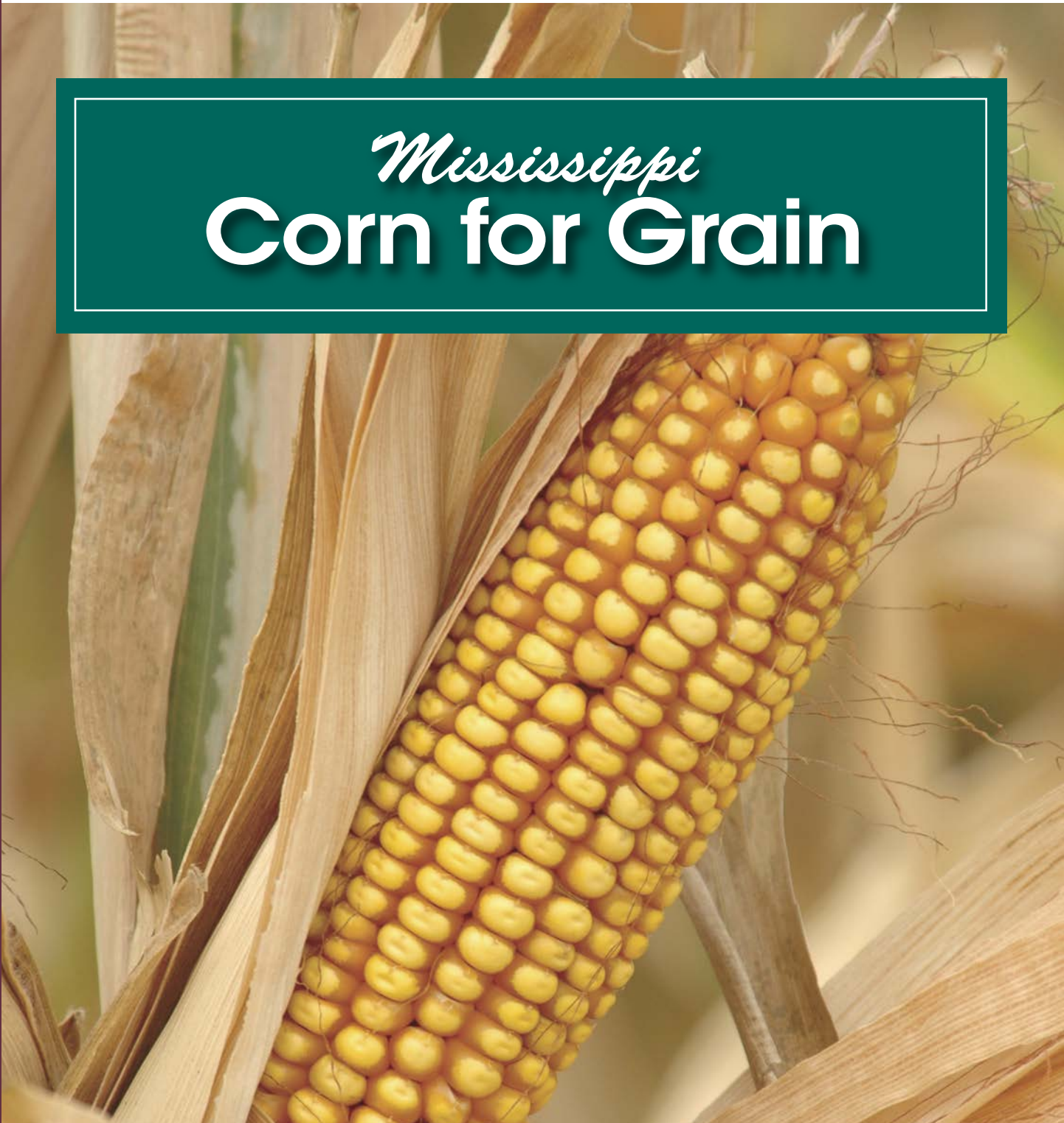




# *Mississippi* Corn for Grain

## HYBRID TRIALS, 2016

MISSISSIPPI'S OFFICIAL VARIETY TRIALS



**MISSISSIPPI STATE UNIVERSITY™**  
MS AGRICULTURAL AND  
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# NOTICE TO USER

This Mississippi Agricultural and Forestry Experiment Station information bulletin is a summary of research conducted under project number MIS 1414 at locations shown on the map on the second page. It is intended for colleagues, cooperators, and sponsors. The interpretation of data presented in this report may change after additional experimentation. Information included is not to be construed as a recommendation for use or as an endorsement of a specific product by Mississippi State University or the Mississippi Agricultural and Forestry Experiment Station.

This report contains data generated as part of the Mississippi Agricultural and Forestry Experiment Station research program. Joint sponsorship by the organizations listed on pages 35–36 is gratefully acknowledged.

Trade names of commercial products used in this report are included only for clarity and understanding. All available names (i.e., trade names, chemical names, etc.) of products used in this research project are listed on pages 35–36.



# Mississippi Corn for Grain Hybrid Trials, 2016

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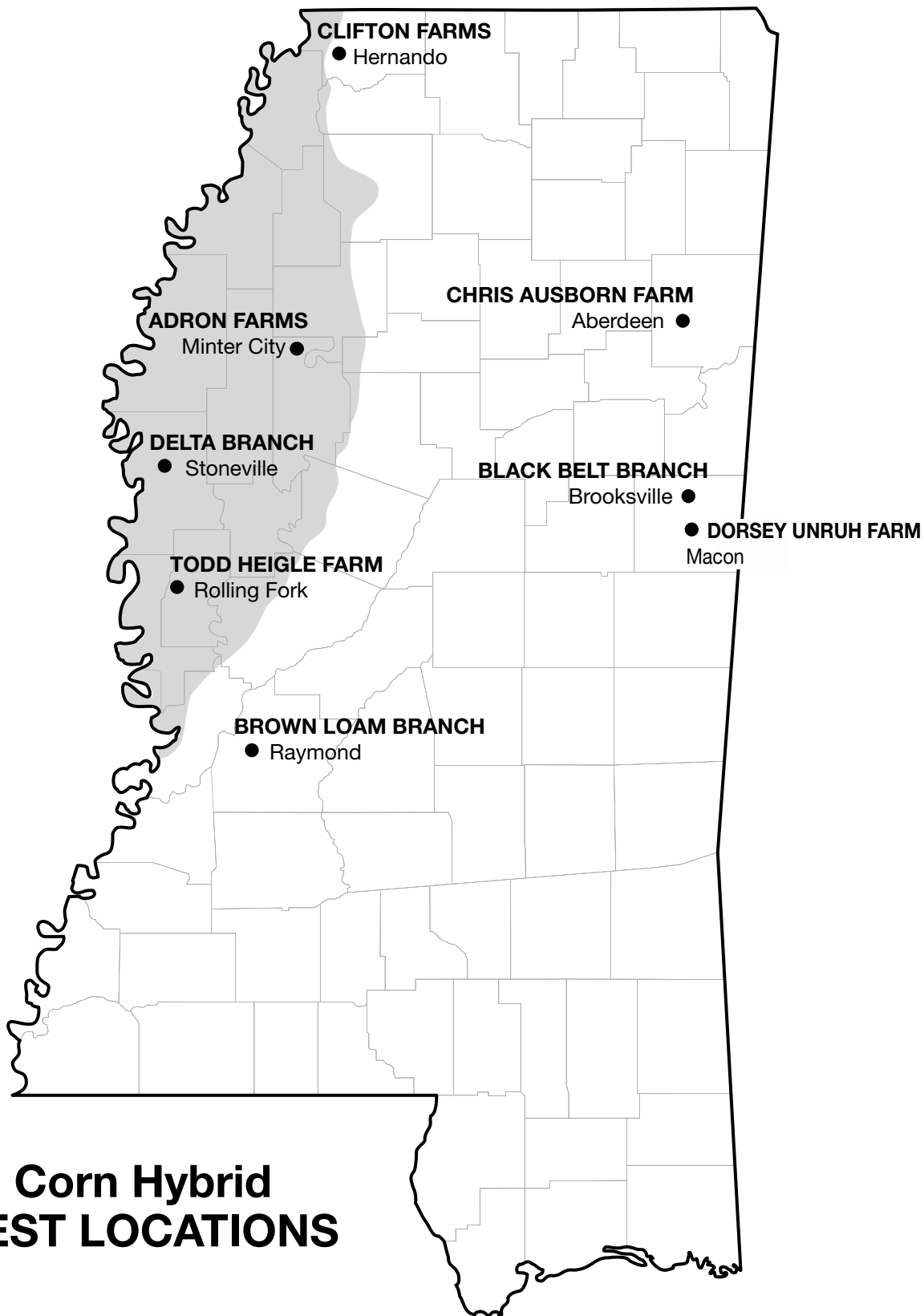
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Find variety trial information online at [mafes.msstate.edu/variety-trials](http://mafes.msstate.edu/variety-trials).



# Corn Hybrid TEST LOCATIONS





# Mississippi Corn for Grain Hybrid Trials, 2016

## PROCEDURES

Trials were conducted on Experiment Station land or on grower-cooperator fields in two geographical areas in Mississippi: Area I, located in the hill region of Mississippi (one irrigated and four dryland locations); and Area II, located in the Delta region of Mississippi (three irrigated locations) (see map). Commercial seed companies were given the opportunity to enter hybrids in either Area I or Area II or both.

Plots consisted of two 30-inch rows, 15 feet long. Weeds were controlled by cultivation and/or herbicides. Only herbicides currently registered for use on corn were used in these studies, with strict adherence to all label instructions.

All hybrids were treated with Poncho or Cruiser for seedling insect control. Experimental design was a randomized complete block with four replications at each location.

Seed of all entries were supplied by participating companies. All seed were packaged for planting at seeding rates suggested by the participating company and planted with a cone planter. Fertilizer was applied according to soil test recommendations. Plots in Area I were grown under both dryland and irrigated conditions, and plots in Area II were grown under irrigated conditions. All irrigated trials were either furrow or center-pivot irrigated, as necessary.

## VARIABLES MEASURED IN THE CORN HYBRID TESTS

**Yield:** An Almaco SPC 40 plot combine was used to harvest the total area of each plot. Harvested grain was weighed, moisture was determined, and yields were converted to bushels per acre at 14% moisture.

**Ear Height:** Ear height is the distance from the soil to the highest ear-bearing node.

**Harvest Population:** Harvest population is a measure of the number of plants per acre, based on actual stand counts.

## USE OF DATA TABLES AND SUMMARY STATISTICS

The yield potential of a given hybrid cannot be measured with complete accuracy. Consequently, replicate plots of all hybrids are evaluated for yield, and the yield of a given hybrid is estimated as the mean of all replicate plots of that hybrid. Yields vary somewhat from one replicate plot to another, which introduces a certain degree of error to the value. As a result, although the mean yields of some hybrids are numerically different, the two hybrids may not be significantly different from each other within the range of natural variation. That is, the ability to measure yield is not precise enough to determine what the small differences are, other than what might be observed purely by chance.

The least significant difference (LSD) is an estimate of the smallest difference between two hybrids that can be declared to be the result of something other than random variation in a particular trial. Consider the following example for a given trial:

| Hybrid    | Yield   |
|-----------|---------|
| A .....   | 90 bu/A |
| B .....   | 85 bu/A |
| C .....   | 81 bu/A |
| LSD ..... | 7 bu/A  |

The difference between hybrid A and hybrid B is 5 bu/A (i.e.,  $90 - 85 = 5$ ). This difference is smaller than the LSD (7 bu/A). Consequently, we would conclude that hybrid A and hybrid B have the same yield potential, since we are unable to say that the observed difference did not occur purely due to chance. However, the difference between hybrid A and hybrid C is 9 bu/A (i.e.,  $90 - 81 = 9$ ), which is larger than the LSD (7 bu/A). We would therefore conclude that the yield potential of hybrid A is superior to that of hybrid C.

The coefficient of variation (CV) is a measure of the relative precision of a given trial and is used to compare the relative precision of different trials. The CV is gener-



ally considered an estimate of the amount of unexplained variation in a given trial. This unexplained variation can be the result of variation between plots with respect to soil type, fertility, insects, diseases, moisture stress, etc. Overall, as the CV increases, the precision of a given trial decreases.

The coefficient of determination ( $R^2$ ) is another measure of the level of precision in a trial and is also used to compare the relative precision of different trials. The  $R^2$  is a

measure of the amount of variation that is explained, or accounted for, in a given trial. For example, an  $R^2$  value of 90 percent indicates that 90 percent of the observed variation in the trial has been accounted for in the trial, with the remaining 10 percent being unaccounted for. The higher the  $R^2$  value, the more precise the trial. The  $R^2$  is generally considered a better measure of precision than the CV for comparison of different trials.

**Table 1. 2016 corn hybrid trials location summary.**

| Location                        | Irrigation       | Soil type                              | Planting date          | Harvest date | Row spacing |
|---------------------------------|------------------|----------------------------------------|------------------------|--------------|-------------|
| Aberdeen, Chris Ausborn Farm    | Nonirrigated     | Houston clay                           | 4/8                    | 8/31         | 30"         |
| Brooksville, Black Belt Branch  | Nonirrigated     | Brooksville silty clay                 | 4/9                    | 8/16         | 30"         |
| Hernando, Clifton Farms         | Nonirrigated     | Collins silt loam                      | 4/8                    | 9/8          | 30"         |
| Raymond, Brown Loam Branch      | Nonirrigated     | Loring silt loam                       | 4/5, 4/29 <sup>1</sup> | 9/7          | 30"         |
| Macon, Dorsey Unruh Farm        | Pivot Irrigated  | Brooksville & Vaiden silty clay        | 4/22                   | 9/2          | 30"         |
| Minter City, Ricky Belk Farm    | Furrow Irrigated | Dubbs & Dundee silt loam               | 4/19                   | 8/30         | 30"         |
| Rolling Fork, Todd Heigle Farm  | Furrow Irrigated | Commerce silty clay loam               | 4/6                    | 9/1          | 30"         |
| Stoneville (clay), Delta Branch | Furrow Irrigated | Sharkey clay                           | 5/5                    | 9/1          | 30"         |
| Stoneville (loam), Delta Branch | Furrow Irrigated | Bosket & Commerce very fine sandy loam | 3/28                   | 8/29         | 30"         |

<sup>1</sup>Replanted on 4/29.

