

2020 MSU Extension Soybean Variety Demonstration Program



EXTENSION



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During the 2020 growing season, a total of 26 on-farm soybean variety demonstration plots were successfully conducted. The following information is intended to complement data generated through small-plot OVT testing programs.

2020 Locations		
County	Demonstration Type	Irrigation Method
Bolivar	MG IV RR2X (Mixed/Light Soil)	Furrow
Hinds	MG V RR2X	None
Humphreys	MG IV RR2X (Clay Soil)	Furrow
Itawamba	MG IV & V Enlist E3	None
Lee	MG IV EARLY RR2X	None
Lee	MG IV & V Enlist E3	None
Leflore	MG IV RR2X (Clay Soil)	Furrow
Leflore	MG IV RR2X (Mixed/Light Soil)	Furrow
Lowndes	MG V RR2X	None
Madison	MG IV RR2X (Mixed/Light Soil)	None
Monroe	MG V RR2X	None
Monroe	MG V RR2X	None
Noxubee	MG V RR2X	None
Oktibbeha	MG IV EARLY RR2X	Furrow
Oktibbeha	MG IV RR2X (Mixed/Light Soil)	Furrow
Oktibbeha	MG IV RR2X (Clay Soil)	Furrow
Oktibbeha	MG V RR2X	Furrow
Oktibbeha	MG IV & V Enlist E3	Furrow
Pontotoc	MG IV RR2X (Mixed/Light Soil)	None
Pontotoc	MG IV RR2X (Mixed/Light Soil)	None
Pontotoc	MG V RR2X	None
Pontotoc	MG IV & V Enlist E3	None
Sharkey	MG IV RR2X (Clay Soil)	Furrow
Sunflower	MG IV RR2X (Clay Soil)	Furrow
Washington	MG IV EARLY RR2X	Furrow
Yazoo	MG IV RR2X (Mixed/Light Soil)	Furrow

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

2020 Location Details

County	Plot Type	Planting Date	Seeding Rate	Plot Width	Row Spacing	Tillage System	Soil Series	Irrigation Method	Harvest Date
Bolivar	MG IV (Mixed/Light) RR2X	14-May	135,000	6 twin rows	38"	Conv.	Forestdale silty clay loam	Furrow	5-Nov
Hinds	MG V RR2X	26-May	104,000	6 rows	38"	Conv.	Grenada silt loam	None	16-Oct
Humphreys	MG IV (Mixed/Light) RR2X	21-May	123,000	12 rows	38"	Conv.	Alligator – Dowling clay	Furrow	20-Oct
Itawamba	MG IV & V Enlist E3	18-Jun	110,000	8 rows	38"	No-Till.	Leeper silty clay	None	19-Nov
Lee	MG IV EARLY RR2X	11-May	118,500	8 rows	38"	Conv.	Marietta loam	None	8-Oct
Lee	MG IV & V Enlist E3	11-May	118,500	8 rows	38"	Conv.	Marietta loam	None	8-Oct
Leflore	MG IV (Clay) RR2X	19-May	150,000	6 rows	38"	Conv.	Alligator clay	Furrow	4-Nov
Leflore	MG IV (Mixed/Light) RR2X	4-May	110,000	8 rows	38"	Conv.	Dundee loam	Furrow	21-Sept
Lowndes	MG V RR2X	21-May	102,000	6 rows	30"	Min. Till.	Leeper silty clay	None	8-Oct
Madison	MG IV (Mixed/Light) RR2X	4-May	125,000	6 rows	30"	No Till.	Gillsburg silt loam	None	1-Oct
Monroe	MG V RR2X	12-May	130,000	6 rows	30"	Conv.	Vaiden silty clay	None	5-Nov
Monroe	MG V RR2X	22-May	130,000	6 rows	30"	Min. Till.	Prentiss fine sandy loam	None	9-Nov
Noxubee	MG V RR2X	13-May	130,000	4 rows	38"	Conv.	Brooksville silty clay	None	15-Oct
Oktibbeha	MG IV EARLY RR2X	19-May	130,000	2 rows	38"	Conv.	Marietta fine sandy loam	Furrow	7-Oct
Oktibbeha	MG IV (Mixed/Light) RR2X	15-Jun	130,000	2 rows	38"	Conv.	Marietta fine sandy loam	Furrow	16-Oct
Oktibbeha	MG IV (Clay) RR2X	20-May	130,000	2 rows	38"	Conv.	Leeper silty clay loam	Furrow	6-Oct
Oktibbeha	MG V RR2X	20-May	130,000	2 rows	38"	Conv.	Leeper silty clay loam	Furrow	7-Oct
Oktibbeha	MG IV & V Enlist E3	20-May	130,000	2 rows	38"	Conv.	Leeper silty clay loam	Furrow	7-Oct
Pontotoc	MG IV (Mixed/Light) RR2X	15-Jun	130,000	6 twin rows	38"	Conv.	Jena silt loam	None	18-Nov
Pontotoc	MG IV (Mixed/Light) RR2X	15-Jun	128,000	4 rows	30"	No-Till.	Providence silt loam	None	20-Oct
Pontotoc	MG V RR2X	15-Jun	128,000	4 rows	30"	No-Till.	Adaton silt loam	None	20-Oct
Pontotoc	MG IV & V Enlist E3	15-Jun	128,000	4 rows	30"	No-Till.	Adaton silt loam	None	20-Oct
Sharkey	MG IV (Clay) RR2x	14-May	130,000	6 rows	38"	Conv.	Sharkey clay	Furrow	7-Oct
Sunflower	MG IV (Clay) RR2X	6-May	140,000	8 twin rows	38"	Conv.	Alligator clay	Furrow	19-Oct
Washington	MG IV EARLY RR2X	12-May	130,000	4 twin rows	40"	Conv.	Sharkey clay	Furrow	8-Oct
Yazoo	MG IV (Mixed/Light) RR2X	19-Jun	135,000	14 rows	30"		Dundee silt loam	Furrow	6-Nov

Soybean Variety Characteristics

Maturity Group IV Early Roundup Ready 2 Xtend Set

Brand	Variety	Relative Maturity	Herbicide Package ¹	Growth Habit ²	Canopy Width ³	Plant Height ⁴	Plant Color ⁵
Asgrow	AG 43X0	4.3	RR2X	I	MB	MT	LT
Dyna-Gro	S43XS70	4.3	RR2X/STS	I	M	MT	LT
Local Seed	LS4407X	4.4	RR2X	I	B	MT	LT
NK	NK 44-C7X	4.4	RR2X	I	M	MT	G
Pioneer	P42A96X	4.2	RR2X	I	MB	MT	LT

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

² – I = indeterminate; D = determinate

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

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

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

Soybean Variety Characteristics (cont.)

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

Brand	Variety	Relative Maturity	Herbicide Package ¹	Growth Habit ²	Canopy Width ³	Plant Height ⁴	Plant Color ⁵
Armor	46-D09	4.6	RR2X	I	B	MT	T
Armor	48-D25	4.8	RR2X	I	M	M	LT
Asgrow	AG 46X0	4.6	RR2X/SR	I	MB	MT	LT
Asgrow	AG 46X6	4.6	RR2X	I	B	MT	T
Asgrow	AG 48X9	4.8	RR2X/SR	I	MB	MT	LT
Credenz	CZ 4570X	4.5	RR2X	I	MB	MT	LT
Credenz	CZ 4979X	4.9	RR2X	I	MB	MT	G
Delta Grow	46X65 RR2X	4.6	RR2X/STS	I	B	MT	T
Delta Grow	48X05 RR2X	4.9	RR2X	I	MB	MT	T
Dyna-Gro	S46XS60	4.6	RR2X/STS	I	MB	MT	TL
Dyna-Gro	S47XT20	4.7	RR2X	I	MB	MT	LT
Dyna-Gro	S48XT90	4.8	RR2X	I	MB	MT	LT
Great Heart	GT-4677XS	4.6	RR2X/STS	I	MB	MT	LT
Great Heart	GT-4828X	4.8	RR2X	I	M	MT	LT
Local Seed	LS4795XS	4.7	RR2X/STS	I	MB	MT	LT
Local Seed	LS4999X	4.9	RR2X	I	M	MT	LT
NK	NK 47-Y9X	4.7	RR2X	I	MB	MT	LT
NK	NK 49-F5X	4.9	RR2X	I	B	MT	LT
Pioneer	P46A86X	4.6	RR2X	I	MB	T	G
Pioneer	P48A60X	4.8	RR2X	D	MB	MT	LT
Progeny	P4821RX	4.8	RR2X	I	B	M	T
Progeny	P4851RX	4.8	RR2X	I	B	T	LT
Progeny	P4970RX	4.9	RR2X	I	B	T	T

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

² – I = indeterminate; D = determinate

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

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

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

Soybean Variety Characteristics (cont.)

