

# 2019 MSU Extension Soybean Variety Demonstration Program





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During the 2019 growing season, 25 on-farm soybean variety demonstration plots were successfully conducted. The following information is intended to complement data generated through small-plot OVT testing programs.

#### 2019 Locations

County	Demonstration Type	Irrigation Method
Clay	MG IV RR2X (Clay Soil)	None
Clay	MG V RR2X	None
Hinds	MG V RR2X	None
Humphreys	MG IV RR2X (Clay Soil)	Furrow
Itawamba	MG IV LL/GTLL/E3	None
Lee	MG IV LL/GTLL/E3	None
Leflore	MG IV RR2X (Clay Soil)	Furrow
Leflore	MG IV RR2X (Clay Soil)	Furrow
<i>*Leflore</i>	<i>MG IV RR2X (Mixed/Light Soil)</i>	<i>Furrow</i>
Lowndes	MG V RR2X	None
Madison	MG V RR2X	None
Monroe	MG V RR2X	None
Noxubee	MG IV Early RR2X	None
Noxubee	MG IV RR2X (Clay Soil)	None
Noxubee	MG V RR2X	None
Noxubee	MG IV LL/GTLL/E3	None
Oktibbeha	MG IV Early RR2X	None
Oktibbeha	MG IV RR2X (Mixed/Light Soil)	None
Oktibbeha	MG V RR2X	None
Pontotoc	MG IV RR2X (Mixed/Light Soil)	None
Pontotoc	MG V RR2X	None
Rankin	MG IV RR2X (Mixed/Light Soil)	None
Sunflower	MG IV RR2X (Mixed/Light Soil)	Furrow
Tunica	MG IV RR2X (Clay Soil)	Furrow
Washington	MG IV RR2X (Clay Soil)	Furrow

\*Location not harvested at this time. Data will be added appropriately if harvest is completed.

## **MSU Extension Participants**

Program Coordinator: Dr. Trent Irby, Extension Soybean Specialist

Dr. Tom Allen	Ty Jones	Alanna Scholtes
Preston Aust	Kyle Lewis	Dr. Mark Shankle
Andy Braswell	Reid Nevins	Charlie Stokes
Alex Deason	Garrett Oswald	Andy Taylor
Trevor Garrett	Dr. Dennis Reginelli	

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Assistance in the conduct of this program provided by: Lou Adams, Logan Duckworth, Michael Quin, Kyle Sorrels, and Ben Williams.

**2019 Location Details**

County	Plot type	Planting date	Seeding rate	Plot width	Row spacing	Tillage system	Soil series	Irrigation method	Harvest date
Clay	MG IV RR2X (Clay)	20-May	118,000	13 rows	15"	Conv.	Griffith silty clay	None	3-Oct
Clay	MG V RR2X	20-May	118,000	13 rows	15"	Conv.	Griffith silty clay	None	3-Oct
Hinds	MG V RR2X	31-May	120,000	6 rows	30"	Min. Till.	Reidtown silt loam	None	9-Oct
Humphreys	MG IV RR2X (Clay)	4-Jun	140,000	32 twin rows	38"	Conv.	Alligator-Dowling clay	Furrow	10-Oct
Itawamba	MG IV LL/GTLL/E3	14-Jun	110,000	16 rows	38"	Conv.	Mantachie loam	None	15-Nov
Lee	MG IV LL/GTLL/E3	17-May	119,000	8 rows	38"	Conv.	Marietta loam	None	30-Sep
Leflore	MG IV RR2X (Clay)	1-May	115,000	16 rows	38"	Conv.	Alligator clay	Furrow	16-Sep
Leflore	MG IV RR2X (Clay)	13-Jun	150,000	6 rows	38"	Conv.	Alligator clay	Furrow	5-Nov
Leflore	MG IV RR2X (Mixed/Light)	13-Jun	110,000	8 rows	38"	Conv.	Dubbs loam	Furrow	-
Lowndes	MG V RR2X	22-May	110,000	12 rows	30"	Conv.	Brooksville silty clay	None	1-Oct
Madison	MG V RR2X	22-May	120,000	6 rows	30"	Min. Till.	Oaklimer silt loam	None	2-Oct
Monroe	MG V RR2X	13-Jun	115,000	6 rows	30"	Conv.	Prentiss fine sandy loam	None	11-Nov
Noxubee	MG IV Early RR2X	8-May	130,000	4 rows	38"	Conv.	Brooksville silty clay	None	23-Sep
Noxubee	MG IV RR2X (Clay)	8-May	130,000	4 rows	38"	Conv.	Brooksville silty clay	None	23-Sep
Noxubee	MG V RR2X	8-May	130,000	4 rows	38"	Conv.	Brooksville silty clay	None	23-Sep
Noxubee	MG IV LL/GTLL/E3	17-May	130,000	4 rows	38"	Conv.	Okolona silty clay	None	24-Sep
Oktibbeha	MG IV Early RR2X	2-May	130,000	2 rows	38"	Conv.	Leeper silty clay loam	None	30-Sep
Oktibbeha	MG IV RR2X (Mixed/Light)	2-May	130,000	2 rows	38"	Conv.	Leeper silty clay loam	None	30-Sep
Oktibbeha	MG V RR2X	2-May	130,000	2 rows	38"	Conv.	Leeper silty clay loam	None	30-Sep
Pontotoc	MG IV RR2X (Mixed/Light)	11-Jun	128,000	4 rows	30"	No-Till	Providence silt loam	None	1-Oct
Pontotoc	MG V RR2X	11-Jun	128,000	4 rows	30"	No-Till	Providence silt loam	None	1-Oct
Rankin	MG IV RR2X (Mixed/Light)	7-May	133,000	10 rows	30"	Min. Till.	Pelahatchie silt loam	None	26-Sep
Sunflower	MG IV RR2X (Mixed/Light)	29-Apr	132,500	6 rows	38"	Conv.	Dundee silt loam	Furrow	19-Sep
Tunica	MG IV RR2X (Clay)	14-Jun	145,000	8 rows	30"	Conv.	Sharkey clay	Furrow	14-Nov
Washington	MG IV RR2X (Clay)	31-May	140,000	8 rows	40"	Conv.	Sharkey clay	Furrow	3-Oct

## Soybean Variety Characteristics

### Maturity Group IV Early Roundup Ready 2 Xtend Set

Brand	Variety	Relative maturity	Herbicide package <sup>1</sup>	Growth habit <sup>2</sup>	Canopy width <sup>3</sup>	Plant height <sup>4</sup>	Plant color <sup>5</sup>
Armor	44-D92	4.4	RR2X/STS	I	M	M	LT
Asgrow	AG43X8	4.3	RR2X	I	MB	MT	LT
Dyna-Gro	S43XS70	4.3	RR2X/STS	I	MB	MT	LT
Local Seed	LS4299XS	4.3	RR2X	I	MB	MT	LT
NK	S44-C7X	4.4	RR2X	I	M	MT	G
Pioneer	P44A72BX	4.4	RR2X/STS	I	M	M	T
Progeny	P 4444 RXS	4.4	RR2X/STS	I	MB	M	LT

<sup>1</sup>RR2X = Roundup Ready 2 Xtend; STS = sulfonyleurea tolerant soybean

<sup>2</sup>I = indeterminate; D = determinate

<sup>3</sup>T = thin; M = medium; MB = medium-bushy; B = bushy

<sup>4</sup>S = short; M = medium; MT = medium-tall; T = tall

<sup>5</sup>G = gray; LT = light tawny; T = tawny

### Maturity Group IV Roundup Ready 2 Xtend Set (includes both Mixed/Light and Clay soil specific varieties)

Brand	Variety	Relative maturity	Herbicide package <sup>1</sup>	Growth habit <sup>2</sup>	Canopy width <sup>3</sup>	Plant height <sup>4</sup>	Plant color <sup>5</sup>
Armor	48-D25	4.8	RR2X	I	M	M	LT
Armor	49-D66	4.9	RR2X	I	M	T	G
Armor	49-D67	4.9	RR2X	I	M	T	LT
Asgrow	AG45X8	4.5	RR2X/SR	I	MB	MT	LT
Asgrow	AG46X6	4.6	RR2X	I	MB	MT	T
Asgrow	AG48X9	4.8	RR2X/SR	I	MB	MT	LT
Credenz	CZ 4869 RR2X	4.8	RR2X	I	MB	MT	LT
Credenz	CZ 4979 RR2X	4.9	RR2X	I	MB	MT	G
Delta Grow	DG 46X25 RR2X	4.6	RR2X	I	B	MT	T
Delta Grow	DG 48X45 RR2X	4.8	RR2X	I	B	MT	LT
Dyna-Gro	S45XS37	4.5	RR2X/STS	I	M	MT	T
Dyna-Gro	S45XS66	4.5	RR2X/STS	I	B	MT	LT
Dyna-Gro	S48XT56	4.8	RR2X	I	M	M	LT
Local Seed	LS4583X	4.5	RR2X	I	B	M	LT
Local Seed	LS4798X	4.7	RR2X	I	MB	T	LT
NK	S47-Y9X	4.7	RR2X	I	MB	MT	LT
NK	S49-F5X	4.9	RR2X	I	B	MT	LT
Pioneer	P48A60X	4.8	RR2X	I	MB	M	LT
Progeny	P 4620 RXS	4.6	RR2X/STS	I	MB	M	T
Progeny	P 4816 RX	4.8	RR2X	I	MB	MT	LT
Progeny	P 4851 RX	4.8	RR2X	I	B	T	LT
Progeny	P 4821 RX	4.8	RR2X	I	B	M	LT
Stratton (AGS)	AGS GS48X19	4.8	RR2X	I	M	T	LT
Stratton (AGS)	AGS GS49X19	4.9	RR2X	I	MB	MT	LT
Terral	REV 4927X	4.9	RR2X	I	B	MT	LT
Terral	REV 4940X	4.9	RR2X	I	MB	MT	LT