**Table 2. 2016 corn hybrid yield summary for dryland locations.**

| Brand      | Hybrid number <sup>1</sup> | Aberdeen    | Brooksville | Hernando    | Raymond     | Overall avg. |
|------------|----------------------------|-------------|-------------|-------------|-------------|--------------|
|            |                            | <i>bu/A</i> | <i>bu/A</i> | <i>bu/A</i> | <i>bu/A</i> | <i>bu/A</i>  |
| AgriGold   | A6719VT2PRO                | 199.1       | 107.6       | 108.5       | 85.5        | 125.2        |
| AgriGold   | A6499VT2RIB                | 181.0       | 110.7       | 88.7        | 115.7       | 124.0        |
| AgriGold   | A6544VT2PRO                | 184.9       | 124.1       | 109.9       | 128.0       | 136.7        |
| AgriGold   | A6559VT2RIB                | 192.0       | 91.8        | 133.2       | 91.1        | 127.0        |
| AgriGold   | A6572VT2PRO                | 196.5       | 118.0       | 137.4       | 127.0       | 144.7        |
| AgriGold   | A6652VT2PRO                | 192.8       | 99.6        | 98.3        | 99.3        | 122.5        |
| AgriGold   | A6659 VT2 RIB              | 184.9       | 127.4       | 80.9        | 147.9       | 135.3        |
| AgriGold   | A6711VT2PRO                | 180.7       | 94.4        | 103.5       | 128.0       | 126.7        |
| AgriGold   | A6687VT2PRO                | 175.1       | 120.9       | 99.1        | 134.6       | 132.4        |
| AgVenture  | RL8714YHB                  | 198.8       | 84.1        | 92.3        | 151.8       | 131.8        |
| Armor      | 1414                       | 192.9       | 167.4       | 132.9       | 124.3       | 154.4        |
| Armor      | 1500                       | 180.4       | 104.3       | 119.8       | 126.8       | 132.8        |
| Armor      | 1717                       | 178.7       | 107.2       | 115.9       | 162.9       | 141.2        |
| Armor      | AXC6116 *                  | 180.8       | 93.5        | 114.4       | 81.8        | 117.6        |
| Armor      | AXG6118 *                  | 179.0       | 88.0        | 123.1       | 99.6        | 122.4        |
| Augusta    | 1564                       | 180.7       | 127.2       | 65.5        | 130.6       | 126.0        |
| Augusta    | 5566                       | 177.8       | 95.1        | 115.6       | 112.3       | 125.2        |
| Augusta    | 5664                       | 170.7       | 114.5       | 120.7       | 111.6       | 129.4        |
| Augusta    | 7766                       | 183.3       | 116.5       | 107.0       | 141.9       | 137.2        |
| Croplan    | 5290DG/VT2P                | 181.4       | 128.3       | 121.5       | 125.9       | 139.3        |
| Croplan    | 6640VT3                    | 186.3       | 139.8       | 71.4        | 163.7       | 140.3        |
| DeKalb     | DKC62-08                   | 183.9       | 104.2       | 114.0       | 116.5       | 129.7        |
| DeKalb     | DKC62-20RIB                | 195.0       | 128.7       | 97.5        | 143.8       | 141.2        |
| DeKalb     | DKC64-35                   | 190.4       | 128.0       | 101.1       | 146.6       | 141.5        |
| DeKalb     | DKC66-59                   | 188.9       | 135.8       | 108.8       | 140.8       | 143.6        |
| DeKalb     | DKC66-75                   | 198.0       | 102.9       | 105.5       | 142.9       | 137.3        |
| DeKalb     | DKC67-14                   | 190.1       | 140.6       | 99.0        | 137.6       | 141.8        |
| DeKalb     | DKC67-44                   | 202.9       | 112.9       | 134.0       | 149.9       | 149.9        |
| DeKalb     | DKC67-72                   | 183.5       | 112.8       | 123.5       | 131.5       | 137.8        |
| DeKalb     | DKC68-26                   | 171.9       | 146.9       | 88.4        | 125.9       | 133.3        |
| DeKalb     | DKC70-27                   | 188.7       | 98.7        | 101.9       | 136.2       | 131.4        |
| Delta Grow | DG 2688                    | 155.7       | 72.9        | 90.3        | 129.3       | 112.0        |
| Delta Grow | DG 2888                    | 170.2       | 84.7        | 111.2       | 104.2       | 117.6        |

<sup>1</sup>Hybrid followed by an asterisk indicates an experimental entry.

**Table 2 (continued). 2016 corn hybrid yield summary for dryland locations.**

| Brand                                                                        | Hybrid number <sup>1</sup> | Aberdeen    | Brooksville | Hernando    | Raymond     | Overall avg. |
|------------------------------------------------------------------------------|----------------------------|-------------|-------------|-------------|-------------|--------------|
|                                                                              |                            | <i>bu/A</i> | <i>bu/A</i> | <i>bu/A</i> | <i>bu/A</i> | <i>bu/A</i>  |
| Delta Grow                                                                   | DG 3660                    | 165.9       | 126.6       | 63.2        | 72.6        | 107.1        |
| Dyna-Gro                                                                     | D54VC52                    | 184.2       | 94.9        | 105.4       | 108.2       | 123.2        |
| Dyna-Gro                                                                     | D57VP51                    | 169.9       | 118.0       | 88.0        | 153.5       | 132.4        |
| Dyna-Gro                                                                     | D57VP75                    | 197.5       | 118.0       | 99.9        | 163.3       | 144.7        |
| Great Heart Seed                                                             | HT 7261 VT3P RIB           | 163.1       | 112.4       | 74.5        | 116.3       | 116.6        |
| Mycogen                                                                      | 2C797                      | 190.2       | 126.6       | 102.0       | 126.8       | 136.4        |
| Mycogen                                                                      | 2D848                      | 187.8       | 133.2       | 93.2        | 143.9       | 139.5        |
| Mycogen                                                                      | 2Y744                      | 184.4       | 74.8        | 96.3        | 100.9       | 114.1        |
| Mycogen                                                                      | X13813VH *                 | 194.7       | 104.5       | 118.5       | 147.1       | 141.2        |
| Mycogen                                                                      | X13823S3 *                 | 182.8       | 90.4        | 115.7       | 131.6       | 130.1        |
| Mycogen                                                                      | X14677S2 *                 | 181.3       | 100.3       | 99.3        | 110.1       | 122.8        |
| Mycogen                                                                      | X14730VH *                 | 187.6       | 101.7       | 128.2       | 138.3       | 139.0        |
| NK Brand                                                                     | 68K                        | 168.2       | 100.5       | 44.6        | 150.0       | 115.8        |
| NK Brand                                                                     | 69D                        | 165.3       | 104.0       | 102.8       | 108.3       | 120.1        |
| Pioneer                                                                      | P1197YHR                   | 178.1       | 98.7        | 95.5        | 159.9       | 133.1        |
| Pioneer                                                                      | P1637YHR                   | 199.5       | 100.7       | 110.5       | 128.4       | 134.8        |
| Pioneer                                                                      | P2089YHR-S                 | 183.7       | 95.3        | 110.0       | 139.7       | 132.2        |
| Progeny Ag                                                                   | PGY 4117 VT3P              | 185.2       | 104.7       | 105.0       | 141.6       | 134.1        |
| Progeny Ag                                                                   | PGY 6119VT2P               | 195.2       | 125.7       | 102.0       | 117.9       | 135.2        |
| Progeny Ag                                                                   | PGY EXP1615VT2P *          | 178.9       | 103.4       | 81.5        | 112.9       | 119.2        |
| Progeny Ag                                                                   | PGY 6116VT2P               | 192.8       | 130.6       | 103.9       | 129.2       | 139.1        |
| Progeny Ag                                                                   | PGY 5115VT2P               | 194.6       | 143.2       | 85.9        | 154.6       | 144.6        |
| Terral Seed                                                                  | REV 22BHR43                | 177.7       | 115.0       | 94.3        | 113.1       | 125.0        |
| Terral Seed                                                                  | REV 24BHR93                | 168.4       | 132.2       | 87.9        | 109.1       | 124.4        |
| Terral Seed                                                                  | REV 26BHR50                | 192.6       | 108.6       | 87.8        | 127.7       | 129.2        |
| Terral Seed                                                                  | REV 28HR20                 | 185.4       | 116.9       | 86.4        | 101.2       | 122.5        |
| Terral Seed                                                                  | REV 28R10                  | 186.6       | 118.4       | 102.9       | 105.4       | 128.3        |
| Terral Seed                                                                  | REV 23BHR55                | 186.2       | 92.0        | 99.1        | 112.0       | 122.3        |
| Terral Seed                                                                  | REV 25BHR26                | 181.6       | 87.3        | 108.2       | 114.5       | 122.9        |
| Mean                                                                         |                            | 184.0       | 111.4       | 102.0       | 126.4       | 128.9        |
| LSD                                                                          |                            | 15.0        | 14.3        | 23.2        | 21.6        |              |
| Error df                                                                     |                            | 183         | 183         | 122         | 122         |              |
| CV                                                                           |                            | 7.0         | 11          | 16.8        | 12.6        |              |
| R <sup>2</sup>                                                               |                            | 50.0        | 77.8        | 61.9        | 71.8        |              |
| <sup>1</sup> Hybrid followed by an asterisk indicates an experimental entry. |                            |             |             |             |             |              |

**Table 3. Two-year corn hybrid yield summary for dryland locations.**

| Brand                                                                        | Hybrid number <sup>1</sup> | Aberdeen    | Brooksville | Overall avg. |
|------------------------------------------------------------------------------|----------------------------|-------------|-------------|--------------|
|                                                                              |                            | <i>bu/A</i> | <i>bu/A</i> | <i>bu/A</i>  |
| AgriGold                                                                     | A6719VT2PRO                | 201.4       | 139.1       | 170.2        |
| AgriGold                                                                     | A6711VT2PRO                | 193.3       | 126.2       | 159.7        |
| AgriGold                                                                     | A6659 VT2 RIB              | 205.1       | 149.9       | 177.5        |
| AgriGold                                                                     | A6499VT2RIB                | 192.8       | 137.7       | 165.3        |
| AgriGold                                                                     | A6559VT2RIB                | 194.2       | 132.7       | 163.5        |
| AgriGold                                                                     | A6687VT2PRO                | 178.3       | 134.4       | 156.4        |
| Armor                                                                        | 1414                       | 197.3       | 166.9       | 182.1        |
| Armor                                                                        | 1717                       | 185.1       | 136.9       | 161.0        |
| Croplan                                                                      | 6640VT3                    | 200.0       | 170.9       | 185.4        |
| DeKalb                                                                       | DKC66-59                   | 196.0       | 146.9       | 171.4        |
| DeKalb                                                                       | DKC67-14                   | 209.9       | 155.7       | 182.8        |
| DeKalb                                                                       | DKC67-72                   | 194.6       | 141.7       | 168.1        |
| DeKalb                                                                       | DKC68-26                   | 183.5       | 166.0       | 174.7        |
| DeKalb                                                                       | DKC62-08                   | 187.9       | 134.8       | 161.4        |
| Delta Grow                                                                   | DG 2888                    | 181.5       | 124.7       | 153.1        |
| Delta Grow                                                                   | DG 3660                    | 189.9       | 147.2       | 168.5        |
| Dyna-Gro                                                                     | D57VP51                    | 192.7       | 139.5       | 166.1        |
| Dyna-Gro                                                                     | D57VP75                    | 192.7       | 152.2       | 172.4        |
| Mycogen                                                                      | 2C797                      | 196.0       | 147.9       | 172.0        |
| Mycogen                                                                      | 2Y744                      | 188.8       | 111.3       | 150.1        |
| Mycogen                                                                      | X13813VH *                 | 190.8       | 133.2       | 162.0        |
| <sup>1</sup> Hybrid followed by an asterisk indicates an experimental entry. |                            |             |             |              |

**Table 3 (continued). Two-year corn hybrid yield summary for dryland locations.**

| Brand        | Hybrid number <sup>1</sup> | Aberdeen    | Brooksville | Overall avg. |
|--------------|----------------------------|-------------|-------------|--------------|
|              |                            | <i>bu/A</i> | <i>bu/A</i> | <i>bu/A</i>  |
| Mycogen      | 2D848                      | 189.1       | 154.7       | 171.9        |
| Progeny Ag   | PGY4117VT3P                | 181.4       | 126.0       | 153.7        |
| Progeny Ag   | PGY5115VT2P                | 199.3       | 154.5       | 176.9        |
| Progeny Ag   | PGY6116VT2P                | 202.1       | 144.8       | 173.4        |
| Terral Seed  | REV 23BHR55                | 192.8       | 128.3       | 160.6        |
| Terral Seed  | REV 25BHR26                | 177.0       | 122.9       | 149.9        |
| Terral Seed  | REV 26BHR50                | 190.4       | 121.4       | 155.9        |
| Terral Seed  | REV 28HR20                 | 193.1       | 136.4       | 164.7        |
| Terral Seed  | REV 22BHR43                | 174.8       | 130.1       | 152.4        |
| Terral Seed  | REV 24BHR93                | 183.4       | 140.7       | 162.1        |
| Overall Mean |                            | 191.5       | 140.5       | 166.0        |

<sup>1</sup>Hybrid followed by an asterisk indicates an experimental entry.