Maturity Group V Roundup Ready 2 Xtend Set

Brand	Variety	Relative Maturity	Herbicide Package ¹	Growth Habit ²	Canopy Width ³	Plant Height ⁴	Plant Color ⁵
Armor	52-D71	5.3	RR2X	I	MB	M	LT
Asgrow	AG 52X9	5.2	RR2X/SR	I	MB	MT	LT
Asgrow	AG 53X0	5.3	RR2X	I	MB	T	LT
Credenz	CZ 5000X	5.0	RR2X	I	B	MT	LT
Dyna-Gro	S52XS39	5.2	RR2X/STS	I	MB	T	G
Dyna-Gro	S56XT99	5.6	RR2X	D	MB	T	T
Local Seed	LS5009XS	5.0	RR2X/STS	I	B	T	LT
NK	NK 53-F7X	5.3	RR2X	I	MB	MT	G
Pioneer	P53A67X	5.3	RR2X	D	B	M	G
Pioneer	P55A49X	5.5	RR2X	D	MB	S	G
Progeny	P5016RXS	5.0	RR2X/STS	I	M	T	LT
Progeny	P5554RX	5.5	RR2X	D	B	MT	T

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

² – I = indeterminate; D = determinate

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

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

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

Soybean Variety Characteristics (cont.)

Maturity Group IV & V Enlist E3 Set

Brand	Variety	Relative Maturity	Herbicide Package ¹	Growth Habit ²	Canopy Width ³	Plant Height ⁴	Plant Color ⁵
Armor	46-E50	4.6	E3	I	MB	MT	T
Delta Grow	48E10	4.8	E3	I	B	T	G
Delta Grow	52E22	5.2	E3	I	MB	MT	T
Local Seed	ZS4694E3S	4.6	E3/STS	I	MB	MT	T
Local Seed	ZS5098E3	5.0	E3/STS	I	B	T	G
Pioneer	P49T62E	4.9	E3/STS	I	MB	MT	G
Progeny	P4775E3S	4.7	E3/STS	I	B	T	G
Progeny	P5211E3	5.2	E3	I	M	M	G

¹ – E3 = Enlist; STS = sulfonylurea tolerant soybean

² – I = indeterminate; D = determinate

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

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

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

Maturity Group IV (Mixed/ Light Soil) Roundup Ready 2 Xtend Varieties Summarized across Irrigated Locations							
Total number of locations:		4					
Planting date range:		4-May-20 to 19-June-20					
Brand	Variety	Avg. Plant Height	Avg. Lodging Score ¹	Avg. Shattering Score ¹	Avg. Green Stem Score ¹	Avg. Seed Moisture	Average Yield ²
		Inches	0 to 10	0 to 10	0 to 10	%	bu/acre
Progeny	P4970RX	36	2	1	1	12.8	72.4
Dyna-Gro	S46XS60	35	2	1	1	11.7	72.3
Delta Grow	48X05 RR2X	35	2	1	1	12.9	72.2
Great Heart	GT-4677XS	34	2	1	1	11.6	71.1
Dyna-Gro	S48XT90	36	2	1	0	12.2	70.7
Pioneer	P46A86X	38	2	1	1	12.0	70.7
Asgrow	AG 46X6	36	3	1	1	12.3	69.5
Asgrow	AG 48X9	36	2	1	1	11.7	69.5
Local Seed	LS4795XS	33	2	1	0	11.8	69.5
Progeny	P4821RX	34	2	1	1	12.2	69.5
Pioneer	P48A60X	38	2	1	1	11.9	68.8
NK	NK 49-F5X	34	3	1	0	12.1	68.4
Asgrow	AG 46X0	37	3	1	1	12.0	68.1
NK	NK 47-Y9X	34	1	1	1	12.0	68.0
Credenz	CZ 4979X	35	3	1	1	13.0	66.1
Armor	48-D25	35	2	1	0	11.9	65.0
Average across all Non-irr. locations:						12.1	69.5

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

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

Maturity Group IV (Mixed/ Light Soil) Roundup Ready 2 Xtend Varieties Summarized across Non-Irrigated Locations							
Total number of locations:		3					
Planting date range:		4-May-20 to 15-June-20					
Brand	Variety	Avg. Plant Height	Avg. Lodging Score ¹	Avg. Shattering Score ¹	Avg. Green Stem Score ¹	Avg. Seed Moisture	Average Yield ²
		Inches	0 to 10	0 to 10	0 to 10	%	bu/acre
Pioneer	P46A86X	36	1	0	0	11.8	56.6
Asgrow	AG 46X0	33	1	0	0	12.4	56.5
NK	NK 47-Y9X	37	1	0	1	12.5	55.1
Local Seed	LS4795XS	29	1	0	0	11.9	54.7
Great Heart	GT-4677XS	34	2	0	0	12.0	54.6
Dyna-Gro	S48XT90	29	3	0	1	11.8	54.4
Progeny	P4970RX	30	2	0	0	12.5	53.9
Delta Grow	48X05 RR2X	28	2	0	0	12.5	53.2
Progeny	P4821RX	30	2	0	0	12.1	53.2
Armor	48-D25	28	1	0	0	12.2	52.9
Credenz	CZ 4979X	33	2	0	0	12.3	51.9
Pioneer	P48A60X	30	2	0	0	12.2	51.9
Asgrow	AG 48X9	27	1	0	0	12.2	51.8
Asgrow	AG 46X6	33	3	0	0	11.9	51.5
NK	NK 49-F5X	30	3	0	0	12.5	51.3
Dyna-Gro	S46XS60	32	1	0	0	12.1	51.1
Average across all irr. locations:						12.2	53.4

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

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

Maturity Group IV (Clay Soil) Roundup Ready 2 Xtend Varieties Summarized across Irrigated Locations							
Total number of locations:		5					
Planting date range:		5-May-20 to 21-May-20					
Brand	Variety	Avg. Plant Height	Avg. Lodging Score ¹	Avg. Shattering Score ¹	Avg. Green Stem Score ¹	Avg. Seed Moisture %	Average Yield ² bu/acre
Asgrow	AG 46X0	36	2	1	2	10.9	71.1
Dyna-Gro	S48XT90	38	2	1	3	11.3	70.4
NK	NK 49-F5X	38	3	1	1	10.6	69.9
Progeny	P4821RX	36	2	1	2	11.1	69.8
Asgrow	AG 48X9	36	2	1	2	10.5	68.7
Local Seed	LS4999X	40	2	1	2	10.8	68.4
Pioneer	P46A86X	37	2	1	1	10.9	68.4
Delta Grow	46X65 RR2X	36	2	1	2	10.9	68.3
Great Heart	GT-4828X	41	1	1	2	11.0	68.0
Asgrow	AG 46X6	33	2	1	2	10.9	67.2
Progeny	P4851RX	40	3	1	2	11.0	66.9
Armor	46-D09	37	2	1	2	11.3	66.8
Credenz	CZ 4570X	36	2	1	2	11.0	65.0
Dyna-Gro	S47XT20	35	2	1	2	10.6	64.2
Average across all Non-irr. locations:						10.9	68.1

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

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

Maturity Group V Roundup Ready 2 Xtend Varieties Summarized across Non-Irrigated Locations							
Total number of locations:		6					
Planting date range:		12-May1-20 to 15-June-20					
Brand	Variety	Avg. Plant Height	Avg. Lodging Score ¹	Avg. Shattering Score ¹	Avg. Green Stem Score ¹	Avg. Seed Moisture %	Average Yield ² bu/acre
Pioneer	P55A49X	27	1	1	1	12.3	52.4
Dyna-Gro	S56XT99	29	1	1	1	12.4	50.8
Pioneer	P53A67X	31	1	1	1	12.1	48.8
NK	NK 53-F7X	33	1	1	1	12.5	48.0
Progeny	P5554RX	28	1	1	1	12.5	47.9
Dyna-Gro	S52XS39	32	1	1	0	12.3	46.5
Asgrow	AG 52X9	34	1	1	0	12.6	46.1
Armor	52-D71	33	1	1	1	12.7	45.8
Local Seed	LS5009XS	29	2	1	1	12.7	45.6
Asgrow	AG 53X0	35	1	1	1	12.7	43.5
Progeny	P5016RXS	33	1	1	1	13.0	41.7
Credenz	CZ 5000X	29	1	1	1	13.0	37.7
Average across all Non-irr. locations:						12.6	46.2

