

2019 MSU Extension Soybean Variety Demonstration Program



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

2019 Locations

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

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

MSU Extension Participants

Program Coordinator: Dr. Trent Irby, Extension Soybean Specialist

| | | |
|----------------|----------------------|------------------|
| Dr. Tom Allen | Ty Jones | Alanna Scholtes |
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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 its continued support of these efforts. In addition, the seed companies and their representatives are sincerely appreciated for their support of this program. The relationships among participating individuals are critical for the continued success of this program.

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

2019 Location Details

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

Soybean Variety Characteristics

Maturity Group IV Early Roundup Ready 2 Xtend Set

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

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

²I = indeterminate; D = determinate

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

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

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

Maturity Group IV 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 | 48-D25 | 4.8 | RR2X | I | M | M | LT |
| Armor | 49-D66 | 4.9 | RR2X | I | M | T | G |
| Armor | 49-D67 | 4.9 | RR2X | I | M | T | LT |
| Asgrow | AG45X8 | 4.5 | RR2X/SR | I | MB | MT | LT |
| Asgrow | AG46X6 | 4.6 | RR2X | I | MB | MT | T |
| Asgrow | AG48X9 | 4.8 | RR2X/SR | I | MB | MT | LT |
| Credenz | CZ 4869 RR2X | 4.8 | RR2X | I | MB | MT | LT |
| Credenz | CZ 4979 RR2X | 4.9 | RR2X | I | MB | MT | G |
| Delta Grow | DG 46X25 RR2X | 4.6 | RR2X | I | B | MT | T |
| Delta Grow | DG 48X45 RR2X | 4.8 | RR2X | I | B | MT | LT |
| Dyna-Gro | S45XS37 | 4.5 | RR2X/STS | I | M | MT | T |
| Dyna-Gro | S45XS66 | 4.5 | RR2X/STS | I | B | MT | LT |
| Dyna-Gro | S48XT56 | 4.8 | RR2X | I | M | M | LT |
| Local Seed | LS4583X | 4.5 | RR2X | I | B | M | LT |
| Local Seed | LS4798X | 4.7 | RR2X | I | MB | T | LT |
| NK | S47-Y9X | 4.7 | RR2X | I | MB | MT | LT |
| NK | S49-F5X | 4.9 | RR2X | I | B | MT | LT |
| Pioneer | P48A60X | 4.8 | RR2X | I | MB | M | LT |
| Progeny | P 4620 RXS | 4.6 | RR2X/STS | I | MB | M | T |
| Progeny | P 4816 RX | 4.8 | RR2X | I | MB | MT | LT |
| Progeny | P 4851 RX | 4.8 | RR2X | I | B | T | LT |
| Progeny | P 4821 RX | 4.8 | RR2X | I | B | M | LT |
| Stratton (AGS) | AGS GS48X19 | 4.8 | RR2X | I | M | T | LT |
| Stratton (AGS) | AGS GS49X19 | 4.9 | RR2X | I | MB | MT | LT |
| Terral | REV 4927X | 4.9 | RR2X | I | B | MT | LT |
| Terral | REV 4940X | 4.9 | RR2X | I | MB | MT | LT |

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

²I = indeterminate; D = determinate

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

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

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

Soybean Variety Characteristics (continued)

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 | 51-D77 | 5.1 | RR2X | I | B | T | G |
| Armor | 52-D71 | 5.2 | RR2X | I | B | MT | LT |
| Asgrow | AG52X9 | 5.2 | RR2X/SR | I | MB | T | LT |
| Asgrow | AG53X9 | 5.3 | RR2X | I | MB | MT | G |
| Credenz | CZ 5299X | 5.2 | RR2X | I | MB | MT | G |
| Delta Grow | DG 54X25 | 5.4 | RR2X | D | MT | B | T |
| Dyna-Gro | S56XT99 | 5.6 | RR2X | D | MB | T | T |
| Local Seed | LS5087X | 5.0 | RR2X | I | MB | MT | LT |
| NK | S53-F7X | 5.3 | RR2X | I | MB | MT | G |
| Pioneer | P54A54X | 5.4 | RR2X | D | MB | M | G |
| Pioneer | P55A49X | 5.5 | RR2X | D | MB | S | G |
| Progeny | P 5252 RX | 5.2 | RR2X | I | B | T | G |
| Progeny | P 5688 RX | 5.6 | RR2X | D | MB | M | T |
| Stratton (AGS) | AGS GS52X19S | 5.2 | RR2X/STS | I | MB | MT | T |
| Terral | REV 5659X | 5.6 | RR2X | D | MB | M | T |

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

²I = indeterminate; D = determinate

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

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

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

Maturity Group IV LibertyLink, GTLL, Enlist E3 Set

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

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

²I = indeterminate; D = determinate

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

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

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

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

Total number of locations: 3

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

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

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

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

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

Total number of locations: 5

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

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

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

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

Maturity Group V Roundup Ready 2 Xtend Varieties Summarized across Non-irrigated Locations