**Table 4. Three-year corn hybrid yield summary for dryland locations.**

| Brand        | Hybrid number | Aberdeen    | Brooksville | Overall avg. |
|--------------|---------------|-------------|-------------|--------------|
|              |               | <i>bu/A</i> | <i>bu/A</i> | <i>bu/A</i>  |
| AgriGold     | A6719VT2PRO   | 190.5       | 151.1       | 170.8        |
| AgriGold     | A6499VT2RIB   | 182.6       | 151.0       | 166.8        |
| AgriGold     | A6559VT2RIB   | 180.3       | 155.2       | 167.8        |
| AgriGold     | A6659VT2RIB   | 197.1       | 157.4       | 177.3        |
| AgriGold     | A6687VT2PRO   | 173.5       | 153.9       | 163.7        |
| Armor        | 1414          | 177.8       | 174.4       | 176.1        |
| Croplan      | 6640VT3       | 194.1       | 179.7       | 186.9        |
| DeKalb       | DKC62-08      | 180.0       | 156.6       | 168.3        |
| Delta Grow   | DG 2888       | 178.1       | 146.6       | 162.4        |
| Delta Grow   | DG 3660       | 191.2       | 166.8       | 179.0        |
| Dyna-Gro     | D57VP51       | 191.4       | 158.5       | 175.0        |
| Dyna-Gro     | D57VP75       | 184.0       | 165.8       | 174.9        |
| Mycogen      | 2C797         | 186.4       | 165.5       | 176.0        |
| Progeny Ag   | PGY4117VT3P   | 178.5       | 144.5       | 161.5        |
| Progeny Ag   | PGY5115VT2P   | 193.3       | 165.5       | 179.4        |
| Terral Seed  | REV 24BHR93   | 182.3       | 158.6       | 170.5        |
| Terral Seed  | REV 26BHR50   | 178.4       | 156.3       | 167.3        |
| Terral Seed  | REV 28HR20    | 190.6       | 146.5       | 168.5        |
| Terral Seed  | REV 23BHR55   | 183.2       | 153.4       | 168.3        |
| Overall Mean |               | 184.9       | 158.3       | 171.6        |

Table 5. 2016 corn hybrid yield summary for irrigated locations.

| Brand            | Hybrid number <sup>1</sup> | Macon       | Minter City | Rolling Fork | Stoneville (clay) | Stoneville (loam) | Overall avg. |
|------------------|----------------------------|-------------|-------------|--------------|-------------------|-------------------|--------------|
|                  |                            | <i>bu/A</i> | <i>bu/A</i> | <i>bu/A</i>  | <i>bu/A</i>       | <i>bu/A</i>       | <i>bu/A</i>  |
| AgriGold Hybrids | A 6719 VT2PRO              | 240.9       | 240.6       | 226.7        | 190.7             | 215.1             | 222.8        |
| AgriGold Hybrids | A6499 VT2 RIB              | 225.1       | 224.1       | 210.0        | 155.8             | 207.1             | 204.4        |
| AgriGold Hybrids | A6544VT2PRO                | 242.6       | 273.7       | 222.5        | 192.1             | 215.6             | 229.3        |
| AgriGold Hybrids | A6559VT2RIB                | 213.2       | 236.2       | 217.5        | 173.8             | 180.4             | 204.2        |
| AgriGold Hybrids | A6572VT2PRO                | 227.7       | 241.0       | 201.3        | 177.7             | 223.1             | 214.2        |
| AgriGold Hybrids | A6652VT2PRO                | 241.3       | 243.9       | 228.1        | 197.7             | 193.5             | 220.9        |
| AgriGold Hybrids | A6659 VT2 RIB              | 230.2       | 220.7       | 200.0        | 196.5             | 203.1             | 210.1        |
| AgriGold Hybrids | A6687VT2PRO                | 230.2       | 251.4       | 216.6        | 175.3             | 206.4             | 216.0        |
| AgriGold Hybrids | A6711VT2PRO                | 247.3       | 252.6       | 219.3        | 191.8             | 217.7             | 225.8        |
| AgVenture        | RL9801YHB                  | 257.2       | 262.9       | 234.8        | 191.0             | 224.5             | 234.1        |
| AgVenture        | RL8430YHB                  | 227.5       | 249.6       | 237.4        | 185.9             | 226.5             | 225.4        |
| AgVenture        | RL8714YHB                  | 243.2       | 247.5       | 249.0        | 191.9             | 223.7             | 231.1        |
| AgVenture        | RL9583YHB                  | 262.6       | 247.8       | 240.4        | 190.5             | 217.3             | 231.7        |
| Armor            | 1414                       | 248.8       | 251.0       | 178.6        | 183.0             | 219.6             | 216.2        |
| Armor            | 1500PRO2                   | 214.1       | 202.7       | 198.1        | 156.2             | 174.1             | 189.1        |
| Armor            | 1717PRO2                   | 250.9       | 258.8       | 217.0        | 193.9             | 220.8             | 228.3        |
| Armor            | AXC6116PRO2 *              | 238.1       | 241.3       | 222.4        | 168.7             | 202.8             | 214.6        |
| Armor            | AXG6118 *                  | 201.6       | 226.5       | 223.9        | 175.5             | 200.1             | 205.5        |
| Augusta          | 1564                       | 224.3       | 231.8       | 209.8        | 168.3             | 176.1             | 202.1        |
| Augusta          | 1565 *                     | 216.4       | 231.2       | 208.9        | 144.9             | 191.6             | 198.6        |
| Augusta          | 5062                       | 243.1       | 264.5       | 207.2        | 183.8             | 174.7             | 214.7        |
| Augusta          | 5566                       | 220.0       | 229.6       | 227.5        | 181.9             | 192.8             | 210.3        |
| Augusta          | 5664                       | 212.8       | 212.8       | 210.4        | 162.3             | 199.7             | 199.6        |
| Augusta          | 7766                       | 236.1       | 245.0       | 238.5        | 163.0             | 199.7             | 216.5        |
| Augusta          | 7767                       | 245.9       | 243.5       | 203.0        | 191.2             | 199.4             | 216.6        |
| Augusta          | 7768                       | 245.4       | 218.7       | 226.0        | 202.9             | 190.5             | 216.7        |
| Augusta          | 8868                       | 215.8       | 262.2       | 217.4        | 178.6             | 236.0             | 222.0        |
| B-H Genetics     | BH 8590VT2P                | 228.2       | 242.3       | 199.9        | 178.1             | 223.2             | 214.3        |
| B-H Genetics     | BH 9000VT2P                | 242.5       | 234.7       | 231.3        | 188.6             | 212.4             | 221.9        |
| Croplan          | 5290DG/VT2P                | 237.7       | 243.8       | 202.5        | 191.0             | 207.0             | 216.4        |
| Croplan          | 5570VT2P                   | 244.7       | 230.3       | 211.7        | 184.5             | 211.9             | 216.6        |
| Croplan          | 5678VT2P                   | 245.3       | 250.5       | 211.5        | 182.6             | 222.1             | 222.4        |
| Croplan          | 6640VT3                    | 245.8       | 232.9       | 218.6        | 185.9             | 210.4             | 218.7        |
| DeKalb           | DKC62-08                   | 227.4       | 242.4       | 212.9        | 184.5             | 222.8             | 218.0        |
| DeKalb           | DKC62-20RIB                | 218.3       | 250.7       | 194.3        | 187.4             | 199.1             | 209.9        |
| DeKalb           | DKC64-35                   | 251.8       | 233.8       | 222.7        | 170.5             | 226.5             | 221.1        |
| DeKalb           | DKC66-59                   | 250.9       | 232.9       | 221.1        | 187.2             | 235.7             | 225.5        |
| DeKalb           | DKC66-75                   | 251.4       | 264.8       | 210.3        | 198.1             | 229.0             | 230.7        |
| DeKalb           | DKC67-14                   | 241.8       | 234.3       | 227.4        | 213.1             | 219.8             | 227.3        |
| DeKalb           | DKC67-44                   | 259.9       | 240.3       | 218.5        | 208.3             | 229.8             | 231.4        |
| DeKalb           | DKC67-72                   | 242.7       | 229.3       | 219.3        | 194.7             | 206.5             | 218.5        |
| DeKalb           | DKC68-26                   | 254.5       | 274.6       | 232.3        | 189.5             | 224.2             | 235.0        |
| DeKalb           | DKC70-27                   | 248.0       | 263.8       | 220.8        | 195.6             | 240.7             | 233.8        |
| Delta Grow       | DG 2688                    | 213.2       | 221.5       | 205.0        | 175.5             | 148.3             | 192.7        |
| Delta Grow       | DG 2888                    | 220.4       | 215.6       | 219.7        | 172.1             | 162.9             | 198.1        |
| Delta Grow       | DG 3660                    | 242.1       | 210.4       | 225.9        | 203.8             | 204.0             | 217.2        |
| Dyna-Gro         | D54VC52                    | 212.3       | 207.8       | 204.6        | 165.7             | 191.0             | 196.3        |
| Dyna-Gro         | D57VP51                    | 227.9       | 249.1       | 215.9        | 201.8             | 213.0             | 221.5        |
| Dyna-Gro         | D57VP75                    | 212.8       | 271.5       | 194.9        | 172.0             | 219.7             | 214.2        |
| Dyna-Gro         | D58VC37                    | 246.9       | 243.8       | 207.4        | 193.3             | 207.9             | 219.9        |
| Great Heart Seed | HT-7778 VT3PRIB            | 222.0       | 243.5       | 243.7        | 170.5             | 204.0             | 216.7        |
| Great Heart Seed | HT-7493VT2P                | 225.7       | 217.2       | 212.3        | 175.3             | 220.6             | 210.2        |
| Great Heart Seed | HX-8033-3110VIP            | 259.4       | 219.8       | 237.1        | 219.5             | 218.5             | 230.9        |
| Mycogen          | 2C797                      | 230.2       | 212.7       | 225.0        | 185.1             | 204.4             | 211.5        |
| Mycogen          | 2D848                      | 222.5       | 216.7       | 239.8        | 190.3             | 221.5             | 218.2        |
| Mycogen          | 2Y744                      | 216.7       | 201.8       | 210.6        | 139.2             | 171.6             | 188.0        |
| Mycogen          | X13726VH *                 | 238.1       | 230.5       | 212.1        | 168.7             | 213.9             | 212.7        |
| Mycogen          | X13813VH *                 | 240.8       | 219.9       | 242.8        | 156.6             | 230.1             | 218.1        |
| Mycogen          | X13823S3 *                 | 233.2       | 201.0       | 216.7        | 175.0             | 209.4             | 207.1        |
| Mycogen          | X14677S2 *                 | 217.5       | 220.5       | 235.3        | 149.7             | 189.9             | 202.5        |
| Mycogen          | X14730VH *                 | 238.2       | 230.9       | 223.7        | 157.9             | 217.8             | 213.7        |
| NK               | 68K                        | 210.9       | 201.4       | 184.1        | 174.9             | 189.0             | 192.1        |
| NK               | 69D                        | 204.0       | 200.3       | 199.3        | 161.1             | 170.5             | 187.0        |
| Pioneer          | P1197YHR                   | 216.3       | 245.4       | 198.0        | 180.6             | 220.0             | 212.1        |
| Pioneer          | P1637YHR                   | 239.8       | 257.5       | 243.0        | 185.9             | 231.6             | 231.6        |
| Pioneer          | P2089YHR-S                 | 255.8       | 253.2       | 242.9        | 166.1             | 219.3             | 227.5        |
| Progeny Ag       | PGY 4117VT3P               | 221.3       | 216.8       | 193.6        | 175.1             | 195.0             | 200.4        |
| Progeny Ag       | PGY 6119VT2P               | 214.6       | 227.7       | 182.3        | 177.5             | 204.1             | 201.2        |

<sup>1</sup>Hybrid followed by an asterisk indicates an experimental entry.

Table 5 (continued). 2016 corn hybrid yield summary for irrigated locations.

| Brand          | Hybrid number <sup>1</sup> | Macon       | Minter City | Rolling Fork | Stoneville (clay) | Stoneville (loam) | Overall avg. |
|----------------|----------------------------|-------------|-------------|--------------|-------------------|-------------------|--------------|
|                |                            | <i>bu/A</i> | <i>bu/A</i> | <i>bu/A</i>  | <i>bu/A</i>       | <i>bu/A</i>       | <i>bu/A</i>  |
| Progeny Ag     | PGY EXP1615VT2P *          | 225.6       | 198.1       | 182.3        | 132.1             | 190.9             | 185.8        |
| Progeny Ag     | PGY 6116VT2P               | 232.5       | 239.0       | 212.0        | 175.1             | 224.1             | 216.6        |
| Progeny Ag     | PGY5115VT2P                | 249.7       | 267.2       | 240.9        | 173.7             | 224.2             | 231.2        |
| Terral Seed    | REV 24BHR93                | 209.7       | 214.2       | 205.0        | 145.8             | 195.9             | 194.1        |
| Terral Seed    | REV 26BHR50                | 229.3       | 243.7       | 222.2        | 176.0             | 212.9             | 216.8        |
| Terral Seed    | REV 28HR20                 | 217.2       | 226.8       | 233.5        | 163.8             | 216.2             | 211.5        |
| Terral Seed    | REV 28R10                  | 224.1       | 220.2       | 245.4        | 178.8             | 224.6             | 218.6        |
| Terral Seed    | REV 23BHR55                | 210.0       | 242.0       | 224.5        | 172.1             | 219.8             | 213.7        |
| Terral Seed    | REV 25BHR26                | 226.0       | 222.2       | 213.3        | 180.6             | 213.2             | 211.1        |
| Mean           |                            | 232.5       | 235.4       | 217.4        | 179.2             | 208.5             | 214.6        |
| LSD            |                            | 22.2        | 21.5        | 26.7         | 12.3              | 19.2              |              |
| Error df       |                            | 152         | 228         | 152          | 228               | 228               |              |
| CV             |                            | 7.1         | 7.8         | 9.1          | 5.9               | 7.9               |              |
| R <sup>2</sup> |                            | 56.2        | 59.0        | 51.2         | 77.0              | 65.4              |              |

<sup>1</sup>Hybrid followed by an asterisk indicates an experimental entry.

Table 6. Two-year corn hybrid yield summary for irrigated locations.

