

# 2015 Soybean Variety Demonstration Program Summary



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During the 2015 growing season, a total of 18 on-farm soybean variety demonstration plots were successfully conducted. Due to the adverse weather conditions during the planting season, several intended locations were lost. The following information is intended to complement data generated through small-plot OVT testing programs.

<b>2015 Locations</b>		
<b>County</b>	<b>Demonstration Type</b>	<b>Irrigation Method</b>
Bolivar	MG IV RR	Furrow
Coahoma	MG IV RR	Furrow
Humphreys	MG IV RR	Furrow
Oktibbeha	MG IV RR	Furrow
Sharkey	MG IV RR	Furrow
Sunflower	MG IV RR	Furrow
Leflore	MG V RR	Furrow
Oktibbeha	MG V RR	Furrow
Sharkey	MG V RR	Furrow
Marshall	MG IV RR	None
Noxubee	MG IV RR	None
Clay	MG V RR	None
Hinds	MG V RR	None
Monroe	MG V RR	None
Washington	MG IV LL	Furrow
Washington	MG V LL	Furrow
Madison	MG IV LL	None
Madison	MG V LL	None

## **MSU Extension Participants**

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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: Nick Bateman, Shane Carver, Chase Floyd, Michael Houston, Jonathon Burton, Tristan Knight, and Barrett Steinwinder.

2015 Location Information									
County	Plot type	Planting date	Seeding date	Plot width	Row spacing	Tillage system	Soil series	Irrigation method	Harvest date
Bolivar	MG IV RR	13-May	135,000	6 twin rows	38"	Conventional	Forestdale silty clay loam	Furrow	7-Oct
Coahoma	MG IV RR	7-May	140,000	12 rows	30"	Conventional	Alligator clay	Furrow	8-Oct
Humphreys	MG IV RR	1-May	137,000	16 twin rows	38"	Conventional	Alligator-Dowling clays	Furrow	2-Oct
Oktibbeha	MG IV RR	4-Jun	140,000	2 rows	38"	Conventional	Marietta fine sandy loam	Furrow	14-Oct
Sharkey	MG IV RR	5-May	140,000	6 rows	38"	Conventional	Commerce silty clay loam	Furrow	27-Sep
Sunflower	MG IV RR	4-May	140,000	12 rows	38"	Conventional	Sharkey clay	Furrow	25-Sep
Leflore	MG V RR	5-May	130,000	6 rows	38"	Conventional	Alligator clay	Furrow	5-Oct
Oktibbeha	MG V RR	4-Jun	140,000	2 rows	38"	Conventional	Marietta fine sandy loam	Furrow	14-Oct
Sharkey	MG V RR	5-May	140,000	6 rows	38"	Conventional	Commerce silty clay loam	Furrow	27-Sep
Marshall	MG IV RR	8-Jun	125,000	20 rows	15"	No-till	Vicksburg silt loam	None	6-Oct
Noxubee	MG IV RR	8-May	120,000	8 rows	30"	Conventional	Brooksville silty clay	None	18-Sep
Clay	MG V RR	5-May	105,000	4 rows	30"	No-till	Griffith silty clay	None	7-Oct
Hinds	MG V RR	13-May	120,000	8 rows	30"	Conventional	Oaklimer silt loam	None	1-Oct
Monroe	MG V RR	14-May	110,000	4 rows	30"	Conventional	Prentiss fine sandy loam	None	19-Oct
Washington	MG IV LL	4-Jun	110,000	6 rows	38"	Conventional	Sharkey clay	Furrow	7-Oct
Washington	MG V LL	4-Jun	110,000	6 rows	38"	Conventional	Sharkey clay	Furrow	7-Oct
Madison	MG IV LL	4-May	110,000	4 rows	30"	No-till	Oaklimer silt loam	None	28-Sep
Madison	MG V LL	4-May	110,000	4 rows	30"	No-till	Oaklimer silt loam	None	28-Sep

## Soybean Variety Characteristics

Maturity Group IV Roundup Ready 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	49-R56	4.9	RR2Y	I	M	MS	LT
Asgrow	AG4632	4.6	RR2Y/STS	I	MB	T	LT
Asgrow	AG4835	4.8	RR2Y/STS	I	MB	MT	LT
Credenz	CZ 4590 RY	4.5	RR2Y	I	MB	MT	T
Credenz	HBK RY4721	4.7	RR2Y/STS	I	B	T	LT
Croplan	R2C4541	4.5	RR2Y	I	M	M	LT
Delta Grow	DG 4670R2Y	4.6	RR2Y	I	MB	M	LT
Delta Grow	DG 4765R2Y	4.7	RR2Y/STS	I	MB	MT	LT
Dyna-Gro	31RY45	4.5	RR2Y	I	M	T	LT
Mycogen	5N452R2	4.5	RR2Y	I	MB	M	LT
Mycogen	5N479R2	4.7	RR2Y/STS	I	M	M	G
NK	S47-K5	4.7	RR2Y	I	MB	MT	LT
Pioneer	P47T36R	4.7	RR	I	M	M	LT
Pioneer	P47T89R	4.7	RR	I	M	M	LT
Pioneer	P48T53R	4.8	RR	I	M	M	T
Progeny	P 4788 RY	4.7	RR2Y	I	M	T	LT
Progeny	P 4900 RY	4.9	RR2Y	I	M	M	LT
Terral	REV 47R34	4.7	RR	I	MB	MT	LT
Terral	REV 49R94	4.9	RR	I	MB	M	T

Maturity Group V Roundup Ready 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	51-R50	5.1	RR2Y	I	M	MT	G
Asgrow	AG5233	5.2	RR2Y/STS	I	MB	MT	LT
Asgrow	AG5335	5.3	RR2Y/STS	I	MB	T	LT
Asgrow	AG5535	5.5	RR2Y	D	B	M	T
Credenz	HBK RY5421	5.4	RR2Y/STS	D	B	MT	G
Croplan	R2C5081	5.0	RR2Y	D	M	M	G
Delta Grow	DG 5575R2Y	5.5	RR2Y	D	M	M	T
Dyna-Gro	32RY55	5.5	RR2Y	D	MB	M	G
Dyna-Gro	39RY57	5.7	RR2Y	D	MB	M	T
Mycogen	5N522R2	5.2	RR2Y	D	MB	MT	LT
NK	S55-Q3	5.5	RR2Y	D	M	M	T
Pioneer	P50T64R	5.0	RR	I	M	M	T
Progeny	P 5333 RY	5.3	RR2Y	D	M	M	G
Progeny	P 5555 RY	5.5	RR2Y	D	B	MT	T
Terral	REV 52A94	5.2	RR/STS	D	MB	MT	G
Terral	REV 55R53	5.5	RR	D	MB	MT	T