Total number of locations: 8

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

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

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

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

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

Total number of locations: 3

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

| Brand | Variety | Avg. plant height | Avg. lodging score 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 |
| Go Soy | Go Soy 44GL18 | 41 | 2 | 0 | 1 | 11.7 | 57.7 |
| Credenz | CZ 4539GTL | 38 | 3 | 0 | 1 | 11.8 | 51.8 |
| Go Soy | Go Soy 481E19 | 44 | 4 | 0 | 2 | 12.8 | 46.3 |
| Delta Grow | DG 4977 LL | 38 | 2 | 0 | 1 | 11.3 | 45.5 |
| Average across all irrigated locations: | | | | | | 11.9 | 50.3 |

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

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

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

| Brand | Variety | Final height | Lodging score | Shattering score | Green stem score | Disease ratings | | | | | Seed moisture | Yield 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 |
| Credenz | CZ 4979X | 40 | 4 | 0 | 0 | - | - | - | - | - | 9.4 | 66.1 |
| Armor | 49-D66 | 42 | 2 | 0 | 0 | - | - | - | - | - | 9.4 | 62.0 |
| AGS | AGS GS49X19 | 41 | 3 | 0 | 0 | - | - | - | - | - | 8.9 | 61.5 |
| Terral | REV 4927X | 39 | 2 | 0 | 0 | - | - | - | - | - | 8.8 | 61.4 |
| Delta Grow | DG 48X45 RR2X | 31 | 1 | 0 | 0 | - | - | - | - | - | 9.6 | 60.5 |
| Progeny | P 4851 RX | 40 | 3 | 0 | 1 | - | - | - | - | - | 8.7 | 57.6 |
| Terral | REV 4940X | 35 | 2 | 0 | 1 | - | - | - | - | - | 8.4 | 57.1 |
| Progeny | P 4821 RX | 33 | 2 | 0 | 1 | - | - | - | - | - | 9.4 | 56.5 |
| Armor | 49-D67 | 39 | 1 | 0 | 0 | - | - | - | - | - | 8.9 | 55.9 |
| Asgrow | AG48X9 | 35 | 1 | 0 | 0 | - | - | - | - | - | 8.9 | 52.8 |
| NK | S49-F5X | 33 | 2 | 0 | 1 | - | - | - | - | - | 8.8 | 50.9 |
| Asgrow | AG46X6 | 36 | 4 | 0 | 0 | - | - | - | - | - | 9.3 | 47.4 |
| Asgrow | AG45X8 | 32 | 2 | 0 | 0 | - | - | - | - | - | 10.3 | 42.0 |
| Local Seed | LS4798X | 41 | 5 | 0 | 1 | - | - | - | - | - | 9.9 | 39.8 |
| Dyna-Gro | S45XS66 | 34 | 2 | 0 | 0 | - | - | - | - | - | 9.5 | 38.1 |
| Plot Average: | | | | | | | | | | | 9.2 | 54.0 |

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).

⁵Varieties 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.

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

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

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

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

| Brand | Variety | Final height | Lodging score | Shattering score | Green stem score | Disease ratings | | | | | Seed moisture | Yield 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 |
| Delta Grow | DG 54X25 RR2X | 36 | 1 | 0 | 3 | - | - | - | - | - | 8.1 | 57.2 |
| NK | S53-F7Z | 41 | 2 | 0 | 1 | - | - | - | - | - | 8.6 | 56.9 |
| Armor | 51-D77 | 41 | 3 | 0 | 2 | - | - | - | - | - | 8.1 | 56.8 |
| Armor | 52-D71 | 31 | 2 | 0 | 2 | - | - | - | - | - | 8.7 | 56.0 |
| Asgrow | AG53X9 | 37 | 3 | 0 | 2 | - | - | - | - | - | 8.8 | 55.8 |
| Credenz | CZ 5299X | 35 | 2 | 0 | 1 | - | - | - | - | - | 9.0 | 55.6 |
| Progeny | P 5688X | 29 | 1 | 0 | 2 | - | - | - | - | - | 9.2 | 51.6 |
| Pioneer | P54A54X | 36 | 1 | 0 | 2 | - | - | - | - | - | 8.9 | 50.4 |
| Pioneer | P55A49X | 25 | 1 | 0 | 1 | - | - | - | - | - | 8.6 | 50.2 |
| Local Seed | LS5087X | 41 | 3 | 0 | 1 | - | - | - | - | - | 8.5 | 44.3 |
| AGS | AGS GS52X19S | 38 | 2 | 0 | 1 | - | - | - | - | - | 9.4 | 44.0 |
| Dyna-Gro | S56XT99 | 33 | 1 | 0 | 3 | - | - | - | - | - | 8.9 | 43.1 |
| Progeny | P 5252 RX | 40 | 2 | 0 | 1 | - | - | - | - | - | 8.1 | 41.4 |
| Asgrow | AG52X9 | 38 | 4 | 0 | 1 | - | - | - | - | - | 8.9 | 38.8 |
| Terral | REV 5659X | 36 | 1 | 0 | 2 | - | - | - | - | - | 8.6 | 37.9 |
| Plot Average: | | | | | | | | | | | 8.7 | 49.3 |

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).