| Brand            | Hybrid number <sup>1</sup> | Macon       | Minter City | Rolling Fork | Stoneville (loam) | Stoneville (clay) | Overall avg. |
|------------------|----------------------------|-------------|-------------|--------------|-------------------|-------------------|--------------|
|                  |                            | <i>bu/A</i> | <i>bu/A</i> | <i>bu/A</i>  | <i>bu/A</i>       | <i>bu/A</i>       | <i>bu/A</i>  |
| AgriGold Hybrids | A6719VT2PRO                | 238.0       | 226.4       | 231.9        | 178.2             | 232.5             | 221.4        |
| AgriGold Hybrids | A6499VT2 RIB               | 226.8       | 214.1       | 219.5        | 157.5             | 227.4             | 209.0        |
| AgriGold Hybrids | A6559VT2RIB                | 229.0       | 217.7       | 221.3        | 159.3             | 212.3             | 207.9        |
| AgriGold Hybrids | A6659VT2 RIB               | 241.2       | 224.8       | 224.7        | 184.7             | 233.6             | 221.8        |
| AgriGold Hybrids | A6687VT2PRO                | 228.9       | 236.7       | 221.4        | 173.4             | 234.8             | 219.0        |
| AgriGold Hybrids | A6711VT2PRO                | 240.0       | 226.6       | 220.6        | 187.2             | 231.1             | 221.1        |
| AgVenture        | RL9801YHB                  | 257.1       | 240.9       | 246.6        | 184.7             | 252.8             | 236.4        |
| AgVenture        | RL8430YHB                  | 243.4       | 242.3       | 246.2        | 175.0             | 252.1             | 231.8        |
| AgVenture        | RL9583YHB                  | 265.9       | 246.3       | 248.5        | 182.6             | 240.9             | 236.9        |
| Armor            | 1414                       | 241.7       | 243.8       | 208.9        | 169.3             | 241.0             | 220.9        |
| Armor            | 1717PRO2                   | 244.6       | 239.2       | 232.8        | 175.8             | 243.5             | 227.2        |
| Augusta          | 7767                       | 244.4       | 229.6       | 211.6        | 182.5             | 222.4             | 218.1        |
| Augusta          | 7768                       | 259.2       | 233.8       | 238.6        | 196.0             | 237.1             | 232.9        |
| Augusta          | 8868                       | 225.9       | 247.9       | 235.2        | 169.1             | 249.2             | 225.5        |
| Croplan          | 6640VT3                    | 252.9       | 220.9       | 223.2        | 171.7             | 232.6             | 220.2        |
| DeKalb           | DKC62-08                   | 230.2       | 229.8       | 218.9        | 160.0             | 236.3             | 215.0        |
| DeKalb           | DKC66-59                   | 243.9       | 224.2       | 223.6        | 161.8             | 242.2             | 219.1        |
| DeKalb           | DKC67-14                   | 245.8       | 226.5       | 233.8        | 181.4             | 240.7             | 225.6        |
| DeKalb           | DKC67-72                   | 245.8       | 215.9       | 211.4        | 177.1             | 221.3             | 214.3        |
| DeKalb           | DKC68-26                   | 258.3       | 255.3       | 234.6        | 161.1             | 235.1             | 228.9        |
| Delta Grow       | DG 2888                    | 221.7       | 218.7       | 210.1        | 163.6             | 194.5             | 201.7        |
| Delta Grow       | DG 3660                    | 230.6       | 203.5       | 218.4        | 181.8             | 221.4             | 211.1        |
| Dyna-Gro         | D57VP51                    | 243.7       | 241.0       | 229.6        | 190.8             | 233.9             | 227.8        |
| Dyna-Gro         | D57VP75                    | 228.1       | 254.9       | 223.5        | 168.5             | 248.9             | 224.8        |
| Dyna-Gro         | D58VC37                    | 240.7       | 227.6       | 222.6        | 179.7             | 232.6             | 220.6        |
| Great Heart Seed | HT-7778 VT3PRIB            | 216.1       | 233.9       | 233.9        | 165.1             | 220.8             | 213.9        |
| Mycogen          | 2C797                      | 232.3       | 211.1       | 220.1        | 179.6             | 215.7             | 211.8        |
| Mycogen          | 2D848                      | 233.1       | 222.6       | 239.4        | 176.4             | 240.6             | 222.4        |
| Mycogen          | 2Y744                      | 210.5       | 186.3       | 197.7        | 147.5             | 179.5             | 184.3        |
| Mycogen          | X13726VH *                 | 237.1       | 219.1       | 226.3        | 166.1             | 236.1             | 217.0        |
| Mycogen          | X13813VH *                 | 231.1       | 213.2       | 233.7        | 140.7             | 235.9             | 210.9        |
| Progeny Ag       | PGY 4117VT3P               | 218.3       | 208.6       | 204.8        | 161.5             | 215.6             | 201.8        |
| Progeny Ag       | PGY 6116VT2P               | 226.5       | 222.4       | 206.2        | 169.3             | 227.6             | 210.4        |
| Progeny Ag       | PGY5115VT2P                | 232.1       | 234.3       | 227.8        | 163.4             | 229.3             | 217.4        |
| Terral Seed      | REV 24BHR93                | 216.9       | 214.8       | 215.1        | 146.9             | 216.1             | 202.0        |
| Terral Seed      | REV 26BHR50                | 235.2       | 244.4       | 230.7        | 163.5             | 241.4             | 223.0        |
| Terral Seed      | REV 28HR20                 | 226.2       | 225.7       | 247.7        | 157.3             | 242.8             | 219.9        |
| Terral Seed      | REV 23BHR55                | 226.3       | 238.0       | 234.4        | 159.7             | 246.2             | 220.9        |
| Terral Seed      | REV 25BHR26                | 232.1       | 228.2       | 229.1        | 162.0             | 245.9             | 219.5        |
| Mean             |                            | 235.9       | 228.0       | 225.7        | 170.0             | 231.9             | 218.3        |

<sup>1</sup>Hybrid followed by an asterisk indicates an experimental entry.



**Table 7. Three-year corn hybrid summary for irrigated locations.**

| Brand            | Hybrid number   | Macon       | Minter City | Rolling Fork | Stoneville (loam) | Stoneville (clay) | Overall avg. |
|------------------|-----------------|-------------|-------------|--------------|-------------------|-------------------|--------------|
|                  |                 | <i>bu/A</i> | <i>bu/A</i> | <i>bu/A</i>  | <i>bu/A</i>       | <i>bu/A</i>       | <i>bu/A</i>  |
| AgriGold Hybrids | A6719VT2PRO     | 238.8       | 232.8       | 236.1        | 192.9             | 236.0             | 227.3        |
| AgriGold Hybrids | A6499VT2 RIB    | 229.2       | 223.1       | 224.6        | 164.8             | 229.6             | 214.2        |
| AgriGold Hybrids | A6659VT2 RIB    | 232.1       | 227.1       | 222.9        | 187.9             | 234.4             | 220.9        |
| AgriGold Hybrids | A6687VT2PRO     | 233.9       | 242.8       | 230.7        | 183.8             | 239.0             | 226.0        |
| Armor            | 1414            | 243.4       | 249.7       | 223.2        | 180.0             | 241.8             | 227.6        |
| Augusta          | 7767            | 248.2       | 231.5       | 217.2        | 192.6             | 233.9             | 224.7        |
| Augusta          | 7768            | 260.1       | 245.7       | 251.5        | 208.5             | 248.9             | 242.9        |
| Augusta          | 8868            | 231.5       | 248.1       | 240.3        | 186.1             | 257.5             | 232.7        |
| Croplan          | 6640VT3         | 251.9       | 230.5       | 235.2        | 189.6             | 245.6             | 230.6        |
| DeKalb           | DKC62-08        | 229.9       | 232.8       | 219.9        | 177.8             | 241.7             | 220.4        |
| Delta Grow       | DG 2888         | 229.4       | 230.0       | 223.0        | 176.8             | 210.0             | 213.8        |
| Delta Grow       | DG 3660         | 234.7       | 207.3       | 221.8        | 197.0             | 235.7             | 219.3        |
| Dyna-Gro         | D57VP51         | 236.6       | 240.7       | 226.0        | 199.4             | 237.1             | 227.9        |
| Dyna-Gro         | D57VP75         | 231.7       | 257.2       | 239.5        | 183.1             | 251.5             | 232.6        |
| Great Heart Seed | HT-7778 VT3PRIB | 226.8       | 243.1       | 245.4        | 187.7             | 236.8             | 227.9        |
| Mycogen          | 2C797           | 236.8       | 214.2       | 227.3        | 187.0             | 221.9             | 217.5        |
| Progeny Ag       | PGY 4117VT3P    | 223.9       | 218.0       | 220.6        | 169.1             | 226.3             | 211.6        |
| Progeny Ag       | PGY5115VT2P     | 235.9       | 229.9       | 230.3        | 173.4             | 234.7             | 220.8        |
| Terral Seed      | REV 24BHR93     | 217.5       | 225.7       | 232.9        | 171.3             | 229.2             | 215.3        |
| Terral Seed      | REV 26BHR50     | 241.8       | 247.2       | 247.2        | 182.5             | 250.5             | 233.8        |
| Terral Seed      | REV 28HR20      | 222.6       | 236.0       | 242.8        | 177.3             | 257.2             | 227.2        |
| Terral Seed      | REV 23BHR55     | 235.0       | 241.4       | 242.0        | 177.4             | 253.2             | 229.8        |
| Mean             |                 | 235.1       | 234.3       | 231.8        | 183.9             | 238.7             | 224.8        |

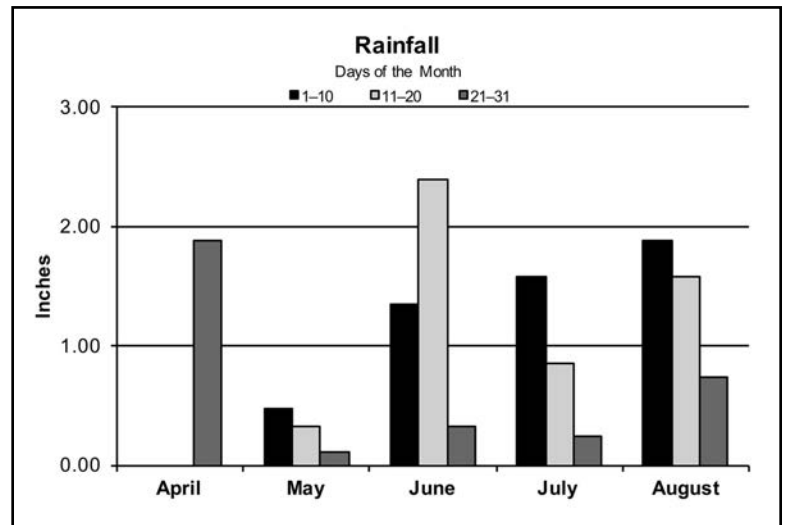
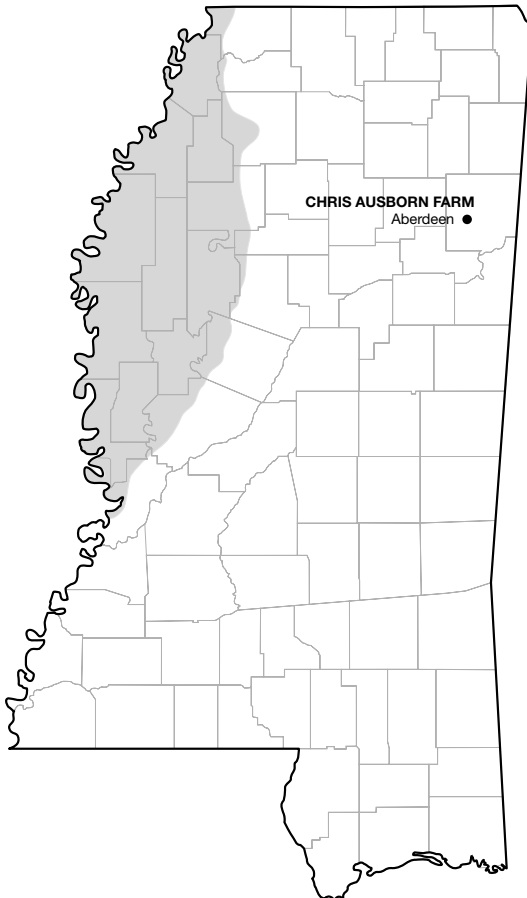
# CHRIS AUSBORN FARM, ABERDEEN

## Crop Summary

The corn plots were planted into a stale seedbed that had been bedded up the previous fall. Adequate moisture at planting allowed all plots to quickly emerge to a

good stand. Timely rains fell at key points during the growing season, resulting in good yields. Harvest was made in a timely manner without difficulties.

Soil type ..... Houston clay  
Soil pH ..... 6.9  
Soil fertility ..... P=M, K=M  
Fertilizer added ..... Preplant — 0-24-24 @ 228 lb/A (fall applied)  
Starter — 10-20-5-1S-0.43Zn @ 20 gal/A (applied 2x2) on April 8  
Sidedress — N @ 200 lb/A (32% UAN)  
Herbicide application ... Preemergence — Lexar @ 2 qt/A and Roundup PowerMAX @ 1 qt/A on April 8  
Postemergence — Atrazine @ 2 qt/A and Glyphosate @ 24 oz/A  
Previous crop ..... Soybeans  
Planting date ..... April 8  
Harvest date ..... August 31



## Rainfall Summary

|              | Inches |
|--------------|--------|
| April .....  | 1.88   |
| May .....    | 0.91   |
| June .....   | 4.07   |
| July .....   | 2.70   |
| August ..... | 4.20   |
| Total .....  | 13.76  |

**Table 8. Results from 62 corn hybrids grown without irrigation on a Houston clay soil near Aberdeen, Monroe county, 2016.**

