

2014 MSU-ES On-Farm Soybean Variety Demonstration Program



MISSISSIPPI STATE
UNIVERSITY
EXTENSION SERVICE

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During the 2014 growing season, a total of 17 on-farm soybean variety demonstration plots were successfully conducted. Due to the adverse weather conditions during the planting season, several intended locations were lost. The following information is intended to complement data generated through small-plot OVT testing programs.

2014 Locations

| County | Demonstration Type | Irrigation Method |
|------------|--------------------|-------------------|
| Bolivar | MG IV RR | Furrow |
| Chickasaw | MG V RR | None |
| Covington | MG IV RR | None |
| Hinds | MG V RR | None |
| Humphreys | MG IV RR | Furrow |
| Jones | MG V RR | None |
| Leflore | MG IV RR | Furrow |
| Leflore | MG V RR | Furrow |
| Madison | MG V RR | None |
| Monroe | MG V RR | None |
| Monroe | MG V RR | None |
| Oktibbeha | MG IV RR | None |
| Oktibbeha | MG V RR | None |
| Sharkey | MG IV RR | Furrow |
| Sharkey | MG V RR | Furrow |
| Washington | MG IV RR | Furrow |
| Washington | MG IV/V LL | Furrow |

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MSU-ES Participants

Mr. Preston Aust
 Mr. Andy Braswell
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The Mississippi State University Extension Service wishes to express special thanks to the many producers who cooperated with this year's on-farm soybean variety demonstration program. In addition, the seed companies and their representatives are sincerely appreciated for providing the seed used in this program. The relationships among participating individuals are critical for the continued success of this demonstration program.

Assistance in the conduct of this program provided by: Blake Thomason, Michael Houston, Jonathon Burton, and Barrett Steinwinder

2014 Location Information

| County | Plot Type | Planting Date | Seeding Rate | Planter Width | Row Spacing | Tillage System | Soil Series | Irrigation Method | Harvest Date |
|------------|------------|---------------|--------------|---------------|-------------|----------------|----------------------------|-------------------|--------------|
| Bolivar | MG IV RR | 20-May | 135,000 | 6 twin rows | 38" | Conventional | Forestdale silty clay loam | Furrow | 9-Oct |
| Chickasaw | MG V RR | 20-May | 140,000 | 20 rows | 15" | Conventional | Mayhew silt loam | None | 21-Oct |
| Covington | MG IV RR | 18-June | 130,000 | 18 rows | 20" | Strip till | Providence silt loam | None | 20-Oct |
| Hinds | MG V RR | 5-June | 135,000 | 8 rows | 30" | Conventional | Loring silt loam | None | 17-Oct |
| Humphreys | MG IV RR | 20-May | 140,000 | 16 twin rows | 38" | Conventional | Alligator-Dowling clays | Furrow | 7-Oct |
| Jones | MG V RR | 12-June | 117,000 | 5 rows | 36" | Conventional | Cahaba fine sandy loam | None | 7-Oct |
| Leflore | MG IV RR | 7-May | 120,000 | 16 rows | 38" | Conventional | Tensas silty clay loam | Furrow | 16-Sep |
| Leflore | MG V RR | 6-May | 135,000 | 6 rows | 38" | Conventional | Alligator clay | Furrow | 8-Oct |
| Madison | MG V RR | 2-May | 130,000 | 4 rows | 30" | No-till | Oaklimeter silt loam | None | 1-Oct |
| Monroe (1) | MG V RR | 25-Apr | 130,000 | 6 rows | 30" | Conventional | Vaiden silty clay | None | 10-Oct |
| Monroe (2) | MG V RR | 21-May | 115,000 | 4 rows | 30" | Conventional | Stough fine sandy loam | None | 17-Oct |
| Oktibbeha | MG IV RR | 22-May | 140,000 | 4 rows | 38" | Conventional | Marietta fine sandy loam | None | 25-Sep |
| Oktibbeha | MG V RR | 22-May | 140,000 | 4 rows | 38" | Conventional | Marietta fine sandy loam | None | 30-Sep |
| Sharkey | MG IV RR | 7-May | 140,000 | 6 rows | 38" | Conventional | Commerce silty clay loam | Furrow | 26-Sep |
| Sharkey | MG V RR | 7-May | 140,000 | 6 rows | 38" | Conventional | Commerce silty clay loam | Furrow | 26-Sep |
| Washington | MG IV RR | 19-May | 140,000 | 12 rows | 30" | Conventional | Sharkey-Dowling clays | Furrow | 10-Oct |
| Washington | MG IV/V LL | 17-June | 130,000 | 12 rows | 38" | Conventional | Sharkey-Dowling clays | Furrow | 27-Oct |