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

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

Maturity Group IV & V Enlist E3 Varieties Summarized across Non-irrigated Locations

Total number of locations:		3					
Planting date range:		11-May-20 to 18-June-20					
Brand	Variety	Avg. Plant Height	Avg. Lodging Score¹	Avg. Shattering Score¹	Avg. Green Stem Score¹	Avg. Seed Moisture %	Average Yield² bu/acre
Local Seed	ZS4694E3S	34	1	0	0	12.5	50.4
Pioneer	P49T62E	31	1	0	1	12.9	50.4
Armor	46-E50	32	2	0	0	12.8	48.5
Progeny	P4775E3S	37	1	0	0	12.8	45.6
Local Seed	ZS5098E3	45	2	0	0	12.9	44.1
Progeny	P5211E3	33	2	0	1	12.9	44.0
Delta Grow	52E22	31	1	0	0	12.7	43.5
Delta Grow	48E10	32	1	0	1	13.1	42.9
Average across all Non-irr. locations:						12.8	46.2

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

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

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

Brand	Variety	Final Height	Lodging Score	Shattering Score	Green Stem Score	Disease Ratings					Seed Moisture	Yield ⁶
						CLB ¹	FLS ²	SBS ³	TS ⁴	SB ⁵		
		Inches	0 to 10 ⁷	0 to 10 ⁷	0 to 10 ⁷	0 to 9 ⁸	0 to 9 ⁸	0 to 9 ⁸	0 to 9 ⁸	0 to 9 ⁸	%	bu/acre
Asgrow	AG 48X9	42	2	1	1	6	0	6	7	-	11.9	91.7
NK	NK 49-F5X	40	4	1	1	5	0	6	6	-	11.9	89.7
Dyna-Gro	S48XT90	41	4	1	1	5	0	5	5	-	12.3	89.0
Great Heart	GT-4677XS	37	3	1	2	6	0	5	5	-	12.1	88.9
Local Seed	LS4795XS	38	3	1	1	6	0	6	6	-	12.2	88.8
Pioneer	P46A86X	42	3	1	1	6	0	7	6	-	12.0	88.8
Dyna-Gro	S46XS60	43	3	1	2	6	0	6	6	-	12.2	88.2
Asgrow	AG 46X6	38	4	1	1	6	0	7	6	-	12.5	88.0
Asgrow	AG 46X0	46	4	1	1	6	0	7	6	-	11.8	87.8
Progeny	P4821RX	37	3	1	2	6	0	5	6	-	12.3	87.6
NK	NK 47-Y9X	40	2	1	1	6	0	6	7	-	12.1	86.4
Progeny	P4970RX	43	4	1	3	6	0	6	6	-	11.7	86.2
Delta Grow	48X05 RR2X	45	4	1	2	6	0	6	5	-	11.9	86.1
Pioneer	P48A60X	39	3	1	2	6	0	6	6	-	12.0	85.6
Armor	48-D25	43	2	1	1	6	0	5	7	-	11.9	84.6
Credenz	CZ 4979X	38	4	1	2	6	0	5	5	-	12.4	79.0
Plot Average:											12.1	87.3

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

²- Frogeye leaf spot severity ratings

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

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

⁵- 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.

⁶- Soybean yield adjusted to standard moisture content of 13.0%.

⁷- Scores rated on scale of 0-10 with 0 being excellent and 10 being poor at harvest.

⁸- 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 ⁶
		Inches	0 to 10 ⁷	0 to 10 ⁷	0 to 10 ⁷	CLB ¹	FLS ²	SBS ³	TS ⁴	SB ⁵	%	bu/acre
NK	NK 53-F7X	39	3	0	0	8	0	7	8	2	12.4	70.1
Pioneer	P53A67X	33	1	0	0	7	0	8	7	2	12.2	69.6
Asgrow	AG 52X9	35	2	0	0	8	0	7	6	2	12.6	66.6
Dyna-Gro	S56XT99	27	1	0	0	7	0	8	5	1	12.4	66.2
Asgrow	AG 53X0	39	3	0	0	8	0	7	5	3	12.9	65.9
Pioneer	P55A49X	32	1	0	0	8	0	8	6	5	12.6	65.7
Armor	52-D71	32	1	0	0	8	0	8	6	2	12.5	65.6
Dyna-Gro	S52XS39	38	2	0	0	7	0	8	8	2	12.8	64.1
Progeny	P5554RX	23	1	0	0	7	0	8	6	2	12.6	63.6
Local Seed	LS5009XS	25	2	0	0	7	0	6	7	2	12.7	63.1
Progeny	P5016RXS	30	1	0	1	8	0	8	5	1	12.6	62.0
Credenz	CZ 5000X	25	1	0	0	7	0	5	7	1	13.4	48.0
Plot Average:											12.6	64.2

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

²- Frogeye leaf spot severity ratings

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

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

⁵- 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.

⁶- Soybean yield adjusted to standard moisture content of 13.0%.

⁷- Scores rated on scale of 0-10 with 0 being excellent and 10 being poor at harvest.

⁸- 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 ⁶
						CLB ¹	FLS ²	SBS ³	TS ⁴	SB ⁵		
		Inches	0 to 10 ⁷	0 to 10 ⁷	0 to 10 ⁷	0 to 9 ⁸	0 to 9 ⁸	0 to 9 ⁸	0 to 9 ⁸	0 to 9 ⁸	%	bu/acre
Dyna-Gro	S48XT90	34	1	0	0	7	0	6	5	1	12.4	72.5
Pioneer	P46A86X	34	4	0	1	7	0	7	5	1	13.0	71.5
Asgrow	AG 46X6	34	2	1	0	6	0	6	6	1	13.0	71.3
Asgrow	AG 48X9	29	1	0	1	7	0	7	5	2	12.4	70.3
Great Heart	GT-4828X	36	2	0	0	6	0	7	6	1	12.3	70.3
Local Seed	LS 4999X	43	2	0	0	6	0	7	7	1	11.5	69.9
Progeny	P4821RX	34	2	0	1	6	0	6	4	1	12.3	69.9
Delta Grow	46X65 RRX2	33	3	0	0	7	0	6	5	1	12.5	68.9
Armor	46-D09	44	1	1	0	6	0	5	6	1	12.7	68.5
Asgrow	AG 46X0	35	3	0	0	6	0	6	5	1	12.7	68.5
NK	NK 49-F5X	34	3	0	0	7	0	6	6	1	11.5	65.9
Progeny	P4851RX	35	4	0	0	7	0	7	6	1	12.1	64.8
Dyna-Gro	S47XT20	31	2	0	0	6	0	7	5	1	12.5	64.5
Credenz	CZ 4570X	32	1	1	0	7	0	6	5	2	14.0	60.2
Plot Average:											12.5	68.4

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

²- Frogeye leaf spot severity ratings

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

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

⁵- 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.

⁶- Soybean yield adjusted to standard moisture content of 13.0%.

⁷- Scores rated on scale of 0-10 with 0 being excellent and 10 being poor at harvest.

⁸- Scores rated on scale of 0-9 with 0 being excellent and 9 being most severe.

Itawamba County – Non-Irrigated Maturity Group IV & V Enlist E3												
Brand	Variety	Final Height	Lodging Score	Shattering Score	Green Stem Score	Disease Ratings					Seed Moisture	Yield ⁶
		Inches	0 to 10 ⁷	0 to 10 ⁷	0 to 10 ⁷	CLB ¹	FLS ²	SBS ³	TS ⁴	SB ⁵	%	bu/acre
Progeny	P5211E3	29	2	0	0	6	0	7	5	1	11.9	49.7
Local Seed	ZS4694E3S	31	1	0	0	6	0	7	8	2	12.1	48.8
Local Seed	ZS5098E3	45	2	0	0	7	0	6	6	1	12.0	48.1
Delta Grow	52E22	31	1	0	0	6	0	8	5	2	11.8	46.6
Pioneer	P49T62E	28	1	0	0	7	0	7	8	1	12.7	43.6
Progeny	P4775E3S	33	1	0	0	7	0	7	5	5	12.1	42.8
Armor	46-E50	28	1	0	0	6	0	7	5	1	12.2	42.1
Delta Grow	48E10	26	1	0	0	7	0	6	6	1	12.3	39.4
Plot Average:											12.1	45.1

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

²- Frogeye leaf spot severity ratings

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

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

⁵- 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.