<sup>1</sup>RR = Roundup Ready; RR2Y = Roundup Ready 2 Yield; 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

Maturity Group IV LibertyLink 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	440L	4.4	LL	I	B	S	T
Credenz	CZ 4748 LL	4.7	LL	I	B	MT	LT
Credenz	HBK LL4953	4.9	LL	I	MB	MT	G
Delta Grow	DG 4967LL	4.9	LL	I	SB	T	T
Delta Grow	DG 4981LL	4.9	LL	I	SB	T	T
Progeny	P 4928 LL	4.9	LL	I	M	MT	G
Progeny	P 4930 LL	4.9	LL	I	M	T	G

Maturity Group V LibertyLink 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	501L	5.0	LL	I	B	T	G
Credenz	CZ 5150 LL	5.1	LL	D	B	MT	G
Credenz	CZ 5225 LL	5.2	LL/STS	D	M	M	T
Delta Grow	DG 5067LL	5.0	LL	D	M	MT	LT
Progeny	P 5160 LL	5.1	LL	D	M	M	T

<sup>1</sup>LL = LibertyLink; STS = sulfonylurea 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 RR Varieties Summarized Across Irrigated Locations**

Total number of locations: 6										
Planting date range: 1-May-15 to 8-June-15										
Brand	Variety	Avg. plant height (inches)	Avg. lodging score <sup>1</sup> (0 to 10)	Avg. shattering score <sup>1</sup> (0 to 10)	Avg. green stem score <sup>1</sup> (0 to 10)	Avg. seed moisture (%)	Average yield <sup>2</sup> (bu/acre)			
Armor	49R-56	42	2	0	2	11.7	68.8			
Asgrow	AG4632	42	2	2	1	11.4	67.4			
Asgrow	AG4835	43	2	0	2	11.4	67.0			
Credenz	CZ 4590 RY	44	1	0	1	11.1	63.6			
Croplan	R2C4541	43	2	0	1	11.4	65.7			
Delta Grow	DG 4670R2Y <sup>3</sup>	-	-	-	-	-	-			
Dyna-Gro	31RY45	43	2	0	1	11.1	68.0			
Mycogen	5N452R2	42	2	0	1	11.0	67.2			
Mycogen	5N479R2 <sup>3</sup>	-	-	-	-	-	-			
NK	S47-K5	42	2	0	2	11.2	68.6			
Pioneer	P47T36R <sup>3</sup>	-	-	-	-	-	-			
Pioneer	P47T89R <sup>3</sup>	-	-	-	-	-	-			
Pioneer	P48T53R <sup>3</sup>	-	-	-	-	-	-			
Progeny	P 4788 RY	49	1	0	2	10.5	68.9			
Progeny	P 4900 RY	40	1	0	2	10.9	68.3			
Terral	REV 47R34	42	2	0	2	11.2	66.8			
Terral	REV 49R94	42	2	0	1	10.5	67.0			
<b>Average across all irrigated locations:</b>						<b>11.1</b>	<b>67.3</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%.  
<sup>3</sup>Variety not planted/harvested at all locations. See individual location tables for complete data.

Maturity Group IV RR Varieties Summarized Across Non-irrigated Locations									
Total number of locations: 2									
Planting date range: 8-May-15 to 8-June-15									
Brand	Variety	Avg. plant height (inches)	Avg. lodging score <sup>1</sup> (0 to 10)	Avg. shattering score <sup>1</sup> (0 to 10)	Avg. green stem score <sup>1</sup> (0 to 10)	Avg. seed moisture (%)	Average yield <sup>2</sup> (bu/acre)		
Armor	49R56	33	1	0	3	11.0	42.3		
Asgrow	AG4632	36	1	1	3	11.2	41.6		
Asgrow	AG4835	37	2	0	1	11.7	44.3		
Credenz	HBK RY4721	39	1	2	2	11.0	39.9		
Croplan	R2C4541	34	2	1	1	11.6	47.6		
Delta Grow	DG 4765R2Y	39	1	0	2	10.9	40.8		
Dyna-Gro	31RY45	38	1	1	2	11.5	42.4		
Mycogen	5N452R2	33	2	1	2	11.5	40.7		
Mycogen	5N479R2	37	2	0	1	11.2	44.6		
NK	S47-K5	28	1	1	3	11.5	45.7		
Pioneer	P47T36R <sup>3</sup>	-	-	-	-	-	-		
Pioneer	P47T89R <sup>3</sup>	-	-	-	-	-	-		
Progeny	P 4788 RY	40	1	1	2	11.2	40.2		
Progeny	P 4900 RY	33	0	0	3	11.3	45.0		
Terral	REV 47R34	37	3	1	3	11.0	47.3		
Terral	REV 49R94 <sup>3</sup>	-	-	-	-	-	-		
<b>Average across all non-irrigated locations:</b>						<b>11.2</b>	<b>43.3</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%.

<sup>3</sup>Variety not planted/harvested at all locations. See individual location tables for complete data.



**Maturity Group V RR Varieties Summarized Across Irrigated Locations**

**Total number of locations:** 3

**Planting date range:** 5-May-15 to 4-June-15

Brand	Variety	Avg. plant height (inches)	Avg. lodging score <sup>1</sup> (0 to 10)	Avg. shattering score <sup>1</sup> (0 to 10)	Avg. green stem score <sup>1</sup> (0 to 10)	Avg. seed moisture (%)	Average yield <sup>2</sup> (bu/acre)	
Armor	51-R50	45	1	0	4	11.1	62.6	
Asgrow	AG5233	46	2	0	1	10.6	62.2	
Asgrow	AG5335	49	2	0	1	11.4	53.2	
Credenz	HBK RY5421	43	2	0	1	12.8	64.1	
Croplan	R2C5081	42	2	0	3	10.0	61.4	
Delta Grow	DG 5575R2Y <sup>3</sup>	-	-	-	-	-	-	
Dyna-Gro	32RY55	47	1	0	1	11.8	64.4	
Dyna-Gro	39RY57	42	2	0	0	11.5	58.3	
Mycogen	5N522R2	40	1	0	1	10.0	64.5	
NK	S55-Q3	45	2	0	1	12.0	65.9	
Pioneer	P50T64R	43	2	0	2	10.3	64.5	
Progeny	P 5333 RY	42	1	0	1	11.5	60.3	
Progeny	P 5555 RY	43	2	0	4	12.8	62.0	
Terral	REV 52A94	39	2	0	1	11.7	61.2	
Terral	REV 55R53	40	2	0	2	11.3	59.0	
<b>Average across all irrigated locations:</b>							<b>11.3</b>	<b>61.7</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%.