⁵Varieties 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.

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

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

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

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).

⁵Varieties 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.

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

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

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

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).

⁵Varieties 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.

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

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

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

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

| Brand | Variety | Final height | Lodging score | Shattering score | Green stem score | Disease ratings | | | | | Seed moisture | Yield 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 |
| Go Soy | Go Soy 481E19 | 38 | 2 | 0 | 0 | 7 | - | - | - | - | 12.9 | 61.5 |
| Go Soy | Go Soy 44GL18 | 35 | 7 | 0 | 0 | 6 | - | - | - | - | 12.7 | 56.2 |
| Delta Grow | DG 4977 LL | 44 | 7 | 0 | 0 | 7 | - | - | - | - | 12.8 | 54.1 |
| Credenz | CZ 4539GTLL | 38 | 4 | 0 | 0 | 5 | - | - | - | - | 12.8 | 53.0 |
| Plot Average: | | | | | | | | | | | 12.8 | 56.2 |

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).

⁵Varieties 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.

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

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

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

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

| Brand | Variety | Final height | Lodging score | Shattering score | Green stem score | Disease ratings | | | | | Seed moisture | Yield 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 |
| Go Soy | Go Soy 481E19 | 41 | 3 | 0 | 1 | - | - | - | - | - | 10.4 | 58.5 |
| Go Soy | Go Soy 44GL18 | 35 | - | - | - | - | - | - | - | - | 11.8 | 51.4 |
| Delta Grow | DG 4977 LL | 42 | 5 | 0 | 1 | - | - | - | - | - | 10.2 | 48.9 |
| Credenz | CZ 4539GTLL | 33 | 1 | 0 | 1 | - | - | - | - | - | 9.6 | 47.5 |
| Plot Average: | | | | | | | | | | | 10.5 | 51.6 |

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).

⁵Varieties 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.

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

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

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

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

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).

⁵Varieties 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.

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

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

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

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

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).

⁵Varieties 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.

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

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

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

Lefflore 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 |
| AGS | AGS GS48X19 | - | - | - | - | - | - | - | - | - | - | - |
| Armor | 48-D25 | - | - | - | - | - | - | - | - | - | - | - |
| Asgrow | AG46X6 | - | - | - | - | - | - | - | - | - | - | - |
| Asgrow | AG48X9 | - | - | - | - | - | - | - | - | - | - | - |
| Asgrow | AG45X8 | - | - | - | - | - | - | - | - | - | - | - |
| Credenz | CZ 4869X | - | - | - | - | - | - | - | - | - | - | - |
| Delta Grow | DG 46X25 RR2X | - | - | - | - | - | - | - | - | - | - | - |
| Dyna-Gro | S48XT56 | - | - | - | - | - | - | - | - | - | - | - |
| Dyna-Gro | S45XS37 | - | - | - | - | - | - | - | - | - | - | - |
| Local Seed | LS4583X | - | - | - | - | - | - | - | - | - | - | - |
| NK | S47-Y9X | - | - | - | - | - | - | - | - | - | - | - |
| Pioneer | P48A60X | - | - | - | - | - | - | - | - | - | - | - |
| Progeny | P 4816 RX | - | - | - | - | - | - | - | - | - | - | - |
| Progeny | P 4620 RXS | - | - | - | - | - | - | - | - | - | - | - |
| Terral | REV 4940X | - | - | - | - | - | - | - | - | - | - | - |
| Plot Average: | | | | | | | | | | | - | - |

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).

⁵Varieties 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.

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

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

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

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).

⁵Varieties 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.

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

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

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

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

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

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).

⁵Varieties 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.

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

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

⁸Scores 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 |
|----------------------|---------------|--------------|----------------------|----------------------|----------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------|--------------------|
| | | | | | | 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 |
| Armor | 51-D77 | 40 | 1 | 1 | 0 | - | - | - | - | - | 14.0 | 28.6 |
| Progeny | P 5688X | 42 | 1 | 1 | 0 | - | - | - | - | - | 12.1 | 26.2 |
| Asgrow | AG53X9 | 41 | 0 | 4 | 0 | - | - | - | - | - | 14.1 | 26.0 |
| Progeny | P 5252 RX | 40 | 1 | 2 | 0 | - | - | - | - | - | 14.5 | 25.8 |
| Delta Grow | DG 54X25 RR2X | 31 | 2 | 2 | 0 | - | - | - | - | - | 14.0 | 23.8 |
| Asgrow | AG52X9 | 37 | 0 | 4 | 0 | - | - | - | - | - | 13.7 | 23.3 |
| NK | S53-F7Z | 37 | 1 | 1 | 0 | - | - | - | - | - | 13.8 | 23.1 |
| Pioneer | P54A54X | 39 | 0 | 1 | 0 | - | - | - | - | - | 14.1 | 23.0 |
| Terral | REV 5659X | 38 | 2 | 1 | 0 | - | - | - | - | - | 13.6 | 22.0 |
| Pioneer | P55A49X | 40 | 1 | 1 | 0 | - | - | - | - | - | 13.7 | 20.6 |
| AGS | AGS GS52X19S | 35 | 0 | 6 | 0 | - | - | - | - | - | 14.4 | 20.4 |
| Dyna-Gro | S56XT99 | 26 | 0 | 1 | 0 | - | - | - | - | - | 13.8 | 19.5 |
| Armor | 52-D71 | 38 | 0 | 7 | 0 | - | - | - | - | - | 14.4 | 17.0 |
| Local Seed | LS5087X | 33 | 0 | 1 | 0 | - | - | - | - | - | - | - |
| Credenz | CZ 5299X | - | - | - | - | - | - | - | - | - | - | - |
| Plot Average: | | | | | | | | | | | 13.9 | 23.0 |

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).