| Brand name  | Hybrid number <sup>1</sup> | 2016 yield  | 2-year average | 3-year average | Ear height | Stalk lodging | Moisture content | Harvested population (x1000) |
|-------------|----------------------------|-------------|----------------|----------------|------------|---------------|------------------|------------------------------|
|             |                            | <i>bu/A</i> | <i>bu/A</i>    | <i>bu/A</i>    | <i>in</i>  | <i>%</i>      | <i>%</i>         |                              |
| DeKalb      | DKC67-44                   | 202.9       | —              | —              | 40         | 0             | 15.1             | 33                           |
| Pioneer     | P1637YHR                   | 199.5       | —              | —              | 48         | 0             | 14.0             | 33                           |
| AgriGold    | A6719VT2PRO                | 199.1       | 201.4          | 190.5          | 45         | 0             | 14.4             | 33                           |
| AgVenture   | RL8714YHB                  | 198.8       | —              | —              | 49         | 0             | 14.1             | 31                           |
| DeKalb      | DKC66-75                   | 198.0       | —              | —              | 42         | 0             | 14.4             | 34                           |
| Dyna-Gro    | D57VP75                    | 197.5       | 192.7          | 184.0          | 46         | 0             | 14.0             | 35                           |
| AgriGold    | A6572VT2PRO                | 196.5       | —              | —              | 38         | 0             | 14.4             | 32                           |
| Progeny Ag  | PGY 6119VT2P               | 195.2       | —              | —              | 46         | 0             | 15.4             | 30                           |
| DeKalb      | DKC62-20RIB                | 195.0       | —              | —              | 48         | 0             | 13.7             | 34                           |
| Mycogen     | X13813VH *                 | 194.7       | 190.8          | —              | 51         | 0             | 13.9             | 36                           |
| Progeny Ag  | PGY 5115VT2P               | 194.6       | 199.3          | 193.3          | 34         | 0             | 13.9             | 33                           |
| Armor       | 1414                       | 192.9       | 197.3          | 177.8          | 41         | 0             | 14.5             | 33                           |
| Progeny Ag  | PGY 6116VT2P               | 192.8       | 202.1          | —              | 38         | 0             | 14.5             | 34                           |
| AgriGold    | A6652VT2PRO                | 192.8       | —              | —              | 36         | 0             | 13.7             | 34                           |
| Terral Seed | REV 26BHR50                | 192.6       | 190.4          | 178.4          | 40         | 0             | 15.5             | 29                           |
| AgriGold    | A6559VT2RIB                | 192.0       | 194.2          | 180.3          | 42         | 0             | 14.3             | 33                           |
| DeKalb      | DKC64-35                   | 190.4       | —              | —              | 42         | 0             | 14.2             | 33                           |
| Mycogen     | 2C797                      | 190.2       | 196.0          | 186.4          | 40         | 0             | 13.6             | 36                           |
| DeKalb      | DKC67-14                   | 190.1       | 209.9          | —              | 45         | 0             | 14.2             | 34                           |
| DeKalb      | DKC66-59                   | 188.9       | 196.0          | —              | 42         | 0             | 15.2             | 33                           |
| DeKalb      | DKC70-27                   | 188.7       | —              | —              | 43         | 0             | 15.3             | 33                           |
| Mycogen     | 2D848                      | 187.8       | 189.1          | —              | 45         | 0             | 16.4             | 35                           |
| Mycogen     | X14730VH *                 | 187.6       | —              | —              | 42         | 0             | 14.7             | 35                           |
| Terral Seed | REV 28R10                  | 186.6       | —              | —              | 44         | 0             | 14.8             | 29                           |
| Croplan     | 6640VT3                    | 186.3       | 200.0          | 194.1          | 42         | 0             | 14.1             | 32                           |
| Terral Seed | REV 23BHR55                | 186.2       | 192.8          | 183.2          | 51         | 0             | 13.4             | 28                           |
| Terral Seed | REV 28HR20                 | 185.4       | 193.1          | 190.6          | 45         | 0             | 15.3             | 29                           |
| Progeny Ag  | PGY 4117 VT3P              | 185.2       | 181.4          | 178.5          | 46         | 0             | 13.9             | 33                           |
| AgriGold    | A6659 VT2 RIB              | 184.9       | 205.1          | 197.1          | 41         | 0             | 14.1             | 32                           |
| AgriGold    | A6544VT2PRO                | 184.9       | —              | —              | 37         | 0             | 13.6             | 34                           |
| Mycogen     | 2Y744                      | 184.4       | 188.8          | —              | 32         | 9             | 13.2             | 34                           |
| Dyna-Gro    | D54VC52                    | 184.2       | —              | —              | 38         | 0             | 14.8             | 28                           |
| DeKalb      | DKC62-08                   | 183.9       | 187.9          | 180.0          | 46         | 0             | 14.2             | 32                           |
| Pioneer     | P2089YHR~S                 | 183.7       | —              | —              | 38         | 0             | 13.8             | 32                           |
| DeKalb      | DKC67-72                   | 183.5       | 194.6          | —              | 36         | 0             | 14.3             | 35                           |
| Augusta     | 7766                       | 183.3       | —              | —              | 40         | 0             | 13.9             | 31                           |
| Mycogen     | X13823S3 *                 | 182.8       | —              | —              | 43         | 0             | 14.1             | 35                           |
| Terral Seed | REV 25BHR26                | 181.6       | 177.0          | —              | 50         | 0             | 13.9             | 27                           |
| Croplan     | 5290DG/VT2P                | 181.4       | —              | —              | 38         | 0             | 14.2             | 33                           |
| Mycogen     | X14677S2 *                 | 181.3       | —              | —              | 46         | 0             | 13.2             | 34                           |
| AgriGold    | A6499VT2RIB                | 181.0       | 192.8          | 182.6          | 37         | 0             | 13.6             | 33                           |
| Armor       | AXC6116 *                  | 180.8       | —              | —              | 41         | 0             | 13.5             | 32                           |
| AgriGold    | A6711VT2PRO                | 180.7       | 193.3          | —              | 37         | 0             | 14.0             | 33                           |
| Augusta     | 1564                       | 180.7       | —              | —              | 37         | 0             | 13.9             | 33                           |
| Armor       | 1500                       | 180.4       | —              | —              | 41         | 0             | 14.2             | 30                           |
| Armor       | AXG6118 *                  | 179.0       | —              | —              | 43         | 0             | 14.0             | 32                           |
| Progeny Ag  | PGY EXP1615VT2P *          | 178.9       | —              | —              | 34         | 0             | 14.3             | 32                           |
| Armor       | 1717                       | 178.7       | 185.1          | —              | 40         | 0             | 14.3             | 33                           |
| Pioneer     | P1197YHR                   | 178.1       | —              | —              | 40         | 0             | 13.7             | 32                           |
| Augusta     | 5566                       | 177.8       | —              | —              | 42         | 0             | 14.1             | 32                           |
| Terral Seed | REV 22BHR43                | 177.7       | 174.8          | —              | 45         | 0             | 14.1             | 28                           |
| AgriGold    | A6687VT2PRO                | 175.1       | 178.3          | 173.5          | 44         | 0             | 14.5             | 29                           |
| DeKalb      | DKC68-26                   | 171.9       | 183.5          | —              | 43         | 0             | 14.7             | 34                           |
| Augusta     | 5664                       | 170.7       | —              | —              | 39         | 0             | 14.2             | 34                           |
| Delta Grow  | DG 2888                    | 170.2       | 181.5          | 178.1          | 48         | 0             | 14.1             | 35                           |
| Dyna-Gro    | D57VP51                    | 169.9       | 192.7          | 191.4          | 34         | 0             | 14.0             | 30                           |
| Terral Seed | REV 24BHR93                | 168.4       | 183.4          | 182.3          | 51         | 0             | 14.1             | 26                           |
| NK Brand    | 68K                        | 168.2       | —              | —              | 44         | 0             | 12.9             | 24                           |
| Delta Grow  | DG 3660                    | 165.9       | 189.9          | 191.2          | 46         | 9             | 15.3             | 34                           |

<sup>1</sup>Hybrid followed by an asterisk indicates an experimental entry.

**Table 8 (cont.). Results from 62 corn hybrids grown without irrigation on a Houston clay soil near Aberdeen, Monroe county, 2016.**

| Brand name                                                                   | Hybrid number <sup>1</sup> | 2016 yield  | 2-year average | 3-year average | Ear height | Stalk lodging | Moisture content | Harvested population (x1000) |
|------------------------------------------------------------------------------|----------------------------|-------------|----------------|----------------|------------|---------------|------------------|------------------------------|
|                                                                              |                            | <i>bu/A</i> | <i>bu/A</i>    | <i>bu/A</i>    | <i>in</i>  | %             | %                |                              |
| NK Brand                                                                     | 69D                        | 165.3       | —              | —              | 44         | 0             | 13.9             | 31                           |
| Great Heart Seed                                                             | HT 7261 VT3P RIB           | 163.1       | —              | —              | 35         | 7             | 14.3             | 29                           |
| Delta Grow                                                                   | DG 2688                    | 155.7       | —              | —              | 45         | 3             | 13.1             | 34                           |
| Mean                                                                         |                            | 184.0       |                |                |            |               |                  |                              |
| LSD                                                                          |                            | 15.0        |                |                |            |               |                  |                              |
| Error df                                                                     |                            | 183         |                |                |            |               |                  |                              |
| CV                                                                           |                            | 7.0         |                |                |            |               |                  |                              |
| R <sup>2</sup>                                                               |                            | 50.0        |                |                |            |               |                  |                              |
| <sup>1</sup> Hybrid followed by an asterisk indicates an experimental entry. |                            |             |                |                |            |               |                  |                              |

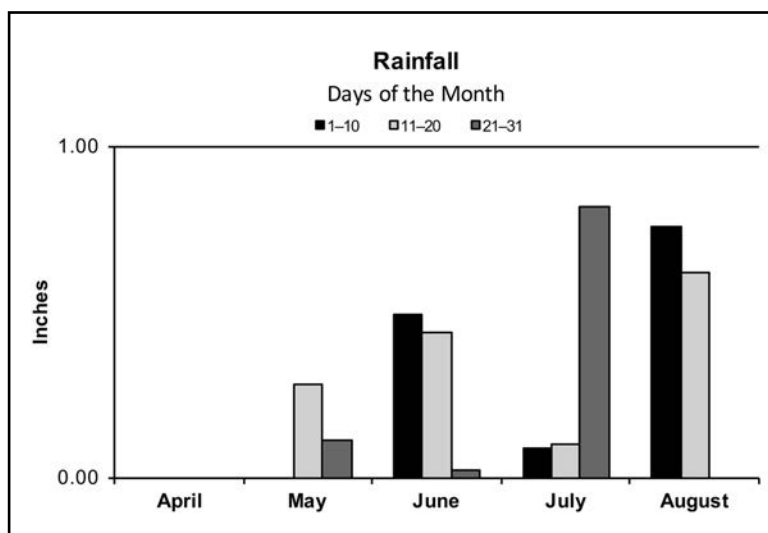
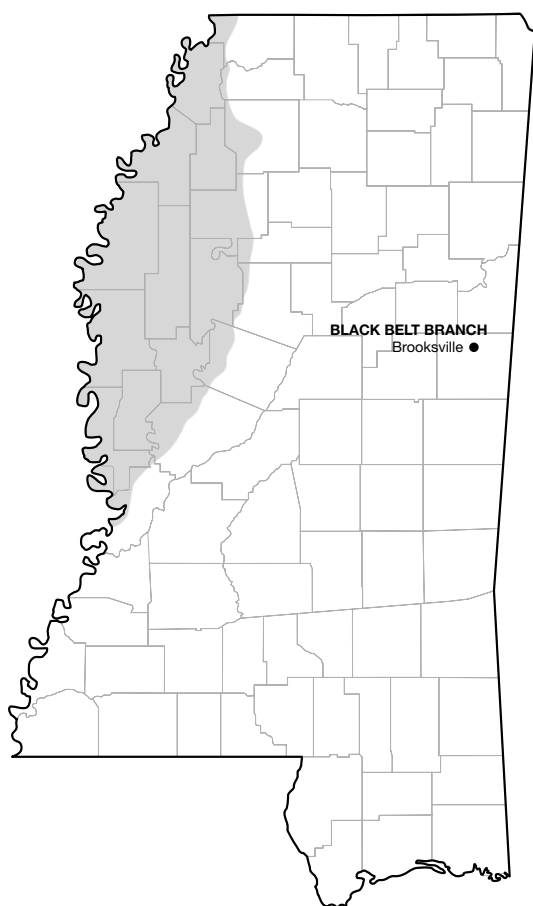
# MAFES BLACK BELT BRANCH, BROOKSVILLE

## Crop Summary

The corn plots were planted into a flat, stale seedbed in early April. Soil moisture was adequate at planting for germination and emergence. The plots emerged to a stand. Rainfall events seemed to occur regularly during

the early season, but the crop endured a hot, dry period during June and July, resulting in lower than average yields at this location.

**Soil type** ..... Brooksville silty clay  
**Soil pH** ..... 6.3  
**Soil fertility** ..... P=L, K=M  
**Fertilizer added** ..... Preplant — 9-23-30 @ 200 lb/A  
                                          Starter — 10-20-5-1S-0.43Zn @ 20 gal/A (applied 2x2) on April 9  
                                          Sidedress — N @ 88 lb/A (32% UAN) on May 9 and May 24  
**Herbicide application** ... Preemergence — Lexar @ 2 qt/A and Gramoxone @ 1 qt/A on April 9  
                                          Postemergence — Roundup Powermax @ 1 qt/A, Callisto @ 3 oz/A,  
                                          and Atrazine @ 8 oz/A on May 9  
**Previous crop** ..... Soybeans  
**Planting date** ..... April 9  
**Harvest date** ..... August 16



## Rainfall Summary

|              | Inches      |
|--------------|-------------|
| April        | 0.00        |
| May          | 0.49        |
| June         | 0.95        |
| July         | 1.01        |
| August       | 1.38        |
| <b>Total</b> | <b>3.83</b> |

**Table 9. Results from 62 corn hybrids grown without irrigation on a Brooksville silty clay soil at the MAFES Black Belt Branch, Brooksville, 2016.**

| Brand name       | Hybrid number <sup>1</sup> | 2016 yield  | 2-year average | 3-year average | Ear height | Stalk lodging | Moisture content | Harvested population (x1000) |
|------------------|----------------------------|-------------|----------------|----------------|------------|---------------|------------------|------------------------------|
|                  |                            | <i>bu/A</i> | <i>bu/A</i>    | <i>bu/A</i>    | <i>in</i>  | %             | %                |                              |
| Armor            | 1414                       | 167.4       | 166.9          | 174.4          | 43         | 0             | 19.7             | 29                           |
| DeKalb           | DKC68-26                   | 146.9       | 166.0          | —              | 37         | 6             | 19.1             | 28                           |
| Progeny Ag       | PGY 5115VT2P               | 143.2       | 154.5          | 165.5          | 36         | 2             | 19.1             | 30                           |
| DeKalb           | DKC67-14                   | 140.6       | 155.7          | —              | 41         | 18            | 18.7             | 35                           |
| Croplan          | 6640VT3                    | 139.8       | 170.9          | 179.7          | 43         | 0             | 18.3             | 32                           |
| DeKalb           | DKC66-59                   | 135.8       | 146.9          | —              | 40         | 23            | 20.1             | 34                           |
| Mycogen          | 2D848                      | 133.2       | 154.7          | —              | 45         | 5             | 24.0             | 33                           |
| Terral Seed      | REV 24BHR93                | 132.2       | 140.7          | 158.6          | 42         | 0             | 18.8             | 25                           |
| Progeny Ag       | PGY 6116VT2P               | 130.6       | 144.8          | —              | 43         | 4             | 18.7             | 28                           |
| DeKalb           | DKC62-20RIB                | 128.7       | —              | —              | 40         | 4             | 18.5             | 33                           |
| Croplan          | 5290DG/VT2P                | 128.3       | —              | —              | 39         | 0             | 18.2             | 34                           |
| DeKalb           | DKC64-35                   | 128.0       | —              | —              | 41         | 4             | 17.8             | 32                           |
| AgriGold         | A6659 VT2 RIB              | 127.4       | 149.9          | 157.4          | 39         | 0             | 18.8             | 27                           |
| Augusta          | 1564                       | 127.2       | —              | —              | 41         | 0             | 17.6             | 30                           |
| Delta Grow       | DG 3660                    | 126.6       | 147.2          | 166.8          | 39         | 40            | 19.9             | 31                           |
| Mycogen          | 2C797                      | 126.6       | 147.9          | 165.5          | 43         | 4             | 18.9             | 31                           |
| Progeny Ag       | PGY 6119VT2P               | 125.7       | —              | —              | 42         | 0             | 20.4             | 34                           |
| AgriGold         | A6544VT2PRO                | 124.1       | —              | —              | 37         | 0             | 17.4             | 29                           |
| AgriGold         | A6687VT2PRO                | 120.9       | 134.4          | 153.9          | 44         | 0             | 19.5             | 29                           |
| Terral Seed      | REV 28R10                  | 118.4       | —              | —              | 41         | 11            | 18.5             | 28                           |
| AgriGold         | A6572VT2PRO                | 118.0       | —              | —              | 43         | 0             | 17.9             | 32                           |
| Dyna-Gro         | D57VP75                    | 118.0       | 152.2          | 165.8          | 52         | 8             | 18.6             | 23                           |
| Dyna-Gro         | D57VP51                    | 118.0       | 139.5          | 158.5          | 37         | 0             | 18.0             | 29                           |
| Terral Seed      | REV 28HR20                 | 116.9       | 136.4          | 146.5          | 42         | 22            | 19.1             | 23                           |
| Augusta          | 7766                       | 116.5       | —              | —              | 38         | 6             | 19.3             | 30                           |
| Terral Seed      | REV 22BHR43                | 115.0       | 130.1          | —              | 35         | 0             | 18.8             | 18                           |
| Augusta          | 5664                       | 114.5       | —              | —              | 37         | 2             | 19.5             | 34                           |
| DeKalb           | DKC67-44                   | 112.9       | —              | —              | 44         | 7             | 19.2             | 34                           |
| DeKalb           | DKC67-72                   | 112.8       | 141.7          | —              | 43         | 10            | 19.2             | 35                           |
| Great Heart Seed | HT 7261 VT3P RIB           | 112.4       | —              | —              | 37         | 7             | 17.8             | 25                           |
| AgriGold         | A6499VT2RIB                | 110.7       | 137.7          | 151.0          | 42         | 0             | 17.3             | 32                           |
| Terral Seed      | REV 26BHR50                | 108.6       | 121.4          | 156.3          | 38         | 6             | 20.0             | 28                           |
| AgriGold         | A6719VT2PRO                | 107.6       | 139.1          | 151.1          | 49         | 4             | 18.2             | 29                           |
| Armor            | 1717                       | 107.2       | 136.9          | —              | 41         | 8             | 18.7             | 31                           |
| Progeny Ag       | PGY 4117 VT3P              | 104.7       | 126.0          | 144.5          | 50         | 10            | 19.8             | 30                           |
| Mycogen          | X13813VH *                 | 104.5       | 133.2          | —              | 43         | 0             | 17.1             | 35                           |
| Armor            | 1500                       | 104.3       | —              | —              | 47         | 0             | 18.8             | 28                           |
| DeKalb           | DKC62-08                   | 104.2       | 134.8          | 156.6          | 38         | 0             | 17.1             | 32                           |
| NK Brand         | 69D                        | 104.0       | —              | —              | 43         | 0             | 17.9             | 29                           |
| Progeny Ag       | PGY EXP1615VT2P *          | 103.4       | —              | —              | 36         | 5             | 18.3             | 25                           |
| DeKalb           | DKC66-75                   | 102.9       | —              | —              | 37         | 13            | 17.3             | 34                           |
| Mycogen          | X14730VH *                 | 101.7       | —              | —              | 38         | 0             | 20.6             | 35                           |
| Pioneer          | P1637YHR                   | 100.7       | —              | —              | 45         | 26            | 17.1             | 32                           |
| NK Brand         | 68K                        | 100.5       | —              | —              | 40         | 0             | 16.4             | 32                           |
| Mycogen          | X14677S2 *                 | 100.3       | —              | —              | 39         | 0             | 16.4             | 36                           |
| AgriGold         | A6652VT2PRO                | 99.6        | —              | —              | 41         | 2             | 17.3             | 32                           |
| Pioneer          | P1197YHR                   | 98.7        | —              | —              | 47         | 0             | 16.8             | 30                           |
| DeKalb           | DKC70-27                   | 98.7        | —              | —              | 38         | 5             | 21.6             | 35                           |
| Pioneer          | P2089YHR~S                 | 95.3        | —              | —              | 40         | 24            | 17.2             | 31                           |
| Augusta          | 5566                       | 95.1        | —              | —              | 32         | 0             | 16.9             | 28                           |
| Dyna-Gro         | D54VC52                    | 94.9        | —              | —              | 43         | 0             | 17.5             | 22                           |
| AgriGold         | A6711VT2PRO                | 94.4        | 126.2          | —              | 39         | 0             | 19.7             | 34                           |
| Armor            | AXC6116 *                  | 93.5        | —              | —              | 37         | 0             | 16.9             | 30                           |
| Terral Seed      | REV 23BHR55                | 92.0        | 128.3          | 153.4          | 31         | 2             | 17.2             | 28                           |
| AgriGold         | A6559VT2RIB                | 91.8        | 132.7          | 155.2          | 36         | 4             | 17.8             | 33                           |
| Mycogen          | X13823S3 *                 | 90.4        | —              | —              | 39         | 0             | 17.0             | 32                           |
| Armor            | AXG6118 *                  | 88.0        | —              | —              | 42         | 4             | 16.9             | 29                           |
| Terral Seed      | REV 25BHR26                | 87.3        | 122.9          | —              | 40         | 7             | 17.5             | 25                           |
| Delta Grow       | DG 2888                    | 84.7        | 124.7          | 146.6          | 46         | 42            | 18.6             | 29                           |