⁶- Soybean yield adjusted to standard moisture content of 13.0%.

⁷- Scores rated on scale of 0-10 with 0 being excellent and 10 being poor at harvest.

⁸- Scores rated on scale of 0-9 with 0 being excellent and 9 being most severe.

**Lee 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 ⁶
						CLB ¹	FLS ²	SBS ³	TS ⁴	SB ⁵		
		Inches	0 to 10 ⁷	0 to 10 ⁷	0 to 10 ⁷	0 to 9 ⁸	0 to 9 ⁸	0 to 9 ⁸	0 to 9 ⁸	0 to 9 ⁸	%	bu/acre
Asgrow	AG 43X0	49	4	1	1	7	0	7	8	2	14.2	56.6
Dyna-Gro	S43XS70	47	4	1	1	7	0	7	6	4	13.7	56.6
Local Seed	LS4407X	43	7	1	2	7	0	8	8	6	13.9	53.1
NK	NK 44-C7X	48	2	1	1	7	0	8	9	7	13.8	50.8
Pioneer	P42A96X	47	2	1	3	7	0	8	8	5	15.0	47.8
Plot Average:											14.1	53.0

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

²- Frogeye leaf spot severity ratings

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

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

⁵- 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.

⁶- Soybean yield adjusted to standard moisture content of 13.0%.

⁷- Scores rated on scale of 0-10 with 0 being excellent and 10 being poor at harvest.

⁸- Scores rated on scale of 0-9 with 0 being excellent and 9 being most severe.

Lee County – Non-Irrigated Maturity Group IV & V Enlist E3												
Brand	Variety	Final Height	Lodging Score	Shattering Score	Green Stem Score	Disease Ratings					Seed Moisture	Yield ⁶
		Inches	0 to 10 ⁷	0 to 10 ⁷	0 to 10 ⁷	CLB ¹	FLS ²	SBS ³	TS ⁴	SB ⁵	%	bu/acre
Pioneer	P49T62E	42	1	1	3	7	0	7	7	1	13.6	57.0
Local Seed	ZS4694E3S	45	3	1	1	7	0	7	5	1	13.5	53.2
Armor	46-E50	42	4	1	1	7	0	8	7	0	13.6	52.9
Progeny	P4775E3S	50	3	1	1	7	5	8	7	2	14.3	47.2
Delta Grow	48E10	45	2	1	2	6	0	7	6	2	14.3	42.9
Delta Grow	52E22	41	3	1	1	7	0	8	6	6	14.0	40.4
Progeny	P5211E3	43	5	1	3	6	0	7	6	3	14.0	39.3
Local Seed	ZS5098E3	57	3	1	1	7	0	8	7	3	14.4	37.5
Plot Average:											14.0	46.3

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

²- Frogeye leaf spot severity ratings

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

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

⁵- 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.

⁶- Soybean yield adjusted to standard moisture content of 13.0%.

⁷- Scores rated on scale of 0-10 with 0 being excellent and 10 being poor at harvest.

⁸- 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 ⁶
						CLB ¹	FLS ²	SBS ³	TS ⁴	SB ⁵		
		Inches	0 to 10 ⁷	0 to 10 ⁷	0 to 10 ⁷	0 to 9 ⁸	0 to 9 ⁸	0 to 9 ⁸	0 to 9 ⁸	0 to 9 ⁸	%	bu/acre
Dyna-Gro	S48XT90	32	2	1	7	7	0	6	4	0	11.7	67.0
Asgrow	AG 48X9	39	1	1	5	7	0	6	6	0	11.5	63.8
Asgrow	AG 46X0	37	1	1	2	7	0	5	5	1	12.0	62.6
Progeny	P4851RX	40	3	1	4	7	0	5	7	0	11.5	62.4
Progeny	P4821RX	33	1	1	5	7	0	5	6	0	11.3	62.1
NK	NK 49-F5X	33	2	1	1	7	0	5	7	1	11.2	60.6
Great Heart	GT-4828X	34	1	1	5	7	0	6	8	0	11.8	60.3
Local Seed	LS4999X	32	1	1	4	7	0	5	6	0	11.3	58.7
Armor	46-D09	34	1	1	4	6	0	6	5	1	12.0	54.7
Asgrow	AG 46X6	29	1	1	2	7	0	4	4	1	11.7	54.5
Delta Grow	46X65 RR2X	32	1	1	3	7	0	6	4	0	11.9	54.2
Dyna-Gro	S47XT20	32	1	1	5	6	0	5	5	0	11.8	53.5
Pioneer	P46A86X	30	1	1	2	7	0	6	4	0	11.7	51.0
Credenz	CZ 4570X	37	1	1	2	7	0	6	7	1	11.8	50.9
Plot Average:											11.7	58.3

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

²- Frogeye leaf spot severity ratings

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

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

⁵- 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.

⁶- Soybean yield adjusted to standard moisture content of 13.0%.

⁷- Scores rated on scale of 0-10 with 0 being excellent and 10 being poor at harvest.

⁸- 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 ⁶
						CLB ¹	FLS ²	SBS ³	TS ⁴	SB ⁵		
		Inches	0 to 10 ⁷	0 to 10 ⁷	0 to 10 ⁷	0 to 9 ⁸	0 to 9 ⁸	0 to 9 ⁸	0 to 9 ⁸	0 to 9 ⁸	%	bu/acre
Great Heart	GT-4677XS	35	2	0	0	5	0	7	7	-	8.7	91.6
Delta Grow	48X05 RR2X	42	2	1	1	5	0	6	7	-	14.3	91.1
Asgrow	AG 46X6	42	3	1	2	5	0	5	6	-	11.8	90.3
Pioneer	P46A86X	46	2	0	1	5	0	6	8	-	10.7	89.6
Dyna-Gro	S46XS60	38	3	1	1	6	0	5	7	-	10.7	88.6
Progeny	P4970RX	40	1	0	0	5	0	5	5	-	13.2	88.5
Local Seed	LS4795XS	39	3	0	0	6	0	5	8	-	10.4	88.3
Dyna-Gro	S48XT90	41	2	1	0	5	0	5	8	-	11.9	87.9
Progeny	P4821RX	40	2	1	0	6	0	7	7	-	11.3	87.7
Pioneer	P48A60X	42	2	0	0	5	0	6	7	-	10.1	85.2
Asgrow	AG 46X0	40	3	0	2	5	0	6	5	-	12.5	84.5
Asgrow	AG 48X9	39	2	0	0	5	0	6	8	-	10.3	83.8
Credenz	CZ 4979X	42	3	1	0	6	0	6	7	-	13.8	83.2
NK	NK 49-F5X	35	3	0	0	5	0	6	6	-	10.8	81.7
NK	NK 47-Y9X	35	1	1	2	6	0	7	8	-	10.4	81.4
Armor	48-D25	39	3	0	0	6	0	6	7	-	10.1	80.2
Plot Average:											11.3	86.5

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

²- Frogeye leaf spot severity ratings

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

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

⁵- 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.

⁶- Soybean yield adjusted to standard moisture content of 13.0%.

⁷- Scores rated on scale of 0-10 with 0 being excellent and 10 being poor at harvest.

⁸- 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 ⁶
		Inches	0 to 10 ⁷	0 to 10 ⁷	0 to 10 ⁷	CLB ¹	FLS ²	SBS ³	TS ⁴	SB ⁵	%	bu/acre
Pioneer	P55A49X	30	1	1	0	-	-	-	-	-	11.9	57.9
Dyna-Gro	S56XT99	27	3	1	0	-	-	-	-	-	11.4	56.4
NK	NK 53-F7X	28	0	1	0	-	-	-	-	-	11.3	54.0
Progeny	P5554RX	27	2	1	0	-	-	-	-	-	12.0	52.1
Pioneer	P53A67X	32	0	1	0	-	-	-	-	-	11.9	47.4
Dyna-Gro	S52XS39	24	1	0	0	-	-	-	-	-	11.5	47.3
Asgrow	AG 52X9	27	0	1	0	-	-	-	-	-	12.0	45.5
Local Seed	LS5009XS	28	0	1	0	-	-	-	-	-	12.8	45.4
Armor	52-D71	25	0	1	0	-	-	-	-	-	11.7	43.0
Asgrow	AG 53X0	30	1	0	0	-	-	-	-	-	11.6	41.5
Credenz	CZ 5000X	28	0	0	0	-	-	-	-	-	12.7	41.0
Progeny	P5016RXS	24	0	1	0	-	-	-	-	-	12.3	34.6
Plot Average:											11.9	47.2

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

²- Frogeye leaf spot severity ratings

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

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

⁵- 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.