⁵Varieties 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.

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

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

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

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

| Brand | Variety | Final height | Lodging score | Shattering score | Green stem score | Disease ratings | | | | | Seed moisture | Yield 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 | S44-C7X | 30 | 1 | 0 | 1 | - | - | - | - | - | 8.6 | 27.3 |
| Progeny | P 4444 RXS | 24 | 1 | 0 | 0 | - | - | - | - | - | 8.4 | 24.8 |
| Armor | 44-D92 | 32 | 1 | 0 | 0 | - | - | - | - | - | 8.5 | 23.1 |
| Pioneer | P44A72BX | 33 | 1 | 0 | 1 | - | - | - | - | - | 8.1 | 21.6 |
| Dyna-Gro | S43XS70 | 31 | 1 | 0 | 0 | - | - | - | - | - | 7.9 | 20.0 |
| Asgrow | AG43X8 | 36 | 1 | 0 | 0 | - | - | - | - | - | 7.6 | 19.6 |
| Local Seed | LS4299XS | 33 | 1 | 0 | 0 | - | - | - | - | - | 8.2 | 17.1 |
| Plot Average: | | | | | | | | | | | 8.2 | 21.9 |

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).

⁵Varieties 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.

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

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

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

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

| Brand | Variety | Final height | Lodging score | Shattering score | Green stem score | Disease ratings | | | | | Seed moisture | Yield 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 | S49-F5X | 36 | 2 | 0 | 1 | - | - | - | - | - | 8.0 | 26.8 |
| Armor | 49D-66 | 32 | 2 | 0 | 0 | - | - | - | - | - | 8.7 | 26.4 |
| Progeny | P 4851 RX | 37 | 2 | 0 | 1 | - | - | - | - | - | 8.2 | 26.2 |
| Credenz | CZ 4979X | 36 | 3 | 0 | 1 | - | - | - | - | - | 8.3 | 26.2 |
| Dyna-Gro | S45XS66 | 40 | 2 | 0 | 1 | - | - | - | - | - | 8.8 | 26.1 |
| AGS | AGS GS49X19 | 38 | 3 | 0 | 0 | - | - | - | - | - | 8.0 | 26.0 |
| Armor | 49-D67 | 46 | 2 | 0 | 1 | - | - | - | - | - | 9.2 | 25.2 |
| Progeny | P 4821 RX | 40 | 1 | 0 | 1 | - | - | - | - | - | 8.7 | 25.1 |
| Terral | REV 4927X | 41 | 1 | 0 | 1 | - | - | - | - | - | 8.2 | 24.9 |
| Delta Grow | DG 48X45 RR2X | 29 | 1 | 0 | 1 | - | - | - | - | - | 8.7 | 24.0 |
| Terral | REV 4940X | 31 | 1 | 0 | 1 | - | - | - | - | - | 9.2 | 24.0 |
| Local Seed | LS4798X | 35 | 2 | 0 | 1 | - | - | - | - | - | 9.1 | 22.0 |
| Asgrow | AG48X9 | 35 | 1 | 0 | 1 | - | - | - | - | - | 9.3 | 21.6 |
| Asgrow | AG45X8 | 31 | 1 | 0 | 1 | - | - | - | - | - | 8.9 | 20.7 |
| Asgrow | AG46X6 | 29 | 1 | 0 | 0 | - | - | - | - | - | 8.9 | 20.4 |
| Plot Average: | | | | | | | | | | | 8.7 | 24.4 |

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).

⁵Varieties 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.