Soybean Variety Characteristics

Maturity Group IV Roundup Ready Varieties

| Brand | Variety | Relative Maturity | Herbicide Package ¹ | Growth Habit ² | Canopy Width ³ | Plant Height ⁴ | Plant Color ⁵ |
|------------|------------|-------------------|--------------------------------|---------------------------|---------------------------|---------------------------|--------------------------|
| Armor | DK 4744 | 4.7 | RR2Y/STS | I | M | M | LT |
| Asgrow | AG4531 | 4.5 | RR2Y/STS | I | MB | MT | LT |
| Asgrow | AG4632 | 4.6 | RR2Y/STS | I | MB | T | LT |
| Asgrow | AG4934 | 4.9 | RR2Y/STS | I | MB | T | LT |
| Credenz | HBK RY4620 | 4.6 | RR2Y/STS | I | MB | M | LT |
| Credenz | HBK RY4721 | 4.7 | RR2Y/STS | I | B | T | LT |
| Croplan | R2C4752S | 4.7 | RR2Y/STS | I | MB | M | G |
| Delta Grow | DG 4670R2Y | 4.6 | RR2Y | I | MB | MT | LT |
| Dyna-Gro | 31RY45 | 4.5 | RR2Y | I | M | T | LT |
| Mycogen | 5N451R2 | 4.5 | RR2Y | I | MB | M | LT |
| Mycogen | 5N478R2 | 4.7 | RR2Y/STS | I | M | T | LT |
| NK | S46-L2 | 4.6 | RR2Y | I | M | MT | G |
| Pioneer | 47T36R | 4.7 | RR | I | MB | MT | LT |
| Pioneer | 49T97R | 4.9 | RR | I | MB | M | T |
| Progeny | P 4850 RYS | 4.8 | RR2Y/STS | I | MB | T | G |
| Progeny | P 4900 RY | 4.9 | RR2Y | I | M | M | LT |
| Terral | REV 47R34 | 4.7 | RR | I | M | T | LT |
| Terral | REV 48R33 | 4.8 | RR | I | MB | MT | T |

Maturity Group V Roundup Ready Varieties

| Brand | Variety | Relative Maturity | Herbicide Package ¹ | Growth Habit ² | Canopy Width ³ | Plant Height ⁴ | Plant Color ⁵ |
|----------|------------|-------------------|--------------------------------|---------------------------|---------------------------|---------------------------|--------------------------|
| Armor | 53-R16 | 5.3 | RR2Y | D | B | M | LT |
| Asgrow | AG5233 | 5.2 | RR2Y/STS | I | MB | MT | LT |
| Asgrow | AG5332 | 5.3 | RR2Y | I | MB | MT | T |
| Asgrow | AG5533 | 5.5 | RR2Y/STS | D | MB | MT | G |
| Credenz | HBK RY5221 | 5.2 | RR2Y | I | B | T | G |
| Croplan | R2C5081 | 5 | RR2Y | D | M | M | G |
| Dyna-Gro | 32RY55 | 5.5 | RR2Y | D | MB | M | G |
| Dyna-Gro | 39RY57 | 5.7 | RR2Y | D | MB | M | T |
| Pioneer | 50T64R | 5.0 | RR | I | MB | MT | T |
| Pioneer | 53T73RS | 5.3 | RR/STS | D | MB | MT | LT |
| Pioneer | 54T94R | 5.4 | RR | D | MB | M | T |
| Progeny | P 5333 RY | 5.3 | RR2Y | D | M | M | G |
| Progeny | P 5555 RY | 5.5 | RR2Y | D | B | MT | T |
| Terral | REV 54R84 | 5.4 | RR | D | MB | MT | T |
| Terral | REV 55R53 | 5.5 | RR | D | MB | MT | T |
| Terral | REV 56R63 | 5.6 | RR | D | B | T | G |

¹ – RR = Roundup Ready; RR2Y = Roundup Ready 2 Yield; 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.)

| LibertyLink Varieties | | | | | | | |
|-----------------------|------------|-------------------|--------------------------------|---------------------------|---------------------------|---------------------------|--------------------------|
| Brand | Variety | Relative Maturity | Herbicide Package ¹ | Growth Habit ² | Canopy Width ³ | Plant Height ⁴ | Plant Color ⁵ |
| Credenz | HBK LL4650 | 4.6 | LL | I | B | T | LT |
| Credenz | HBK LL4953 | 4.9 | LL | I | MB | T | G |
| Delta Grow | DG 4967LL | 4.9 | LL | I | MB | MT | T |
| Delta Grow | DG 5461LL | 5.4 | LL | D | MB | M | T |
| Halo | 4:65 | 4.6 | LL | I | T | T | LT |
| Halo | 5:45 | 5.4 | LL | D | MB | M | G |
| Progeny | P 4560 LL | 4.5 | LL | I | MB | M | LT |
| Progeny | P 5160 LL | 5.1 | LL | D | M | M | T |
| Progeny | P 4928 LL | 4.9 | LL | I | MB | T | G |
| Progeny | P 5460 LL | 5.4 | LL | D | MB | T | LT |

¹ – LL = LibertyLink

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 RR Varieties Summarized across Irrigated Locations | | | | | |
|---|----------------|------------------------------|---------------------------|---------------------------|----------------------|
| Total number of locations: | | 5 | | | |
| Planting date range: | | 7-May-14 to 20-May-14 | | | |
| Company | Variety | Avg. Plant Height | Avg. Lodging Score | Avg. Seed Moisture | Average Yield |
| | | Inches | 0 to 10 | % | bu/acre |
| Armor | DK 4744 | 33 | 1 | 12.3 | 67.4 |
| Asgrow | AG4531 | 37 | 1 | 11.9 | 63.4 |
| Asgrow | AG4632 | 36 | 2 | 12.4 | 73.7 |
| Asgrow | AG4934 | 38 | 2 | 12.8 | 69.8 |
| Credenz | HBK RY4620 | 35 | 0 | 12.4 | 67.1 |
| Croplan | R2C4752S | 38 | 1 | 12.4 | 71.5 |
| Delta Grow | DG 4670R2Y | 34 | 1 | 12.5 | 72.3 |
| Dyna-Gro | 31RY45 | 33 | 2 | 12.5 | 72.0 |
| Mycogen | 5N451R2 | 37 | 2 | 12.6 | 72.0 |
| Mycogen | 5N478R2 | 38 | 2 | 12.9 | 70.1 |
| NK | S46-L2 | 33 | 2 | 13.2 | 68.0 |
| Pioneer | 47T36R | 35 | 1 | 12.5 | 71.3 |
| Pioneer | 49T97R | 33 | 0 | 12.9 | 68.7 |
| Progeny | P 4850 RYS | 37 | 1 | 13.3 | 72.2 |
| Progeny | P 4900 RY | 32 | 2 | 13.0 | 73.3 |
| Terral | REV 47R34 | 34 | 2 | 12.9 | 71.7 |
| Average across all irr. locations: | | | | 12.7 | 70.3 |