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

<sup>2</sup>I = indeterminate; D = determinate

<sup>3</sup>T = thin; M = medium; MB = medium-bushy; B = bushy

<sup>4</sup>S = short; M = medium; MT = medium-tall; T = tall

<sup>5</sup>G = gray; LT = light tawny; T = tawny

**Soybean Variety Characteristics (continued)**

**Maturity Group V Roundup Ready 2 Xtend Set**

Brand	Variety	Relative maturity	Herbicide package <sup>1</sup>	Growth habit <sup>2</sup>	Canopy width <sup>3</sup>	Plant height <sup>4</sup>	Plant color <sup>5</sup>
Armor	51-D77	5.1	RR2X	I	B	T	G
Armor	52-D71	5.2	RR2X	I	B	MT	LT
Asgrow	AG52X9	5.2	RR2X/SR	I	MB	T	LT
Asgrow	AG53X9	5.3	RR2X	I	MB	MT	G
Credenz	CZ 5299X	5.2	RR2X	I	MB	MT	G
Delta Grow	DG 54X25	5.4	RR2X	D	MT	B	T
Dyna-Gro	S56XT99	5.6	RR2X	D	MB	T	T
Local Seed	LS5087X	5.0	RR2X	I	MB	MT	LT
NK	S53-F7X	5.3	RR2X	I	MB	MT	G
Pioneer	P54A54X	5.4	RR2X	D	MB	M	G
Pioneer	P55A49X	5.5	RR2X	D	MB	S	G
Progeny	P 5252 RX	5.2	RR2X	I	B	T	G
Progeny	P 5688 RX	5.6	RR2X	D	MB	M	T
Stratton (AGS)	AGS GS52X19S	5.2	RR2X/STS	I	MB	MT	T
Terral	REV 5659X	5.6	RR2X	D	MB	M	T

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

<sup>2</sup>I = indeterminate; D = determinate

<sup>3</sup>T = thin; M = medium; MB = medium-bushy; B = bushy

<sup>4</sup>S = short; M = medium; MT = medium-tall; T = tall

<sup>5</sup>G = gray; LT = light tawny; T = tawny

**Maturity Group IV LibertyLink, GTLL, Enlist E3 Set**

Brand	Variety	Relative maturity	Herbicide package <sup>1</sup>	Growth habit <sup>2</sup>	Canopy width <sup>3</sup>	Plant height <sup>4</sup>	Plant color <sup>5</sup>
Credenz	CZ 4539GTLL	4.5	LLGT27	I	B	MT	LT
Delta Grow	DG4977	4.9	LL/STS	I	MB	MT	G
Stratton (GoSoy)	GoSoy 44GL18	4.4	LLGT27	I	MB	MT	LT
Stratton (GoSoy)	GoSoy 481E19	4.8	E3	I	MB	MT	LT

<sup>1</sup>RR2X = Roundup Ready 2 Xtend; STS = sulfonyleurea tolerant soybean

<sup>2</sup>I = indeterminate; D = determinate

<sup>3</sup>T = thin; M = medium; MB = medium-bushy; B = bushy

<sup>4</sup>S = short; M = medium; MT = medium-tall; T = tall

<sup>5</sup>G = gray; LT = light tawny; T = tawny



### Maturity Group IV (Mixed/Light Soil) Roundup Ready 2 Xtend Varieties Summarized across Non-irrigated Locations

Total number of locations: 3

Planting date range: 2-May-19 to 11-June-19

Brand	Variety	Avg. plant height	Avg. lodging score <sup>1</sup>	Avg. shattering score <sup>1</sup>	Avg. green stem score <sup>1</sup>	Avg. seed moisture	Average yield <sup>2</sup>
		Inches	0 to 10	0 to 10	0 to 10	%	bu/acre
AGS	AGS GS48X19	32	2	0	0	10.2	38.4
Asgrow	AG46X6	34	2	0	1	10.9	37.9
Dyna-Gro	S45XS37	32	1	0	1	10.7	37.4
NK	S47-Y9X	32	2	0	1	10.8	36.1
Armor	48-D25	34	2	0	1	11.0	35.9
Pioneer	P48A60X	31	1	0	1	10.2	35.9
Progeny	P 4620 RXS	33	2	0	0	10.5	35.6
Delta Grow	DG 46X25 RR2X	31	1	0	1	10.0	35.3
Dyna-Gro	S48XT56	29	1	0	2	11.1	35.2
Local Seed	LS4583X	31	1	0	1	10.3	34.3
Asgrow	AG45X8	28	1	0	1	11.6	34.2
Progeny	P 4816 RX	31	2	0	2	10.2	33.9
Asgrow	AG48X9	29	1	0	1	11.0	33.6
Terral	REV 4940X	29	1	0	1	10.4	30.2
Credenz	CZ 4869X	31	1	0	0	11.3	29.0
<b>Average across all irrigated locations:</b>						<b>10.7</b>	<b>34.9</b>

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

<sup>2</sup>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: 5

Planting date range: 1-May-19 to 14-June-19

Brand	Variety	Avg. plant height	Avg. lodging score <sup>1</sup>	Avg. shattering score <sup>1</sup>	Avg. green stem score <sup>1</sup>	Avg. seed moisture	Average yield <sup>2</sup>
		Inches	0 to 10	0 to 10	0 to 10	%	bu/acre
Progeny	P 4851 RX	27	2	0	1	11.0	52.8
Armor	49-D67	29	1	0	2	11.9	52.5
Local Seed	LS4798X	29	2	0	2	11.6	52.2
Armor	49-D66	30	2	0	1	11.7	52.1
Credenz	CZ 4979X	31	2	0	3	11.7	51.6
NK	S49-F5X	30	1	0	2	11.1	51.0
Asgrow	AG46X6	29	2	0	1	12.2	49.4
Progeny	P 4821 RX	30	2	0	2	10.9	49.4
AGS	AGS GS49X19	28	1	0	1	12.1	48.9
Dyna-Gro	S45XS66	30	2	0	2	11.6	48.5
Terral	REV 4940X	27	2	0	1	10.7	48.0
Asgrow	AG48X9	26	1	0	3	12.4	47.0
Delta Grow	DG 48X45 RR2X	29	3	0	2	11.8	46.8
Terral	REV 4927X	31	2	0	1	11.2	46.6
Asgrow	AG45X8	32	3	0	3	11.9	45.7
<b>Average across all irrigated locations:</b>						<b>11.6</b>	<b>49.5</b>

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

<sup>2</sup>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: 8

Planting date range: 2-May-19 to 13-June-19

Brand	Variety	Avg. plant height	Avg. lodging score <sup>1</sup>	Avg. shattering score <sup>1</sup>	Avg. green stem score <sup>1</sup>	Avg. seed moisture	Average yield <sup>2</sup>
		Inches	0 to 10	0 to 10	0 to 10	%	bu/acre
Pioneer	P55A49X	27	1	0	0	11.0	46.7
Delta Grow	DG 54X25 RR2X	31	2	0	1	11.1	46.4
Armor	52-D71	39	2	1	1	11.2	46.3
Pioneer	P54A54X	31	2	0	1	10.8	46.2
Asgrow	AG53X9	35	3	1	1	10.8	45.7
Armor	51-D77	40	4	0	2	11.3	45.4
Dyna-Gro	S56XT99	30	2	0	1	11.1	43.7
Progeny	P 5688X	32	2	0	2	11.0	43.2
Terral	REV 5659X	34	2	0	1	11.3	43.1
Progeny	P 5252 RX	38	3	0	1	11.0	42.6
AGS	AGS GS52X19S	38	3	1	1	11.4	41.9
Local Seed	LS5087X	38	4	0	1	9.7	41.8
Asgrow	AG52X9	39	2	1	1	10.7	41.6
Credenz	CZ 5299X	33	3	0	1	9.4	40.5
NK	S53-F7Z	32	2	0	1	9.2	38.5
<b>Average across all irr. locations:</b>						<b>10.7</b>	<b>43.6</b>

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

<sup>2</sup>Soybean yield adjusted to standard moisture content of 13.0%.

**Maturity Group V LibertyLink, GT Liberty Link, and Enlist E3 Varieties Summarized across Non-irrigated Locations**

Total number of locations: 3

Planting date range: 17-May-19 to 14-June-19

Brand	Variety	Avg. plant height	Avg. lodging score <sup>1</sup>	Avg. shattering score <sup>1</sup>	Avg. green stem score <sup>1</sup>	Avg. seed moisture	Average yield <sup>2</sup>
		Inches	0 to 10	0 to 10	0 to 10	%	bu/acre
Go Soy	Go Soy 44GL18	41	2	0	1	11.7	57.7
Credenz	CZ 4539GTL	38	3	0	1	11.8	51.8
Go Soy	Go Soy 481E19	44	4	0	2	12.8	46.3
Delta Grow	DG 4977 LL	38	2	0	1	11.3	45.5
<b>Average across all irrigated locations:</b>						<b>11.9</b>	<b>50.3</b>

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

<sup>2</sup>Soybean yield adjusted to standard moisture content of 13.0%.

**Clay 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 <sup>6</sup>
						CLB <sup>1</sup>	FLS <sup>2</sup>	SBS <sup>3</sup>	TS <sup>4</sup>	SB <sup>5</sup>		
		Inches	0 to 10 <sup>7</sup>	0 to 10 <sup>7</sup>	0 to 10 <sup>7</sup>	0 to 9 <sup>8</sup>	0 to 9 <sup>8</sup>	0 to 9 <sup>8</sup>	0 to 9 <sup>8</sup>	0 to 9 <sup>8</sup>	%	bu/acre
Credenz	CZ 4979X	40	4	0	0	-	-	-	-	-	9.4	66.1
Armor	49-D66	42	2	0	0	-	-	-	-	-	9.4	62.0
AGS	AGS GS49X19	41	3	0	0	-	-	-	-	-	8.9	61.5
Terral	REV 4927X	39	2	0	0	-	-	-	-	-	8.8	61.4
Delta Grow	DG 48X45 RR2X	31	1	0	0	-	-	-	-	-	9.6	60.5
Progeny	P 4851 RX	40	3	0	1	-	-	-	-	-	8.7	57.6
Terral	REV 4940X	35	2	0	1	-	-	-	-	-	8.4	57.1
Progeny	P 4821 RX	33	2	0	1	-	-	-	-	-	9.4	56.5
Armor	49-D67	39	1	0	0	-	-	-	-	-	8.9	55.9
Asgrow	AG48X9	35	1	0	0	-	-	-	-	-	8.9	52.8
NK	S49-F5X	33	2	0	1	-	-	-	-	-	8.8	50.9
Asgrow	AG46X6	36	4	0	0	-	-	-	-	-	9.3	47.4
Asgrow	AG45X8	32	2	0	0	-	-	-	-	-	10.3	42.0
Local Seed	LS4798X	41	5	0	1	-	-	-	-	-	9.9	39.8
Dyna-Gro	S45XS66	34	2	0	0	-	-	-	-	-	9.5	38.1
<b>Plot Average:</b>											<b>9.2</b>	<b>54.0</b>

<sup>1</sup>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).

<sup>2</sup>Frogeye leaf spot severity ratings.

<sup>3</sup>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).

<sup>4</sup>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).