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

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

⁸Scores 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 |
|----------------------|---------------|--------------|----------------------|----------------------|----------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------|--------------------|
| | | | | | | 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 |
| Terral | REV 5659X | 30 | 1 | 0 | 1 | - | - | - | - | - | 11.5 | 32.3 |
| Delta Grow | DG 54X25 RR2X | 29 | 1 | 0 | 1 | - | - | - | - | - | 9.5 | 30.1 |
| Armor | 51-D77 | 30 | 1 | 0 | 0 | - | - | - | - | - | 8.9 | 29.0 |
| Progeny | P 5252 RX | 33 | 1 | 0 | 1 | - | - | - | - | - | 9.2 | 28.4 |
| Armor | 52-D71 | 31 | 1 | 0 | 1 | - | - | - | - | - | 10.5 | 27.8 |
| Progeny | P 5688RX | 34 | 1 | 0 | 2 | - | - | - | - | - | 11.1 | 27.6 |
| Dyna-Grow | S56XT99 | 31 | 1 | 0 | 2 | - | - | - | - | - | 10.4 | 27.5 |
| Local Seed | LS5087X | 31 | 2 | 0 | 1 | - | - | - | - | - | 10.0 | 27.1 |
| Asgrow | AG53X9 | 32 | 1 | 0 | 0 | - | - | - | - | - | 9.9 | 27.0 |
| NK | S52-F7X | 26 | 1 | 0 | 1 | - | - | - | - | - | 9.1 | 26.4 |
| Pioneer | P54A54X | 33 | 1 | 0 | 1 | - | - | - | - | - | 8.9 | 26.2 |
| AGS | AGS GS52X19S | 30 | 1 | 0 | 1 | - | - | - | - | - | 9.7 | 25.8 |
| Pioneer | P55A49X | 30 | 1 | 0 | 0 | - | - | - | - | - | 9.8 | 25.7 |
| Asgrow | AG52X9 | 33 | 1 | 0 | 1 | - | - | - | - | - | 9.1 | 25.3 |
| Credenz | CZ 5299X | 30 | 1 | 0 | 1 | - | - | - | - | - | 9.0 | 24.6 |
| Plot Average: | | | | | | | | | | | 9.8 | 27.4 |

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).

⁵Varieties 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.

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

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

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

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

| Brand | Variety | Final height | Lodging score | Shattering score | Green stem score | Disease ratings | | | | | Seed moisture | Yield 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 |
| Go Soy | Go Soy 481E19 | 45 | 2 | 0 | 1 | - | - | - | - | - | 11.9 | 53.0 |
| Go Soy | Go Soy 44GL18 | 44 | 1 | 0 | 2 | - | - | - | - | - | 10.8 | 47.8 |
| Credenz | CZ 4539GTLL | 43 | 1 | 0 | 2 | - | - | - | - | - | 11.6 | 36.0 |
| Delta Grow | DG 4977 LL | 46 | 1 | 0 | 5 | - | - | - | - | - | 15.3 | 35.9 |
| Plot Average: | | | | | | | | | | | 12.4 | 43.2 |

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).

⁵Varieties 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.

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

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

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

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

| Brand | Variety | Final height | Lodging score | Shattering score | Green stem score | Disease ratings | | | | | Seed moisture | Yield 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 | P 4444 RXS | 22 | 1 | 0 | 1 | 7 | - | 8 | 6 | 5 | 12.9 | 45.4 |
| Asgrow | AG43X8 | 26 | 0 | 1 | 3 | 7 | - | 7 | 5 | 4 | 13.2 | 45.0 |
| Pioneer | P44A72BX | 23 | 0 | 1 | 2 | 6 | - | 7 | 6 | 3 | 12.6 | 38.4 |
| NK | S44-C7X | 21 | 0 | 1 | 3 | 7 | - | 8 | 6 | 3 | 13.1 | 36.7 |
| Local Seed | LS4299XS | 21 | 0 | 0 | 1 | 7 | - | 7 | 6 | 6 | 12.8 | 35.7 |
| Armor | 44-D92 | 21 | 0 | 1 | 1 | 7 | - | 8 | 7 | 5 | 12.6 | 31.7 |
| Dyna-Gro | S43XS70 | 21 | 0 | 1 | 2 | 7 | - | 7 | 7 | 5 | 12.8 | 31.4 |
| Plot Average: | | | | | | | | | | | 12.9 | 37.8 |

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).

⁵Varieties 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.

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

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

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

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

| Brand | Variety | Final height | 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 |
| AGS | AGS GS48X19 | 31 | 3 | 1 | 1 | 7 | - | 7 | 5 | 2 | 12.2 | 48.1 |
| Armor | 48-D25 | 26 | 3 | 0 | 3 | 6 | - | 7 | 5 | 1 | 12.1 | 44.1 |
| Dyna-Gro | S48XT56 | 21 | 1 | 1 | 6 | 6 | - | 6 | 6 | 1 | 12.8 | 44.1 |
| Progeny | P 4816 RX | 26 | 1 | 0 | 6 | 6 | - | 6 | 5 | 1 | 12.5 | 42.2 |
| Asgrow | AG46X6 | 28 | 3 | 0 | 3 | 7 | - | 7 | 5 | 1 | 12.7 | 40.6 |
| Dyna-Gro | S45XS37 | 26 | 1 | 0 | 4 | 7 | - | 7 | 6 | 2 | 11.1 | 40.5 |
| Pioneer | P48A60X | 26 | 1 | 0 | 4 | 7 | - | 8 | 7 | 3 | 11.5 | 39.5 |
| Asgrow | AG48X9 | 19 | 1 | 1 | 3 | 6 | - | 7 | 6 | 1 | 12.1 | 38.6 |
| NK | S47-Y9X | 26 | 1 | 1 | 2 | 7 | - | 7 | 6 | 2 | 12.3 | 36.2 |
| Local Seed | LS4583X | 20 | 0 | 0 | 2 | 7 | - | 7 | 6 | 1 | 11.8 | 36.1 |
| Progeny | P 4620 RXS | 20 | 1 | 0 | 1 | 7 | - | 7 | 5 | 2 | 11.7 | 35.3 |
| Delta Grow | DG 46X25 RR2X | 20 | 1 | 0 | 3 | 7 | - | 8 | 7 | 2 | 10.8 | 35.1 |
| Asgrow | AG45X8 | 21 | 0 | 0 | 3 | 7 | - | 7 | 6 | 4 | 12.5 | 32.4 |
| Credenz | CZ 4869X | 27 | 2 | 0 | 1 | 7 | - | 7 | 6 | 4 | 13.3 | 32.1 |
| Terral | REV 4940X | 22 | 1 | 0 | 4 | 6 | - | 6 | 5 | 1 | 12.6 | 27.7 |
| Plot Average: | | | | | | | | | | | 12.1 | 38.2 |