<sup>1</sup>Hybrid followed by an asterisk indicates an experimental entry.

**Table 9 (cont.). Results from 62 corn hybrids grown without irrigation on a Brooksville silty clay soil at the MAFES Black Belt Branch, Brooksville, 2016.**

| Brand name                                                                   | Hybrid number <sup>1</sup> | 2016 yield  | 2-year average | 3-year average | Ear height | Stalk lodging | Moisture content | Harvested population (x1000) |
|------------------------------------------------------------------------------|----------------------------|-------------|----------------|----------------|------------|---------------|------------------|------------------------------|
|                                                                              |                            | <i>bu/A</i> | <i>bu/A</i>    | <i>bu/A</i>    | <i>in</i>  | <i>%</i>      | <i>%</i>         |                              |
| AgVenture                                                                    | RL8714YHB                  | 84.1        | —              | —              | 42         | 2             | 17.5             | 32                           |
| Mycogen                                                                      | 2Y744                      | 74.8        | 111.3          | —              | 31         | 2             | 16.2             | 31                           |
| Delta Grow                                                                   | DG 2688                    | 72.9        | —              | —              | 38         | 47            | 15.9             | 26                           |
| Mean                                                                         |                            | 111.4       |                |                |            |               |                  |                              |
| LSD                                                                          |                            | 14.3        |                |                |            |               |                  |                              |
| Error df                                                                     |                            | 183         |                |                |            |               |                  |                              |
| CV                                                                           |                            | 11.0        |                |                |            |               |                  |                              |
| R <sup>2</sup>                                                               |                            | 77.8        |                |                |            |               |                  |                              |
| <sup>1</sup> Hybrid followed by an asterisk indicates an experimental entry. |                            |             |                |                |            |               |                  |                              |





**Table 10. Results from 62 corn hybrids grown without irrigation on a Collins silt loam soil near Hernando, 2016.**

| Brand name       | Hybrid number <sup>1</sup> | 2016 yield  | 2-year average | 3-year average | Ear height | Stalk lodging | Moisture content | Harvested population (x1000) |
|------------------|----------------------------|-------------|----------------|----------------|------------|---------------|------------------|------------------------------|
|                  |                            | <i>bu/A</i> | <i>bu/A</i>    | <i>bu/A</i>    | <i>in</i>  | <i>%</i>      | <i>%</i>         |                              |
| AgriGold         | A6572VT2PRO                | 137.4       | —              | —              | 27         | 0             | 14.9             | 31                           |
| DeKalb           | DKC67-44                   | 134.0       | —              | —              | 30         | 0             | 15.5             | 33                           |
| AgriGold         | A6559VT2RIB                | 133.2       | —              | —              | 35         | 0             | 14.2             | 27                           |
| Armor            | 1414                       | 132.9       | —              | —              | 40         | 6             | 15.2             | 31                           |
| Mycogen          | X14730VH *                 | 128.2       | —              | —              | 39         | 0             | 15.9             | 34                           |
| DeKalb           | DKC67-72                   | 123.5       | —              | —              | 26         | 11            | 14.9             | 31                           |
| Armor            | AXG6118 *                  | 123.1       | —              | —              | 32         | 0             | 15.5             | 31                           |
| Croplan          | 5290DG/VT2P                | 121.5       | —              | —              | 31         | 0             | 14.8             | 31                           |
| Augusta          | 5664                       | 120.7       | —              | —              | 40         | 0             | 15.1             | 32                           |
| Armor            | 1500                       | 119.8       | —              | —              | 35         | 4             | 14.8             | 28                           |
| Mycogen          | X13813VH *                 | 118.5       | —              | —              | 46         | 7             | 15.3             | 34                           |
| Armor            | 1717                       | 115.9       | —              | —              | 34         | 6             | 15.6             | 33                           |
| Mycogen          | X13823S3 *                 | 115.7       | —              | —              | 38         | 7             | 14.8             | 34                           |
| Augusta          | 5566                       | 115.6       | —              | —              | 44         | 13            | 15.5             | 33                           |
| Armor            | AXC6116 *                  | 114.4       | —              | —              | 42         | 8             | 14.7             | 32                           |
| DeKalb           | DKC62-08                   | 114.0       | —              | —              | 41         | 0             | 14.4             | 32                           |
| Delta Grow       | DG 2888                    | 111.2       | —              | —              | 41         | 0             | 15.3             | 31                           |
| Pioneer          | P1637YHR                   | 110.5       | —              | —              | 31         | 0             | 15.0             | 32                           |
| Pioneer          | P2089YHR-S                 | 110.0       | —              | —              | 28         | 4             | 15.1             | 33                           |
| AgriGold         | A6544VT2PRO                | 109.9       | —              | —              | 36         | 4             | 14.7             | 30                           |
| DeKalb           | DKC66-59                   | 108.8       | —              | —              | 35         | 0             | 15.1             | 33                           |
| AgriGold         | A6719VT2PRO                | 108.5       | —              | —              | 41         | 7             | 15.0             | 32                           |
| Terral Seed      | REV 25BHR26                | 108.2       | —              | —              | 32         | 2             | 14.8             | 27                           |
| Augusta          | 7766                       | 107.0       | —              | —              | 41         | 10            | 14.4             | 31                           |
| DeKalb           | DKC66-75                   | 105.5       | —              | —              | 32         | 0             | 15.1             | 32                           |
| Dyna-Gro         | D54VC52                    | 105.4       | —              | —              | 28         | 0             | 14.8             | 28                           |
| Progeny Ag       | PGY 4117 VT3P              | 105.0       | —              | —              | 34         | 0             | 14.8             | 33                           |
| Progeny Ag       | PGY 6116VT2P               | 103.9       | —              | —              | 36         | 6             | 14.5             | 30                           |
| AgriGold         | A6711VT2PRO                | 103.5       | —              | —              | 38         | 7             | 15.2             | 27                           |
| Terral Seed      | REV 28R10                  | 102.9       | —              | —              | 27         | 4             | 15.5             | 28                           |
| NK Brand         | 69D                        | 102.8       | —              | —              | 40         | 10            | 15.0             | 30                           |
| Mycogen          | 2C797                      | 102.0       | —              | —              | 26         | 8             | 14.6             | 32                           |
| Progeny Ag       | PGY 6119VT2P               | 102.0       | —              | —              | 31         | 0             | 15.4             | 30                           |
| DeKalb           | DKC70-27                   | 101.9       | —              | —              | 35         | 0             | 15.5             | 33                           |
| DeKalb           | DKC64-35                   | 101.1       | —              | —              | 30         | 4             | 14.7             | 33                           |
| Dyna-Gro         | D57VP75                    | 99.9        | —              | —              | 32         | 0             | 14.5             | 26                           |
| Mycogen          | X14677S2 *                 | 99.3        | —              | —              | 40         | 0             | 14.2             | 34                           |
| Terral Seed      | REV 23BHR55                | 99.1        | —              | —              | 37         | 2             | 14.7             | 26                           |
| AgriGold         | A6687VT2PRO                | 99.1        | —              | —              | 30         | 0             | 15.0             | 32                           |
| DeKalb           | DKC67-14                   | 99.0        | —              | —              | 33         | 6             | 14.8             | 32                           |
| AgriGold         | A6652VT2PRO                | 98.3        | —              | —              | 30         | 0             | 14.5             | 30                           |
| DeKalb           | DKC62-20RIB                | 97.5        | —              | —              | 34         | 0             | 14.5             | 33                           |
| Mycogen          | 2Y744                      | 96.3        | —              | —              | 21         | 0             | 13.6             | 31                           |
| Pioneer          | P1197YHR                   | 95.5        | —              | —              | 30         | 0             | 14.7             | 30                           |
| Terral Seed      | REV 22BHR43                | 94.3        | —              | —              | 33         | 2             | 15.1             | 27                           |
| Mycogen          | 2D848                      | 93.2        | —              | —              | 30         | 0             | 16.2             | 33                           |
| AgVenture        | RL8714YHB                  | 92.3        | —              | —              | 37         | 4             | 14.7             | 31                           |
| Delta Grow       | DG 2688                    | 90.3        | —              | —              | 35         | 0             | 14.3             | 31                           |
| AgriGold         | A6499VT2RIB                | 88.7        | —              | —              | 36         | 0             | 14.6             | 31                           |
| DeKalb           | DKC68-26                   | 88.4        | —              | —              | 30         | 0             | 15.2             | 33                           |
| Dyna-Gro         | D57VP51                    | 88.0        | —              | —              | 36         | 8             | 14.7             | 30                           |
| Terral Seed      | REV 24BHR93                | 87.9        | —              | —              | 39         | 5             | 14.9             | 22                           |
| Terral Seed      | REV 26BHR50                | 87.8        | —              | —              | 36         | 0             | 15.8             | 28                           |
| Terral Seed      | REV 28HR20                 | 86.4        | —              | —              | 33         | 0             | 15.5             | 27                           |
| Progeny Ag       | PGY 5115VT2P               | 85.9        | —              | —              | 31         | 0             | 14.6             | 32                           |
| Progeny Ag       | PGY EXP1615VT2P *          | 81.5        | —              | —              | 27         | 4             | 14.7             | 27                           |
| AgriGold         | A6659VT2RIB                | 80.9        | —              | —              | 30         | 0             | 14.5             | 31                           |
| Great Heart Seed | HT 7261 VT3P RIB           | 74.5        | —              | —              | 25         | 15            | 14.6             | 28                           |
| Croplan          | 6640VT3                    | 71.4        | —              | —              | 30         | 9             | 14.7             | 30                           |
| Augusta          | 1564                       | 65.5        | —              | —              | 35         | 12            | 14.2             | 31                           |

<sup>1</sup>Hybrid followed by an asterisk indicates an experimental entry.