| Maturity Group IV RR Varieties Summarized across Non-irrigated Locations | | | | | |
|---|----------------|--------------------------------|---------------------------|---------------------------|----------------------|
| Total number of locations: | | 2 | | | |
| Planting date range: | | 22-May-14 to 18-June-14 | | | |
| Company | Variety | Avg. Plant Height | Avg. Lodging Score | Avg. Seed Moisture | Average Yield |
| | | Inches | 0 to 10 | % | bu/acre |
| Armor | DK 4744 | 34 | 1 | 12.3 | 40.6 |
| Asgrow | AG4531 | 34 | 1 | 12.7 | 36.7 |
| Asgrow | AG4632 | 39 | 1 | 12.9 | 46.7 |
| Asgrow | AG4934 | 41 | 1 | 13.1 | 50.5 |
| Credenz | HBK RY4721 | 40 | 1 | 13.7 | 42.9 |
| Croplan | R2C4752S | 42 | 1 | 12.7 | 46.6 |
| Delta Grow | DG 4670R2Y | 38 | 1 | 13.4 | 43.7 |
| Dyna-Gro | 31RY45 | 37 | 1 | 12.9 | 47.4 |
| Mycogen | 5N478R2 | 43 | 1 | 14.7 | 40.5 |
| Pioneer | 47T36R | 36 | 1 | 12.4 | 58.8 |
| Pioneer | 49T97R | 35 | 1 | 12.8 | 48.1 |
| Progeny | P 4850 RYS | 39 | 1 | 12.9 | 42.1 |
| Progeny | P 4900 RY | 32 | 1 | 13.7 | 41.3 |
| Terral | REV 47R34 | 39 | 1 | 12.9 | 49.0 |
| Terral | REV 48R33 | 39 | 1 | 13.0 | 43.1 |
| Average across all irr. locations: | | | | 13.0 | 45.2 |

| Maturity Group V RR Varieties Summarized across Irrigated Locations | | | | | |
|--|----------------|-----------------------------|---------------------------|---------------------------|----------------------|
| Total number of locations: | | 2 | | | |
| Planting date range: | | 6-May-14 to 7-May-14 | | | |
| Company | Variety | Avg. Plant Height | Avg. Lodging Score | Avg. Seed Moisture | Average Yield |
| | | Inches | 0 to 10 | % | bu/acre |
| Armor | 53-R16 | 31 | 1 | 11.9 | 72.2 |
| Asgrow | AG5233 | 39 | 3 | 12.4 | 77.9 |
| Asgrow | AG5332 | 39 | 7 | 12.5 | 79.4 |
| Asgrow | AG5533 | 35 | 2 | 11.7 | 78.8 |
| Credenz | HBK RY5221 | 40 | 5 | 10.9 | 74.5 |
| Croplan | R2C5081 | 31 | 1 | 11.9 | 73.7 |
| Dyna-Gro | 32RY55 | 35 | 1 | 11.8 | 71.1 |
| Dyna-Gro | 39RY57 | 39 | 2 | 11.1 | 70.8 |
| Pioneer | 50T64R | 35 | 1 | 11.2 | 75.9 |
| Pioneer | 53T73R | 36 | 2 | 11.6 | 81.5 |
| Progeny | P 5333 RY | 30 | 1 | 11.8 | 75.3 |
| Progeny | P 5555 RY | 36 | 4 | 12.8 | 79.2 |
| Terral | REV 54R84 | 31 | 4 | 11.2 | 71.6 |
| Terral | REV 55R53 | 34 | 2 | 11.2 | 79.8 |
| Terral | REV 56R63 | 32 | 5 | 11.7 | 72.9 |
| Average across all irr. locations: | | | | 11.7 | 75.6 |

| Maturity Group V RR Varieties Summarized across Non-irrigated Locations | | | | | |
|--|----------------|--------------------------------|---------------------------|---------------------------|----------------------|
| Total number of locations: | | 7 | | | |
| Planting date range: | | 25-Apr-14 to 12-June-14 | | | |
| Company | Variety | Avg. Plant Height | Avg. Lodging Score | Avg. Seed Moisture | Average Yield |
| | | Inches | 0 to 10 | % | bu/acre |
| Armor | 53-R16* | 35 | 0 | 14.8 | 52.0 |
| Asgrow | AG5233* | 32 | 0 | 14.4 | 50.1 |
| Asgrow | AG5332 | 36 | 4 | 14.2 | 52.9 |
| Asgrow | AG5533 | 37 | 1 | 14.6 | 50.3 |
| Credenz | HBK RY5221 | 38 | 1 | 14.9 | 51.6 |
| Croplan | R2C5081 | 33 | 1 | 14.6 | 52.2 |
| Dyna-Gro | 32RY55* | 34 | 0 | 15.4 | 55.1 |
| Dyna-Gro | 39RY57* | 33 | 1 | 14.6 | 53.2 |
| Pioneer | 53T73R* | 33 | 0 | 14.8 | 49.9 |
| Pioneer | 54T94R | 32 | 1 | 14.4 | 56.6 |
| Progeny | P 5333 RY | 34 | 0 | 14.2 | 56.1 |
| Progeny | P 5555 RY | 37 | 1 | 14.9 | 57.8 |
| Terral | REV 54R84 | 30 | 2 | 14.5 | 50.0 |
| Terral | REV 55R53 | 34 | 2 | 14.1 | 59.8 |
| Terral | REV 56R63 | 40 | 3 | 14.8 | 54.9 |
| Average across all non-irr. Locations: | | | | 14.6 | 53.5 |