<sup>5</sup>Varieties exhibiting no symptoms associated with southern blight = 0, varieties whereby approx. half of the population exhibited the symptoms indicative of southern blight = 5, varieties where numerous plants exhibited mycelia and sclerotia as well as severe wilting, prior to R8, = 9.

<sup>6</sup>Soybean yield adjusted to standard moisture content of 13.0%.

<sup>7</sup>Scores rated on scale of 0–10 with 0 being excellent and 10 being poor at harvest.

<sup>8</sup>Scores rated on scale of 0–9 with 0 being excellent and 9 being most severe.

**Clay 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 <sup>6</sup>
						CLB <sup>1</sup>	FLS <sup>2</sup>	SBS <sup>3</sup>	TS <sup>4</sup>	SB <sup>5</sup>		
		Inches	0 to 10 <sup>7</sup>	0 to 10 <sup>7</sup>	0 to 10 <sup>7</sup>	0 to 9 <sup>8</sup>	0 to 9 <sup>8</sup>	0 to 9 <sup>8</sup>	0 to 9 <sup>8</sup>	0 to 9 <sup>8</sup>	%	bu/acre
Delta Grow	DG 54X25 RR2X	36	1	0	3	-	-	-	-	-	8.1	57.2
NK	S53-F7Z	41	2	0	1	-	-	-	-	-	8.6	56.9
Armor	51-D77	41	3	0	2	-	-	-	-	-	8.1	56.8
Armor	52-D71	31	2	0	2	-	-	-	-	-	8.7	56.0
Asgrow	AG53X9	37	3	0	2	-	-	-	-	-	8.8	55.8
Credenz	CZ 5299X	35	2	0	1	-	-	-	-	-	9.0	55.6
Progeny	P 5688X	29	1	0	2	-	-	-	-	-	9.2	51.6
Pioneer	P54A54X	36	1	0	2	-	-	-	-	-	8.9	50.4
Pioneer	P55A49X	25	1	0	1	-	-	-	-	-	8.6	50.2
Local Seed	LS5087X	41	3	0	1	-	-	-	-	-	8.5	44.3
AGS	AGS GS52X19S	38	2	0	1	-	-	-	-	-	9.4	44.0
Dyna-Gro	S56XT99	33	1	0	3	-	-	-	-	-	8.9	43.1
Progeny	P 5252 RX	40	2	0	1	-	-	-	-	-	8.1	41.4
Asgrow	AG52X9	38	4	0	1	-	-	-	-	-	8.9	38.8
Terral	REV 5659X	36	1	0	2	-	-	-	-	-	8.6	37.9
<b>Plot Average:</b>											<b>8.7</b>	<b>49.3</b>

<sup>1</sup>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).

<sup>2</sup>Frogeye leaf spot severity ratings.

<sup>3</sup>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).

<sup>4</sup>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).

<sup>5</sup>Varieties exhibiting no symptoms associated with southern blight = 0, varieties whereby approx. half of the population exhibited the symptoms indicative of southern blight = 5, varieties where numerous plants exhibited mycelia and sclerotia as well as severe wilting, prior to R8, = 9.

<sup>6</sup>Soybean yield adjusted to standard moisture content of 13.0%.

<sup>7</sup>Scores rated on scale of 0–10 with 0 being excellent and 10 being poor at harvest.

<sup>8</sup>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 <sup>6</sup>
						CLB <sup>1</sup>	FLS <sup>2</sup>	SBS <sup>3</sup>	TS <sup>4</sup>	SB <sup>5</sup>		
		Inches	0 to 10 <sup>7</sup>	0 to 10 <sup>7</sup>	0 to 10 <sup>7</sup>	0 to 9 <sup>8</sup>	0 to 9 <sup>8</sup>	0 to 9 <sup>8</sup>	0 to 9 <sup>8</sup>	0 to 9 <sup>8</sup>	%	bu/acre
Asgrow	AG53X9	38	6	2	0	7	-	7	8	-	12.3	64.2
Local Seed	LS5087X	48	5	1	0	6	-	7	8	-	13.1	63.9
Pioneer	P54A54X	26	3	1	0	6	-	7	8	-	11.5	62.9
Pioneer	P55A49X	31	1	1	0	7	-	7	7	-	12.4	62.7
Armor	51-D77	43	3	1	0	6	-	6	7	-	12.5	62.5
Dyna-Gro	S56XT99	36	3	1	0	6	-	8	6	-	12.6	62.1
Asgrow	AG52X9	41	2	1	0	7	-	8	7	-	13.2	60.9
Progeny	P 5252 RX	39	4	1	0	7	-	7	7	-	12.2	60.5
Armor	52-D71	47	3	1	0	6	-	7	5	-	11.9	60.4
Delta Grow	DG 54X25 RR2X	39	4	1	0	6	-	8	6	-	11.7	60.4
Progeny	P 5688X	35	4	1	0	6	-	7	7	-	12.6	60.0
Credenz	CZ 5299X	41	3	1	0	7	-	6	6	-	12.9	59.8
AGS	AGS GS52X19S	43	5	1	0	7	-	7	6	-	12.2	58.7
Terral	REV 5659X	39	5	2	0	6	-	7	8	-	12.0	58.3
NK	S53-F7Z	-	-	-	-	-	-	-	-	-	-	-
<b>Plot Average:</b>											<b>12.3</b>	<b>61.2</b>

<sup>1</sup>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).

<sup>2</sup>Frogeye leaf spot severity ratings.

<sup>3</sup>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).

<sup>4</sup>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).

<sup>5</sup>Varieties exhibiting no symptoms associated with southern blight = 0, varieties whereby approx. half of the population exhibited the symptoms indicative of southern blight = 5, varieties where numerous plants exhibited mycelia and sclerotia as well as severe wilting, prior to R8, = 9.

<sup>6</sup>Soybean yield adjusted to standard moisture content of 13.0%.

<sup>7</sup>Scores rated on scale of 0–10 with 0 being excellent and 10 being poor at harvest.

<sup>8</sup>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 <sup>6</sup>
						CLB <sup>1</sup>	FLS <sup>2</sup>	SBS <sup>3</sup>	TS <sup>4</sup>	SB <sup>5</sup>		
		Inches	0 to 10 <sup>7</sup>	0 to 10 <sup>7</sup>	0 to 10 <sup>7</sup>	0 to 9 <sup>8</sup>	0 to 9 <sup>8</sup>	0 to 9 <sup>8</sup>	0 to 9 <sup>8</sup>	0 to 9 <sup>8</sup>	%	bu/acre
Asgrow	AG46X6	34	1	0	0	6	-	7	6	1	12.7	60.2
NK	S49-F5X	25	1	0	1	6	-	6	6	1	11.0	58.5
Progeny	P 4851 RX	34	1	0	1	6	-	6	7	1	12.5	56.8
Armor	49-D66	28	2	0	0	7	-	6	7	4	12.0	56.3
Credenz	CZ 4979X	29	1	0	1	5	-	6	8	3	11.6	56.3
Asgrow	AG48X9	30	1	0	1	6	-	7	6	1	13.1	55.6
Armor	49-D67	29	1	0	1	6	-	8	6	1	11.2	55.2
Local Seed	LS4798X	34	2	0	1	7	-	6	6	1	12.7	55.1
AGS	AGS GS49X19	30	2	0	1	7	-	6	6	2	11.9	55.0
Dyna-Gro	S45XS66	31	1	0	1	7	-	7	5	2	12.7	54.1
Asgrow	AG45X8	31	1	0	0	6	-	6	5	3	13.4	53.7
Progeny	P 4821 RX	32	2	0	1	7	-	7	5	1	12.2	53.0
Delta Grow	DG 48X45 RR2X	28	1	0	2	6	-	6	6	1	13.0	51.2
Terral	REV 4940X	25	1	0	0	7	-	7	7	1	10.8	51.2
Terral	REV 4927X	34	1	0	1	6	-	7	7	2	11.0	48.8
<b>Plot Average:</b>											<b>12.1</b>	<b>54.7</b>

<sup>1</sup>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).

<sup>2</sup>Frogeye leaf spot severity ratings.

<sup>3</sup>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).

<sup>4</sup>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).

<sup>5</sup>Varieties exhibiting no symptoms associated with southern blight = 0, varieties whereby approx. half of the population exhibited the symptoms indicative of southern blight = 5, varieties where numerous plants exhibited mycelia and sclerotia as well as severe wilting, prior to R8, = 9.

<sup>6</sup>Soybean yield adjusted to standard moisture content of 13.0%.

<sup>7</sup>Scores rated on scale of 0–10 with 0 being excellent and 10 being poor at harvest.

<sup>8</sup>Scores rated on scale of 0–9 with 0 being excellent and 9 being most severe.

**Itawamba County – Non-irrigated  
Maturity Group IV LibertyLink, GTLL, and Enlist E3**

Brand	Variety	Final height	Lodging score	Shattering score	Green stem score	Disease ratings					Seed moisture	Yield <sup>6</sup>
						CLB <sup>1</sup>	FLS <sup>2</sup>	SBS <sup>3</sup>	TS <sup>4</sup>	SB <sup>5</sup>		
		Inches	0 to 10 <sup>7</sup>	0 to 10 <sup>7</sup>	0 to 10 <sup>7</sup>	0 to 9 <sup>8</sup>	0 to 9 <sup>8</sup>	0 to 9 <sup>8</sup>	0 to 9 <sup>8</sup>	0 to 9 <sup>8</sup>	%	bu/acre
Go Soy	Go Soy 481E19	38	2	0	0	7	-	-	-	-	12.9	61.5
Go Soy	Go Soy 44GL18	35	7	0	0	6	-	-	-	-	12.7	56.2
Delta Grow	DG 4977 LL	44	7	0	0	7	-	-	-	-	12.8	54.1
Credenz	CZ 4539GTLL	38	4	0	0	5	-	-	-	-	12.8	53.0
<b>Plot Average:</b>											<b>12.8</b>	<b>56.2</b>

<sup>1</sup>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).

<sup>2</sup>Frogeye leaf spot severity ratings.

<sup>3</sup>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).

<sup>4</sup>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).

<sup>5</sup>Varieties exhibiting no symptoms associated with southern blight = 0, varieties whereby approx. half of the population exhibited the symptoms indicative of southern blight = 5, varieties where numerous plants exhibited mycelia and sclerotia as well as severe wilting, prior to R8, = 9.

<sup>6</sup>Soybean yield adjusted to standard moisture content of 13.0%.

<sup>7</sup>Scores rated on scale of 0–10 with 0 being excellent and 10 being poor at harvest.

<sup>8</sup>Scores rated on scale of 0–9 with 0 being excellent and 9 being most severe.