<sup>3</sup>Variety not planted/harvested at all locations. See individual location tables for complete data.

Maturity Group V RR Varieties Summarized Across Non-irrigated Locations									
Total number of locations: 3									
Planting date range: 13-May-15 to 14 May-15									
Brand	Variety	Avg. plant height (inches)	Avg. lodging score <sup>1</sup> (0 to 10)	Avg. shattering score <sup>1</sup> (0 to 10)	Avg. green stem score <sup>1</sup> (0 to 10)	Avg. seed moisture (%)	Average yield <sup>2</sup> (bu/acre)		
Armor	51-R50 <sup>3</sup>	-	-	-	-	-	-		
Asgrow	AG5335	36	2	1	1	13.1	41.8		
Asgrow	AG5535 <sup>3</sup>	-	-	-	-	-	-		
Credenz	HBK RY5421	36	2	0	0	13.2	43.7		
Croplan	R2C5081	31	1	1	1	13.3	43.5		
Delta Grow	DG 5575R2Y	34	1	1	1	12.6	41.5		
Dyna-Gro	32RY55	39	1	1	1	12.2	44.8		
Dyna-Gro	39RY57	37	2	1	3	12.0	48.2		
Mycogen	5N522R2 <sup>3</sup>	-	-	-	-	-	-		
NK	S55-Q3 <sup>3</sup>	-	-	-	-	-	-		
Pioneer	P50T64R	35	1	1	1	13.3	46.7		
Progeny	P 5333 RY	37	1	1	1	13.4	40.0		
Progeny	P 5555 RY	35	1	1	2	13.9	37.4		
Terral	REV 52A94	35	1	1	1	13.4	44.7		
Terral	REV 55R53	35	2	1	3	11.7	49.4		
<b>Average across all non-irrigated locations:</b>						<b>12.9</b>	<b>43.8</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%.

<sup>3</sup>Variety not planted/harvested at all locations. See individual location tables for complete data.

Bolivar County – Irrigated											
Maturity Group IV Roundup Ready											
Brand	Variety	Final height (inches)	Lodging score (0 to 10) <sup>6</sup>	Shattering score (0 to 10) <sup>6</sup>	Green stem score (0 to 10) <sup>6</sup>	Disease ratings				Seed moisture (%)	Yield <sup>5</sup> (bu/acre)
						CLB <sup>1</sup> (0 to 9) <sup>7</sup>	FLS <sup>2</sup> (0 to 9) <sup>7</sup>	SBS <sup>3</sup> (0 to 9) <sup>7</sup>	TS <sup>4</sup> (0 to 9) <sup>7</sup>		
Armor	49-R56	47	1	1	2	5	3	4	4	10.6	71.7
Asgrow	AG4632	44	2	5	0	6	0	6	6	13.1	68.9
Asgrow	AG4835	45	1	0	0	5	1	5	4	10.8	65.9
Credenz	CZ 4590 RY	42	2	0	0	6	3	4	4	12.8	64.0
Croplan	R2C4541	38	2	1	0	5	1	5	5	11.6	66.7
Dyna-Gro	31RY45	40	2	0	0	6	1	5	4	12.5	70.4
Mycogen	5N452R2	42	3	0	0	5	1	6	4	11.4	67.7
NK	S47-K5	37	1	0	1	5	0	4	3	12.3	74.2
Pioneer	P48T53R	41	1	0	1	6	0	6	6	13.1	72.5
Progeny	P 4788 RY	53	1	1	1	6	-	5	5	10.7	65.0
Progeny	P 4900 RY	37	2	1	1	5	3	4	4	12.7	69.5
Terral	REV 47R34	47	2	1	1	6	0	5	6	12.4	67.7
Terral	REV 49R94	40	2	0	0	5	1	5	5	10.3	71.1
<b>Plot Average:</b>											
<b>11.9</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>Soybean yield adjusted to standard moisture content of 13.0%.

<sup>6</sup>Scores rated on scale of 0–10 with 0 being excellent and 10 being poor at harvest.

<sup>7</sup>Scores rated on scale of 0–9 with 0 being excellent and 9 being most severe.

**Coahoma County – Irrigated**

**Maturity Group IV Roundup Ready**

Brand	Variety	Final height (inches)	Lodging score (0 to 10) <sup>6</sup>	Shattering score (0 to 10) <sup>6</sup>	Green stem score (0 to 10) <sup>6</sup>	Disease ratings			Seed moisture (%)	Yield <sup>5</sup> (inches)
						CLB <sup>1</sup> (0 to 9) <sup>7</sup>	FLS <sup>2</sup> (0 to 9) <sup>7</sup>	SBS <sup>3</sup> (0 to 9) <sup>7</sup>		
Armor	49R56	28	0	0	3	-	-	-	9.8	71.2
Asgrow	AG4632	26	0	1	1	-	-	-	9.7	65.9
Asgrow	AG4835	29	0	0	1	-	-	-	9.6	71.8
Credenz	CZ 4590 RY	31	0	1	0	-	-	-	9.6	59.6
Croplan	R2C4541	29	0	1	1	-	-	-	9.7	61.5
Dyna-Gro	3 1RY45	29	0	0	1	-	-	-	9.8	64.3
Mycogen	5N452R2	27	0	0	3	-	-	-	9.8	68.5
Mycogen	5N479R2	34	0	1	0	-	-	-	9.4	64.1
NK	S47-K5	29	0	0	2	-	-	-	10.2	63.1
Pioneer	P47T89R	24	0	0	2	-	-	-	9.2	68.0
Progeny	P 4788 RY	30	1	0	1	-	-	-	9.4	71.2
Progeny	P 4900 RY	30	0	0	3	-	-	-	9.8	67.4
Terral	REV 47R34	23	0	0	3	-	-	-	10.2	67.7
Terral	REV 49R94	34	1	1	0	-	-	-	9.7	68.8
<b>Plot Average:</b>										
<b>9.7</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>Soybean yield adjusted to standard moisture content of 13.0%.

<sup>6</sup>Scores rated on scale of 0–10 with 0 being excellent and 10 being poor at harvest.

<sup>7</sup>Scores rated on scale of 0–9 with 0 being most severe.