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).

⁵Varieties 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.

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

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

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

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

| Brand | Variety | Final height | 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 |
| AGS | AGS GS52X19S | 37 | 6 | 0 | 3 | 6 | - | 7 | 6 | 4 | 13.9 | 48.1 |
| Armor | 51-D77 | 38 | 6 | 0 | 3 | 9 | - | 7 | 6 | 2 | 13.7 | 46.5 |
| Pioneer | P55A49X | 17 | 1 | 0 | 1 | 7 | - | 7 | 5 | 4 | 13.0 | 46.5 |
| Progeny | P 5252 RX | 38 | 6 | 0 | 3 | 7 | - | 7 | 6 | 3 | 12.6 | 45.9 |
| Delta Grow | DG 54X25 RR2X | 18 | 1 | 0 | 2 | 6 | - | 7 | 6 | 5 | 13.6 | 45.7 |
| Local Seed | LS5087X | 29 | 2 | 0 | 3 | 7 | - | 7 | 6 | 5 | 13.1 | 44.8 |
| Armor | 52-D71 | 37 | 6 | 0 | 3 | 7 | - | 7 | 6 | 5 | 12.5 | 43.3 |
| Terral | REV 5659X | 21 | 1 | 0 | 2 | 6 | - | 7 | 5 | 2 | 13.2 | 43.3 |
| Credenz | CZ 5299X | 30 | 1 | 0 | 3 | 7 | - | 7 | 6 | 3 | 14.0 | 42.0 |
| Dyna-Gro | S56XT99 | 17 | 1 | 0 | 4 | 6 | - | 7 | 5 | 4 | 13.5 | 41.1 |
| Progeny | P 5688X | 24 | 1 | 0 | 5 | 6 | - | 7 | 6 | 1 | 14.0 | 39.8 |
| Pioneer | P54A54X | 17 | 1 | 0 | 3 | 6 | - | 7 | 6 | 5 | 12.7 | 37.2 |
| NK | S53-F7Z | 26 | 1 | 0 | 2 | 7 | - | 7 | 5 | 7 | 13.2 | 37.0 |
| Asgrow | AG53X9 | 21 | 1 | 1 | 4 | 7 | - | 7 | 6 | 6 | 13.3 | 32.9 |
| Asgrow | AG52X9 | 26 | 0 | 0 | 4 | 6 | - | 7 | 6 | 6 | 12.8 | 27.9 |
| Plot Average: | | | | | | | | | | | 13.3 | 41.5 |

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).

⁵Varieties 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.

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

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

⁸Scores 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 |
| Dyna-Gro | S45XS37 | 37 | 1 | 0 | 0 | - | - | - | - | - | 10.1 | 37.3 |
| Asgrow | AG45X8 | 36 | 1 | 0 | 0 | - | - | - | - | - | 10.5 | 37.2 |
| Asgrow | AG46X6 | 44 | 1 | 0 | 0 | - | - | - | - | - | 9.5 | 36.9 |
| NK | S47-Y9X | 37 | 3 | 0 | 0 | - | - | - | - | - | 9.0 | 36.5 |
| Delta Grow | DG 46X25 RR2X | 40 | 1 | 0 | 0 | - | - | - | - | - | 8.5 | 35.3 |
| Progeny | P 4620 RXS | 44 | 3 | 0 | 0 | - | - | - | - | - | 9.4 | 34.3 |
| Local Seed | LS4583X | 41 | 2 | 0 | 0 | - | - | - | - | - | 8.5 | 33.3 |
| Dyna-Gro | S48XT56 | 36 | 1 | 0 | 0 | - | - | - | - | - | 9.2 | 33.0 |
| Credenz | CZ 4869X | 32 | 1 | 0 | 0 | - | - | - | - | - | 9.3 | 32.3 |
| Pioneer | P48A60X | 39 | 2 | 0 | 0 | - | - | - | - | - | 8.7 | 31.8 |
| AGS | AGS GS48X19 | 34 | 2 | 0 | 0 | - | - | - | - | - | 8.4 | 31.3 |
| Armor | 48-D25 | 45 | 2 | 0 | 0 | - | - | - | - | - | 9.4 | 30.9 |
| Asgrow | AG48X9 | 37 | 1 | 0 | 0 | - | - | - | - | - | 9.4 | 28.2 |
| Progeny | P 4816 RX | 39 | 4 | 0 | 0 | - | - | - | - | - | 8.2 | 27.2 |
| Terral | REV 4940X | 35 | 2 | 0 | 0 | - | - | - | - | - | 8.8 | 25.7 |
| Plot Average: | | | | | | | | | | | 9.1 | 32.7 |

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).