⁶- Soybean yield adjusted to standard moisture content of 13.0%.

⁷- Scores rated on scale of 0-10 with 0 being excellent and 10 being poor at harvest.

⁸- Scores rated on scale of 0-9 with 0 being excellent and 9 being most severe.

**Madison 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 ⁶
						CLB ¹	FLS ²	SBS ³	TS ⁴	SB ⁵		
		Inches	0 to 10 ⁷	0 to 10 ⁷	0 to 10 ⁷	0 to 9 ⁸	0 to 9 ⁸	0 to 9 ⁸	0 to 9 ⁸	0 to 9 ⁸	%	bu/acre
Asgrow	AG 46X0	32	3	0	0	-	-	-	-	-	11.8	81.3
Pioneer	P46A86X	37	2	0	0	-	-	-	-	-	11.9	76.3
Great Heart	GT-4677XS	32	4	0	0	-	-	-	-	-	11.6	72.5
Armor	48-D25	28	2	0	0	-	-	-	-	-	12.7	71.6
Asgrow	AG 48X9	30	2	0	1	-	-	-	-	-	12.2	71.2
Local Seed	LS4795XS	35	2	0	0	-	-	-	-	-	11.9	70.7
Dyna-Gro	S48XT90	32	8	0	2	-	-	-	-	-	12.3	70.6
Progeny	P4970RX	34	6	0	0	-	-	-	-	-	13.8	70.2
Asgrow	AG 46X6	34	6	0	0	-	-	-	-	-	11.1	69.3
NK	NK 49-F5X	33	8	0	0	-	-	-	-	-	13.5	65.9
Pioneer	P48A60X	31	6	0	0	-	-	-	-	-	12.6	65.8
Progeny	P4821RX	31	3	0	0	-	-	-	-	-	12.6	65.1
Delta Grow	48X05 RR2X	33	5	0	1	-	-	-	-	-	13.0	64.5
Credenz	CZ 4979X	35	5	0	1	-	-	-	-	-	12.8	64.4
Dyna-Gro	S46XS60	35	3	0	0	-	-	-	-	-	11.4	62.9
NK	NK 47-Y9X	38	2	0	1	-	-	-	-	-	12.3	60.7
Plot Average:											12.3	68.9

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

²- Frogeye leaf spot severity ratings

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

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

⁵- 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.

⁶- Soybean yield adjusted to standard moisture content of 13.0%.

⁷- Scores rated on scale of 0-10 with 0 being excellent and 10 being poor at harvest.

⁸- Scores rated on scale of 0-9 with 0 being excellent and 9 being most severe.

Monroe County – Non-Irrigated Maturity Group V Roundup Ready 2 Xtend												
Brand	Variety	Final Height	Lodging Score	Shattering Score	Green Stem Score	Disease Ratings					Seed Moisture	Yield ⁶
		Inches	0 to 10 ⁷	0 to 10 ⁷	0 to 10 ⁷	CLB ¹	FLS ²	SBS ³	TS ⁴	SB ⁵	%	bu/acre
Pioneer	P55A49X	30	0	1	4	8	0	7	6	2	11.7	58.2
Progeny	P5554RX	31	0	1	4	7	0	7	5	1	11.5	55.8
Dyna-Gro	S56XT99	29	0	1	5	7	0	8	6	1	11.3	55.7
Armor	52-D71	33	0	2	3	8	1	7	5	1	11.7	54.7
NK	NK 53-F7X	31	0	1	4	8	0	7	5	1	11.8	53.1
Pioneer	P53A67X	41	0	1	4	7	0	6	6	1	11.8	53.0
Local Seed	LS5009XS	28	0	3	0	7	-	8	5	2	12.2	52.9
Asgrow	AG 52X9	41	0	2	0	8	-	7	4	3	12.0	51.7
Dyna-Gro	S52XS39	34	0	4	0	8	-	6	5	1	11.7	50.1
Progeny	P5016RXS	41	0	2	4	8	-	6	4	1	12.0	49.6
Asgrow	AG 53X0	35	0	3	3	8	0	6	5	1	12.0	47.9
Credenz	CZ 5000X	30	0	4	4	7	-	7	5	4	11.8	39.6
Plot Average:											11.8	51.9

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

²- Frogeye leaf spot severity ratings

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

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

⁵- 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.

⁶- Soybean yield adjusted to standard moisture content of 13.0%.

⁷- Scores rated on scale of 0-10 with 0 being excellent and 10 being poor at harvest.

⁸- Scores rated on scale of 0-9 with 0 being excellent and 9 being most severe.

Monroe County – Non-Irrigated Maturity Group V Roundup Ready 2 Xtend												
Brand	Variety	Final Height	Lodging Score	Shattering Score	Green Stem Score	Disease Ratings					Seed Moisture	Yield ⁶
		Inches	0 to 10 ⁷	0 to 10 ⁷	0 to 10 ⁷	CLB ¹	FLS ²	SBS ³	TS ⁴	SB ⁵	%	bu/acre
Pioneer	P55A49X	25	1	1	1	-	-	-	-	-	14.8	49.9
Dyna-Gro	S56XT99	32	2	1	2	-	-	-	-	-	15.2	49.8
Local Seed	LS5009XS	31	4	1	2	-	-	-	-	-	15.7	45.7
Progeny	P5554RX	31	1	1	2	-	-	-	-	-	15.1	45.0
Pioneer	P53A67X	31	1	1	0	-	-	-	-	-	15.3	43.4
Armor	52-D71	43	2	1	3	-	-	-	-	-	16.2	41.0
NK	NK 53-F7X	32	2	1	2	-	-	-	-	-	16.3	41.0
Asgrow	AG 52X9	36	1	1	0	-	-	-	-	-	15.1	40.3
Asgrow	AG 53X0	35	2	1	2	-	-	-	-	-	15.8	38.7
Progeny	P5016RXS	38	1	1	2	-	-	-	-	-	17.0	38.3
Credenz	CZ 5000X	33	4	1	2	-	-	-	-	-	15.9	32.7
Dyna-Gro	S52XS39	35	2	1	1	-	-	-	-	-	15.7	27.3
Plot Average:											15.7	41.1

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

²- Frogeye leaf spot severity ratings

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

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

⁵- 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.

⁶- Soybean yield adjusted to standard moisture content of 13.0%.

⁷- Scores rated on scale of 0-10 with 0 being excellent and 10 being poor at harvest.

⁸- 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 ⁶
		Inches	0 to 10 ⁷	0 to 10 ⁷	0 to 10 ⁷	CLB ¹	FLS ²	SBS ³	TS ⁴	SB ⁵	%	bu/acre
						0 to 9 ⁸	0 to 9 ⁸	0 to 9 ⁸	0 to 9 ⁸	0 to 9 ⁸		
Dyna-Gro	S52XS39	37	1	0	1	-	-	-	-	-	10.6	49.2
Pioneer	P55A49X	23	1	0	1	-	-	-	-	-	11.4	36.0
Pioneer	P53A67X	28	1	0	1	-	-	-	-	-	9.2	33.3
Dyna-Gro	S56XT99	31	1	0	1	-	-	-	-	-	11.7	30.1
Progeny	P5554RX	29	1	0	1	-	-	-	-	-	11.3	28.8
Armor	52-D71	37	2	0	2	-	-	-	-	-	11.1	26.3
Local Seed	LS5009XS	36	3	0	2	-	-	-	-	-	11.3	26.2
Asgrow	AG 53X0	37	2	0	3	-	-	-	-	-	11.6	25.5
Asgrow	AG 52X9	35	2	0	1	-	-	-	-	-	11.2	25.1
NK	NK 53-F7X	38	1	0	0	-	-	-	-	-	11.2	25.0
Progeny	P5016RXS	35	1	0	1	-	-	-	-	-	11.5	24.3
Credenz	CZ 5000X	30	1	0	1	-	-	-	-	-	11.5	22.8
Plot Average:											11.1	29.4

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

²- Frogeye leaf spot severity ratings

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

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

⁵- 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.