**Lee County – Non-irrigated  
Maturity Group IV LibertyLink, GTLL, and Enlist E3**

Brand	Variety	Final height	Lodging score	Shattering score	Green stem score	Disease ratings					Seed moisture	Yield <sup>6</sup>
						CLB <sup>1</sup>	FLS <sup>2</sup>	SBS <sup>3</sup>	TS <sup>4</sup>	SB <sup>5</sup>		
		Inches	0 to 10 <sup>7</sup>	0 to 10 <sup>7</sup>	0 to 10 <sup>7</sup>	0 to 9 <sup>8</sup>	0 to 9 <sup>8</sup>	0 to 9 <sup>8</sup>	0 to 9 <sup>8</sup>	0 to 9 <sup>8</sup>	%	bu/acre
Go Soy	Go Soy 481E19	41	3	0	1	-	-	-	-	-	10.4	58.5
Go Soy	Go Soy 44GL18	35	-	-	-	-	-	-	-	-	11.8	51.4
Delta Grow	DG 4977 LL	42	5	0	1	-	-	-	-	-	10.2	48.9
Credenz	CZ 4539GTLL	33	1	0	1	-	-	-	-	-	9.6	47.5
<b>Plot Average:</b>											<b>10.5</b>	<b>51.6</b>

<sup>1</sup>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).

<sup>2</sup>Frogeye leaf spot severity ratings.

<sup>3</sup>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).

<sup>4</sup>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).

<sup>5</sup>Varieties exhibiting no symptoms associated with southern blight = 0, varieties whereby approx. half of the population exhibited the symptoms indicative of southern blight = 5, varieties where numerous plants exhibited mycelia and sclerotia as well as severe wilting, prior to R8, = 9.

<sup>6</sup>Soybean yield adjusted to standard moisture content of 13.0%.

<sup>7</sup>Scores rated on scale of 0–10 with 0 being excellent and 10 being poor at harvest.

<sup>8</sup>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 <sup>6</sup>
						CLB <sup>1</sup>	FLS <sup>2</sup>	SBS <sup>3</sup>	TS <sup>4</sup>	SB <sup>5</sup>		
		Inches	0 to 10 <sup>7</sup>	0 to 10 <sup>7</sup>	0 to 10 <sup>7</sup>	0 to 9 <sup>8</sup>	0 to 9 <sup>8</sup>	0 to 9 <sup>8</sup>	0 to 9 <sup>8</sup>	0 to 9 <sup>8</sup>	%	bu/acre
Progeny	P 4851 RX	36	4	0	1	7	-	8	8	-	9.9	76.6
Progeny	P 4821 RX	32	5	0	2	7	-	8	8	3	9.8	76.6
Asgrow	AG46X6	32	3	0	4	7	-	8	7	1	10.6	76.0
Terral	REV 4927X	35	3	0	1	7	-	9	8	2	8.9	75.2
NK	S49-F5X	30	1	0	0	7	1	8	8	1	9.2	74.9
Armor	49-D67	34	1	0	2	7	-	9	8	1	9.2	73.9
Delta Grow	DG 48X45 RR2X	31	1	0	2	6	1	8	8	1	10.5	73.4
Dyna-Gro	S45XS66	38	3	0	2	7	-	8	8	2	9.7	72.1
Asgrow	AG48X9	41	4	0	1	6	-	9	8	-	11.4	72.0
Terral	REV 4940X	32	1	0	0	7	1	8	6	2	8.4	71.6
Asgrow	AG45X8	31	1	0	2	7	-	9	7	-	10.5	70.9
Credenz	CZ 4979X	36	5	0	1	7	-	8	7	2	9.6	70.8
AGS	AGS GS49X19	37	6	0	1	7	-	8	8	1	9.6	69.7
Armor	49-D66	36	3	0	1	7	-	9	8	1	9.4	69.7
Local Seed	LS4798X	34	5	0	7	7	1	8	8	1	10.7	68.7
<b>Plot Average:</b>											<b>9.8</b>	<b>72.8</b>

<sup>1</sup>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).

<sup>2</sup>Frogeye leaf spot severity ratings.

<sup>3</sup>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).

<sup>4</sup>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).

<sup>5</sup>Varieties exhibiting no symptoms associated with southern blight = 0, varieties whereby approx. half of the population exhibited the symptoms indicative of southern blight = 5, varieties where numerous plants exhibited mycelia and sclerotia as well as severe wilting, prior to R8, = 9.

<sup>6</sup>Soybean yield adjusted to standard moisture content of 13.0%.

<sup>7</sup>Scores rated on scale of 0–10 with 0 being excellent and 10 being poor at harvest.

<sup>8</sup>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 <sup>6</sup>
						CLB <sup>1</sup>	FLS <sup>2</sup>	SBS <sup>3</sup>	TS <sup>4</sup>	SB <sup>5</sup>		
		Inches	0 to 10 <sup>7</sup>	0 to 10 <sup>7</sup>	0 to 10 <sup>7</sup>	0 to 9 <sup>8</sup>	0 to 9 <sup>8</sup>	0 to 9 <sup>8</sup>	0 to 9 <sup>8</sup>	0 to 9 <sup>8</sup>	%	bu/acre
Armor	49-D67	33	1	0	6	7	-	7	8	2	13.7	52.0
NK	S49-F5X	30	1	0	2	6	-	6	8	2	13.6	50.9
Dyna-Gro	S45XS66	29	2	0	4	6	-	7	7	1	13.8	50.2
Armor	49-D66	29	2	0	7	6	-	7	6	3	14.3	49.2
Local Seed	LS4798X	33	3	0	8	6	-	6	7	1	13.2	47.2
Asgrow	AG46X6	27	1	0	8	6	-	8	6	1	13.6	45.8
Terral	REV 4940X	32	1	0	3	7	-	7	7	1	12.9	44.6
Credenz	CZ 4979X	29	1	0	6	6	-	6	8	3	12.7	44.4
Progeny	P 4851 RX	30	1	0	8	6	-	6	6	1	13.6	43.4
AGS	AGS GS49X19	33	2	0	7	6	-	6	6	1	13.6	43.0
Terral	REV 4927X	38	2	0	3	7	-	6	7	4	13.2	42.9
Progeny	P 4821 RX	31	4	0	5	6	1	7	7	1	13.0	42.2
Delta Grow	DG 48X45 RR2X	27	1	0	9	6	-	6	8	1	13.8	41.1
Asgrow	AG48X9	23	1	0	3	6	-	7	5	1	13.6	39.6
Asgrow	AG45X8	28	1	0	4	7	-	9	7	1	14.5	38.2
<b>Plot Average:</b>											<b>13.5</b>	<b>45.0</b>

<sup>1</sup>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).

<sup>2</sup>Frogeye leaf spot severity ratings.

<sup>3</sup>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).

<sup>4</sup>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).

<sup>5</sup>Varieties exhibiting no symptoms associated with southern blight = 0, varieties whereby approx. half of the population exhibited the symptoms indicative of southern blight = 5, varieties where numerous plants exhibited mycelia and sclerotia as well as severe wilting, prior to R8, = 9.

<sup>6</sup>Soybean yield adjusted to standard moisture content of 13.0%.

<sup>7</sup>Scores rated on scale of 0–10 with 0 being excellent and 10 being poor at harvest.

<sup>8</sup>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 <sup>6</sup>
						CLB <sup>1</sup>	FLS <sup>2</sup>	SBS <sup>3</sup>	TS <sup>4</sup>	SB <sup>5</sup>		
		Inches	0 to 10 <sup>7</sup>	0 to 10 <sup>7</sup>	0 to 10 <sup>7</sup>	0 to 9 <sup>8</sup>	0 to 9 <sup>8</sup>	0 to 9 <sup>8</sup>	0 to 9 <sup>8</sup>	0 to 9 <sup>8</sup>	%	bu/acre
AGS	AGS GS48X19	-	-	-	-	-	-	-	-	-	-	-
Armor	48-D25	-	-	-	-	-	-	-	-	-	-	-
Asgrow	AG46X6	-	-	-	-	-	-	-	-	-	-	-
Asgrow	AG48X9	-	-	-	-	-	-	-	-	-	-	-
Asgrow	AG45X8	-	-	-	-	-	-	-	-	-	-	-
Credenz	CZ 4869X	-	-	-	-	-	-	-	-	-	-	-
Delta Grow	DG 46X25 RR2X	-	-	-	-	-	-	-	-	-	-	-
Dyna-Gro	S48XT56	-	-	-	-	-	-	-	-	-	-	-
Dyna-Gro	S45XS37	-	-	-	-	-	-	-	-	-	-	-
Local Seed	LS4583X	-	-	-	-	-	-	-	-	-	-	-
NK	S47-Y9X	-	-	-	-	-	-	-	-	-	-	-
Pioneer	P48A60X	-	-	-	-	-	-	-	-	-	-	-
Progeny	P 4816 RX	-	-	-	-	-	-	-	-	-	-	-
Progeny	P 4620 RXS	-	-	-	-	-	-	-	-	-	-	-
Terral	REV 4940X	-	-	-	-	-	-	-	-	-	-	-
<b>Plot Average:</b>											-	-

<sup>1</sup>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).

<sup>2</sup>Frogeye leaf spot severity ratings.

<sup>3</sup>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).

<sup>4</sup>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).

<sup>5</sup>Varieties exhibiting no symptoms associated with southern blight = 0, varieties whereby approx. half of the population exhibited the symptoms indicative of southern blight = 5, varieties where numerous plants exhibited mycelia and sclerotia as well as severe wilting, prior to R8, = 9.

<sup>6</sup>Soybean yield adjusted to standard moisture content of 13.0%.

<sup>7</sup>Scores rated on scale of 0–10 with 0 being excellent and 10 being poor at harvest.

<sup>8</sup>Scores rated on scale of 0–9 with 0 being excellent and 9 being most severe.

