-9).

⁵- Soybean yield adjusted to standard moisture content of 13.0%.

⁶- Scores rated on scale of 0-10 with 0 being excellent and 10 being poor at harvest.

⁷- Scores rated on scale of 0-9 with 0 being excellent and 9 being most severe.

Pontotoc County – Non-Irrigated Maturity Group IV (Mixed/Light Soil) Roundup Ready 2 Xtend											
Brand	Variety	Final Height	Lodging Score	Shattering Score	Green Stem Score	Disease Ratings				Seed Moisture	Yield ⁵
		Inches	0 to 10 ⁶	0 to 10 ⁶	0 to 10 ⁶	CLB ¹	FLS ²	SBS ³	TS ⁴	%	bu/acre
Armor	48-D24	28	1	-	7	6	-	7	6	13.0	58.1
Terral	REV 4927X	37	4	-	2	7	-	7	5	11.6	57.0
Progeny	P 4851 RX	35	5	-	3	7	-	6	5	12.0	56.8
Pioneer	P48A32X	39	7	-	4	7	-	7	5	12.2	56.7
Progeny	P 4816 RX	29	1	-	7	7	-	7	6	12.0	54.8
Armor	47-D17	34	3	-	5	6	-	6	5	12.6	54.5
Asgrow	AG46X6	32	2	-	5	6	-	7	5	12.6	54.5
Dyna-Gro	S48XT56	27	1	-	6	7	-	6	6	12.5	54.5
Asgrow	AG45X8	34	1	-	1	6	-	-	-	12.5	54.4
Delta Grow	DG 48X45 D	27	1	-	7	7	-	7	6	12.5	52.6
AgriGold	G4440RX	36	2	-	1	6	-	7	6	13.0	52.3
Terral	REV 4857X	30	1	-	1	7	-	6	5	11.7	49.1
NK	S43-V3X	35	1	-	1	6	-	7	6	13.1	48.3
Pioneer	P48A60X	31	2	-	1	6	-	6	5	12.0	47.0
NK	S45-K5X	29	1	-	1	6	-	8	6	12.7	46.6
Local Seed	LS4677X	32	3	-	2	7	-	7	7	12.4	42.9
AGS	GS48X18	30	2	-	1	7	-	7	5	12.7	42.7
Plot Average:										12.4	51.9

¹- Cercospora leaf blight severity ratings based on progression of disease from leaf tissue (0-5), to petioles (6), and to pods and main stems (7-9).

²- Frogeye leaf spot severity ratings.

³- Septoria brown spot severity ratings based on progression of disease from the lower canopy (0-3), to mid-canopy (4-6), to upper-canopy (7-9).

⁴- Target spot severity ratings based on progression of disease from the lower canopy (0-3), to mid-canopy (4-6), to upper-canopy (7-9).

⁵- Soybean yield adjusted to standard moisture content of 13.0%.

⁶- Scores rated on scale of 0-10 with 0 being excellent and 10 being poor at harvest.

⁷- Scores rated on scale of 0-9 with 0 being excellent and 9 being most severe.

Rankin County – Non-Irrigated Maturity Group IV (Mixed/Light Soil) Roundup Ready 2 Xtend											
Brand	Variety	Final Height	Lodging Score	Shattering Score	Green Stem Score	Disease Ratings				Seed Moisture	Yield ⁵
		Inches	0 to 10 ⁶	0 to 10 ⁶	0 to 10 ⁶	CLB ¹	FLS ²	SBS ³	TS ⁴	%	bu/acre
Terral	REV 4927X	36	5	1	1	-	-	-	-	12.9	72.4
Asgrow	AG46X6	35	3	0	0	-	-	-	-	12.7	70.6
NK	S45-K5X	31	2	1	0	-	-	-	-	12.7	69.0
Progeny	P 4851 RX	39	6	1	0	-	-	-	-	12.4	66.9
Pioneer	P48A60X	33	2	2	0	-	-	-	-	12.6	66.4
Pioneer	P48A32X	37	5	1	2	-	-	-	-	13.1	65.5
Dyna-Gro	S48XT56	31	1	1	2	-	-	-	-	13.2	65.3
Terral	REV 4857X	40	3	1	0	-	-	-	-	13.1	65.3
Delta Grow	DG 48X45 D	33	2	1	1	-	-	-	-	12.8	63.1
Armor	48-D24	34	3	2	0	-	-	-	-	13.5	62.4
Progeny	P 4816 RX	30	2	0	0	-	-	-	-	13.0	62.4
Asgrow	AG45X8	32	3	2	1	-	-	-	-	12.6	62.2
NK	S43-V3X	33	2	2	1	-	-	-	-	13.5	61.1
Armor	47-D17	37	5	0	0	-	-	-	-	13.1	59.4
AGS	GS48X18	35	4	0	0	-	-	-	-	12.6	57.5
AgriGold	G4440RX	36	4	2	0	-	-	-	-	16.0	56.7
Local Seed	LS4677X	35	5	1	0	-	-	-	-	13.2	51.7
Plot Average:										13.1	63.4

¹- Cercospora leaf blight severity ratings based on progression of disease from leaf tissue (0-5), to petioles (6), and to pods and main stems (7-9).