Humphreys County – Irrigated											
Maturity Group IV Roundup Ready											
Brand	Variety	Final height (inches)	Lodging score (0 to 10) <sup>6</sup>	Shattering score (0 to 10) <sup>6</sup>	Green stem score (0 to 10) <sup>6</sup>	Disease ratings				Seed moisture (%)	Yield <sup>5</sup> (bu/acre)
						CLB <sup>1</sup> (0 to 9) <sup>7</sup>	FLS <sup>2</sup> (0 to 9) <sup>7</sup>	SBS <sup>3</sup> (0 to 9) <sup>7</sup>	TS <sup>4</sup> (0 to 9) <sup>7</sup>		
Armor	49R-56	46	1	0	1	6	2	5	5	11.6	79.2
Asgrow	AG4632	45	1	1	1	6	0	5	5	14.5	68.3
Asgrow	AG4835	45	3	0	4	6	2	5	5	13.9	71.6
Credenz	CZ 4590 RY	45	1	0	2	5	1	5	5	14.8	66.5
Croplan	R2C4541	41	3	0	1	6	2	5	5	15.0	64.7
Delta Grow	DG 4670R2Y	41	0	0	2	-	2	5	5	13.4	71.4
Dyna-Gro	31RY45	43	1	0	3	7	2	4	4	14.6	66.5
Mycogen	5N452R2	49	2	1	2	5	2	5	5	14.5	69.9
Mycogen	5N479R2	49	0	0	1	6	2	5	5	13.7	68.4
NK	S47-K5	47	1	0	4	7	1	4	4	13.9	73.3
Pioneer	P47T89R	47	2	0	2	6	1	5	5	11.6	76.0
Progeny	P 4788 RY	50	0	0	7	6	-	5	5	12.0	72.9
Progeny	P 4900 RY	42	0	0	2	5	4	4	4	11.8	79.5
Terral	REV 47R34	47	3	0	4	7	1	6	5	11.7	79.3
Terral	REV 49R94	37	1	0	3	5	1	5	5	11.7	75.8
<b>Plot Average:</b>											
<b>13.2</b>											
<b>72.2</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>Soybean yield adjusted to standard moisture content of 13.0%.

<sup>6</sup>Scores rated on scale of 0–10 with 0 being excellent and 10 being poor at harvest.

<sup>7</sup>Scores rated on scale of 0–9 with 0 being excellent and 9 being most severe.

Oktribbeha County – Irrigated										
Maturity Group IV Roundup Ready										
Brand	Variety	Final height (inches)	Lodging score (0 to 10) <sup>6</sup>	Shattering score (0 to 10) <sup>6</sup>	Green stem score (0 to 10) <sup>6</sup>	Disease ratings			Seed moisture (%)	Yield <sup>5</sup> (bu/acre)
						CLB <sup>1</sup> (0 to 9) <sup>7</sup>	FLS <sup>2</sup> (0 to 9) <sup>7</sup>	SBS <sup>3</sup> (0 to 9) <sup>7</sup>		
Armor	49R-56	38	1	0	0	-	-	-	14.0	52.7
Asgrow	AG4632	43	1	0	1	-	-	-	13.3	50.8
Asgrow	AG4835	46	0	0	0	-	-	-	13.5	51.0
Credenz	CZ 4590 RY	45	0	0	0	-	-	-	13.5	50.6
Croplan	R2C4541	45	2	0	0	-	-	-	13.6	50.4
Delta Grow	DG 4670R2Y	43	1	0	0	-	-	-	13.8	51.1
Dyna-Gro	31RY45	46	2	0	0	-	-	-	13.8	51.0
Mycogen	5N452R2	41	1	0	0	-	-	-	13.7	52.1
Mycogen	5N479R2	48	1	0	0	-	-	-	13.7	53.1
NK	S47-K5	40	0	0	1	-	-	-	13.7	52.1
Pioneer	P47T36R	44	1	0	1	-	-	-	13.7	54.5
Progeny	P 4788 RY	50	1	0	0	-	-	-	13.8	57.0
Progeny	P 4900 RY	39	1	0	1	-	-	-	13.9	50.6
Terral	REV 47R34	44	1	0	1	-	-	-	13.4	53.8
Terral	REV 49R94	45	1	0	0	-	-	-	13.0	51.5
<b>Plot Average:</b>										
<b>13.6</b>										
<b>52.1</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>Soybean yield adjusted to standard moisture content of 13.0%.

<sup>6</sup>Scores rated on scale of 0–10 with 0 being excellent and 10 being poor at harvest.

<sup>7</sup>Scores rated on scale of 0–9 with 0 being excellent and 9 being most severe.

Sharkey County – Irrigated											
Maturity Group IV Roundup Ready											
Brand	Variety	Final height (inches)	Lodging score (0 to 10) <sup>6</sup>	Shattering score (0 to 10) <sup>6</sup>	Green stem score (0 to 10) <sup>6</sup>	Disease ratings				Seed moisture (%)	Yield <sup>5</sup> (bu/acre)
						CLB <sup>1</sup> (0 to 9) <sup>7</sup>	FLS <sup>2</sup> (0 to 9) <sup>7</sup>	SBS <sup>3</sup> (0 to 9) <sup>7</sup>	TS <sup>4</sup> (0 to 9) <sup>7</sup>		
Armor	49R56	49	4	-	-	7	2	6	5	8.0	57.5
Asgrow	AG4632	54	4	-	-	7	0	6	6	6.4	65.8
Asgrow	AG4835	52	4	-	-	7	3	6	5	6.1	60.2
Credenz	CZ 4590 RY	56	2	-	-	7	4	5	3	6.0	65.7
Croplan	R2C4541	54	4	-	-	7	1	6	5	7.4	69.0
Delta Grow	DG 4670R2Y	55	3	-	-	7	2	6	5	9.4	61.0
Dyna-Gro	31RY45	53	2	-	-	8	2	7	3	5.5	73.3
Mycogen	5N452R2	48	5	-	-	8	2	7	6	5.9	64.0
Mycogen	5N479R2	58	6	-	-	7	2	6	6	5.9	73.8
NK	S47-K5	51	5	-	-	7	1	6	3	6.2	66.1
Pioneer	P48T53R	43	5	-	-	7	1	6	5	7.0	64.1
Progeny	P 4788 RY	58	1	-	-	7	1	6	5	6.8	67.0
Progeny	P 4900 RY	51	3	-	-	6	4	5	4	5.3	65.2
Terral	REV 47R34	50	4	-	-	8	1	7	5	9.2	55.8
Terral	REV 49R94	52	3	-	-	7	2	6	5	6.6	56.2
<b>Plot Average:</b>											
<b>6.8</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>Soybean yield adjusted to standard moisture content of 13.0%.

<sup>6</sup>Scores rated on scale of 0–10 with 0 being excellent and 10 being poor at harvest.

<sup>7</sup>Scores rated on scale of 0–9 with 0 being excellent and 9 being most severe.