* - Variety planted at 6 locations

| Bolivar County – Irrigated | | | | | |
|--|--------------|--------------|--------------|--------------|--------------|
| Maturity Group IV Roundup Ready | | | | | |
| Brand | Brand | Brand | Brand | Brand | Brand |
| Armor | DK 4744 | 30 | 1 | 13.9 | 75.4 |
| Asgrow | AG4531 | 41 | 1 | 14.2 | 75.8 |
| Asgrow | AG4632 | 34 | 1 | 14.2 | 77.5 |
| Asgrow | AG4934 | 44 | 4 | 14.3 | 79.3 |
| Credenz | HBK RY4620 | 33 | 1 | 14.9 | 77.0 |
| Croplan | R2C4752S | 36 | 0 | 14.1 | 73.3 |
| Delta Grow | DG 4670R2Y | 33 | 2 | 14.2 | 78.3 |
| Dyna-Gro | 31RY45 | 35 | 3 | 14.3 | 78.6 |
| Mycogen | 5N451R2 | 39 | 3 | 14.5 | 79.0 |
| Mycogen | 5N478R2 | 37 | 3 | 14.8 | 73.2 |
| NK | S46-L2 | 37 | 3 | 14.9 | 77.1 |
| Pioneer | 47T36R | 37 | 1 | 14.8 | 78.1 |
| Pioneer | 49T97R | 36 | 0 | 14.9 | 75.5 |
| Progeny | P 4850 RYS | 35 | 0 | 15.3 | 73.4 |
| Progeny | P 4900 RY | 35 | 0 | 14.9 | 82.0 |
| Terral | REV 47R34 | 34 | 5 | 15.6 | 75.9 |
| Plot Average: | | | | 14.6 | 76.8 |

| Covington County – Non-irrigated | | | | | |
|---|----------------|---------------------|----------------------|----------------------|--------------|
| Maturity Group IV Roundup Ready | | | | | |
| Brand | Variety | Final Height | Lodging Score | Seed Moisture | Yield |
| | | inches | 0 to 10 | % | bu/acre |
| Armor | DK 4744 | 33 | 1 | 10.7 | 36.9 |
| Asgrow | AG4531 | 34 | 1 | 11.0 | 26.2 |
| Asgrow | AG4632 | 40 | 1 | 10.2 | 43.6 |
| Asgrow | AG4934 | 43 | 1 | 10.1 | 53.0 |
| Credenz | HBK RY4721 | 39 | 2 | 11.7 | 40.1 |
| Croplan | R2C4752S | 42 | 1 | 11.0 | 41.8 |
| Delta Grow | DG 4670R2Y | 39 | 2 | 10.9 | 45.2 |
| Dyna-Gro | 31RY45 | 36 | 1 | 10.3 | 48.9 |
| Mycogen | 5N478R2 | 42 | 1 | 13.6 | 34.2 |
| Pioneer | 47T36R | 35 | 1 | 11.0 | 66.8 |
| Pioneer | 49T97R | 34 | 1 | 10.8 | 42.0 |
| Progeny | P 4850 RYS | 39 | 1 | 10.6 | 35.4 |
| Progeny | P 4900 RY | 33 | 1 | 10.3 | 33.5 |
| Terral | REV 47R34 | 37 | 1 | 10.3 | 43.9 |
| Terral | REV 48R33 | 38 | 2 | 10.6 | 37.1 |
| Plot Average: | | | | 10.9 | 41.9 |

| Humphreys County – Irrigated | | | | | |
|--|----------------|---------------------|----------------------|----------------------|--------------|
| Maturity Group IV Roundup Ready | | | | | |
| Brand | Variety | Final Height | Lodging Score | Seed Moisture | Yield |
| | | inches | 0 to 10 | % | bu/acre |
| Armor | DK 4744 | 35 | 0 | 13.8 | 75.1 |
| Asgrow | AG4531 | -- | -- | -- | -- |
| Asgrow | AG4632 | 41 | 2 | 14.1 | 80.5 |
| Asgrow | AG4934 | 43 | 5 | 12.6 | 78.9 |
| Credenz | HBK RY4620 | 39 | 0 | 13.4 | 72.9 |
| Croplan | R2C4752S | 45 | 0 | 13.3 | 78.9 |
| Delta Grow | DG 4670R2Y | 42 | 0 | 13.9 | 78.6 |
| Dyna-Gro | 31RY45 | 35 | 0 | 15.0 | 77.2 |
| Mycogen | 5N451R2 | 44 | 4 | 14.4 | 79.7 |
| Mycogen | 5N478R2 | 39 | 0 | 13.5 | 73.6 |
| NK | S46-L2 | 33 | 0 | 14.3 | 71.0 |
| Pioneer | 47T36R | 40 | 0 | 12.8 | 77.6 |
| Pioneer | 49T97R | 39 | 0 | 12.2 | 72.5 |
| Progeny | P 4850 RYS | 43 | 0 | 12.8 | 78.5 |
| Progeny | P 4900 RY | 35 | 3 | 12.2 | 80.2 |
| Terral | REV 47R34 | 40 | 1 | 12.8 | 80.8 |
| Plot Average: | | | | 13.4 | 77.1 |