²- Frogeye leaf spot severity ratings.

³- Septoria brown spot severity ratings based on progression of disease from the lower canopy (0-3), to mid-canopy (4-6), to upper-canopy (7-9).

⁴- Target spot severity ratings based on progression of disease from the lower canopy (0-3), to mid-canopy (4-6), to upper-canopy (7-9).

⁵- Soybean yield adjusted to standard moisture content of 13.0%.

⁶- Scores rated on scale of 0-10 with 0 being excellent and 10 being poor at harvest.

⁷- Scores rated on scale of 0-9 with 0 being excellent and 9 being most severe.

**Sharkey County – Irrigated
Maturity Group IV (Clay Soil) Roundup Ready 2 Xtend**

Brand	Variety	Final Height	Lodging Score	Shattering Score	Green Stem Score	Disease Ratings				Seed Moisture	Yield ⁵
		Inches	0 to 10 ⁶	0 to 10 ⁶	0 to 10 ⁶	CLB ¹	FLS ²	SBS ³	TS ⁴	%	bu/acre
Delta Grow	DG 48X45 D	38	1	0	8	6	2	7	7	14.1	75.2
Pioneer	P48A60X	43	1	0	6	7	-	8	7	13.0	72.1
Armor	48-D24	38	1	0	6	6	1	8	8	14.0	71.6
Asgrow	AG46X6	39	1	0	1	6	-	7	7	14.5	71.4
Progeny	P 4816 RX	38	1	0	8	6	1	7	8	13.4	71.1
AGS	GS48X18	44	1	0	3	7	-	8	8	13.8	70.7
Armor	47-D17	45	2	0	3	6	-	8	7	13.3	69.8
Terral	REV 4927X	43	4	0	2	7	-	7	6	12.7	68.8
Dyna-Gro	S45XS66	43	2	0	3	7	1	7	6	13.7	68.7
Asgrow	AG45X8	42	1	0	2	7	-	8	9	13.8	68.5
AgriGold	G4440RX	38	2	0	4	7	-	7	6	14.0	67.0
Local Seed	LS4677X	44	1	0	4	7	-	8	7	13.5	66.4
Pioneer	P48A32X	43	3	0	7	7	-	8	6	12.9	66.3
Progeny	P 4851 RX	44	5	0	7	7	1	7	7	13.6	64.7
NK	S48-R2X	44	1	1	3	6	5	8	7	13.1	63.0
NK	S43-V3X	41	3	0	4	7	-	8	6	14.8	60.9
Terral	REV 4857X	43	2	0	4	7	-	8	6	13.6	60.9
Plot Average:										13.6	68.1

¹- Cercospora leaf blight severity ratings based on progression of disease from leaf tissue (0-5), to petioles (6), and to pods and main stems (7-9).

²- Frogeye leaf spot severity ratings.

³- Septoria brown spot severity ratings based on progression of disease from the lower canopy (0-3), to mid-canopy (4-6), to upper-canopy (7-9).

⁴- Target spot severity ratings based on progression of disease from the lower canopy (0-3), to mid-canopy (4-6), to upper-canopy (7-9).

⁵- Soybean yield adjusted to standard moisture content of 13.0%.

⁶- Scores rated on scale of 0-10 with 0 being excellent and 10 being poor at harvest.

⁷- Scores rated on scale of 0-9 with 0 being excellent and 9 being most severe.