Sunflower County – Irrigated											
Maturity Group IV Roundup Ready											
Brand	Variety	Final height (inches)	Lodging score (0 to 10) <sup>6</sup>	Shattering score (0 to 10) <sup>6</sup>	Green stem score (0 to 10) <sup>6</sup>	Disease ratings				Seed moisture (%)	Yield <sup>5</sup> (bu/acre)
						CIB <sup>1</sup> (0 to 9) <sup>7</sup>	FLS <sup>2</sup> (0 to 9) <sup>7</sup>	SBS <sup>3</sup> (0 to 9) <sup>7</sup>	TS <sup>4</sup> (0 to 9) <sup>7</sup>		
Armor	49R56	43	2	0	3	7	3	5	6	16.0	80.8
Asgrow	AG4632	43	2	1	2	7	0	6	5	11.5	84.8
Asgrow	AG4835	44	2	1	3	7	2	5	5	14.6	81.4
Credenz	CZ 4590 RY	44	1	1	2	7	4	5	5	9.9	75.3
Croplan	R2C4541	49	2	0	2	7	-	6	6	11.3	81.9
Delta Grow	DG 4670R2Y	46	2	1	2	6	1	5	5	11.0	81.2
Dyna-Gro	31RY45	50	2	1	2	7	2	6	6	10.3	82.7
Mycogen	5N452R2	43	2	1	2	7	2	5	5	10.8	81.0
Mycogen	5N479R2	45	2	1	1	7	2	6	5	11.2	77.1
NK	S47-K5	48	2	1	2	7	2	6	6	11.1	83.0
Pioneer	P47T89R	46	2	1	2	7	1	5	.	10.1	82.7
Progeny	P 4788 RY	52	2	0	3	6	1	5	5	10.6	80.3
Progeny	P 4900 RY	42	2	1	4	7	4	5	5	11.7	77.7
Terral	REV 47R34	40	2	0	3	7	1	6	4	10.5	76.4
Terral	REV 49R94	42	2	1	3	6	3	5	5	11.7	78.6
<b>Plot Average:</b>											
<b>11.5</b>											
<b>80.3</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>Soybean yield adjusted to standard moisture content of 13.0%.

<sup>6</sup>Scores rated on scale of 0–10 with 0 being excellent and 10 being poor at harvest.

<sup>7</sup>Scores rated on scale of 0–9 with 0 being excellent and 9 being most severe.



Leflore County – Irrigated											
Maturity Group V Roundup Ready											
Brand	Variety	Final height (inches)	Lodging score (0 to 10) <sup>6</sup>	Shattering score (0 to 10) <sup>6</sup>	Green stem score (0 to 10) <sup>6</sup>	Disease ratings				Seed moisture (%)	Yield <sup>5</sup> (bu/acre)
						CLB <sup>1</sup> (0 to 9) <sup>7</sup>	FLS <sup>2</sup> (0 to 9) <sup>7</sup>	SBS <sup>3</sup> (0 to 9) <sup>7</sup>	TS <sup>4</sup> (0 to 9) <sup>7</sup>		
Armor	51-R50	42	0	0	7	1	7	5	5	14.1	71.0
Asgrow	AG5233	41	2	0	1	7	7	5	5	12.0	62.1
Asgrow	AG5335	46	2	0	1	7	7	6	3	12.6	54.0
Credenz	HBK RY5421	42	0	0	0	0	6	7	4	11.5	72.8
Croplan	R2C5081	36	0	0	4	0	7	7	6	12.1	63.5
Delta Grow	DG 5575R2Y	38	0	0	3	1	6	7	3	12.6	69.9
Dyna-Gro	32RY55	49	0	0	0	2	6	6	3	11.3	65.6
Dyna-Gro	39RY57	38	0	0	0	4	6	7	5	11.3	63.3
Mycogen	5N522R2	30	0	0	1	0	6	6	3	11.4	71.5
NK	S55-Q3	49	0	0	1	1	7	7	3	11.8	70.4
Pioneer	P50T64R	39	1	0	3	4	7	5	3	11.5	70.4
Progeny	P 5333 RY	41	0	0	2	5	6	7	4	11.3	62.4
Progeny	P 5555 RY	37	0	0	7	2	6	7	5	14.4	65.4
Terral	REV 52A94	36	1	0	0	0	6	3	6	11.6	71.2
Terral	REV 55R53	41	0	0	2	5	7	7	3	11.2	61.8
<b>Plot Average:</b>											
1Cercospora 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).											
2Frogeye leaf spot severity ratings.											
3Septoria 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).											
4Target spot severity ratings based on progression of disease from the lower canopy (0–3), to mid-canopy (4–6), to upper-canopy (7–9).											
5Soybean yield adjusted to standard moisture content of 13.0%.											
6Scores rated on scale of 0–10 with 0 being excellent and 10 being poor at harvest.											
7Scores rated on scale of 0–9 with 0 being excellent and 9 being most severe.											

**Oktribeha County – Irrigated**

**Maturity Group V Roundup Ready**

Brand	Variety	Final height (inches)	Lodging score (0 to 10) <sup>6</sup>	Shattering score (0 to 10) <sup>6</sup>	Green stem score (0 to 10) <sup>6</sup>	Disease ratings			Seed Moisture (%)	Yield <sup>5</sup> (bu/acre)
						CLB <sup>1</sup> (0 to 9) <sup>7</sup>	FLS <sup>2</sup> (0 to 9) <sup>7</sup>	SBS <sup>3</sup> (0 to 9) <sup>7</sup>		
Armor	51-R50	38	0	0	0	-	-	-	13.2	50.2
Asgrow	AG5233	42	1	0	1	-	-	-	12.4	51.1
Asgrow	AG5335	44	0	0	0	-	-	-	12.8	43.1
Credenz	HBK RY5421	35	2	0	1	-	-	-	12.9	53.6
Croplan	R2C5081	36	0	0	1	-	-	-	12.6	50.0
Dyna-Gro	32RY55	39	1	0	1	-	-	-	13.1	57.7
Dyna-Gro	39RY57	39	1	0	0	-	-	-	13.2	57.6
Mycogen	5N522R2	40	2	0	1	-	-	-	13.0	57.4
NIK	S55-Q3	40	2	0	1	-	-	-	12.6	58.4
Pioneer	P50T64R	38	0	0	1	-	-	-	12.2	52.4
Progeny	P 5333 RY	39	1	0	0	-	-	-	13.1	50.8
Progeny	P 5555 RY	41	1	0	0	-	-	-	13.3	55.1
Terral	REV 52A94	38	1	0	1	-	-	-	12.8	50.9
Terral	REV 55R53	36	1	0	1	-	-	-	12.3	53.2
<b>Plot Average:</b>										
<b>12.8</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>Soybean yield adjusted to standard moisture content of 13.0%.

<sup>6</sup>Scores rated on scale of 0–10 with 0 being excellent and 10 being poor at harvest.