| Leflore County – Irrigated | | | | | |
|--|----------------|---------------------|----------------------|----------------------|--------------|
| Maturity Group IV Roundup Ready | | | | | |
| Brand | Variety | Final Height | Lodging Score | Seed Moisture | Yield |
| | | inches | 0 to 10 | % | bu/acre |
| Armor | DK 4744 | 30 | 0 | 12.6 | 62.8 |
| Asgrow | AG4531 | 37 | 0 | 11.8 | 62.1 |
| Asgrow | AG4632 | 31 | 0 | 12.7 | 69.9 |
| Asgrow | AG4934 | 31 | 0 | 14.6 | 66.9 |
| Credenz | HBK RY4620 | 32 | 0 | 12.9 | 63.3 |
| Croplan | R2C4752S | 35 | 0 | 13.3 | 72.4 |
| Delta Grow | DG 4670R2Y | 27 | 0 | 12.5 | 68.4 |
| Dyna-Gro | 31RY45 | 30 | 0 | 11.8 | 70.6 |
| Mycogen | 5N451R2 | 31 | 0 | 12.3 | 71.2 |
| Mycogen | 5N478R2 | 36 | 0 | 13.8 | 69.1 |
| NK | S46-L2 | 26 | 0 | 13.7 | 63.5 |
| Pioneer | 47T36R | 32 | 0 | 13.0 | 65.8 |
| Pioneer | 49T97R | 29 | 0 | 14.9 | 69.9 |
| Progeny | P 4850 RYS | 30 | 0 | 15.2 | 68.8 |
| Progeny | P 4900 RY | 30 | 0 | 14.6 | 70.9 |
| Terral | REV 47R34 | 31 | 0 | 13.6 | 69.9 |
| Plot Average: | | | | 13.3 | 67.8 |

| Oktoberbeha County – Non-irrigated | | | | | |
|---|----------------|---------------------|----------------------|----------------------|--------------|
| Maturity Group IV Roundup Ready | | | | | |
| Brand | Variety | Final Height | Lodging Score | Seed Moisture | Yield |
| | | inches | 0 to 10 | % | bu/acre |
| Armor | DK 4744 | 36 | 0 | 13.9 | 44.4 |
| Asgrow | AG4531 | 35 | 0 | 14.3 | 47.3 |
| Asgrow | AG4632 | 38 | 0 | 15.5 | 49.8 |
| Asgrow | AG4934 | 39 | 0 | 16.0 | 48.0 |
| Credenz | HBK RY4721 | 42 | 0 | 15.7 | 45.7 |
| Croplan | R2C4752S | 43 | 0 | 14.4 | 51.4 |
| Delta Grow | DG 4670R2Y | 37 | 0 | 15.8 | 42.1 |
| Dyna-Gro | 31RY45 | 37 | 0 | 15.5 | 45.9 |
| Mycogen | 5N478R2 | 44 | 0 | 15.7 | 46.8 |
| Pioneer | 47T36R | 37 | 0 | 13.7 | 50.8 |
| Pioneer | 49T97R | 36 | 0 | 14.8 | 54.1 |
| Progeny | P 4850 RYS | 39 | 0 | 15.1 | 48.9 |
| Progeny | P 4900 RY | 31 | 0 | 17.0 | 49.1 |
| Terral | REV 47R34 | 41 | 0 | 15.4 | 54.2 |
| Terral | REV 48R33 | 39 | 0 | 15.4 | 49.2 |
| Plot Average: | | | | 15.2 | 48.5 |

| Sharkey County – Irrigated | | | | | |
|--|----------------|---------------------|----------------------|----------------------|--------------|
| Maturity Group IV Roundup Ready | | | | | |
| Brand | Variety | Final Height | Lodging Score | Seed Moisture | Yield |
| | | inches | 0 to 10 | % | bu/acre |
| Armor | DK 4744 | 39 | 2 | 8.8 | 72.2 |
| Asgrow | AG4531 | 44 | 3 | 8.7 | 79.5 |
| Asgrow | AG4632 | 44 | 5 | 8.6 | 77.7 |
| Asgrow | AG4934 | 43 | 3 | 8.8 | 78.6 |
| Credenz | HBK RY4620 | 42 | 1 | 8.9 | 75.5 |
| Croplan | R2C4752S | 48 | 5 | 8.6 | 76.9 |
| Delta Grow | DG 4670R2Y | 42 | 3 | 8.9 | 82.2 |
| Dyna-Gro | 31RY45 | 38 | 5 | 8.6 | 81.8 |
| Mycogen | 5N451R2 | 40 | 2 | 8.9 | 79.6 |
| Mycogen | 5N478R2 | 45 | 4 | 9.0 | 78.4 |
| NK | S46-L2 | 43 | 5 | 9.6 | 73.5 |
| Pioneer | 47T36R | 38 | 2 | 9.1 | 88.9 |
| Pioneer | 49T97R | 35 | 1 | 8.9 | 83.0 |
| Progeny | P 4850 RYS | 43 | 2 | 10.3 | 82.8 |
| Progeny | P 4900 RY | 34 | 5 | 9.3 | 88.8 |
| Terral | REV 47R34 | 37 | 5 | 9.0 | 83.9 |
| Plot Average: | | | | 9.0 | 80.2 |