Sunflower County – Irrigated Maturity Group IV (Mixed/Light Soil) Roundup Ready 2 Xtend											
Brand	Variety	Final Height	Lodging Score	Shattering Score	Green Stem Score	Disease Ratings				Seed Moisture	Yield ⁵
		Inches	0 to 10 ⁶	0 to 10 ⁶	0 to 10 ⁶	CLB ¹	FLS ²	SBS ³	TS ⁴	%	bu/acre
Armor	47-D17	37	4	1	2	6	-	8	7	13.6	72.6
Terral	REV 4857X	38	2	1	2	6	-	8	7	12.4	72.3
Asgrow	AG46X6	30	2	1	2	7	-	8	8	14.1	72.2
Dyna-Gro	S48XT56	33	1	1	1	6	-	8	7	13.5	72.2
Pioneer	P48A32X	38	4	1	1	7	-	8	7	12.7	72.0
Terral	REV 4927X	34	3	1	1	7	-	7	7	12.4	71.4
Armor	48-D24	30	2	1	1	-	-	-	-	12.8	71.0
Progeny	P 4816 RX	39	3	1	1	7	-	9	8	12.8	69.6
Delta Grow	DG 48X45 D	33	2	1	1	7	-	8	7	13.1	69.2
Asgrow	AG45X8	31	2	1	1	7	-	9	9	15.1	68.5
AGS	GS48X18	32	3	1	1	7	-	8	9	13.6	67.1
Pioneer	P48A60X	36	1	1	0	7	-	8	8	13.1	66.9
Local Seed	LS4677X	28	4	1	1	7	-	8	9	13.9	66.4
AgriGold	G4440RX	34	4	1	1	7	-	9	6	15.1	64.4
Progeny	P 4851 RX	38	5	1	1	7	-	8	7	12.5	63.8
NK	S45-K5X	28	3	1	2	7	-	8	9	14.0	63.2
NK	S43-V3X	34	3	1	1	7	-	8	7	15.5	61.6
Plot Average:										13.5	68.5

¹- Cercospora leaf blight severity ratings based on progression of disease from leaf tissue (0-5), to petioles (6), and to pods and main stems (7-9).

²- Frogeye leaf spot severity ratings.

³- Septoria brown spot severity ratings based on progression of disease from the lower canopy (0-3), to mid-canopy (4-6), to upper-canopy (7-9).

⁴- Target spot severity ratings based on progression of disease from the lower canopy (0-3), to mid-canopy (4-6), to upper-canopy (7-9).

⁵- Soybean yield adjusted to standard moisture content of 13.0%.

⁶- Scores rated on scale of 0-10 with 0 being excellent and 10 being poor at harvest.

⁷- Scores rated on scale of 0-9 with 0 being excellent and 9 being most severe.

**Sunflower County – Irrigated
Maturity Group IV (Clay Soil) Roundup Ready 2 Xtend**

Brand	Variety	Final Height	Lodging Score	Shattering Score	Green Stem Score	Disease Ratings				Seed Moisture	Yield ⁵
		Inches	0 to 10 ⁶	0 to 10 ⁶	0 to 10 ⁶	CLB ¹	FLS ²	SBS ³	TS ⁴	%	bu/acre
Armor	48-D24	42	3	1	1	-	-	-	-	13.5	87.8
Asgrow	AG46X6	38	4	1	1	-	-	-	-	12.5	86.3
Dyna-Gro	S45XS66	42	4	1	1	-	-	-	-	12.9	85.9
Pioneer	P48A60X	38	2	1	1	-	-	-	-	12.4	84.6
Local Seed	LS4677X	36	4	1	0	-	-	-	-	13.2	84.5
AGS	GS48X18	41	4	1	0	-	-	-	-	13.6	83.2
Asgrow	AG45X8	37	3	1	0	-	-	-	-	13.7	83.0
AgriGold	G4440RX	37	4	1	0	-	-	-	-	12.6	82.4
Delta Grow	DG 48X45 D	36	2	1	0	-	-	-	-	13.0	82.4
Armor	47-D17	43	5	1	0	-	-	-	-	13.1	81.4
Pioneer	P48A32X	40	3	1	1	-	-	-	-	12.7	80.7
NK	S48-R2X	32	1	1	0	-	-	-	-	13.1	80.4
NK	S43-V3X	33	3	1	0	-	-	-	-	12.6	79.5
Progeny	P 4851 RX	39	5	1	2	-	-	-	-	12.2	78.3
Progeny	P 4816 RX	38	2	1	2	-	-	-	-	13.1	76.3
Terral	REV 4857X	35	3	1	0	-	-	-	-	12.3	75.1
Terral	REV 4927X	38	2	1	1	-	-	-	-	13.2	71.6
Plot Average:										12.9	81.4

¹- Cercospora leaf blight severity ratings based on progression of disease from leaf tissue (0-5), to petioles (6), and to pods and main stems (7-9).

²- Frogeye leaf spot severity ratings.

³- Septoria brown spot severity ratings based on progression of disease from the lower canopy (0-3), to mid-canopy (4-6), to upper-canopy (7-9).

⁴- Target spot severity ratings based on progression of disease from the lower canopy (0-3), to mid-canopy (4-6), to upper-canopy (7-9).

⁵- Soybean yield adjusted to standard moisture content of 13.0%.

⁶- Scores rated on scale of 0-10 with 0 being excellent and 10 being poor at harvest.

⁷- Scores rated on scale of 0-9 with 0 being excellent and 9 being most severe.