<sup>7</sup>Scores rated on scale of 0–9 with 0 being excellent and 9 being most severe.

Sharkey County – Irrigated											
Maturity Group V Roundup Ready											
Brand	Variety	Final height (inches)	Lodging score (0 to 10) <sup>6</sup>	Shattering score (0 to 10) <sup>6</sup>	Green stem score (0 to 10) <sup>6</sup>	Disease ratings				Seed moisture (%)	Yield <sup>5</sup> (bu/acre)
						CLB <sup>1</sup> (0 to 9) <sup>7</sup>	FLS <sup>2</sup> (0 to 9) <sup>7</sup>	SBS <sup>3</sup> (0 to 9) <sup>7</sup>	TS <sup>4</sup> (0 to 9) <sup>7</sup>		
Armor	51-R50	55	4	-	-	6	1	6	4	6.1	66.5
Asgrow	AG5233	54	3	-	-	7	7	5	4	7.3	73.5
Asgrow	AG5335	57	3	-	-	6	5	5	5	8.7	62.4
Credenz	HBK RY5421	52	5	-	-	-	-	-	-	14.1	65.7
Croplan	R2C5081	55	5	-	-	6	2	6	5	5.3	70.8
Delta Grow	DG 5575R2Y	51	2	-	-	7	1	5	5	10.5	63.7
Dyna-Gro	32RY55	54	2	-	-	6	1	6	5	10.9	69.8
Dyna-Gro	39RY57	49	6	-	-	6	3	5	5	10.0	53.9
Mycogen	5N522R2	51	2	-	-	6	1	6	5	5.5	64.6
NK	S55-Q3	47	4	-	-	6	2	5	5	11.7	68.8
Pioneer	P50T64R	53	4	-	-	6	3	5	3	7.3	70.8
Progeny	P 5333 RY	48	3	-	-	6	3	6	5	10.2	67.6
Progeny	P 5555 RY	50	5	-	-	6	1	5	5	10.6	65.5
Terral	REV 52A94	44	3	-	-	6	1	6	5	10.7	61.4
Terral	REV 55R53	45	4	-	-	6	3	5	4	10.3	62.0
<b>Plot Average:</b>										<b>9.3</b>	<b>65.8</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>Soybean yield adjusted to standard moisture content of 13.0%.

<sup>6</sup>Scores rated on scale of 0–10 with 0 being excellent and 10 being poor at harvest.

<sup>7</sup>Scores rated on scale of 0–9 with 0 being excellent and 9 being most severe.

**Marshall County – Non-irrigated**

**Maturity Group IV Roundup Ready**

Brand	Variety	Final height (inches)	Lodging score (0 to 10) <sup>6</sup>	Shattering score (0 to 10) <sup>6</sup>	Green stem score (0 to 10) <sup>6</sup>	Disease ratings				Seed moisture (%)	Yield <sup>5</sup> (bu/acre)	
						CLB <sup>1</sup> (0 to 9) <sup>7</sup>	FLS <sup>2</sup> (0 to 9) <sup>7</sup>	SBS <sup>3</sup> (0 to 9) <sup>7</sup>	TS <sup>4</sup> (0 to 9) <sup>7</sup>			
Armor	49R56	34	1	0	1	-	-	-	-	11.9	35.9	
Asgrow	AG4632	37	1	0	2	-	-	-	-	12.5	35.8	
Asgrow	AG4835	39	1	0	0	-	-	-	-	11.5	41.6	
Credenz	HBK RY4721	44	0	0	2	-	-	-	-	12.5	35.9	
Croplan	R2C4541	36	2	0	0	-	-	-	-	13.0	44.7	
Delta Grow	DG 4765R2Y	42	0	0	2	-	-	-	-	12.3	35.6	
Dyna-Gro	31RY45	43	0	0	1	-	-	-	-	12.9	37.7	
Mycogen	5N452R2	37	2	0	0	-	-	-	-	12.9	33.0	
Mycogen	5N479R2	39	0	0	1	-	-	-	-	12.2	41.2	
NK	S47K5	29	0	0	3	-	-	-	-	12.6	43.6	
Pioneer	P47T36R	31	0	0	5	-	-	-	-	12.0	36.7	
Progeny	P 4788 RY	45	0	0	1	-	-	-	-	12.6	34.3	
Progeny	P 4900 RY	34	0	0	1	-	-	-	-	11.8	37.7	
Terral	REV 47R34	38	2	0	1	-	-	-	-	11.9	42.6	
<b>Plot Average:</b>											<b>12.3</b>	<b>38.3</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>Soybean yield adjusted to standard moisture content of 13.0%.

<sup>6</sup>Scores rated on scale of 0–10 with 0 being excellent and 10 being poor at harvest.

<sup>7</sup>Scores rated on scale of 0–9 with 0 being excellent and 9 being most severe.

Noxubee County – Non-irrigated											
Maturity Group IV Roundup Ready											
Brand	Variety	Final height (inches)	Lodging score (0 to 10) <sup>6</sup>	Shattering score (0 to 10) <sup>6</sup>	Green stem score (0 to 10) <sup>6</sup>	Disease ratings				Seed Moisture (%)	Yield <sup>5</sup> (bu/acre)
						CLB <sup>1</sup> (0 to 9) <sup>7</sup>	FLS <sup>2</sup> (0 to 9) <sup>7</sup>	SBS <sup>3</sup> (0 to 9) <sup>7</sup>	TS <sup>4</sup> (0 to 9) <sup>7</sup>		
Armor	49R56	33	1	0	4	7	5	5	3	10.0	48.7
Asgrow	AG4632	34	1	1	4	7	0	6	5	9.8	47.4
Asgrow	AG4835	35	2	1	1	6	3	5	4	11.9	47.1
Credenz	HBK RY4721	35	1	3	1	8	1	5	3	9.5	43.9
Croplan	R2C4541	31	1	1	2	7	1	6	5	10.1	50.4
Delta Grow	DG 4765R2Y	36	1	0	1	6	2	4	4	9.5	46.0
Dyna-Gro	31RY45	34	2	1	2	8	1	5	4	10.0	47.1
Mycogen	5N452R2	29	1	1	3	7	0	5	5	10.0	48.5
Mycogen	5N479R2	36	3	0	1	7	3	5	3	10.1	47.9
NK	S47-K5	28	1	1	3	7	1	6	4	10.3	47.8
Pioneer	P47T89R	34	4	0	7	7	1	5	5	8.7	49.7
Progeny	P 4788 RY	35	2	1	3	7	1	5	4	9.8	46.1
Progeny	P 4900 RY	33	0	0	5	6	3	5	5	10.7	52.3
Terral	REV 47R34	36	3	1	4	7	1	3	3	10.0	51.9
Terral	REV 49R94	35	0	0	7	6	1	5	2	11.1	53.1
<b>Plot Average:</b>											
<b>10.1</b>											
<b>48.5</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>Soybean yield adjusted to standard moisture content of 13.0%.