⁶- Soybean yield adjusted to standard moisture content of 13.0%.

⁷- Scores rated on scale of 0-10 with 0 being excellent and 10 being poor at harvest.

⁸- Scores rated on scale of 0-9 with 0 being excellent and 9 being most severe.

**OkTibbeha County – 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 ⁶
		Inches	0 to 10 ⁷	0 to 10 ⁷	0 to 10 ⁷	CLB ¹	FLS ²	SBS ³	TS ⁴	SB ⁵	%	bu/acre
Pioneer	P42A96X	37	3	1	2	7	1	6	6	2	12.3	72.1
Asgrow	AG 43X0	38	4	1	2	7	2	7	6	1	12.3	72.0
NK	NK 44-C7X	36	4	1	2	6	0	7	5	-	15.9	69.4
Dyna-Gro	S43XS70	36	4	1	1	7	1	6	5	1	14.5	68.7
Local Seed	LS4407X	39	7	1	1	6	3	6	6	1	12.5	68.3
Plot Average:											13.5	70.1

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

²- Frogeye leaf spot severity ratings

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

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

⁵- 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.

⁶- Soybean yield adjusted to standard moisture content of 13.0%.

⁷- Scores rated on scale of 0-10 with 0 being excellent and 10 being poor at harvest.

⁸- Scores rated on scale of 0-9 with 0 being excellent and 9 being most severe.

OkTibbeha County – Irrigated
Maturity Group IV (Mixed/Light Soil) Roundup Ready 2 Xtend

Brand	Variety	Final Height	Lodging Score	Shattering Score	Green Stem Score	Disease Ratings					Seed Moisture	Yield ⁶
						CLB ¹	FLS ²	SBS ³	TS ⁴	SB ⁵		
		Inches	0 to 10 ⁷	0 to 10 ⁷	0 to 10 ⁷	0 to 9 ⁸	0 to 9 ⁸	0 to 9 ⁸	0 to 9 ⁸	0 to 9 ⁸	%	bu/acre
Dyna-Gro	S46XS60	33	1	0	1	-	3	-	-	-	12.5	57.8
Progeny	P4970RX	34	2	0	2	-	0	-	-	-	12.8	53.5
Progeny	P4821RX	34	2	0	1	-	3	-	-	-	12.6	52.8
Delta Grow	48X05 RR2X	32	1	0	0	-	1	-	-	-	12.8	52.6
Pioneer	P46A86X	39	2	0	1	-	0	-	-	-	12.8	52.5
Dyna-Gro	S48XT90	33	1	0	1	-	1	-	-	-	12.7	51.4
NK	NK 47-Y9X	33	1	0	0	-	6	-	-	-	12.4	50.4
Great Heart	GT-4677XS	31	1	0	0	-	3	-	-	-	12.4	49.4
Asgrow	AG 46X6	35	1	0	1	-	2	-	-	-	12.9	49.1
Asgrow	AG 48X9	35	1	0	0	-	4	-	-	-	12.4	48.9
Pioneer	P48A60X	36	1	0	0	-	4	-	-	-	12.5	48.9
Credenz	CZ 4979X	33	2	0	0	-	1	-	-	-	13.2	48.8
Local Seed	LS4795XS	35	1	0	1	-	3	-	-	-	12.4	47.8
Asgrow	AG 46X0	33	1	0	1	-	4	-	-	-	19.1	47.4
NK	NK 49-F5X	35	3	0	1	-	6	-	-	-	12.5	47.1
Armor	48-D25	31	0	0	1	-	3	-	-	-	12.5	46.9
Plot Average:											13.0	50.3

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

²- Frogeye leaf spot severity ratings

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

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

⁵- 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.

⁶- Soybean yield adjusted to standard moisture content of 13.0%.

⁷- Scores rated on scale of 0-10 with 0 being excellent and 10 being poor at harvest.

⁸- Scores rated on scale of 0-9 with 0 being excellent and 9 being most severe.

**Oktibbeha 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 ⁶
						CLB ¹	FLS ²	SBS ³	TS ⁴	SB ⁵		
		Inches	0 to 10 ⁷	0 to 10 ⁷	0 to 10 ⁷	0 to 9 ⁸	0 to 9 ⁸	0 to 9 ⁸	0 to 9 ⁸	0 to 9 ⁸	%	bu/acre
Asgrow	AG 46X0	34	3	1	2	-	1	7	6	-	9.6	63.1
NK	NK 49-F5X	34	2	1	2	-	1	7	6	-	9.6	61.6
Dyna-Gro	S48XT90	34	2	2	1	-	0	5	5	-	11.0	61.4
Pioneer	P46A86X	37	2	1	1	-	0	8	7	-	10.0	61.1
Local Seed	LS4999X	37	2	1	1	-	0	7	5	-	9.6	59.8
Credenz	CZ 4570X	33	2	1	2	-	1	7	5	-	10.8	59.6
Progeny	P4821RX	33	2	1	2	-	1	7	6	-	11.4	58.2
Delta Grow	46X65 RR2X	33	2	1	2	-	1	7	6	-	9.8	56.8
Great Heart	GT-4828X	38	1	2	2	-	0	7	5	-	10.1	55.2
Asgrow	AG 48X9	32	1	1	2	-	2	6	6	-	9.6	55.0
Armor	46-D09	33	2	1	1	-	0	6	5	-	11.3	54.0
Dyna-Gro	S47XT20	33	2	1	1	-	1	7	6	-	9.1	53.0
Progeny	P4851RX	33	3	1	2	-	0	7	6	-	10.3	51.6
Asgrow	AG 46X6	32	2	1	2	-	1	6	5	-	10.2	50.6
Plot Average:											10.2	57.2

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

²- Frogeye leaf spot severity ratings

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

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

⁵- 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.

⁶- Soybean yield adjusted to standard moisture content of 13.0%.

⁷- Scores rated on scale of 0-10 with 0 being excellent and 10 being poor at harvest.

⁸- Scores rated on scale of 0-9 with 0 being excellent and 9 being most severe.

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

Brand	Variety	Final Height	Lodging Score	Shattering Score	Green Stem Score	Disease Ratings					Seed Moisture	Yield ⁶
		Inches	0 to 10 ⁷	0 to 10 ⁷	0 to 10 ⁷	CLB ¹	FLS ²	SBS ³	TS ⁴	SB ⁵	%	bu/acre
Armor	52-D71	39	2	1	3	-	1	6	5	-	12.0	56.6
Asgrow	AG 53X0	40	2	1	1	-	1	6	5	-	11.9	55.6
Pioneer	P53A67X	26	1	1	1	-	1	7	6	-	10.1	54.9
Asgrow	AG 52X9	37	2	1	2	-	1	6	5	-	11.6	54.0
Dyna-Gro	S56XT99	28	2	1	2	-	1	7	7	-	10.5	53.9
Pioneer	P55A49X	25	1	1	2	-	0	7	6	-	10.8	53.7
Progeny	P5554RX	29	1	1	2	-	1	7	6	-	10.8	53.2
Local Seed	LS5009XS	38	5	1	2	-	1	6	5	-	11.2	53.0
NK	NK 53-F7X	37	3	1	2	-	0	7	6	-	11.6	52.6
Credenz	CZ 5000X	34	2	1	2	-	1	6	6	-	11.2	51.6
Dyna-Gro	S52XS39	35	1	1	2	-	0	5	5	-	10.9	50.3
Progeny	P5016RXS	35	2	1	2	-	1	6	6	-	10.6	50.2
Plot Average:											11.1	53.3

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

²- Frogeye leaf spot severity ratings

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

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

⁵- 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.

⁶- Soybean yield adjusted to standard moisture content of 13.0%.

⁷- Scores rated on scale of 0-10 with 0 being excellent and 10 being poor at harvest.

⁸- Scores rated on scale of 0-9 with 0 being excellent and 9 being most severe.