**Lowndes 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 <sup>6</sup>
						CLB <sup>1</sup>	FLS <sup>2</sup>	SBS <sup>3</sup>	TS <sup>4</sup>	SB <sup>5</sup>		
		Inches	0 to 10 <sup>7</sup>	0 to 10 <sup>7</sup>	0 to 10 <sup>7</sup>	0 to 9 <sup>8</sup>	0 to 9 <sup>8</sup>	0 to 9 <sup>8</sup>	0 to 9 <sup>8</sup>	0 to 9 <sup>8</sup>	%	bu/acre
Pioneer	P55A49X	26	2	0	0	-	-	-	-	-	8.7	68.1
NK	S53-F7Z	44	4	0	0	-	-	-	-	-	9.4	67.7
Armor	52-D71	41	2	0	0	-	-	-	-	-	9.0	66.0
Pioneer	P54A54X	31	2	0	0	-	-	-	-	-	9.4	65.1
Local Seed	LS5087X	41	6	0	0	-	-	-	-	-	9.2	64.7
Asgrow	AG53X9	39	3	0	0	-	-	-	-	-	9.4	64.2
Asgrow	AG52X9	45	5	0	0	-	-	-	-	-	10.1	64.1
Dyna-Gro	S56XT99	32	3	0	0	-	-	-	-	-	9.0	64.0
Delta Grow	DG 54X25 RR2X	35	2	0	0	-	-	-	-	-	9.3	63.3
Terral	REV 5659X	33	3	0	0	-	-	-	-	-	10.0	61.2
Progeny	P 5688X	32	2	0	0	-	-	-	-	-	9.7	60.0
Credenz	CZ 5299X	46	6	1	0	-	-	-	-	-	9.1	57.8
AGS	AGS GS52X19S	43	3	0	0	-	-	-	-	-	9.0	56.9
Progeny	P 5252 RX	43	3	0	0	-	-	-	-	-	9.0	55.6
Armor	51-D77	43	6	1	0	-	-	-	-	-	10.1	54.7
<b>Plot Average:</b>											<b>9.4</b>	<b>62.2</b>

<sup>1</sup>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).

<sup>2</sup>Frogeye leaf spot severity ratings.

<sup>3</sup>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).

<sup>4</sup>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).

<sup>5</sup>Varieties exhibiting no symptoms associated with southern blight = 0, varieties whereby approx. half of the population exhibited the symptoms indicative of southern blight = 5, varieties where numerous plants exhibited mycelia and sclerotia as well as severe wilting, prior to R8, = 9.

<sup>6</sup>Soybean yield adjusted to standard moisture content of 13.0%.

<sup>7</sup>Scores rated on scale of 0–10 with 0 being excellent and 10 being poor at harvest.

<sup>8</sup>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 Inches	Lodging score 0 to 10 <sup>7</sup>	Shattering score 0 to 10 <sup>7</sup>	Green stem score 0 to 10 <sup>7</sup>	Disease ratings					Seed moisture %	Yield <sup>6</sup> bu/acre
						CLB <sup>1</sup> 0 to 9 <sup>8</sup>	FLS <sup>2</sup> 0 to 9 <sup>8</sup>	SBS <sup>3</sup> 0 to 9 <sup>8</sup>	TS <sup>4</sup> 0 to 9 <sup>8</sup>	SB <sup>5</sup> 0 to 9 <sup>8</sup>		
NK	S53-F7Z	42	4	0	1	7	-	8	6	-	11.2	71.7
Armor	52-D71	45	3	0	1	7	-	7	8	-	11.4	71.0
Pioneer	P55A49X	20	1	0	1	6	-	8	8	-	10.2	69.8
Pioneer	P54A54X	31	2	0	4	6	-	7	5	-	11.8	69.6
Asgrow	AG52X9	48	3	0	2	7	-	6	6	-	12.6	68.4
Terral	REV 5659X	34	1	0	2	6	-	7	7	-	11.1	66.9
Asgrow	AG53X9	33	4	0	1	7	-	7	8	-	11.5	66.4
Dyna-Gro	S56XT99	31	1	0	2	6	-	8	6	-	10.6	65.9
Local Seed	LS5087X	44	6	0	3	7	-	7	7	-	12.2	65.0
Armor	51-D77	51	6	0	8	6	-	7	6	-	12.3	62.6
Delta Grow	DG 54X25 RR2X	32	1	0	1	6	-	7	6	-	10.8	62.4
Progeny	P 5688 RX	27	1	0	4	6	-	8	7	-	11.1	62.4
Progeny	P 5252 RX	42	1	0	1	6	-	6	6	-	10.8	61.4
Credenz	CZ 5299X	46	5	0	4	7	-	7	5	-	12.0	60.9
AGS	AGS GS52X19S	46	4	0	2	7	-	7	7	-	11.4	60.9
<b>Plot Average:</b>											<b>11.4</b>	<b>65.7</b>

<sup>1</sup>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).

<sup>2</sup>Frogeye leaf spot severity ratings.

<sup>3</sup>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).

<sup>4</sup>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).

<sup>5</sup>Varieties exhibiting no symptoms associated with southern blight = 0, varieties whereby approx. half of the population exhibited the symptoms indicative of southern blight = 5, varieties where numerous plants exhibited mycelia and sclerotia as well as severe wilting, prior to R8, = 9.

<sup>6</sup>Soybean yield adjusted to standard moisture content of 13.0%.

<sup>7</sup>Scores rated on scale of 0–10 with 0 being excellent and 10 being poor at harvest.

<sup>8</sup>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 Inches	Lodging score 0 to 10 <sup>7</sup>	Shattering score 0 to 10 <sup>7</sup>	Green stem score 0 to 10 <sup>7</sup>	Disease ratings					Seed moisture %	Yield <sup>6</sup> bu/acre
						CLB <sup>1</sup> 0 to 9 <sup>8</sup>	FLS <sup>2</sup> 0 to 9 <sup>8</sup>	SBS <sup>3</sup> 0 to 9 <sup>8</sup>	TS <sup>4</sup> 0 to 9 <sup>8</sup>	SB <sup>5</sup> 0 to 9 <sup>8</sup>		
Armor	51-D77	40	1	1	0	-	-	-	-	-	14.0	28.6
Progeny	P 5688X	42	1	1	0	-	-	-	-	-	12.1	26.2
Asgrow	AG53X9	41	0	4	0	-	-	-	-	-	14.1	26.0
Progeny	P 5252 RX	40	1	2	0	-	-	-	-	-	14.5	25.8
Delta Grow	DG 54X25 RR2X	31	2	2	0	-	-	-	-	-	14.0	23.8
Asgrow	AG52X9	37	0	4	0	-	-	-	-	-	13.7	23.3
NK	S53-F7Z	37	1	1	0	-	-	-	-	-	13.8	23.1
Pioneer	P54A54X	39	0	1	0	-	-	-	-	-	14.1	23.0
Terral	REV 5659X	38	2	1	0	-	-	-	-	-	13.6	22.0
Pioneer	P55A49X	40	1	1	0	-	-	-	-	-	13.7	20.6
AGS	AGS GS52X19S	35	0	6	0	-	-	-	-	-	14.4	20.4
Dyna-Gro	S56XT99	26	0	1	0	-	-	-	-	-	13.8	19.5
Armor	52-D71	38	0	7	0	-	-	-	-	-	14.4	17.0
Local Seed	LS5087X	33	0	1	0	-	-	-	-	-	-	-
Credenz	CZ 5299X	-	-	-	-	-	-	-	-	-	-	-
<b>Plot Average:</b>											<b>13.9</b>	<b>23.0</b>

<sup>1</sup>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).

<sup>2</sup>Frogeye leaf spot severity ratings.

<sup>3</sup>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).

<sup>4</sup>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).

<sup>5</sup>Varieties exhibiting no symptoms associated with southern blight = 0, varieties whereby approx. half of the population exhibited the symptoms indicative of southern blight = 5, varieties where numerous plants exhibited mycelia and sclerotia as well as severe wilting, prior to R8, = 9.

<sup>6</sup>Soybean yield adjusted to standard moisture content of 13.0%.

<sup>7</sup>Scores rated on scale of 0–10 with 0 being excellent and 10 being poor at harvest.

<sup>8</sup>Scores rated on scale of 0–9 with 0 being excellent and 9 being most severe.

**Noxubee County – Non-irrigated  
Maturity Group IV Early Roundup Ready 2 Xtend**

Brand	Variety	Final height	Lodging score	Shattering score	Green stem score	Disease ratings					Seed moisture	Yield <sup>6</sup>
						CLB <sup>1</sup>	FLS <sup>2</sup>	SBS <sup>3</sup>	TS <sup>4</sup>	SB <sup>5</sup>		
		Inches	0 to 10 <sup>7</sup>	0 to 10 <sup>7</sup>	0 to 10 <sup>7</sup>	0 to 9 <sup>8</sup>	0 to 9 <sup>8</sup>	0 to 9 <sup>8</sup>	0 to 9 <sup>8</sup>	0 to 9 <sup>8</sup>	%	bu/acre
NK	S44-C7X	30	1	0	1	-	-	-	-	-	8.6	27.3
Progeny	P 4444 RXS	24	1	0	0	-	-	-	-	-	8.4	24.8
Armor	44-D92	32	1	0	0	-	-	-	-	-	8.5	23.1
Pioneer	P44A72BX	33	1	0	1	-	-	-	-	-	8.1	21.6
Dyna-Gro	S43XS70	31	1	0	0	-	-	-	-	-	7.9	20.0
Asgrow	AG43X8	36	1	0	0	-	-	-	-	-	7.6	19.6
Local Seed	LS4299XS	33	1	0	0	-	-	-	-	-	8.2	17.1
<b>Plot Average:</b>											<b>8.2</b>	<b>21.9</b>

<sup>1</sup>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).

<sup>2</sup>Frogeye leaf spot severity ratings.

<sup>3</sup>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).

<sup>4</sup>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).

<sup>5</sup>Varieties exhibiting no symptoms associated with southern blight = 0, varieties whereby approx. half of the population exhibited the symptoms indicative of southern blight = 5, varieties where numerous plants exhibited mycelia and sclerotia as well as severe wilting, prior to R8, = 9.

<sup>6</sup>Soybean yield adjusted to standard moisture content of 13.0%.

<sup>7</sup>Scores rated on scale of 0–10 with 0 being excellent and 10 being poor at harvest.