**Table 10 (cont.). Results from 62 corn hybrids grown without irrigation on a Collins silt loam soil near Hernando, 2016.**

| Brand name                                                                   | Hybrid number <sup>1</sup> | 2016 yield  | 2-year average | 3-year average | Ear height | Stalk lodging | Moisture content | Harvested population (x1000) |
|------------------------------------------------------------------------------|----------------------------|-------------|----------------|----------------|------------|---------------|------------------|------------------------------|
|                                                                              |                            | <i>bu/A</i> | <i>bu/A</i>    | <i>bu/A</i>    | <i>in</i>  | %             | %                |                              |
| Delta Grow                                                                   | DG 3660                    | 63.2        | —              | —              | 28         | 10            | 15.4             | 31                           |
| NK Brand                                                                     | 68K                        | 44.6        | —              | —              | 42         | 24            | 13.7             | 33                           |
| Mean                                                                         |                            | 102.0       |                |                |            |               |                  |                              |
| LSD                                                                          |                            | 23.2        |                |                |            |               |                  |                              |
| Error df                                                                     |                            | 122         |                |                |            |               |                  |                              |
| CV                                                                           |                            | 16.8        |                |                |            |               |                  |                              |
| R <sup>2</sup>                                                               |                            | 61.9        |                |                |            |               |                  |                              |
| <sup>1</sup> Hybrid followed by an asterisk indicates an experimental entry. |                            |             |                |                |            |               |                  |                              |

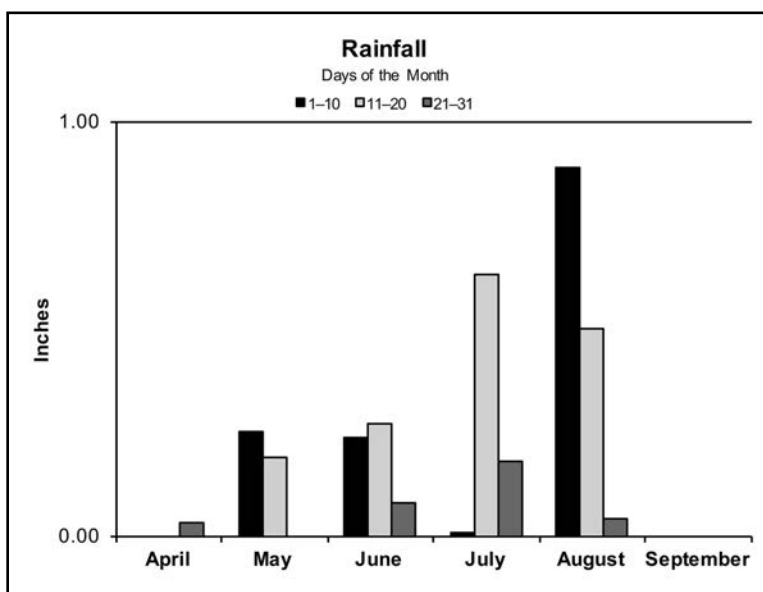
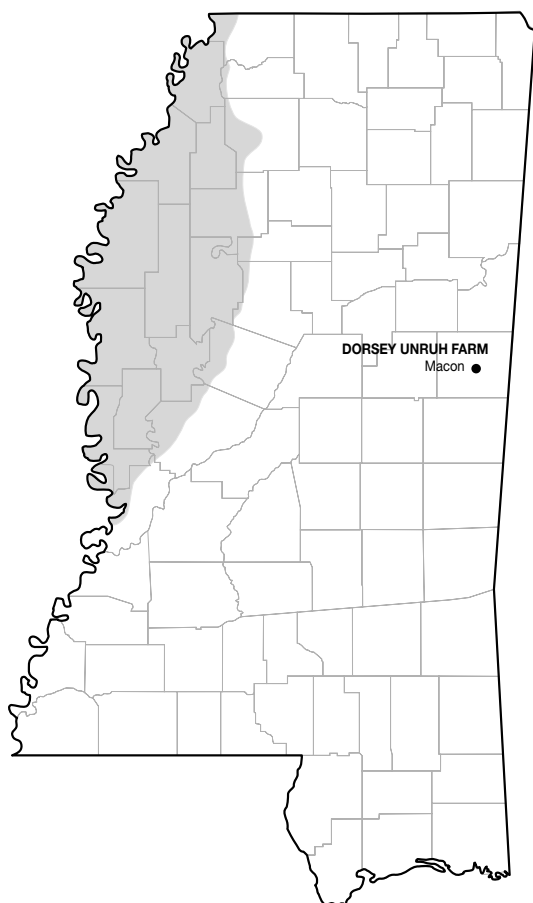
# DORSEY UNRUH FARM, MACON

## Crop Summary

The planting date at this location was slightly later than normal due to frequent rainfall during March and early April. The plots were planted into a stale seedbed with adequate moisture for germination. All plots

emerged to a good stand. Good yields were observed at this location due to timely irrigation throughout the growing season. Harvest was completed in a timely manner.

**Soil type** ..... Brooksville and Vaiden silty clay  
**Soil pH** ..... 5.8  
**Soil fertility** ..... P=H, K=H  
**Fertilizer added** ..... Preplant — poultry litter @ 2 tons/A (fall applied)  
                                          Starter — 10-20-5-1S-0.43Zn @ 20 gal/A (applied 2x2) on April 22  
                                          Sidedress — N @ 265 lb/A (32% UAN) on May 11  
**Herbicide application** ... Preemergence — Lexar @ 2 qt/A and Gramoxone @ 1 qt/A on April 22  
                                          Postemergence — Resicore @ 3 qt/A, Atrazine @ 1 qt/A, and Roundup  
                                          PowerMAX @ 22 oz/A on May 16  
**Previous crop** ..... Soybeans  
**Planting date** ..... April 22  
**Harvest date** ..... September 2  
**Irrigation dates** ..... Center-pivot irrigation (1") on May 26, June 2, June 23, June 28, July 6,  
                                          July 16, July 27



## Rainfall Summary

|                    | Inches      |
|--------------------|-------------|
| April .....        | 0.03        |
| May .....          | 0.44        |
| June .....         | 0.59        |
| July .....         | 0.82        |
| August .....       | 1.43        |
| September .....    | 0.00        |
| <b>Total .....</b> | <b>3.31</b> |

**Table 11. Results from 77 corn hybrids grown with center-pivot irrigation on a Brooksville and Vaiden silty clay soil near Macon, Noxubee County, 2016.**

| Brand name       | Hybrid number <sup>1</sup> | 2016 yield  | 2-year average | 3-year average | Ear height | Stalk lodging | Moisture content | Harvested population (x1000) |
|------------------|----------------------------|-------------|----------------|----------------|------------|---------------|------------------|------------------------------|
|                  |                            | <i>bu/A</i> | <i>bu/A</i>    | <i>bu/A</i>    | <i>in</i>  | %             | %                |                              |
| AgVenture        | RL9583YHB                  | 262.6       | 265.9          | —              | 53         | 3             | 17.2             | 35                           |
| DeKalb           | DKC67-44                   | 259.9       | —              | —              | 51         | —             | 16.3             | 32                           |
| Great Heart Seed | HX-8033-3110VIP            | 259.4       | —              | —              | 62         | —             | 17.2             | 34                           |
| AgVenture        | RL9801YHB                  | 257.2       | 257.1          | —              | 44         | —             | 16.8             | 34                           |
| Pioneer          | P2089YHR~S                 | 255.8       | —              | —              | 47         | —             | 15.3             | 36                           |
| DeKalb           | DKC68-26                   | 254.5       | 258.3          | —              | 46         | 0             | 15.7             | 33                           |
| DeKalb           | DKC64-35                   | 251.8       | —              | —              | 49         | —             | 15.8             | 32                           |
| DeKalb           | DKC66-75                   | 251.4       | —              | —              | 47         | —             | 15.6             | 35                           |
| DeKalb           | DKC66-59                   | 250.9       | 243.9          | —              | 53         | 0             | 16.6             | 33                           |
| Armor            | 1717PRO2                   | 250.9       | 244.6          | —              | 48         | —             | 15.2             | 35                           |
| Progeny Ag       | PGY5115VT2P                | 249.7       | 232.1          | 235.9          | 44         | —             | 15.7             | 34                           |
| Armor            | 1414                       | 248.8       | 241.7          | 243.4          | 57         | 0             | 15.5             | 35                           |
| DeKalb           | DKC70-27                   | 248.0       | —              | —              | 53         | —             | 15.9             | 35                           |
| AgriGold Hybrids | A6711VT2PRO                | 247.3       | 240.0          | —              | 51         | —             | 15.7             | 35                           |
| Dyna-Gro         | D58VC37                    | 246.9       | 240.7          | —              | 45         | —             | 15.4             | 34                           |
| Augusta          | 7767                       | 245.9       | 244.4          | 248.2          | 50         | 0             | 16.0             | 33                           |
| Croplan          | 6640VT3                    | 245.8       | 252.9          | 251.9          | 44         | —             | 15.7             | 34                           |
| Augusta          | 7768                       | 245.4       | 259.2          | 260.1          | 57         | 11            | 17.0             | 33                           |
| Croplan          | 5678VT2P                   | 245.3       | —              | —              | 59         | —             | 15.7             | 34                           |
| Croplan          | 5570VT2P                   | 244.7       | —              | —              | 49         | —             | 15.5             | 33                           |
| AgVenture        | RL8714YHB                  | 243.2       | —              | —              | 53         | —             | 15.2             | 36                           |
| Augusta          | 5062                       | 243.1       | —              | —              | 48         | —             | 14.6             | 34                           |
| DeKalb           | DKC67-72                   | 242.7       | 245.8          | —              | 44         | 0             | 14.8             | 35                           |
| AgriGold Hybrids | A6544VT2PRO                | 242.6       | —              | —              | 51         | —             | 14.6             | 35                           |
| B-H Genetics     | BH 9000VT2P                | 242.5       | —              | —              | 51         | —             | 17.0             | 35                           |
| Delta Grow       | DG 3660                    | 242.1       | 230.6          | 234.7          | 51         | —             | 17.7             | 34                           |
| DeKalb           | DKC67-14                   | 241.8       | 245.8          | —              | 41         | 0             | 16.3             | 34                           |
| AgriGold Hybrids | A6652VT2PRO                | 241.3       | —              | —              | 54         | —             | 14.8             | 33                           |
| AgriGold Hybrids | A6719VT2PRO                | 240.9       | 238.0          | 238.8          | 52         | 0             | 16.0             | 34                           |
| Mycogen          | X13813VH *                 | 240.8       | 231.1          | —              | 56         | —             | 15.3             | 33                           |
| Pioneer          | P1637YHR                   | 239.8       | —              | —              | 48         | 3             | 15.2             | 35                           |
| Mycogen          | X14730VH *                 | 238.2       | —              | —              | 43         | —             | 16.6             | 35                           |
| Mycogen          | X13726VH *                 | 238.1       | 237.1          | —              | 56         | —             | 16.9             | 35                           |
| Armor            | AXC6116PRO2 *              | 238.1       | —              | —              | 49         | —             | 16.1             | 34                           |
| Croplan          | 5290DG/VT2P                | 237.7       | —              | —              | 49         | —             | 15.2             | 34                           |
| Augusta          | 7766                       | 236.1       | —              | —              | 51         | —             | 15.2             | 33                           |
| Mycogen          | X13823S3 *                 | 233.2       | —              | —              | 47         | —             | 15.1             | 35                           |
| Progeny Ag       | PGY 6116VT2P               | 232.5       | 226.5          | —              | 44         | —             | 15.6             | 33                           |
| AgriGold Hybrids | A6659VT2 RIB               | 230.2       | 241.2          | 232.1          | 53         | —             | 15.0             | 35                           |
| Mycogen          | 2C797                      | 230.2       | 232.3          | 236.8          | 45         | 0             | 14.4             | 33                           |
| AgriGold Hybrids | A6687VT2PRO                | 230.2       | 228.9          | 233.9          | 50         | —             | 15.3             | 33                           |
| Terral Seed      | REV 26BHR50                | 229.3       | 235.2          | 241.8          | 50         | —             | 16.8             | 33                           |
| B-H Genetics     | BH 8590VT2P                | 228.2       | —              | —              | 51         | —             | 16.3             | 35                           |
| Dyna-Gro         | D57VP51                    | 227.9       | 243.7          | 236.6          | 47         | —             | 15.5             | 32                           |
| AgriGold Hybrids | A6572VT2PRO                | 227.7       | —              | —              | 57         | —             | 15.6             | 34                           |
| AgVenture        | RL8430YHB                  | 227.5       | 243.4          | —              | 42         | —             | 14.6             | 35                           |
| DeKalb           | DKC62-08                   | 227.4       | 230.2          | 229.9          | 44         | —             | 14.9             | 33                           |
| Terral Seed      | REV 25BHR26                | 226.0       | 232.1          | —              | 43         | 0             | 15.7             | 33                           |
| Great Heart Seed | HT-7493VT2P                | 225.7       | —              | —              | 61         | —             | 15.7             | 34                           |
| Progeny Ag       | PGY EXP1615VT2P *          | 225.6       | —              | —              | 43         | —             | 15.8             | 34                           |
| AgriGold Hybrids | A6499VT2 RIB               | 225.1       | 226.8          | 229.2          | 51         | —             | 16.7             | 35                           |
| Augusta          | 1564                       | 224.3       | —              | —              | 46         | —             | 15.6             | 36                           |
| Terral Seed      | REV 28R10                  | 224.1       | —              | —              | 47         | —             | 16.3             | 34                           |
| Mycogen          | 2D848                      | 222.5       | 233.1          | —              | 52         | —             | 17.2             | 35                           |
| Great Heart Seed | HT-7778 VT3PRIB            | 222.0       | 216.1          | 226.8          | 63         | 2             | 15.8             | 36                           |
| Progeny Ag       | PGY 4117VT3P               | 221.3       | 218.3          | 223.9          | 57         | 0             | 15.7             | 35                           |
| Delta Grow       | DG 2888                    | 220.4       | 221.7          | 229.4          | 61         | —             | 16.2             | 34                           |
| Augusta          | 5566                       | 220.0       | —              | —              | 57         | —             | 16.7             | 34                           |
| DeKalb           | DKC62-20RIB                | 218.3       | —              | —              | 53         | —             | 14.4             | 36                           |

<sup>1</sup>Hybrid followed by an asterisk indicates an experimental entry.

**Table 11 (cont.). Results from 77 corn hybrids grown with center-pivot irrigation on a Brooksville and Vaiden silty clay soil near Macon, Noxubee County, 2016.**

| Brand name                                                                   | Hybrid number <sup>1</sup> | 2016 yield  | 2-year average | 3-year average | Ear height | Stalk lodging | Moisture content | Harvested population (x1000) |
|------------------------------------------------------------------------------|----------------------------|-------------|----------------|----------------|------------|---------------|------------------|------------------------------|
|                                                                              |                            | <i>bu/A</i> | <i>bu/A</i>    | <i>bu/A</i>    | <i>in</i>  | %             | %                |                              |
| Mycogen                                                                      | X14677S2 *                 | 217.5       | —              | —              | 45         | —             | 14.8             | 34                           |
| Terral Seed                                                                  | REV 28HR20                 | 217.2       | 226.2          | 222.6          | 51         | —             | 15.4             | 34                           |
| Mycogen                                                                      | 2Y744                      | 216.7       | 210.5          | —              | 43         | 9             | 14.9             | 35                           |
| Augusta                                                                      | 1565 *                     | 216.4       | —              | —              | 51         | —             | 15.1             | 34                           |
| Pioneer                                                                      | P1197YHR                   | 216.3       | —              | —              | 53         | —             | 14.2             | 34                           |
| Augusta                                                                      | 8868                       | 215.8       | 225.9          | 231.5          | 56         | 0             | 15.4             | 36                           |
| Progeny Ag                                                                   | PGY 6119VT2P               | 214.6       | —              | —              | 50         | —             | 16.3             | 34                           |
| Armor                                                                        | 1500PRO2                   | 214.1       | —              | —              | 45         | —             | 16.4             | 35                           |
| Delta Grow                                                                   | DG 2688                    | 213.2       | —              | —              | 47         | 12            | 14.6             | 34                           |
| AgriGold Hybrids                                                             | A6559VT2RIB                | 213.2       | 229.0          | —              | 50         | —             | 14.2             | 34                           |
| Dyna-Gro                                                                     | D57VP75                    | 212.8       | 228.1          | 231.7          | 51         | —             | 15.9             | 34                           |
| Augusta                                                                      | 5664                       | 212.8       | —              | —              | 51         | —             | 16.3             | 34                           |
| Dyna-Gro                                                                     | D54VC52                    | 212.3       | —              | —              | 45         | —             | 15.9             | 34                           |
| NK                                                                           | 68K                        | 210.9       | —              | —              | 44         | —             | 13.6             | 35                           |
| Terral Seed                                                                  | REV 23BHR55                | 210.0       | 226.3          | 235.0          | 48         | —             | 15.0             | 34                           |
| Terral Seed                                                                  | REV 24BHR93                | 209.7       | 216.9          | 217.5          | 48         | —             | 15.4             | 32                           |
| NK                                                                           | 69D                        | 204.0       | —              | —              | 48         | —             | 15.5             | 34                           |
| Armor                                                                        | AXG6118 *                  | 201.6       | —              | —              | 44         | —             | 16.3             | 37                           |
| Mean                                                                         |                            | 232.5       |                |                |            |               |                  |                              |
| LSD                                                                          |                            | 22.2        |                |                |            |               |                  |                              |
| Error df                                                                     |                            | 152         |                |                |            |               |                  |                              |
| CV                                                                           |                            | 7.1         |                |                |            |               |                  |                              |
| R <sup>2</sup>                                                               |                            | 56.2        |                |                |            |               |                  |                              |
| <sup>1</sup> Hybrid followed by an asterisk indicates an experimental entry. |                            |             |                |                |            |               |                  |                              |

# ADRON FARMS, MINTER CITY

## Crop Summary

Planting at this location was delayed somewhat due to frequent spring rains. The plots were planted into a seedbed with good soil moisture that had been harrowed just before planting. All plots quickly emerged to a good

stand. Furrow irrigation supplemented soil moisture when needed during the growing season. Harvest was completed in a timely manner, and excellent yields were observed at this location.