Oktibbeha County – Irrigated Maturity Group IV & V Enlist E3												
Brand	Variety	Final Height	Lodging Score	Shattering Score	Green Stem Score	Disease Ratings					Seed Moisture	Yield ⁶
		Inches	0 to 10 ⁷	0 to 10 ⁷	0 to 10 ⁷	CLB ¹	FLS ²	SBS ³	TS ⁴	SB ⁵	%	bu/acre
Local Seed	ZS5098E3	37	2	1	3	-	1	7	6	0	10.8	49.0
Pioneer	P49T62E	31	1	1	2	-	0	7	6	0	10.0	46.3
Armor	46-E50	28	1	1	1	-	1	7	7	0	10.2	44.8
Delta Grow	48E10	34	2	1	2	-	0	7	6	1	10.4	42.6
Progeny	P4775E3S	33	2	1	2	-	2	7	6	0	10.4	42.6
Local Seed	ZS4694E3S	31	1	1	2	-	1	8	7	0	10.2	41.9
Progeny	P5211E3	30	2	1	3	-	0	7	5	0	10.6	36.8
Delta Grow	52E22	31	2	1	2	-	0	6	5	1	9.7	36.1
Plot Average:											10.3	42.5

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

²- Frogeye leaf spot severity ratings

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

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

⁵- 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.

⁶- Soybean yield adjusted to standard moisture content of 13.0%.

⁷- Scores rated on scale of 0-10 with 0 being excellent and 10 being poor at harvest.

⁸- Scores rated on scale of 0-9 with 0 being excellent and 9 being most severe.

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

Brand	Variety	Final Height	Lodging Score	Shattering Score	Green Stem Score	Disease Ratings					Seed Moisture	Yield ⁶
						CLB ¹	FLS ²	SBS ³	TS ⁴	SB ⁵		
		Inches	0 to 10 ⁷	0 to 10 ⁷	0 to 10 ⁷	0 to 9 ⁸	0 to 9 ⁸	0 to 9 ⁸	0 to 9 ⁸	0 to 9 ⁸	%	bu/acre
Progeny	P4970RX	26	1	0	0	6	0	7	5	-	11.4	49.4
Delta Grow	48X05 RR2X	27	1	0	0	7	0	7	4	-	11.8	48.2
Credenz	CZ 4979X	29	1	0	0	6	0	6	6	-	11.7	48.0
Great Heart	GT-4677XS	37	1	0	0	7	0	7	7	-	11.9	47.6
Local Seed	LS4795XS	23	1	0	0	7	0	8	6	-	11.6	46.4
Dyna-Gro	S48XT90	28	1	0	0	7	0	7	6	-	11.4	46.0
Pioneer	P46A86X	31	1	0	0	7	0	7	5	-	11.8	46.0
NK	NK 49-F5X	29	1	0	0	7	3	7	7	-	11.6	45.9
Dyna-Gro	S46XS60	27	1	0	0	7	0	7	7	-	12.4	45.2
Asgrow	AG 46X0	34	1	0	0	7	0	7	6	-	12.3	45.0
Pioneer	P48A60X	28	1	0	0	7	0	8	6	-	11.5	43.4
Progeny	P4821RX	29	2	0	0	7	0	7	5	-	11.6	41.1
Asgrow	AG 48X9	24	1	0	0	7	0	6	6	-	11.6	41.0
Armor	48-D25	26	1	0	0	7	2	7	6	-	11.4	40.7
Asgrow	AG 46X6	29	2	0	0	7	0	8	6	-	12.2	38.6
Plot Average:											11.7	44.8

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

²- Frogeye leaf spot severity ratings

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

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

⁵- 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.

⁶- Soybean yield adjusted to standard moisture content of 13.0%.

⁷- Scores rated on scale of 0-10 with 0 being excellent and 10 being poor at harvest.

⁸- Scores rated on scale of 0-9 with 0 being excellent and 9 being most severe.

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

Brand	Variety	Final Height	Lodging Score	Shattering Score	Green Stem Score	Disease Ratings					Seed Moisture	Yield ⁶
						CLB ¹	FLS ²	SBS ³	TS ⁴	SB ⁵		
		Inches	0 to 10 ⁷	0 to 10 ⁷	0 to 10 ⁷	0 to 9 ⁸	0 to 9 ⁸	0 to 9 ⁸	0 to 9 ⁸	0 to 9 ⁸	%	bu/acre
Progeny	P4821RX	30	0	0	0	7	-	-	-	-	12.0	53.4
NK	NK 47-Y9X	35	0	0	0	8	-	-	-	-	12.7	49.4
Pioneer	P46A86X	40	0	0	0	8	-	-	-	-	11.7	47.4
Local Seed	LS4795XS	30	0	0	0	6	-	-	-	-	12.3	47.0
Delta Grow	48X05 RR2X	24	0	0	0	7	-	-	-	-	12.6	46.9
Asgrow	AG 46X6	35	0	0	0	7	-	-	-	-	12.5	46.5
Dyna-Gro	S48XT90	28	0	1	0	7	-	-	-	-	11.6	46.5
Armor	48-D25	30	0	0	0	6	-	-	-	-	12.6	46.4
Pioneer	P48A60X	31	0	0	0	8	-	-	-	-	12.6	46.4
Dyna-Gro	S46XS60	33	0	0	0	6	-	-	-	-	12.4	45.2
Great Heart	GT-4677XS	33	0	1	0	6	-	-	-	-	12.6	43.8
Credenz	CZ 4979X	34	0	1	0	6	-	-	-	-	12.5	43.4
Asgrow	AG 48X9	26	0	1	0	6	-	-	-	-	12.8	43.3
Asgrow	AG 46X0	32	0	0	0	6	-	-	-	-	13.2	43.1
Progeny	P4970RX	30	0	0	0	8	-	-	-	-	12.2	42.2
NK	NK 49-F5X	26	0	0	0	6	-	-	-	-	12.4	42.1
Plot Average:											12.4	45.8

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

²- Frogeye leaf spot severity ratings

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

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

⁵- 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.

⁶- Soybean yield adjusted to standard moisture content of 13.0%.

⁷- Scores rated on scale of 0-10 with 0 being excellent and 10 being poor at harvest.

⁸- 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	Lodging Score	Shattering Score	Green Stem Score	Disease Ratings					Seed Moisture	Yield ⁶
		Inches	0 to 10 ⁷	0 to 10 ⁷	0 to 10 ⁷	CLB ¹	FLS ²	SBS ³	TS ⁴	SB ⁵	%	bu/acre
Asgrow	AG 52X9	30	0	0	0	7	0	7	6	-	12.5	47.1
Pioneer	P55A49X	22	0	0	0	7	0	7	5	-	11.6	46.5
Dyna-Gro	S56XT99	27	0	1	0	6	0	8	6	-	12.2	46.3
Pioneer	P53A67X	19	0	0	0	7	0	7	7	-	12.2	46.2
NK	NK 53-F7X	29	0	1	0	6	0	8	5	-	12.2	45.1
Armor	52-D71	26	0	1	0	7	0	7	5	-	13.0	44.3
Credenz	CZ 5000X	27	0	0	0	7	0	7	6	-	12.5	42.4
Progeny	P5554RX	29	0	1	0	6	0	7	7	-	12.7	42.0
Asgrow	AG 53X0	35	0	0	0	6	0	7	6	-	12.1	41.6
Dyna-Gro	S52XS39	25	0	0	0	6	0	8	5	-	11.5	41.3
Progeny	P5016RXS	30	0	0	0	7	0	6	4	-	12.3	41.2
Local Seed	LS5009XS	28	0	0	0	6	0	8	5	-	11.2	40.5
Plot Average:											12.2	43.7

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

²- Frogeye leaf spot severity ratings

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

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

⁵- 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.

⁶- Soybean yield adjusted to standard moisture content of 13.0%.

⁷- Scores rated on scale of 0-10 with 0 being excellent and 10 being poor at harvest.

⁸- Scores rated on scale of 0-9 with 0 being excellent and 9 being most severe.

Pontotoc County – Non-Irrigated Maturity Group IV & V Enlist E3												
Brand	Variety	Final Height	Lodging Score	Shattering Score	Green Stem Score	Disease Ratings					Seed Moisture	Yield ⁶
		Inches	0 to 10 ⁷	0 to 10 ⁷	0 to 10 ⁷	CLB ¹	FLS ²	SBS ³	TS ⁴	SB ⁵	%	bu/acre
Armor	46-E50	28	0	0	0	7	0	8	7	-	12.5	50.5
Pioneer	P49T62E	22	0	0	0	6	0	7	6	-	12.5	50.5
Local Seed	ZS4694E3S	25	0	0	0	8	0	7	6	-	11.8	49.1
Progeny	P4775E3S	28	0	0	0	8	0	-	-	-	12.1	46.7
Local Seed	ZS5098E3	32	0	0	0	6	0	8	6	-	12.3	46.6
Delta Grow	48E10	25	0	0	0	6	0	7	6	-	12.7	46.4
Delta Grow	52E22	23	0	0	0	6	0	7	6	-	12.4	43.6
Progeny	P5211E3	26	0	0	0	6	0	6	6	-	12.7	43.1
Plot Average:											12.4	47.1

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

²- Frogeye leaf spot severity ratings

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

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

⁵- 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.