<sup>8</sup>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 Inches	Lodging score 0 to 10 <sup>7</sup>	Shattering score 0 to 10 <sup>7</sup>	Green stem score 0 to 10 <sup>7</sup>	Disease ratings					Seed moisture %	Yield <sup>6</sup> bu/acre
						CLB <sup>1</sup> 0 to 9 <sup>8</sup>	FLS <sup>2</sup> 0 to 9 <sup>8</sup>	SBS <sup>3</sup> 0 to 9 <sup>8</sup>	TS <sup>4</sup> 0 to 9 <sup>8</sup>	SB <sup>5</sup> 0 to 9 <sup>8</sup>		
NK	S49-F5X	36	2	0	1	-	-	-	-	-	8.0	26.8
Armor	49D-66	32	2	0	0	-	-	-	-	-	8.7	26.4
Progeny	P 4851 RX	37	2	0	1	-	-	-	-	-	8.2	26.2
Credenz	CZ 4979X	36	3	0	1	-	-	-	-	-	8.3	26.2
Dyna-Gro	S45XS66	40	2	0	1	-	-	-	-	-	8.8	26.1
AGS	AGS GS49X19	38	3	0	0	-	-	-	-	-	8.0	26.0
Armor	49-D67	46	2	0	1	-	-	-	-	-	9.2	25.2
Progeny	P 4821 RX	40	1	0	1	-	-	-	-	-	8.7	25.1
Terral	REV 4927X	41	1	0	1	-	-	-	-	-	8.2	24.9
Delta Grow	DG 48X45 RR2X	29	1	0	1	-	-	-	-	-	8.7	24.0
Terral	REV 4940X	31	1	0	1	-	-	-	-	-	9.2	24.0
Local Seed	LS4798X	35	2	0	1	-	-	-	-	-	9.1	22.0
Asgrow	AG48X9	35	1	0	1	-	-	-	-	-	9.3	21.6
Asgrow	AG45X8	31	1	0	1	-	-	-	-	-	8.9	20.7
Asgrow	AG46X6	29	1	0	0	-	-	-	-	-	8.9	20.4
<b>Plot Average:</b>											<b>8.7</b>	<b>24.4</b>

<sup>1</sup>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).

<sup>2</sup>Frogeye leaf spot severity ratings.

<sup>3</sup>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).

<sup>4</sup>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).

<sup>5</sup>Varieties exhibiting no symptoms associated with southern blight = 0, varieties whereby approx. half of the population exhibited the symptoms indicative of southern blight = 5, varieties where numerous plants exhibited mycelia and sclerotia as well as severe wilting, prior to R8, = 9.

<sup>6</sup>Soybean yield adjusted to standard moisture content of 13.0%.

<sup>7</sup>Scores rated on scale of 0–10 with 0 being excellent and 10 being poor at harvest.

<sup>8</sup>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 <sup>6</sup>
						CLB <sup>1</sup>	FLS <sup>2</sup>	SBS <sup>3</sup>	TS <sup>4</sup>	SB <sup>5</sup>		
		Inches	0 to 10 <sup>7</sup>	0 to 10 <sup>7</sup>	0 to 10 <sup>7</sup>	0 to 9 <sup>8</sup>	0 to 9 <sup>8</sup>	0 to 9 <sup>8</sup>	0 to 9 <sup>8</sup>	0 to 9 <sup>8</sup>	%	bu/acre
Terral	REV 5659X	30	1	0	1	-	-	-	-	-	11.5	32.3
Delta Grow	DG 54X25 RR2X	29	1	0	1	-	-	-	-	-	9.5	30.1
Armor	51-D77	30	1	0	0	-	-	-	-	-	8.9	29.0
Progeny	P 5252 RX	33	1	0	1	-	-	-	-	-	9.2	28.4
Armor	52-D71	31	1	0	1	-	-	-	-	-	10.5	27.8
Progeny	P 5688RX	34	1	0	2	-	-	-	-	-	11.1	27.6
Dyna-Grow	S56XT99	31	1	0	2	-	-	-	-	-	10.4	27.5
Local Seed	LS5087X	31	2	0	1	-	-	-	-	-	10.0	27.1
Asgrow	AG53X9	32	1	0	0	-	-	-	-	-	9.9	27.0
NK	S52-F7X	26	1	0	1	-	-	-	-	-	9.1	26.4
Pioneer	P54A54X	33	1	0	1	-	-	-	-	-	8.9	26.2
AGS	AGS GS52X19S	30	1	0	1	-	-	-	-	-	9.7	25.8
Pioneer	P55A49X	30	1	0	0	-	-	-	-	-	9.8	25.7
Asgrow	AG52X9	33	1	0	1	-	-	-	-	-	9.1	25.3
Credenz	CZ 5299X	30	1	0	1	-	-	-	-	-	9.0	24.6
<b>Plot Average:</b>											<b>9.8</b>	<b>27.4</b>

<sup>1</sup>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).

<sup>2</sup>Frogeye leaf spot severity ratings.

<sup>3</sup>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).

<sup>4</sup>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).

<sup>5</sup>Varieties exhibiting no symptoms associated with southern blight = 0, varieties whereby approx. half of the population exhibited the symptoms indicative of southern blight = 5, varieties where numerous plants exhibited mycelia and sclerotia as well as severe wilting, prior to R8, = 9.

<sup>6</sup>Soybean yield adjusted to standard moisture content of 13.0%.

<sup>7</sup>Scores rated on scale of 0–10 with 0 being excellent and 10 being poor at harvest.

<sup>8</sup>Scores rated on scale of 0–9 with 0 being excellent and 9 being most severe.

**Noxubee County – Non-irrigated  
Maturity Group IV LibertyLink, GTLL, and Enlist E3**

Brand	Variety	Final height	Lodging score	Shattering score	Green stem score	Disease ratings					Seed moisture	Yield <sup>6</sup>
						CLB <sup>1</sup>	FLS <sup>2</sup>	SBS <sup>3</sup>	TS <sup>4</sup>	SB <sup>5</sup>		
		Inches	0 to 10 <sup>7</sup>	0 to 10 <sup>7</sup>	0 to 10 <sup>7</sup>	0 to 9 <sup>8</sup>	0 to 9 <sup>8</sup>	0 to 9 <sup>8</sup>	0 to 9 <sup>8</sup>	0 to 9 <sup>8</sup>	%	bu/acre
Go Soy	Go Soy 481E19	45	2	0	1	-	-	-	-	-	11.9	53.0
Go Soy	Go Soy 44GL18	44	1	0	2	-	-	-	-	-	10.8	47.8
Credenz	CZ 4539GTL	43	1	0	2	-	-	-	-	-	11.6	36.0
Delta Grow	DG 4977 LL	46	1	0	5	-	-	-	-	-	15.3	35.9
<b>Plot Average:</b>											<b>12.4</b>	<b>43.2</b>

<sup>1</sup>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).

<sup>2</sup>Frogeye leaf spot severity ratings.

<sup>3</sup>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).

<sup>4</sup>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).

<sup>5</sup>Varieties exhibiting no symptoms associated with southern blight = 0, varieties whereby approx. half of the population exhibited the symptoms indicative of southern blight = 5, varieties where numerous plants exhibited mycelia and sclerotia as well as severe wilting, prior to R8, = 9.

<sup>6</sup>Soybean yield adjusted to standard moisture content of 13.0%.

<sup>7</sup>Scores rated on scale of 0–10 with 0 being excellent and 10 being poor at harvest.

<sup>8</sup>Scores rated on scale of 0–9 with 0 being excellent and 9 being most severe.

**Oktibbeha County – Non-irrigated  
Maturity Group IV Early Roundup Ready 2 Xtend**

Brand	Variety	Final height	Lodging score	Shattering score	Green stem score	Disease ratings					Seed moisture	Yield <sup>6</sup>
						CLB <sup>1</sup>	FLS <sup>2</sup>	SBS <sup>3</sup>	TS <sup>4</sup>	SB <sup>5</sup>		
		Inches	0 to 10 <sup>7</sup>	0 to 10 <sup>7</sup>	0 to 10 <sup>7</sup>	0 to 9 <sup>8</sup>	0 to 9 <sup>8</sup>	0 to 9 <sup>8</sup>	0 to 9 <sup>8</sup>	0 to 9 <sup>8</sup>	%	bu/acre
Progeny	P 4444 RXS	22	1	0	1	7	-	8	6	5	12.9	45.4
Asgrow	AG43X8	26	0	1	3	7	-	7	5	4	13.2	45.0
Pioneer	P44A72BX	23	0	1	2	6	-	7	6	3	12.6	38.4
NK	S44-C7X	21	0	1	3	7	-	8	6	3	13.1	36.7
Local Seed	LS4299XS	21	0	0	1	7	-	7	6	6	12.8	35.7
Armor	44-D92	21	0	1	1	7	-	8	7	5	12.6	31.7
Dyna-Gro	S43XS70	21	0	1	2	7	-	7	7	5	12.8	31.4
<b>Plot Average:</b>											<b>12.9</b>	<b>37.8</b>

<sup>1</sup>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).

<sup>2</sup>Frogeye leaf spot severity ratings.

<sup>3</sup>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).

<sup>4</sup>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).

<sup>5</sup>Varieties exhibiting no symptoms associated with southern blight = 0, varieties whereby approx. half of the population exhibited the symptoms indicative of southern blight = 5, varieties where numerous plants exhibited mycelia and sclerotia as well as severe wilting, prior to R8, = 9.

<sup>6</sup>Soybean yield adjusted to standard moisture content of 13.0%.

<sup>7</sup>Scores rated on scale of 0–10 with 0 being excellent and 10 being poor at harvest.

<sup>8</sup>Scores rated on scale of 0–9 with 0 being excellent and 9 being most severe.

**Oktibbeha County – Non-irrigated  
Maturity Group IV (Mixed/Light Soil) Roundup Ready 2 Xtend**

Brand	Variety	Final height Inches	Lodging score 0 to 10 <sup>7</sup>	Shattering score 0 to 10 <sup>7</sup>	Green stem score 0 to 10 <sup>7</sup>	Disease ratings					Seed moisture %	Yield <sup>6</sup> bu/acre
						CLB <sup>1</sup> 0 to 9 <sup>8</sup>	FLS <sup>2</sup> 0 to 9 <sup>8</sup>	SBS <sup>3</sup> 0 to 9 <sup>8</sup>	TS <sup>4</sup> 0 to 9 <sup>8</sup>	SB <sup>5</sup> 0 to 9 <sup>8</sup>		
AGS	AGS GS48X19	31	3	1	1	7	-	7	5	2	12.2	48.1
Armor	48-D25	26	3	0	3	6	-	7	5	1	12.1	44.1
Dyna-Gro	S48XT56	21	1	1	6	6	-	6	6	1	12.8	44.1
Progeny	P 4816 RX	26	1	0	6	6	-	6	5	1	12.5	42.2
Asgrow	AG46X6	28	3	0	3	7	-	7	5	1	12.7	40.6
Dyna-Gro	S45XS37	26	1	0	4	7	-	7	6	2	11.1	40.5
Pioneer	P48A60X	26	1	0	4	7	-	8	7	3	11.5	39.5
Asgrow	AG48X9	19	1	1	3	6	-	7	6	1	12.1	38.6
NK	S47-Y9X	26	1	1	2	7	-	7	6	2	12.3	36.2
Local Seed	LS4583X	20	0	0	2	7	-	7	6	1	11.8	36.1
Progeny	P 4620 RXS	20	1	0	1	7	-	7	5	2	11.7	35.3
Delta Grow	DG 46X25 RR2X	20	1	0	3	7	-	8	7	2	10.8	35.1
Asgrow	AG45X8	21	0	0	3	7	-	7	6	4	12.5	32.4
Credenz	CZ 4869X	27	2	0	1	7	-	7	6	4	13.3	32.1
Terral	REV 4940X	22	1	0	4	6	-	6	5	1	12.6	27.7
<b>Plot Average:</b>											<b>12.1</b>	<b>38.2</b>

<sup>1</sup>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).