<sup>6</sup>Scores rated on scale of 0–10 with 0 being excellent and 10 being poor at harvest.

<sup>7</sup>Scores rated on scale of 0–9 with 0 being excellent and 9 being most severe.

**Clay County – Non-irrigated**

Brand	Variety	Final height (inches)	Lodging score (0 to 10) <sup>6</sup>	Shattering score (0 to 10) <sup>6</sup>	Green stem score (0 to 10) <sup>6</sup>	Disease ratings				Seed moisture (%)	Yield <sup>5</sup> (bu/acre)	
						CLB <sup>1</sup> (0 to 9) <sup>7</sup>	FLS <sup>2</sup> (0 to 9) <sup>7</sup>	SBS <sup>3</sup> (0 to 9) <sup>7</sup>	TS <sup>4</sup> (0 to 9) <sup>7</sup>			
Armor	51-R50 <sup>8</sup>	44	1	2	1	7	3	6	4	-	-	
Asgrow	AG5335	41	2	1	0	-	-	-	-	10.8	26.3	
Asgrow	AG5535	43	1	0	0	7	3	5	4	10.7	31.9	
Credenz	HBK RY5421	43	1	0	0	6	1	3	3	10.4	22.7	
Croplan	R2C5081	37	1	1	1	7	2	5	4	10.5	29.7	
Delta Grow	DG 5575R2Y	38	1	1	0	6	1	4	2	10.3	26.2	
Dyna-Gro	32RY55	46	1	1	0	7	1	5	4	10.9	30.4	
Dyna-Gro	39RY57	46	3	1	0	6	1	6	3	10.9	39.0	
Mycogen	5N52R2 <sup>8</sup>	37	0	2	0	6	1	6	5	-	-	
NK	S55-Q3	47	1	1	0	6	1	5	4	10.6	34.2	
Pioneer	P50T64R	40	0	2	0	7	3	6	5	10.7	31.9	
Progeny	P 5333 RY	40	1	1	0	7	0	6	3	11.0	20.2	
Progeny	P 5555 RY	40	1	2	0	6	0	5	4	11.2	15.9	
Terral	REV 52A94	39	1	1	0	7	0	5	4	10.6	31.7	
Terral	REV 55R53	43	2	1	0	6	2	6	5	10.4	35.5	
<b>Plot Average:</b>											<b>10.7</b>	<b>28.9</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>Soybean yield adjusted to standard moisture content of 13.0%.

<sup>6</sup>Scores rated on scale of 0–10 with 0 being excellent and 10 being poor at harvest.

<sup>7</sup>Scores rated on scale of 0–9 with 0 being excellent and 9 being most severe.

<sup>8</sup>Variety not harvested at this location.

Hinds County – Non-irrigated											
Maturity Group V Roundup Ready											
Brand	Variety	Final height (inches)	Lodging score (0 to 10) <sup>6</sup>	Shattering score (0 to 10) <sup>6</sup>	Green stem score (0 to 10) <sup>6</sup>	Disease ratings			Seed moisture (%)	Yield <sup>5</sup> (bu/acre)	
						CLB <sup>1</sup> (0 to 9) <sup>7</sup>	FLS <sup>2</sup> (0 to 9) <sup>7</sup>	SBS <sup>3</sup> (0 to 9) <sup>7</sup>			TS <sup>4</sup> (0 to 9) <sup>7</sup>
Armor	51-R50	34	1	0	0	0	0	5	5	19.0	57.9
Asgrow	AG5335	34	1	0	1	-	-	-	-	17.6	60.6
Asgrow	AG5535	30	1	0	1	1	1	5	5	19.5	62.3
Credenz	HBK RY5421	35	3	0	0	0	0	5	5	18.7	70.1
Croplan	R2C5081	26	0	0	0	0	0	7	7	18.5	53.2
Delta Grow	DG 5575R2Y	30	1	0	2	0	0	6	5	17.0	61.5
Dyna-Gro	32RY55	36	0	0	1	0	0	6	6	14.9	65.2
Dyna-Gro	39RY57	29	1	0	6	0	0	6	6	14.8	63.9
Mycogen	5N522R2	23	0	0	0	0	0	6	7	19.6	54.8
Pioneer	P50T64R	33	2	0	1	0	0	5	5	18.5	63.1
Progeny	P 5333 RY	42	1	0	1	1	1	6	7	18.7	61.5
Progeny	P 5555 RY	35	1	0	3	0	0	6	6	20.0	59.8
Terral	REV 52A94	34	1	0	1	0	0	6	7	19.0	55.2
Terral	REV 55R53	30	1	0	6	0	0	6	5	14.1	68.4
<b>Plot Average:</b>										<b>17.8</b>	<b>61.3</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>Soybean yield adjusted to standard moisture content of 13.0%.

<sup>6</sup>Scores rated on scale of 0–10 with 0 being excellent and 10 being poor at harvest.

<sup>7</sup>Scores rated on scale of 0–9 with 0 being most severe and 9 being most severe.

**Monroe County – Non-irrigated**

**Maturity Group V Roundup Ready**

Brand	Variety	Final height (inches)	Lodging score (0 to 10) <sup>6</sup>	Shattering score (0 to 10) <sup>6</sup>	Green stem score (0 to 10) <sup>6</sup>	Disease ratings				Seed moisture (%)	Yield <sup>5</sup> (bu/acre)
						CLB <sup>1</sup> (0 to 9) <sup>7</sup>	FLS <sup>2</sup> (0 to 9) <sup>7</sup>	SBS <sup>3</sup> (0 to 9) <sup>7</sup>	TS <sup>4</sup> (0 to 9) <sup>7</sup>		
Armor	51-R50	24	-	1	-	7	2	6	6	10.6	49.0
Asgrow	AG5335	33	-	1	-	6	3	4	4	11.0	38.6
Credenz	HBK RY5421	29	-	1	-	-	-	-	-	10.5	38.3
Croplan	R2C5081	29	-	1	-	7	0	4	4	10.9	47.6
Delta Grow	DG 5575R2Y	34	-	1	-	7	1	5	5	10.4	36.8
Dyna-Gro	32RY55	36	-	1	-	7	1	4	3	10.7	38.9
Dyna-Gro	39RY57	35	-	1	-	6	1	3	3	10.4	41.5
Mycogen	5N522R2	34	-	1	-	7	1	5	4	10.8	50.1
NIK	S55-Q3	35	-	1	-	6	1	3	3	10.3	44.1
Pioneer	P50T64R	32	-	2	-	7	1	4	4	10.7	45.2
Progeny	P 5333 RY	30	-	1	-	7	1	5	4	10.6	38.2
Progeny	P 5555 RY	31	-	1	-	6	1	4	4	10.4	36.5
Terral	REV 52A94	34	-	1	-	7	0	5	5	10.6	47.1
Terral	REV 55R53	32	-	1	-	6	1	4	4	10.6	44.2
<b>Plot Average:</b>											<b>42.6</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>Soybean yield adjusted to standard moisture content of 13.0%.