| Washington County – Irrigated | | | | | |
|--|----------------|---------------------|----------------------|----------------------|--------------|
| Maturity Group IV Roundup Ready | | | | | |
| Brand | Variety | Final Height | Lodging Score | Seed Moisture | Yield |
| | | inches | 0 to 10 | % | bu/acre |
| Armor | DK 4744 | 31 | 0 | 12.6 | 51.8 |
| Asgrow | AG4531 | 26 | 0 | 12.7 | 36.4 |
| Asgrow | AG4632 | 29 | 0 | 12.6 | 62.9 |
| Asgrow | AG4934 | 31 | 0 | 13.9 | 45.1 |
| Credenz | HBK RY4620 | 30 | 0 | 12.1 | 47.1 |
| Croplan | R2C4752S | 28 | 0 | 12.7 | 56.3 |
| Delta Grow | DG 4670R2Y | 29 | 0 | 12.8 | 53.9 |
| Dyna-Gro | 31RY45 | 28 | 0 | 13.0 | 51.7 |
| Mycogen | 5N451R2 | 30 | 0 | 12.9 | 50.7 |
| Mycogen | 5N478R2 | 34 | 1 | 13.5 | 56.4 |
| NK | S46-L2 | 26 | 0 | 13.3 | 54.8 |
| Pioneer | 47T36R | 28 | 1 | 12.7 | 46.0 |
| Pioneer | 49T97R | 27 | 0 | 13.5 | 42.5 |
| Progeny | P 4850 RYS | 32 | 2 | 13.0 | 57.4 |
| Progeny | P 4900 RY | 28 | 0 | 13.9 | 44.7 |
| Terral | REV 47R34 | 27 | 0 | 13.5 | 48.3 |
| Plot Average: | | | | 13.0 | 50.4 |

| Chickasaw County – Non-irrigated | | | | | |
|---|----------------|---------------------|----------------------|----------------------|--------------|
| Maturity Group V Roundup Ready | | | | | |
| Brand | Variety | Final Height | Lodging Score | Seed Moisture | Yield |
| | | inches | 0 to 10 | % | bu/acre |
| Armor | 53-R16 | 36 | 0 | 13.9 | 51.6 |
| Asgrow | AG5233 | 34 | 0 | 14.4 | 44.2 |
| Asgrow | AG5332 | 36 | 5 | 14.4 | 39.9 |
| Asgrow | AG5533 | 39 | 0 | 13.7 | 50.2 |
| Credenz | HBK RY5221 | 35 | 0 | 13.3 | 48.1 |
| Croplan | R2C5081 | 31 | 0 | 15.1 | 46.0 |
| Dyna-Gro | 32RY55 | 30 | 0 | 13.4 | 55.1 |
| Dyna-Gro | 39RY57 | 33 | 0 | 15.0 | 46.5 |
| Pioneer | 53T73R | 33 | 0 | 14.2 | 49.1 |
| Pioneer | 54T94R | 28 | 0 | 14.2 | 44.6 |
| Progeny | P 5333 RY | 36 | 0 | 13.8 | 50.7 |
| Progeny | P 5555 RY | 35 | 0 | 14.2 | 49.6 |
| Terral | REV 54R84 | 35 | 3 | 14.3 | 42.0 |
| Terral | REV 55R53 | 35 | 0 | 13.2 | 49.1 |
| Terral | REV 56R63 | 28 | 0 | 13.4 | 54.2 |
| Plot Average: | | | | 14.0 | 48.1 |

| Hinds County – Non-irrigated | | | | | |
|---------------------------------------|----------------|---------------------|----------------------|----------------------|--------------|
| Maturity Group V Roundup Ready | | | | | |
| Brand | Variety | Final Height | Lodging Score | Seed Moisture | Yield |
| | | inches | 0 to 10 | % | bu/acre |
| Armor | 53-R16 | 37 | 0 | 12.6 | 58.0 |
| Asgrow | AG5233 | 37 | 0 | 13.0 | 55.5 |
| Asgrow | AG5332 | 36 | 5 | 12.4 | 58.1 |
| Asgrow | AG5533 | 43 | 2 | 12.5 | 58.4 |
| Credenz | HBK RY5221 | 31 | 3 | 14.3 | 51.0 |
| Croplan | R2C5081 | 38 | 1 | 13.3 | 57.3 |
| Dyna-Gro | 32RY55 | 38 | 0 | 14.3 | 60.1 |
| Dyna-Gro | 39RY57 | 34 | 2 | 12.2 | 60.4 |
| Pioneer | 53T73R | 35 | 0 | 13.1 | 57.0 |
| Pioneer | 54T94R | 33 | 1 | 13.8 | 58.3 |
| Progeny | P 5333 RY | 35 | 0 | 12.3 | 56.9 |
| Progeny | P 5555 RY | 43 | 1 | 12.6 | 63.0 |
| Terral | REV 54R84 | 31 | 3 | 12.1 | 56.3 |
| Terral | REV 55R53 | 33 | 3 | 12.5 | 59.1 |
| Terral | REV 56R63 | 42 | 5 | 13.3 | 57.3 |
| Plot Average: | | | | 13.0 | 57.8 |

| Jones County – Non-irrigated | | | | | |
|---------------------------------------|----------------|---------------------|----------------------|----------------------|--------------|
| Maturity Group V Roundup Ready | | | | | |
| Brand | Variety | Final Height | Lodging Score | Seed Moisture | Yield |
| | | inches | 0 to 10 | % | bu/acre |
| Armor | 53-R16 | 32 | 1 | 15.9 | 55.6 |
| Asgrow | AG5332 | 37 | 1 | 16.0 | 51.5 |
| Asgrow | AG5533 | 38 | 2 | 14.3 | 59.2 |
| Credenz | HBK RY5221 | 40 | 1 | 17.1 | 44.9 |
| Croplan | R2C5081 | 32 | 1 | 17.8 | 41.5 |
| Pioneer | 50T64R | 35 | 1 | 14.1 | 64.3 |
| Pioneer | 54T94R | 32 | 1 | 15.3 | 57.5 |
| Progeny | P 5333 RY | 32 | 1 | 15.9 | 47.6 |
| Progeny | P 5555 RY | 37 | 2 | 14.7 | 60.2 |
| Terral | REV 54R84 | 28 | 1 | 16.1 | 52.9 |
| Terral | REV 55R53 | 36 | 2 | 14.5 | 62.5 |
| Terral | REV 56R63 | 47 | 3 | 14.8 | 44.8 |
| Plot Average: | | | | 15.5 | 53.5 |