<sup>2</sup>Frogeye leaf spot severity ratings.

<sup>3</sup>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).

<sup>4</sup>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).

<sup>5</sup>Varieties exhibiting no symptoms associated with southern blight = 0, varieties whereby approx. half of the population exhibited the symptoms indicative of southern blight = 5, varieties where numerous plants exhibited mycelia and sclerotia as well as severe wilting, prior to R8, = 9.

<sup>6</sup>Soybean yield adjusted to standard moisture content of 13.0%.

<sup>7</sup>Scores rated on scale of 0–10 with 0 being excellent and 10 being poor at harvest.

<sup>8</sup>Scores rated on scale of 0–9 with 0 being excellent and 9 being most severe.

**Oktibbeha County – Non-irrigated  
Maturity Group V Roundup Ready 2 Xtend**

Brand	Variety	Final height Inches	Lodging score 0 to 10 <sup>7</sup>	Shattering score 0 to 10 <sup>7</sup>	Green stem score 0 to 10 <sup>7</sup>	Disease ratings					Seed moisture %	Yield <sup>6</sup> bu/acre
						CLB <sup>1</sup> 0 to 9 <sup>8</sup>	FLS <sup>2</sup> 0 to 9 <sup>8</sup>	SBS <sup>3</sup> 0 to 9 <sup>8</sup>	TS <sup>4</sup> 0 to 9 <sup>8</sup>	SB <sup>5</sup> 0 to 9 <sup>8</sup>		
AGS	AGS GS52X19S	37	6	0	3	6	-	7	6	4	13.9	48.1
Armor	51-D77	38	6	0	3	9	-	7	6	2	13.7	46.5
Pioneer	P55A49X	17	1	0	1	7	-	7	5	4	13.0	46.5
Progeny	P 5252 RX	38	6	0	3	7	-	7	6	3	12.6	45.9
Delta Grow	DG 54X25 RR2X	18	1	0	2	6	-	7	6	5	13.6	45.7
Local Seed	LS5087X	29	2	0	3	7	-	7	6	5	13.1	44.8
Armor	52-D71	37	6	0	3	7	-	7	6	5	12.5	43.3
Terral	REV 5659X	21	1	0	2	6	-	7	5	2	13.2	43.3
Credenz	CZ 5299X	30	1	0	3	7	-	7	6	3	14.0	42.0
Dyna-Gro	S56XT99	17	1	0	4	6	-	7	5	4	13.5	41.1
Progeny	P 5688X	24	1	0	5	6	-	7	6	1	14.0	39.8
Pioneer	P54A54X	17	1	0	3	6	-	7	6	5	12.7	37.2
NK	S53-F7Z	26	1	0	2	7	-	7	5	7	13.2	37.0
Asgrow	AG53X9	21	1	1	4	7	-	7	6	6	13.3	32.9
Asgrow	AG52X9	26	0	0	4	6	-	7	6	6	12.8	27.9
<b>Plot Average:</b>											<b>13.3</b>	<b>41.5</b>

<sup>1</sup>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).

<sup>2</sup>Frogeye leaf spot severity ratings.

<sup>3</sup>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).

<sup>4</sup>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).

<sup>5</sup>Varieties exhibiting no symptoms associated with southern blight = 0, varieties whereby approx. half of the population exhibited the symptoms indicative of southern blight = 5, varieties where numerous plants exhibited mycelia and sclerotia as well as severe wilting, prior to R8, = 9.

<sup>6</sup>Soybean yield adjusted to standard moisture content of 13.0%.

<sup>7</sup>Scores rated on scale of 0–10 with 0 being excellent and 10 being poor at harvest.

<sup>8</sup>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 Inches	Lodging score 0 to 10 <sup>7</sup>	Shattering score 0 to 10 <sup>7</sup>	Green stem score 0 to 10 <sup>7</sup>	Disease ratings					Seed moisture %	Yield <sup>6</sup> bu/acre
						CLB <sup>1</sup> 0 to 9 <sup>8</sup>	FLS <sup>2</sup> 0 to 9 <sup>8</sup>	SBS <sup>3</sup> 0 to 9 <sup>8</sup>	TS <sup>4</sup> 0 to 9 <sup>8</sup>	SB <sup>5</sup> 0 to 9 <sup>8</sup>		
Dyna-Gro	S45XS37	37	1	0	0	-	-	-	-	-	10.1	37.3
Asgrow	AG45X8	36	1	0	0	-	-	-	-	-	10.5	37.2
Asgrow	AG46X6	44	1	0	0	-	-	-	-	-	9.5	36.9
NK	S47-Y9X	37	3	0	0	-	-	-	-	-	9.0	36.5
Delta Grow	DG 46X25 RR2X	40	1	0	0	-	-	-	-	-	8.5	35.3
Progeny	P 4620 RXS	44	3	0	0	-	-	-	-	-	9.4	34.3
Local Seed	LS4583X	41	2	0	0	-	-	-	-	-	8.5	33.3
Dyna-Gro	S48XT56	36	1	0	0	-	-	-	-	-	9.2	33.0
Credenz	CZ 4869X	32	1	0	0	-	-	-	-	-	9.3	32.3
Pioneer	P48A60X	39	2	0	0	-	-	-	-	-	8.7	31.8
AGS	AGS GS48X19	34	2	0	0	-	-	-	-	-	8.4	31.3
Armor	48-D25	45	2	0	0	-	-	-	-	-	9.4	30.9
Asgrow	AG48X9	37	1	0	0	-	-	-	-	-	9.4	28.2
Progeny	P 4816 RX	39	4	0	0	-	-	-	-	-	8.2	27.2
Terral	REV 4940X	35	2	0	0	-	-	-	-	-	8.8	25.7
<b>Plot Average:</b>											<b>9.1</b>	<b>32.7</b>

<sup>1</sup>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).

<sup>2</sup>Frogeye leaf spot severity ratings.

<sup>3</sup>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).

<sup>4</sup>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).

<sup>5</sup>Varieties exhibiting no symptoms associated with southern blight = 0, varieties whereby approx. half of the population exhibited the symptoms indicative of southern blight = 5, varieties where numerous plants exhibited mycelia and sclerotia as well as severe wilting, prior to R8, = 9.

<sup>6</sup>Soybean yield adjusted to standard moisture content of 13.0%.

<sup>7</sup>Scores rated on scale of 0–10 with 0 being excellent and 10 being poor at harvest.

<sup>8</sup>Scores rated on scale of 0–9 with 0 being excellent and 9 being most severe.

**Pontotoc County – Non-irrigated  
Maturity Group V Roundup Ready 2 Xtend**

Brand	Variety	Final height Inches	Lodging score 0 to 10 <sup>7</sup>	Shattering score 0 to 10 <sup>7</sup>	Green stem score 0 to 10 <sup>7</sup>	Disease ratings					Seed moisture %	Yield <sup>6</sup> bu/acre
						CLB <sup>1</sup> 0 to 9 <sup>8</sup>	FLS <sup>2</sup> 0 to 9 <sup>8</sup>	SBS <sup>3</sup> 0 to 9 <sup>8</sup>	TS <sup>4</sup> 0 to 9 <sup>8</sup>	SB <sup>5</sup> 0 to 9 <sup>8</sup>		
Pioneer	P54A54X	36	3	0	0	-	-	-	-	-	8.5	35.3
Pioneer	P55A49X	28	1	0	0	-	-	-	-	-	8.4	29.9
Asgrow	AG53X9	38	5	0	0	-	-	-	-	-	8.6	29.2
Armor	52-D71	40	2	0	0	-	-	-	-	-	8.5	28.5
Delta Grow	DG 54X25 RR2X	30	2	0	0	-	-	-	-	-	9.1	28.3
Dyna-Gro	S56XT99	34	2	0	0	-	-	-	-	-	8.7	26.4
Local Seed	LS5087X	39	4	0	0	-	-	-	-	-	8.7	25.1
NK	S53-F7Z	39	3	0	0	-	-	-	-	-	8.5	25.1
Asgrow	AG52X9	40	4	0	0	-	-	-	-	-	8.5	23.8
Credenz	CZ 5299X	37	2	0	0	-	-	-	-	-	8.4	23.1
Terral	REV 5659X	38	2	0	0	-	-	-	-	-	8.6	23.1
Armor	51-D77	34	5	0	0	-	-	-	-	-	8.3	22.4
Progeny	P 5252 RX	28	4	0	0	-	-	-	-	-	7.9	21.9
AGS	AGS GS52X19S	35	2	0	0	-	-	-	-	-	8.4	20.4
Progeny	P 5688X	34	3	0	0	-	-	-	-	-	8.8	17.6
<b>Plot Average:</b>											<b>8.5</b>	<b>25.3</b>

<sup>1</sup>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).

<sup>2</sup>Frogeye leaf spot severity ratings.

<sup>3</sup>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).

<sup>4</sup>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).

<sup>5</sup>Varieties exhibiting no symptoms associated with southern blight = 0, varieties whereby approx. half of the population exhibited the symptoms indicative of southern blight = 5, varieties where numerous plants exhibited mycelia and sclerotia as well as severe wilting, prior to R8, = 9.

<sup>6</sup>Soybean yield adjusted to standard moisture content of 13.0%.

<sup>7</sup>Scores rated on scale of 0–10 with 0 being excellent and 10 being poor at harvest.