⁵Varieties 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.

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

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

⁸Scores 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 |
|----------------------|---------------|--------------|----------------------|----------------------|----------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------|--------------------|
| | | | | | | 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 |
| Pioneer | P54A54X | 36 | 3 | 0 | 0 | - | - | - | - | - | 8.5 | 35.3 |
| Pioneer | P55A49X | 28 | 1 | 0 | 0 | - | - | - | - | - | 8.4 | 29.9 |
| Asgrow | AG53X9 | 38 | 5 | 0 | 0 | - | - | - | - | - | 8.6 | 29.2 |
| Armor | 52-D71 | 40 | 2 | 0 | 0 | - | - | - | - | - | 8.5 | 28.5 |
| Delta Grow | DG 54X25 RR2X | 30 | 2 | 0 | 0 | - | - | - | - | - | 9.1 | 28.3 |
| Dyna-Gro | S56XT99 | 34 | 2 | 0 | 0 | - | - | - | - | - | 8.7 | 26.4 |
| Local Seed | LS5087X | 39 | 4 | 0 | 0 | - | - | - | - | - | 8.7 | 25.1 |
| NK | S53-F7Z | 39 | 3 | 0 | 0 | - | - | - | - | - | 8.5 | 25.1 |
| Asgrow | AG52X9 | 40 | 4 | 0 | 0 | - | - | - | - | - | 8.5 | 23.8 |
| Credenz | CZ 5299X | 37 | 2 | 0 | 0 | - | - | - | - | - | 8.4 | 23.1 |
| Terral | REV 5659X | 38 | 2 | 0 | 0 | - | - | - | - | - | 8.6 | 23.1 |
| Armor | 51-D77 | 34 | 5 | 0 | 0 | - | - | - | - | - | 8.3 | 22.4 |
| Progeny | P 5252 RX | 28 | 4 | 0 | 0 | - | - | - | - | - | 7.9 | 21.9 |
| AGS | AGS GS52X19S | 35 | 2 | 0 | 0 | - | - | - | - | - | 8.4 | 20.4 |
| Progeny | P 5688X | 34 | 3 | 0 | 0 | - | - | - | - | - | 8.8 | 17.6 |
| Plot Average: | | | | | | | | | | | 8.5 | 25.3 |

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).

⁵Varieties 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.

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

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

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

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

| Brand | Variety | Final height | Lodging score | Shattering score | Green stem score | Disease ratings | | | | | Seed moisture | Yield 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 | P 4620 RXS | 34 | 1 | 0 | 0 | 7 | - | 6 | 8 | 1 | 10.3 | 37.3 |
| Terral | REV 4940X | 31 | 1 | 0 | 0 | 6 | - | 8 | 9 | 2 | 9.9 | 37.1 |
| Pioneer | P48A60X | 28 | 1 | 0 | 0 | 7 | 1 | 7 | 7 | 1 | 10.3 | 36.5 |
| Asgrow | AG46X6 | 30 | 1 | 0 | 0 | 7 | - | 7 | 7 | 1 | 10.4 | 36.1 |
| NK | S47-Y9X | 32 | 1 | 0 | 1 | 6 | 1 | 6 | 9 | 5 | 11.2 | 35.7 |
| AGS | AGS GS48X19 | 31 | 2 | 0 | 0 | 7 | - | 7 | 9 | 3 | 10.1 | 35.7 |
| Delta Grow | DG 46X25 RR2X | 32 | 1 | 0 | 0 | 6 | 2 | 6 | 9 | 5 | 10.6 | 35.6 |
| Dyna-Gro | S45XS37 | 33 | 1 | 0 | 0 | 7 | - | 8 | 6 | 1 | 10.8 | 34.3 |
| Asgrow | AG48X9 | 30 | 1 | 0 | 0 | 7 | - | 6 | 8 | 2 | 11.4 | 34.1 |
| Local Seed | LS4583X | 33 | 1 | 0 | 0 | 7 | - | 7 | 8 | 2 | 10.6 | 33.6 |
| Asgrow | AG45X8 | 28 | 1 | 0 | 0 | 7 | - | 8 | 8 | 3 | 11.8 | 33.1 |
| Armor | 48-D25 | 33 | 1 | 0 | 0 | 7 | 2 | 7 | 8 | 1 | 11.6 | 32.8 |
| Progeny | P 4816 RX | 29 | 1 | 0 | 0 | 6 | 2 | 7 | 5 | 1 | 10.0 | 32.2 |
| Dyna-Gro | S48XT56 | 30 | 1 | 0 | 0 | 7 | 2 | 7 | 7 | 1 | 11.4 | 28.7 |
| Credenz | CZ 4869X | 35 | 1 | 0 | 0 | 6 | - | 8 | 6 | 1 | 11.3 | 22.7 |
| Plot Average: | | | | | | | | | | | 10.8 | 33.7 |

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).