⁶- Soybean yield adjusted to standard moisture content of 13.0%.

⁷- Scores rated on scale of 0-10 with 0 being excellent and 10 being poor at harvest.

⁸- Scores rated on scale of 0-9 with 0 being excellent and 9 being most severe.

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

Brand	Variety	Final Height	Lodging Score	Shattering Score	Green Stem Score	Disease Ratings					Seed Moisture	Yield ⁶
						CLB ¹	FLS ²	SBS ³	TS ⁴	SB ⁵		
		Inches	0 to 10 ⁷	0 to 10 ⁷	0 to 10 ⁷	0 to 9 ⁸	0 to 9 ⁸	0 to 9 ⁸	0 to 9 ⁸	0 to 9 ⁸	%	bu/acre
Progeny	P4851RX	47	3	0	1	-	-	-	-	-	10.4	73.2
NK	NK 49-F5X	44	4	0	0	-	-	-	-	-	10.8	73.0
Asgrow	AG 46X0	33	2	0	2	-	-	-	-	-	10.1	72.3
Delta Grow	46X65 RR2X	37	3	0	1	-	-	-	-	-	10.4	72.2
Progeny	P4821RX	37	2	0	1	-	-	-	-	-	10.3	71.9
Credenz	CZ 4570X	34	3	0	0	-	-	-	-	-	9.3	71.8
Asgrow	AG 46X	33	2	0	1	-	-	-	-	-	10.1	70.0
Armor	46-D09	34	3	1	0	-	-	-	-	-	9.9	69.7
Pioneer	P46A86X	34	2	0	0	-	-	-	-	-	10.1	69.6
Great Heart	GT-4828X	48	1	0	1	-	-	-	-	-	10.4	67.8
Local Seed	LS4999X	40	1	0	1	-	-	-	-	-	10.6	67.8
Asgrow	AG 48X9	39	2	0	1	-	-	-	-	-	9.9	67.7
Dyma-Gro	S48XT90	44	1	0	3	-	-	-	-	-	11.1	66.4
Dyna-Gro	S47XT20	36	1	0	1	-	-	-	-	-	9.7	64.6
Plot Average:											10.2	69.9

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

²- Frogeye leaf spot severity ratings

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

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

⁵- 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.

⁶- Soybean yield adjusted to standard moisture content of 13.0%.

⁷- Scores rated on scale of 0-10 with 0 being excellent and 10 being poor at harvest.

⁸- Scores rated on scale of 0-9 with 0 being excellent and 9 being most severe.

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

Brand	Variety	Final Height	Lodging Score	Shattering Score	Green Stem Score	Disease Ratings					Seed Moisture	Yield ⁶
						CLB ¹	FLS ²	SBS ³	TS ⁴	SB ⁵		
		Inches	0 to 10 ⁷	0 to 10 ⁷	0 to 10 ⁷	0 to 9 ⁸	0 to 9 ⁸	0 to 9 ⁸	0 to 9 ⁸	0 to 9 ⁸	%	bu/acre
Asgrow	AG 46X6	39	3	0	1	5	0	5	8	-	11.6	89.7
Delta Grow	46X65 RR2X	45	3	0	0	6	0	5	7	-	11.6	89.3
Asgrow	AG 46X0	39	2	0	1	5	0	6	8	-	11.8	89.1
Pioneer	P46A86X	49	2	0	0	5	0	4	6	-	11.6	88.5
NK	NK 49-F5X	43	2	0	1	5	0	5	6	-	11.1	88.3
Armor	46-D09	42	3	0	2	5	0	7	6	-	11.9	87.1
Progeny	P4821RX	44	4	0	1	6	0	4	5	-	11.4	86.7
Asgrow	AG 48X9	44	3	0	0	5	0	5	7	-	11.2	86.6
Great Heart	GT-4828X	48	2	0	0	5	0	4	6	-	11.9	86.5
Local Seed	LS4999X	48	2	0	1	5	0	5	8	-	11.6	85.9
Dyna-Gro	S47XT20	43	4	0	0	6	0	5	7	-	11.8	85.2
Dyna-Gro	S48XT90	45	3	0	1	5	0	4	4	-	11.5	84.8
Progeny	P4851RX	44	4	0	0	6	0	4	5	-	11.7	82.6
Credenz	CZ 4570X	43	3	0	3	5	0	5	6	-	11.9	82.4
Plot Average:											11.6	86.6

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

²- Frogeye leaf spot severity ratings

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

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

⁵- 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.

⁶- Soybean yield adjusted to standard moisture content of 13.0%.

⁷- Scores rated on scale of 0-10 with 0 being excellent and 10 being poor at harvest.

⁸- Scores rated on scale of 0-9 with 0 being excellent and 9 being most severe.

**Washington County – 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 ⁶
						CLB ¹	FLS ²	SBS ³	TS ⁴	SB ⁵		
		Inches	0 to 10 ⁷	0 to 10 ⁷	0 to 10 ⁷	0 to 9 ⁸	0 to 9 ⁸	0 to 9 ⁸	0 to 9 ⁸	0 to 9 ⁸	%	bu/acre
NK	NK 44-C7X	39	2	0	2	-	-	-	-	-	12.9	84.9
Pioneer	P42A96X	44	1	1	1	-	-	-	-	-	12.3	79.5
Dyna-Gro	S43XS70	39	2	0	1	-	-	-	-	-	12.6	78.9
Local Seed	LS4407X	38	3	0	2	-	-	-	-	-	11.7	77.5
Asgrow	AG 43X0	40	2	0	2	-	-	-	-	-	12.0	72.4
Plot Average:											12.3	78.7

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

²- Frogeye leaf spot severity ratings

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

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

⁵- 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.

⁶- Soybean yield adjusted to standard moisture content of 13.0%.

⁷- Scores rated on scale of 0-10 with 0 being excellent and 10 being poor at harvest.

⁸- Scores rated on scale of 0-9 with 0 being excellent and 9 being most severe.

Yazoo 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 ⁶
						CLB ¹	FLS ²	SBS ³	TS ⁴	SB ⁵		
		Inches	0 to 10 ⁷	0 to 10 ⁷	0 to 10 ⁷	0 to 9 ⁸	0 to 9 ⁸	0 to 9 ⁸	0 to 9 ⁸	0 to 9 ⁸	%	bu/acre
Progeny	P4970RX	26	2	2	0	7	0	7	7	1	13.3	61.5
Delta Grow	48X05 RR2X	23	2	2	0	7	0	8	7	1	12.4	59.2
Pioneer	P48A60X	33	2	1	0	8	0	7	7	6	12.9	55.4
NK	NK 49-F5X	26	2	2	0	6	0	7	7	2	13.1	55.2
Great Heart	GT-4677XS	33	2	1	0	7	0	7	6	5	13.1	54.7
Dyna-Gro	S46XS60	25	2	1	0	7	0	7	7	3	11.4	54.5
Dyna-Gro	S48XT90	26	2	1	0	7	0	7	6	3	11.9	54.4
NK	NK 47-Y9X	29	1	1	1	8	0	8	6	2	13.0	53.8
Asgrow	AG 48X9	27	1	1	1	7	0	6	6	3	12.0	53.4
Credenz	CZ 4979X	26	3	2	0	7	0	7	6	2	12.6	53.3
Local Seed	LS4795XS	22	1	1	0	7	0	7	5	2	12.2	52.8
Asgrow	AG 46X0	29	1	1	0	7	0	7	6	2	11.6	52.6
Pioneer	P46A86X	24	2	1	1	8	0	7	5	6	12.4	51.7
Progeny	P4821RX	26	2	2	0	7	0	7	7	6	12.5	50.0
Asgrow	AG 46X6	30	2	2	0	7	0	8	6	2	12.1	49.4
Armor	48-D25	25	1	1	0	7	0	7	7	2	12.9	48.2
Plot Average:											12.5	53.7

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

²- Frogeye leaf spot severity ratings

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

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

⁵- 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.

⁶- Soybean yield adjusted to standard moisture content of 13.0%.

⁷- Scores rated on scale of 0-10 with 0 being excellent and 10 being poor at harvest.

⁸- Scores rated on scale of 0-9 with 0 being excellent and 9 being most severe.