<sup>6</sup>Scores rated on scale of 0–10 with 0 being excellent and 10 being poor at harvest.

<sup>7</sup>Scores rated on scale of 0–9 with 0 being most severe.



**Washington County – Irrigated**

**Maturity Group V LibertyLink**

Brand	Variety	Final height (inches)	Lodging score (0 to 10) <sup>6</sup>	Shattering score (0 to 10) <sup>6</sup>	Green stem score (0 to 10) <sup>6</sup>	Disease ratings			Seed moisture (%)	Yield <sup>5</sup> (bu/acre)	
						CLB <sup>1</sup> (0 to 9) <sup>7</sup>	FLS <sup>2</sup> (0 to 9) <sup>7</sup>	SBS <sup>3</sup> (0 to 9) <sup>7</sup>			TS <sup>4</sup> (0 to 9) <sup>7</sup>
Armor	501L	48	2	0	0	1	6	4	6	11.4	63.7
Credenz	CZ 5150 LL	42	1	0	0	1	7	5	7	11.3	66.9
Credenz	CZ 5225 LL	36	0	0	1	1	7	4	6	11.2	69.4
Delta Grow	DG 5067LL	50	2	0	1	1	7	5	7	10.7	67.1
Progeny	P 5160 LL	41	0	0	1	1	6	4	7	11.8	68.8
<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>Soybean yield adjusted to standard moisture content of 13.0%.

<sup>6</sup>Scores rated on scale of 0–10 with 0 being excellent and 10 being poor at harvest.

<sup>7</sup>Scores rated on scale of 0–9 with 0 being most severe.

**Washington County – Irrigated**

**Maturity Group IV LibertyLink**

Brand	Variety	Final height (inches)	Lodging score (0 to 10) <sup>6</sup>	Shattering score (0 to 10) <sup>6</sup>	Green stem score (0 to 10) <sup>6</sup>	Disease ratings			Seed moisture (%)	Yield <sup>5</sup> (bu/acre)	
						CLB <sup>1</sup> (0 to 9) <sup>7</sup>	FLS <sup>2</sup> (0 to 9) <sup>7</sup>	SBS <sup>3</sup> (0 to 9) <sup>7</sup>			TS <sup>4</sup> (0 to 9) <sup>7</sup>
Armor	440L	41	1	0	1	1	0	3	6	10.8	65.5
Credenz	CZ 4748 LL	46	1	0	1	1	7	4	6	11.7	68.2
Delta Grow	DG 4967LL	52	1	0	0	1	7	4	7	11.6	64.2
Delta Grow	DG 4981LL	53	0	1	1	2	7	5	7	10.9	60.9
Hornbeck	HBK LL4953	44	1	0	0	2	7	4	6	11.4	67.9
Progeny	P 4928 LL	49	1	0	1	1	7	5	6	10.4	63.7
Progeny	P 4930 LL	48	1	0	0	1	7	4	6	10.4	66.0
<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>Soybean yield adjusted to standard moisture content of 13.0%.

<sup>6</sup>Scores rated on scale of 0–10 with 0 being excellent and 10 being poor at harvest.

<sup>7</sup>Scores rated on scale of 0–9 with 0 being most severe.

**Madison County – Non-irrigated**

Maturity Group V LibertyLink

Brand	Variety	Final height (inches)	Lodging score (0 to 10) <sup>6</sup>	Shattering score (0 to 10) <sup>6</sup>	Green stem score (0 to 10) <sup>6</sup>	Disease ratings			Seed moisture (%)	Yield <sup>5</sup> (bu/acre)
						CLB <sup>1</sup> (0 to 9) <sup>7</sup>	FLS <sup>2</sup> (0 to 9) <sup>7</sup>	SBS <sup>3</sup> (0 to 9) <sup>7</sup>		
Armor	501L	47	1	1	0	7	0	0	11.5	32.2
Credenz	CZ 5150 LL	40	1	1	1	7	0	0	11.3	34.8
Credenz	CZ 5225 LL	38	0	4	0	6	0	0	11.3	34.8
Delta Grow	DG 5067LL	40	1	1	0	-	-	-	11.0	37.8
Progeny	P 5160 LL	33	1	1	1	-	-	-	12.0	31.5
<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>Soybean yield adjusted to standard moisture content of 13.0%.

<sup>6</sup>Scores rated on scale of 0–10 with 0 being excellent and 10 being poor at harvest.

<sup>7</sup>Scores rated on scale of 0–9 with 0 being excellent and 9 being most severe.

**Madison County – Non-irrigated**

Maturity Group IV LibertyLink

Brand	Variety	Final height (inches)	Lodging score (0 to 10) <sup>6</sup>	Shattering score (0 to 10) <sup>6</sup>	Green stem score (0 to 10) <sup>6</sup>	Disease ratings			Seed moisture (%)	Yield <sup>5</sup> (bu/acre)
						CLB <sup>1</sup> (0 to 9) <sup>7</sup>	FLS <sup>2</sup> (0 to 9) <sup>7</sup>	SBS <sup>3</sup> (0 to 9) <sup>7</sup>		
Armor	440L <sup>8</sup>	32	1	1	0	7	0	0	-	-
Credenz	CZ 4748 LL	44	1	1	1	7	1	0	13.0	33.7
Credenz	HBK LL4953	44	2	1	0	6	0	0	12.9	29.1
Delta Grow	DG 4967LL	51	1	1	0	6	0	0	12.1	26.8
Delta Grow	DG 4981LL	53	1	2	1	6	0	0	12.9	24.7
Progeny	P 4928 LL	46	1	1	1	7	0	0	12.1	29.7
Progeny	P 4930 LL	5	1	1	1	7	0	0	11.7	32.6
<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>Soybean yield adjusted to standard moisture content of 13.0%.

<sup>6</sup>Scores rated on scale of 0–10 with 0 being excellent and 10 being poor at harvest.

<sup>7</sup>Scores rated on scale of 0–9 with 0 being excellent and 9 being most severe.

<sup>8</sup>Variety not harvested at this location.



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