| Leflore County – Irrigated | | | | | |
|---------------------------------------|----------------|---------------------|----------------------|----------------------|--------------|
| Maturity Group V Roundup Ready | | | | | |
| Brand | Variety | Final Height | Lodging Score | Seed Moisture | Yield |
| | | inches | 0 to 10 | % | bu/acre |
| Armor | 53-R16 | 29 | 1 | 13.8 | 62.9 |
| Asgrow | AG5233 | 38 | 2 | 13.8 | 74.4 |
| Asgrow | AG5332 | 38 | 7 | 13.6 | 74.4 |
| Asgrow | AG5533 | 34 | 2 | 13.3 | 68.8 |
| Credenz | HBK RY5221 | 37 | 7 | 12.8 | 68.6 |
| Croplan | R2C5081 | 35 | 0 | 13.3 | 65.9 |
| Dyna-Gro | 32RY55 | 38 | 1 | 13.3 | 65.8 |
| Dyna-Gro | 39RY57 | 41 | 1 | 12.4 | 60.4 |
| Pioneer | 50T64R | 34 | 0 | 12.5 | 71.3 |
| Pioneer | 53T73R | 39 | 3 | 12.8 | 78.1 |
| Progeny | P 5333 RY | 31 | 1 | 12.7 | 60.8 |
| Progeny | P 5555 RY | 37 | 6 | 12.7 | 80.0 |
| Terral | REV 54R84 | 32 | 7 | 12.5 | 64.5 |
| Terral | REV 55R53 | 32 | 3 | 12.6 | 70.9 |
| Terral | REV 56R63 | 33 | 6 | 12.5 | 66.7 |
| Plot Average: | | | | 13.0 | 68.9 |

| Madison County – Non-irrigated | | | | | |
|---------------------------------------|----------------|---------------------|----------------------|----------------------|--------------|
| Maturity Group V Roundup Ready | | | | | |
| Brand | Variety | Final Height | Lodging Score | Seed Moisture | Yield |
| | | inches | 0 to 10 | % | bu/acre |
| Armor | 53-R16 | 23 | 0 | 12.2 | 67.7 |
| Asgrow | AG5233 | 31 | 0 | 11.7 | 65.5 |
| Asgrow | AG5332 | 35 | 0 | 11.9 | 71.0 |
| Asgrow | AG5533 | 28 | 0 | 13.0 | 70.1 |
| Credenz | HBK RY5221 | 33 | 0 | 12.6 | 69.5 |
| Croplan | R2C5081 | 24 | 0 | 11.8 | 62.5 |
| Dyna-Gro | 32RY55 | 29 | 0 | 13.5 | 66.7 |
| Dyna-Gro | 39RY57 | 25 | 0 | 11.8 | 66.6 |
| Pioneer | 53T73R | 28 | 0 | 12.4 | 63.9 |
| Pioneer | 54T94R | 28 | 0 | 11.7 | 72.2 |
| Progeny | P 5333 RY | 30 | 0 | 12.6 | 68.3 |
| Progeny | P 5555 RY | 31 | 0 | 12.9 | 74.7 |
| Terral | REV 54R84 | 21 | 0 | 11.4 | 66.0 |
| Terral | REV 55R53 | 25 | 0 | 11.7 | 72.3 |
| Terral | REV 56R63 | 31 | 0 | 11.7 | 63.6 |
| Plot Average: | | | | 12.2 | 68.0 |

| Monroe County (Location 1) – Non-irrigated | | | | | |
|---|----------------|---------------------|----------------------|----------------------|--------------|
| Maturity Group V Roundup Ready | | | | | |
| Brand | Variety | Final Height | Lodging Score | Seed Moisture | Yield |
| | | inches | 0 to 10 | % | bu/acre |
| Asgrow | AG5233 | 36 | -- | 13.2 | 62.4 |
| Asgrow | AG5332 | 32 | -- | 12.8 | 60.1 |
| Asgrow | AG5533 | 28 | -- | 12.5 | 47.7 |
| Credenz | HBK RY5221 | 32 | -- | 13.1 | 56.6 |
| Croplan | R2C5081 | 28 | -- | 13.5 | 53.2 |
| Dyna-Gro | 32RY55 | 25 | -- | 12.9 | 54.0 |
| Dyna-Gro | 39RY57 | 32 | -- | 12.9 | 57.1 |
| Pioneer | 53T73R | 31 | -- | 13.1 | 50.3 |
| Pioneer | 54T94R | 33 | -- | 12.8 | 54.9 |
| Progeny | P 5333 RY | 30 | -- | 13.0 | 52.7 |
| Progeny | P 5555 RY | 30 | -- | 12.9 | 53.2 |
| Terral | REV 54R84 | 25 | -- | 12.6 | 44.8 |
| Terral | REV 55R53 | 33 | -- | 12.4 | 56.4 |
| Terral | REV 56R63 | 35 | -- | 12.7 | 52.5 |
| Plot Average: | | | | 12.9 | 54.0 |