⁵Varieties 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.

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

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

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

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

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

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).

⁵Varieties 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.

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

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

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

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

| Brand | Variety | Final height | Lodging score | Shattering score | Green stem score | Disease ratings | | | | | Seed moisture | Yield 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 |
| Local Seed | LS4798X | 28 | 2 | 2 | 0 | 5 | - | 6 | 7 | - | 13.8 | 48.6 |
| Armor | 49-D67 | 23 | 1 | 0 | 0 | 6 | - | 7 | 5 | 1 | 14.0 | 47.1 |
| AGS | AGS GS49X19 | 24 | 1 | 2 | 0 | 6 | 1 | 6 | 5 | - | 14.1 | 46.1 |
| Armor | 49-D66 | 24 | 1 | 0 | 0 | 6 | - | 7 | 6 | - | 14.4 | 45.7 |
| Credenz | CZ 4979X | 23 | 1 | 1 | 0 | 6 | - | 6 | 5 | 1 | 14.0 | 42.6 |
| Asgrow | AG45X8 | 21 | 1 | 1 | 0 | 6 | - | 6 | 7 | - | 14.3 | 41.1 |
| Progeny | P 4821 RX | 24 | 1 | 0 | 0 | 7 | 2 | 6 | 5 | - | 13.7 | 40.3 |
| Terral | REV 4940X | 19 | 1 | 0 | 0 | 7 | - | 6 | 5 | 1 | 14.0 | 40.3 |
| Progeny | P 4851 RX | 22 | 1 | 1 | 0 | 6 | - | 6 | 6 | - | 13.3 | 39.4 |
| Dyna-Gro | S45XS66 | 22 | 1 | 1 | 0 | 6 | 1 | 6 | 4 | - | 14.6 | 38.3 |
| NK | S49-F5X | 21 | 1 | 1 | 0 | 6 | 3 | 8 | 6 | 1 | 14.3 | 36.8 |
| Asgrow | AG46X6 | 20 | 1 | 0 | 0 | 6 | - | 6 | 6 | - | 14.1 | 35.7 |
| Terral | REV 4927X | 16 | 1 | 0 | 0 | 6 | - | 4 | 6 | - | 13.7 | 34.7 |
| Delta Grow | DG 48X45 RR2X | 21 | 1 | 0 | 0 | 6 | - | 6 | 8 | - | 13.9 | 30.6 |
| Asgrow | AG48X9 | 20 | 1 | 2 | 0 | 7 | - | 7 | 4 | 1 | 14.6 | 23.4 |
| Plot Average: | | | | | | | | | | | 14.1 | 39.4 |

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).

⁵Varieties 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.

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

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

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

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

| Brand | Variety | Final height | Lodging score | Shattering score | Green stem score | Disease ratings | | | | | Seed moisture | Yield 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 | S49-F5X | 27 | 4 | 0 | 0 | 6 | - | - | - | - | 7.7 | 39.7 |
| Asgrow | AG48X9 | 30 | 1 | 0 | 1 | 6 | - | - | - | - | 8.7 | 39.0 |
| Progeny | P 4851 RX | 31 | 1 | 0 | 4 | 7 | - | - | - | - | 8.5 | 38.6 |
| Terral | REV 4940X | 29 | 4 | 0 | 1 | 6 | - | - | - | - | 7.6 | 37.7 |
| Armor | 49-D67 | 30 | 2 | 0 | 0 | 7 | - | - | - | - | 7.3 | 37.4 |
| Armor | 49-D66 | 30 | 1 | 0 | 0 | 6 | - | - | - | - | 8.3 | 37.0 |
| Dyna-Gro | S45XS66 | 31 | 2 | 0 | 0 | 6 | - | - | - | - | 8.1 | 36.9 |
| AGS | AGS GS49X19 | 29 | 1 | 0 | 2 | 7 | - | - | - | - | 8.5 | 36.8 |
| Credenz | CZ 4979X | 31 | 1 | 0 | 0 | 6 | - | - | - | - | 7.4 | 36.0 |
| Asgrow | AG45X8 | 30 | 1 | 0 | 1 | 5 | - | - | - | - | 7.8 | 35.4 |
| Asgrow | AG46X6 | 28 | 1 | 0 | 0 | 6 | - | - | - | - | 8.3 | 34.9 |
| Local Seed | LS4798X | 32 | 2 | 0 | 1 | 7 | - | - | - | - | 8.1 | 34.0 |
| Delta Grow | DG 48X45 RR2X | 25 | 1 | 0 | 2 | 5 | - | - | - | - | 10.6 | 33.5 |
| Progeny | P 4821 RX | 26 | 4 | 0 | 1 | 6 | - | - | - | - | 10.1 | 31.4 |
| Terral | REV 4927X | 29 | 2 | 0 | 1 | 7 | - | - | - | - | 8.8 | 26.0 |
| Plot Average: | | | | | | | | | | | 8.4 | 35.6 |

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).

⁵Varieties 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.

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

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

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

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