<sup>8</sup>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 <sup>6</sup>
						CLB <sup>1</sup>	FLS <sup>2</sup>	SBS <sup>3</sup>	TS <sup>4</sup>	SB <sup>5</sup>		
		Inches	0 to 10 <sup>7</sup>	0 to 10 <sup>7</sup>	0 to 10 <sup>7</sup>	0 to 9 <sup>8</sup>	0 to 9 <sup>8</sup>	0 to 9 <sup>8</sup>	0 to 9 <sup>8</sup>	0 to 9 <sup>8</sup>	%	bu/acre
Progeny	P 4620 RXS	34	1	0	0	7	-	6	8	1	10.3	37.3
Terral	REV 4940X	31	1	0	0	6	-	8	9	2	9.9	37.1
Pioneer	P48A60X	28	1	0	0	7	1	7	7	1	10.3	36.5
Asgrow	AG46X6	30	1	0	0	7	-	7	7	1	10.4	36.1
NK	S47-Y9X	32	1	0	1	6	1	6	9	5	11.2	35.7
AGS	AGS GS48X19	31	2	0	0	7	-	7	9	3	10.1	35.7
Delta Grow	DG 46X25 RR2X	32	1	0	0	6	2	6	9	5	10.6	35.6
Dyna-Gro	S45XS37	33	1	0	0	7	-	8	6	1	10.8	34.3
Asgrow	AG48X9	30	1	0	0	7	-	6	8	2	11.4	34.1
Local Seed	LS4583X	33	1	0	0	7	-	7	8	2	10.6	33.6
Asgrow	AG45X8	28	1	0	0	7	-	8	8	3	11.8	33.1
Armor	48-D25	33	1	0	0	7	2	7	8	1	11.6	32.8
Progeny	P 4816 RX	29	1	0	0	6	2	7	5	1	10.0	32.2
Dyna-Gro	S48XT56	30	1	0	0	7	2	7	7	1	11.4	28.7
Credenz	CZ 4869X	35	1	0	0	6	-	8	6	1	11.3	22.7
<b>Plot Average:</b>											<b>10.8</b>	<b>33.7</b>

<sup>1</sup>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).

<sup>2</sup>Frogeye leaf spot severity ratings.

<sup>3</sup>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).

<sup>4</sup>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).

<sup>5</sup>Varieties exhibiting no symptoms associated with southern blight = 0, varieties whereby approx. half of the population exhibited the symptoms indicative of southern blight = 5, varieties where numerous plants exhibited mycelia and sclerotia as well as severe wilting, prior to R8, = 9.

<sup>6</sup>Soybean yield adjusted to standard moisture content of 13.0%.

<sup>7</sup>Scores rated on scale of 0–10 with 0 being excellent and 10 being poor at harvest.

<sup>8</sup>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 Inches	Lodging score 0 to 10 <sup>7</sup>	Shattering score 0 to 10 <sup>7</sup>	Green stem score 0 to 10 <sup>7</sup>	Disease ratings					Seed moisture %	Yield <sup>6</sup> bu/acre
						CLB <sup>1</sup> 0 to 9 <sup>8</sup>	FLS <sup>2</sup> 0 to 9 <sup>8</sup>	SBS <sup>3</sup> 0 to 9 <sup>8</sup>	TS <sup>4</sup> 0 to 9 <sup>8</sup>	SB <sup>5</sup> 0 to 9 <sup>8</sup>		
Asgrow	AG46X6	39	3	0	1	7	-	8	9	1	11.1	82.3
Progeny	P 4816 RX	33	1	0	1	6	-	7	6	1	12.1	82.0
Dyna-Gro	S48XT56	37	1	0	1	6	-	8	6	1	11.2	81.9
Progeny	P 4620 RXS	40	4	0	1	7	-	8	8	2	11.6	81.1
Armor	48-D25	38	2	0	0	6	-	7	8	1	10.7	81.0
Dyna-Gro	S45XS37	41	3	0	2	7	-	9	7	1	10.3	80.6
Asgrow	AG48X9	38	3	0	1	6	-	6	8	1	11.8	79.2
Pioneer	P48A60X	40	2	0	0	7	-	8	8	4	12.2	78.9
Asgrow	AG45X8	37	3	0	0	7	-	9	9	2	11.2	78.4
NK	S47-Y9X	34	1	0	1	7	-	7	8	1	10.7	78.0
Delta Grow	DG 46X25 RR2X	40	2	1	0	6	-	7	8	1	10.4	77.5
Local Seed	LS4583X	37	4	0	0	6	1	9	7	1	10.8	75.9
Credenz	CZ 4869X	41	4	0	1	6	-	8	7	2	11.6	75.4
AGS	AGS GS48X19	41	2	0	0	7	-	7	8	1	11.6	74.4
Terral	REV 4940X	36	2	0	0	6	-	7	8	1	12.8	74.0
<b>Plot Average:</b>											<b>11.3</b>	<b>78.7</b>

<sup>1</sup>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).

<sup>2</sup>Frogeye leaf spot severity ratings.

<sup>3</sup>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).

<sup>4</sup>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).

<sup>5</sup>Varieties exhibiting no symptoms associated with southern blight = 0, varieties whereby approx. half of the population exhibited the symptoms indicative of southern blight = 5, varieties where numerous plants exhibited mycelia and sclerotia as well as severe wilting, prior to R8, = 9.

<sup>6</sup>Soybean yield adjusted to standard moisture content of 13.0%.

<sup>7</sup>Scores rated on scale of 0–10 with 0 being excellent and 10 being poor at harvest.

<sup>8</sup>Scores rated on scale of 0–9 with 0 being excellent and 9 being most severe.

**Tunica 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 <sup>6</sup>
						CLB <sup>1</sup>	FLS <sup>2</sup>	SBS <sup>3</sup>	TS <sup>4</sup>	SB <sup>5</sup>		
		Inches	0 to 10 <sup>7</sup>	0 to 10 <sup>7</sup>	0 to 10 <sup>7</sup>	0 to 9 <sup>8</sup>	0 to 9 <sup>8</sup>	0 to 9 <sup>8</sup>	0 to 9 <sup>8</sup>	0 to 9 <sup>8</sup>	%	bu/acre
Local Seed	LS4798X	28	2	2	0	5	-	6	7	-	13.8	48.6
Armor	49-D67	23	1	0	0	6	-	7	5	1	14.0	47.1
AGS	AGS GS49X19	24	1	2	0	6	1	6	5	-	14.1	46.1
Armor	49-D66	24	1	0	0	6	-	7	6	-	14.4	45.7
Credenz	CZ 4979X	23	1	1	0	6	-	6	5	1	14.0	42.6
Asgrow	AG45X8	21	1	1	0	6	-	6	7	-	14.3	41.1
Progeny	P 4821 RX	24	1	0	0	7	2	6	5	-	13.7	40.3
Terral	REV 4940X	19	1	0	0	7	-	6	5	1	14.0	40.3
Progeny	P 4851 RX	22	1	1	0	6	-	6	6	-	13.3	39.4
Dyna-Gro	S45XS66	22	1	1	0	6	1	6	4	-	14.6	38.3
NK	S49-F5X	21	1	1	0	6	3	8	6	1	14.3	36.8
Asgrow	AG46X6	20	1	0	0	6	-	6	6	-	14.1	35.7
Terral	REV 4927X	16	1	0	0	6	-	4	6	-	13.7	34.7
Delta Grow	DG 48X45 RR2X	21	1	0	0	6	-	6	8	-	13.9	30.6
Asgrow	AG48X9	20	1	2	0	7	-	7	4	1	14.6	23.4
<b>Plot Average:</b>											<b>14.1</b>	<b>39.4</b>

<sup>1</sup>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).

<sup>2</sup>Frogeye leaf spot severity ratings.

<sup>3</sup>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).

<sup>4</sup>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).

<sup>5</sup>Varieties exhibiting no symptoms associated with southern blight = 0, varieties whereby approx. half of the population exhibited the symptoms indicative of southern blight = 5, varieties where numerous plants exhibited mycelia and sclerotia as well as severe wilting, prior to R8, = 9.

<sup>6</sup>Soybean yield adjusted to standard moisture content of 13.0%.

<sup>7</sup>Scores rated on scale of 0–10 with 0 being excellent and 10 being poor at harvest.

<sup>8</sup>Scores rated on scale of 0–9 with 0 being excellent and 9 being most severe.

**Washington 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 <sup>6</sup>
						CLB <sup>1</sup>	FLS <sup>2</sup>	SBS <sup>3</sup>	TS <sup>4</sup>	SB <sup>5</sup>		
		Inches	0 to 10 <sup>7</sup>	0 to 10 <sup>7</sup>	0 to 10 <sup>7</sup>	0 to 9 <sup>8</sup>	0 to 9 <sup>8</sup>	0 to 9 <sup>8</sup>	0 to 9 <sup>8</sup>	0 to 9 <sup>8</sup>	%	bu/acre
NK	S49-F5X	27	4	0	0	6	-	-	-	-	7.7	39.7
Asgrow	AG48X9	30	1	0	1	6	-	-	-	-	8.7	39.0
Progeny	P 4851 RX	31	1	0	4	7	-	-	-	-	8.5	38.6
Terral	REV 4940X	29	4	0	1	6	-	-	-	-	7.6	37.7
Armor	49-D67	30	2	0	0	7	-	-	-	-	7.3	37.4
Armor	49-D66	30	1	0	0	6	-	-	-	-	8.3	37.0
Dyna-Gro	S45XS66	31	2	0	0	6	-	-	-	-	8.1	36.9
AGS	AGS GS49X19	29	1	0	2	7	-	-	-	-	8.5	36.8
Credenz	CZ 4979X	31	1	0	0	6	-	-	-	-	7.4	36.0
Asgrow	AG45X8	30	1	0	1	5	-	-	-	-	7.8	35.4
Asgrow	AG46X6	28	1	0	0	6	-	-	-	-	8.3	34.9
Local Seed	LS4798X	32	2	0	1	7	-	-	-	-	8.1	34.0
Delta Grow	DG 48X45 RR2X	25	1	0	2	5	-	-	-	-	10.6	33.5
Progeny	P 4821 RX	26	4	0	1	6	-	-	-	-	10.1	31.4
Terral	REV 4927X	29	2	0	1	7	-	-	-	-	8.8	26.0
<b>Plot Average:</b>											<b>8.4</b>	<b>35.6</b>

<sup>1</sup>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).

<sup>2</sup>Frogeye leaf spot severity ratings.

<sup>3</sup>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).

<sup>4</sup>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).

<sup>5</sup>Varieties exhibiting no symptoms associated with southern blight = 0, varieties whereby approx. half of the population exhibited the symptoms indicative of southern blight = 5, varieties where numerous plants exhibited mycelia and sclerotia as well as severe wilting, prior to R8, = 9.

<sup>6</sup>Soybean yield adjusted to standard moisture content of 13.0%.

<sup>7</sup>Scores rated on scale of 0–10 with 0 being excellent and 10 being poor at harvest.

<sup>8</sup>Scores rated on scale of 0–9 with 0 being excellent and 9 being most severe.

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By **Trent Irby**, PhD, Associate Extension Professor, Plant and Soil Sciences; **Alanna Scholtes**, Extension Associate, Plant and Soil Sciences; **Garrett Oswalt**, Extension Associate, Plant and Soil Sciences; and **Tom Allen**, PhD, Extension/Research Professor, Delta Research and Extension Center.



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