| Monroe County (Location 2) – Non-irrigated | | | | | |
|---|----------------|---------------------|----------------------|----------------------|--------------|
| Maturity Group V Roundup Ready | | | | | |
| Brand | Variety | Final Height | Lodging Score | Seed Moisture | Yield |
| | | inches | 0 to 10 | % | bu/acre |
| Armor | 53-R16 | 31 | -- | 14.4 | 50.1 |
| Asgrow | AG5233 | 29 | -- | 15.1 | 48.0 |
| Asgrow | AG5332 | 33 | -- | 14.5 | 45.5 |
| Asgrow | AG5533 | 28 | -- | 14.0 | 44.8 |
| Credenz | HBK RY5221 | 34 | -- | 15.3 | 45.1 |
| Croplan | R2C5081 | 30 | -- | 15.1 | 51.4 |
| Dyna-Gro | 32RY55 | 35 | -- | 13.6 | 48.8 |
| Dyna-Gro | 39RY57 | 35 | -- | 13.3 | 40.9 |
| Pioneer | 53T73R | 30 | -- | 14.1 | 43.0 |
| Pioneer | 54T94R | 27 | -- | 13.5 | 49.9 |
| Progeny | P 5333 RY | 29 | -- | 14.2 | 51.9 |
| Progeny | P 5555 RY | 30 | -- | 13.7 | 44.9 |
| Terral | REV 54R84 | 24 | -- | 13.7 | 42.8 |
| Terral | REV 55R53 | 36 | -- | 13.7 | 47.7 |
| Terral | REV 56R63 | 43 | -- | 13.8 | 43.5 |
| Plot Average: | | | | 14.1 | 46.6 |

| Oktober County – Non-irrigated | | | | | |
|---------------------------------------|----------------|---------------------|----------------------|----------------------|--------------|
| Maturity Group V Roundup Ready | | | | | |
| Brand | Variety | Final Height | Lodging Score | Seed Moisture | Yield |
| | | inches | 0 to 10 | % | bu/acre |
| Armor | 53-R16 | 37 | 0 | 15.8 | 47.5 |
| Asgrow | AG5233 | 30 | 0 | 15.3 | 45.0 |
| Asgrow | AG5332 | 36 | 0 | 14.8 | 51.4 |
| Asgrow | AG5533 | 41 | 0 | 15.9 | 45.5 |
| Credenz | HBK RY5221 | 43 | 0 | 15.6 | 50.6 |
| Croplan | R2C5081 | 35 | 0 | 14.8 | 52.5 |
| Dyna-Gro | 32RY55 | 37 | 0 | 17.3 | 53.3 |
| Dyna-Gro | 39RY57 | 35 | 0 | 16.8 | 52.0 |
| Pioneer | 53T73R | 34 | 0 | 16.2 | 47.1 |
| Pioneer | 54T94R | 33 | 0 | 15.3 | 57.0 |
| Progeny | P 5333 RY | 36 | 0 | 14.7 | 57.5 |
| Progeny | P 5555 RY | 41 | 0 | 16.2 | 58.0 |
| Terral | REV 54R84 | 32 | 0 | 15.6 | 49.2 |
| Terral | REV 55R53 | 34 | 0 | 15.2 | 61.7 |
| Terral | REV 56R63 | 43 | 0 | 16.4 | 57.1 |
| Plot Average: | | | | 15.7 | 52.4 |

| Sharkey County – Irrigated | | | | | |
|---------------------------------------|----------------|---------------------|----------------------|----------------------|--------------|
| Maturity Group V Roundup Ready | | | | | |
| Brand | Variety | Final Height | Lodging Score | Seed Moisture | Yield |
| | | inches | 0 to 10 | % | bu/acre |
| Armor | 53-R16 | 32 | 1 | 10.0 | 81.4 |
| Asgrow | AG5233 | 40 | 3 | 10.9 | 81.4 |
| Asgrow | AG5332 | 41 | 7 | 11.3 | 84.5 |
| Asgrow | AG5533 | 37 | 2 | 10.0 | 88.7 |
| Credenz | HBK RY5221 | 42 | 3 | 8.9 | 80.4 |
| Croplan | R2C5081 | 28 | 1 | 10.4 | 81.4 |
| Dyna-Gro | 32RY55 | 32 | 1 | 10.2 | 76.4 |
| Dyna-Gro | 39RY57 | 37 | 2 | 9.7 | 81.1 |
| Pioneer | 50T64R | 36 | 1 | 9.9 | 80.4 |
| Pioneer | 53T73R | 33 | 0 | 10.4 | 84.9 |
| Progeny | P 5333 RY | 29 | 0 | 10.8 | 89.9 |
| Progeny | P 5555 RY | 36 | 1 | 12.8 | 78.4 |
| Terral | REV 54R84 | 29 | 1 | 9.8 | 78.8 |
| Terral | REV 55R53 | 36 | 0 | 9.7 | 88.7 |
| Terral | REV 56R63 | 31 | 3 | 10.8 | 79.2 |
| Plot Average: | | | | 10.4 | 82.4 |

| Washington County – Irrigated | | | | | |
|--|----------------|---------------------|----------------------|----------------------|--------------|
| Maturity Group IV/V LibertyLink | | | | | |
| Brand | Variety | Final Height | Lodging Score | Seed Moisture | Yield |
| | | inches | 0 to 10 | % | bu/acre |
| Progeny | P 4560 LL | -- | 0 | 13.1 | 39.9 |
| Hornbeck | HBK LL4650 | -- | 0 | 13.3 | 39.7 |
| Halo | 4:65 | -- | 0 | 12.9 | 44.3 |
| Progeny | P 4928 LL | -- | 0 | 12.7 | 48.3 |
| Hornbeck | HBK LL4953 | -- | 0 | 12.7 | 52.1 |
| Delta Grow | DG 4967LL | -- | 0 | 12.8 | 52.7 |
| Progeny | P 5160 LL | -- | 0 | 11.9 | 50.2 |
| Halo | 5:45 | -- | 0 | 12.6 | 49.9 |
| Delta Grow | DG 5461LL | -- | 0 | 12.3 | 43.5 |
| Progeny | P 5460 LL | -- | 0 | 12.5 | 36.6 |
| Plot Average: | | | | 12.7 | 45.7 |