**Sunflower County – Irrigated
Maturity Group IV (Clay Soil) Roundup Ready 2 Xtend**

Brand	Variety	Final Height	Lodging Score	Shattering Score	Green Stem Score	Disease Ratings				Seed Moisture	Yield ⁵
		Inches	0 to 10 ⁶	0 to 10 ⁶	0 to 10 ⁶	CLB ¹	FLS ²	SBS ³	TS ⁴	%	bu/acre
Pioneer	P48A60X	40	2	1	0	-	-	-	-	10.3	83.8
Pioneer	P48A32X	42	6	1	0	-	-	-	-	10.6	82.2
Terral	REV 4927X	41	4	4	0	-	-	-	-	10.3	82.0
AGS	GS48X18	40	4	1	0	-	-	-	-	10.8	81.0
Asgrow	AG46X6	35	5	0	0	-	-	-	-	10.8	79.7
Armor	47-D17	45	8	1	0	-	-	-	-	10.8	79.3
Local Seed	LS4677X	36	3	0	0	-	-	-	-	10.9	79.3
Dyna-Gro	S45XS66	31	4	2	0	-	-	-	-	10.9	78.2
NK	S48-R2X	42	1	0	0	-	-	-	-	10.5	77.3
Progeny	P 4851 RX	41	8	1	0	-	-	-	-	10.3	76.7
Armor	48-D24	34	3	2	0	-	-	-	-	11.0	76.5
Terral	REV 4857X	38	2	2	0	-	-	-	-	10.2	75.5
AgriGold	G4440RX	35	5	2	0	-	-	-	-	10.9	75.3
Asgrow	AG45X8	30	2	2	0	-	-	-	-	10.9	73.8
Delta Grow	DG 48X45 D	37	2	0	0	-	-	-	-	10.6	73.4
NK	S43-V3X	36	5	3	0	-	-	-	-	11.6	71.3
Progeny	P 4816 RX	37	2	0	0	-	-	-	-	10.3	70.3
Plot Average:										10.7	77.4

¹- Cercospora leaf blight severity ratings based on progression of disease from leaf tissue (0-5), to petioles (6), and to pods and main stems (7-9).

²- Frogeye leaf spot severity ratings.

³- Septoria brown spot severity ratings based on progression of disease from the lower canopy (0-3), to mid-canopy (4-6), to upper-canopy (7-9).

⁴- Target spot severity ratings based on progression of disease from the lower canopy (0-3), to mid-canopy (4-6), to upper-canopy (7-9).

⁵- Soybean yield adjusted to standard moisture content of 13.0%.

⁶- Scores rated on scale of 0-10 with 0 being excellent and 10 being poor at harvest.

⁷- Scores rated on scale of 0-9 with 0 being excellent and 9 being most severe.

Washington County – Irrigated Maturity Group IV LibertyLink											
Brand	Variety	Final Height	Lodging Score	Shattering Score	Green Stem Score	Disease Ratings				Seed Moisture	Yield ⁵
		Inches	0 to 10 ⁶	0 to 10 ⁶	0 to 10 ⁶	CLB ¹	FLS ²	SBS ³	TS ⁴	%	bu/acre
Credenz	CZ 4918 LL	45	3	1	0	7	-	8	8	13.7	64.1
Terral	REV 49L88	45	2	1	1	6	-	7	7	13.1	63.1
Delta Grow	DG 4587LL	45	4	1	0	6	-	7	7	14.1	60.7
Credenz	CZ 4548 LL	43	2	1	0	6	-	-	-	13.8	59.6
Dyna-Gro	49LL34	48	5	1	0	6	-	8	7	13.4	59.5
Delta Grow	DG 4977LL	46	5	1	0	6	-	8	8	13.6	52.4
Plot Average:										13.6	59.9
Washington County – Irrigated Maturity Group V LibertyLink											
Credenz	CZ 5147 LL	43	2	1	0	6	-	8	7	12.9	61.9
Credenz	CZ 5150 LL	47	4	1	0	6	-	8	8	12.5	59.8
GoSoy	5115LL	44	4	1	0	6	-	8	8	12.9	58.1
Plot Average:										12.8	59.9

¹- Cercospora leaf blight severity ratings based on progression of disease from leaf tissue (0-5), to petioles (6), and to pods and main stems (7-9).

²- Frogeye leaf spot severity ratings.

³- Septoria brown spot severity ratings based on progression of disease from the lower canopy (0-3), to mid-canopy (4-6), to upper-canopy (7-9).

⁴- Target spot severity ratings based on progression of disease from the lower canopy (0-3), to mid-canopy (4-6), to upper-canopy (7-9).

⁵- Soybean yield adjusted to standard moisture content of 13.0%.

⁶- Scores rated on scale of 0-10 with 0 being excellent and 10 being poor at harvest.

⁷- Scores rated on scale of 0-9 with 0 being excellent and 9 being most severe.