**Soil type** ..... Dubbs and Dundee silt loam

**Soil pH** ..... 6.1

**Soil fertility** ..... P=H, K=M

**Fertilizer added** ..... Starter — 10-20-5-1S-0.43Zn @ 20 gal/A (applied 2x2) on April 19

Topdress — Urea @ 550 lb/A (three applications of 200 lb, 250 lb, and 100 lb)

**Herbicide application** ... Preemergence — Lexar @ 2 qt/A on April 19

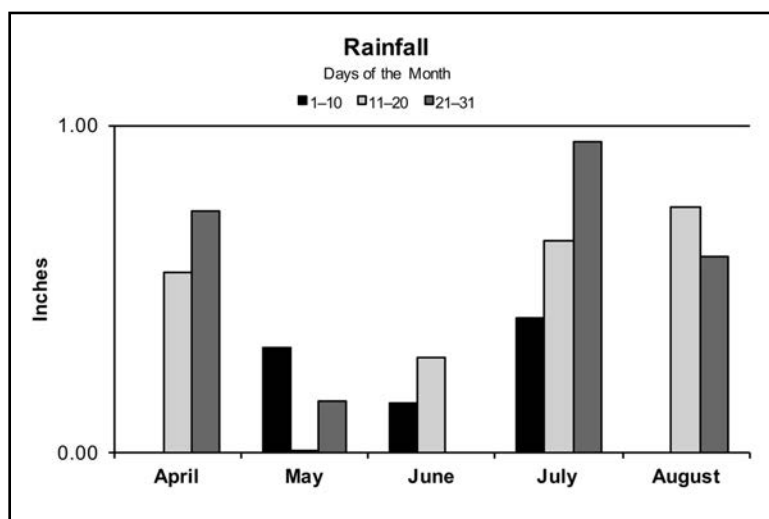
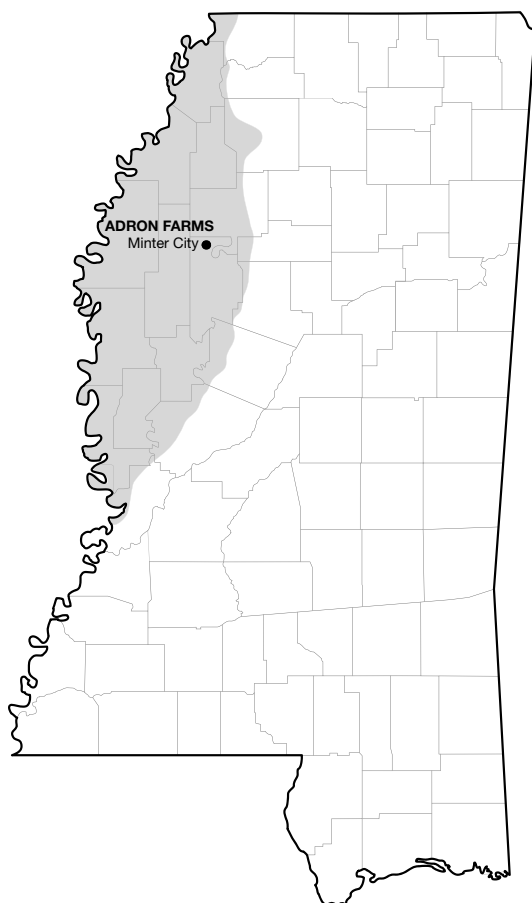
Postemergence — Atrazine @ 1 qt/A and Halex GT @ 56 oz/A

**Previous crop** ..... Corn

**Planting date** ..... April 19

**Harvest date** ..... August 30

**Irrigation** ..... Furrow irrigated as needed (four times)



## Rainfall Summary

|              | Inches |
|--------------|--------|
| April .....  | 1.29   |
| May .....    | 0.49   |
| June .....   | 0.44   |
| July .....   | 2.01   |
| August ..... | 1.35   |
| Total .....  | 5.58   |

**Table 12. Results from 77 corn hybrids grown with furrow irrigation  
on a Dubs and Dundee silt loam soil near Minter City, 2016.**

| Brand name       | Hybrid number <sup>1</sup> | 2016 yield  | 2-year average | 3-year average | Ear height | Moisture content | Harvested population (x1000) |
|------------------|----------------------------|-------------|----------------|----------------|------------|------------------|------------------------------|
|                  |                            | <i>bu/A</i> | <i>bu/A</i>    | <i>bu/A</i>    | <i>in</i>  | <i>%</i>         |                              |
| DeKalb           | DKC68-26                   | 274.6       | 255.3          | —              | 57         | 17.5             | 34                           |
| AgriGold Hybrids | A6544VT2PRO                | 273.7       | —              | —              | 50         | 16.3             | 30                           |
| Dyna-Gro         | D57VP75                    | 271.5       | 254.9          | 257.2          | 62         | 16.9             | 37                           |
| Progeny Ag       | PGY5115VT2P                | 267.2       | 234.3          | 229.9          | 43         | 16.2             | 26                           |
| DeKalb           | DKC66-75                   | 264.8       | —              | —              | 51         | 16.7             | 31                           |
| Augusta          | 5062                       | 264.5       | —              | —              | 49         | 16.8             | 29                           |
| DeKalb           | DKC70-27                   | 263.8       | —              | —              | 54         | 18.1             | 32                           |
| AgVenture        | RL9801YHB                  | 262.9       | 240.9          | —              | 53         | 18.5             | 32                           |
| Augusta          | 8868                       | 262.2       | 247.9          | 248.1          | 60         | 16.8             | 36                           |
| Armor            | 1717PRO2                   | 258.8       | 239.2          | —              | 53         | 17.2             | 32                           |
| Pioneer          | P1637YHR                   | 257.5       | —              | —              | 54         | 17.0             | 32                           |
| Pioneer          | P2089YHR-S                 | 253.2       | —              | —              | 55         | 18.0             | 33                           |
| AgriGold Hybrids | A6711VT2PRO                | 252.6       | 226.6          | —              | 41         | 17.6             | 25                           |
| AgriGold Hybrids | A6687VT2PRO                | 251.4       | 236.7          | 242.8          | 57         | 16.5             | 34                           |
| Armor            | 1414                       | 251.0       | 243.8          | 249.7          | 53         | 16.7             | 32                           |
| DeKalb           | DKC62-20RIB                | 250.7       | —              | —              | 52         | 16.0             | 31                           |
| Croplan          | 5678VT2P                   | 250.5       | —              | —              | 47         | 17.1             | 28                           |
| AgVenture        | RL8430YHB                  | 249.6       | 242.3          | —              | 50         | 16.3             | 30                           |
| Dyna-Gro         | D57VP51                    | 249.1       | 241.0          | 240.7          | 50         | 17.3             | 30                           |
| AgVenture        | RL9583YHB                  | 247.8       | 246.3          | —              | 45         | 18.3             | 27                           |
| AgVenture        | RL8714YHB                  | 247.5       | —              | —              | 54         | 16.8             | 32                           |
| Pioneer          | P1197YHR                   | 245.4       | —              | —              | 48         | 16.2             | 29                           |
| Augusta          | 7766                       | 245.0       | —              | —              | 49         | 16.7             | 29                           |
| AgriGold Hybrids | A6652VT2PRO                | 243.9       | —              | —              | 52         | 16.3             | 31                           |
| Croplan          | 5290DG/VT2P                | 243.8       | —              | —              | 50         | 16.5             | 30                           |
| Dyna-Gro         | D58VC37                    | 243.8       | 227.6          | —              | 49         | 17.2             | 29                           |
| Terral Seed      | REV 26BHR50                | 243.7       | 244.4          | 247.2          | 55         | 18.1             | 33                           |
| Augusta          | 7767                       | 243.5       | 229.6          | 231.5          | 50         | 17.6             | 30                           |
| Great Heart Seed | HT-7778 VT3PRIB            | 243.5       | 233.9          | 243.1          | 55         | 17.0             | 33                           |
| DeKalb           | DKC62-08                   | 242.4       | 229.8          | 232.8          | 56         | 16.0             | 34                           |
| B-H Genetics     | BH 8590VT2P                | 242.3       | —              | —              | 43         | 16.8             | 26                           |
| Terral Seed      | REV 23BHR55                | 242.0       | 238.0          | 241.4          | 56         | 16.1             | 34                           |
| Armor            | AXC6116PRO2 *              | 241.3       | —              | —              | 52         | 16.2             | 31                           |
| AgriGold Hybrids | A6572VT2PRO                | 241.0       | —              | —              | 46         | 16.6             | 28                           |
| AgriGold Hybrids | A6719VT2PRO                | 240.6       | 226.4          | 232.8          | 58         | 16.9             | 35                           |
| DeKalb           | DKC67-44                   | 240.3       | —              | —              | 49         | 17.2             | 29                           |
| Progeny Ag       | PGY 6116VT2P               | 239.0       | 222.4          | —              | 46         | 16.9             | 28                           |
| AgriGold Hybrids | A6559VT2RIB                | 236.2       | 217.7          | —              | 55         | 16.2             | 33                           |
| B-H Genetics     | BH 9000VT2P                | 234.7       | —              | —              | 49         | 17.5             | 29                           |
| DeKalb           | DKC67-14                   | 234.3       | 226.5          | —              | 49         | 17.3             | 29                           |
| DeKalb           | DKC64-35                   | 233.8       | —              | —              | 51         | 16.6             | 31                           |
| DeKalb           | DKC66-59                   | 232.9       | 224.2          | —              | 50         | 17.1             | 30                           |
| Croplan          | 6640VT3                    | 232.9       | 220.9          | 230.5          | 49         | 16.4             | 29                           |
| Augusta          | 1564                       | 231.8       | —              | —              | 47         | 16.8             | 28                           |
| Augusta          | 1565 *                     | 231.2       | —              | —              | 58         | 17.6             | 35                           |
| Mycogen          | X14730VH *                 | 230.9       | —              | —              | 54         | 17.3             | 32                           |
| Mycogen          | X13726VH *                 | 230.5       | 219.1          | —              | 56         | 17.8             | 34                           |
| Croplan          | 5570VT2P                   | 230.3       | —              | —              | 49         | 16.6             | 29                           |
| Augusta          | 5566                       | 229.6       | —              | —              | 48         | 19.1             | 29                           |
| DeKalb           | DKC67-72                   | 229.3       | 215.9          | —              | 46         | 16.9             | 28                           |
| Progeny Ag       | PGY 6119VT2P               | 227.7       | —              | —              | 54         | 17.5             | 32                           |
| Terral Seed      | REV 28HR20                 | 226.8       | 225.7          | 236.0          | 57         | 17.7             | 34                           |
| Armor            | AXG6118 *                  | 226.5       | —              | —              | 48         | 18.7             | 29                           |
| AgriGold Hybrids | A6499VT2 RIB               | 224.1       | 214.1          | 223.1          | 47         | 16.3             | 28                           |
| Terral Seed      | REV 25BHR26                | 222.2       | 228.2          | —              | 49         | 16.5             | 29                           |
| Delta Grow       | DG 2688                    | 221.5       | —              | —              | 51         | 16.6             | 31                           |
| AgriGold Hybrids | A6659VT2 RIB               | 220.7       | 224.8          | 227.1          | 52         | 17.0             | 31                           |
| Mycogen          | X14677S2 *                 | 220.5       | —              | —              | 44         | 15.9             | 26                           |
| Terral Seed      | REV 28R10                  | 220.2       | —              | —              | 55         | 17.4             | 33                           |

<sup>1</sup>Hybrid followed by an asterisk indicates an experimental entry.



**Table 12 (cont.). Results from 77 corn hybrids grown with furrow irrigation  
on a Dubs and Dundee silt loam soil near Minter City, 2016.**

| Brand name       | Hybrid number <sup>1</sup> | 2016 yield  | 2-year average | 3-year average | Ear height | Moisture content | Harvested population (x1000) |
|------------------|----------------------------|-------------|----------------|----------------|------------|------------------|------------------------------|
|                  |                            | <i>bu/A</i> | <i>bu/A</i>    | <i>bu/A</i>    | <i>in</i>  | <i>%</i>         |                              |
| Mycogen          | X13813VH *                 | 219.9       | 213.2          | —              | 62         | 17.0             | 37                           |
| Great Heart Seed | HX-8033-3110VIP            | 219.8       | —              | —              | 54         | 18.9             | 32                           |
| Augusta          | 7768                       | 218.7       | 233.8          | 245.7          | 54         | 19.1             | 32                           |
| Great Heart Seed | HT-7493VT2P                | 217.2       | —              | —              | 46         | 16.9             | 28                           |
| Progeny Ag       | PGY 4117VT3P               | 216.8       | 208.6          | 218.0          | 61         | 17.1             | 37                           |
| Mycogen          | 2D848                      | 216.7       | 222.6          | —              | 56         | 18.4             | 34                           |
| Delta Grow       | DG 2888                    | 215.6       | 218.7          | 230.0          | 53         | 18.1             | 32                           |
| Terral Seed      | REV 24BHR93                | 214.2       | 214.8          | 225.7          | 53         | 16.7             | 32                           |
| Augusta          | 5664                       | 212.8       | —              | —              | 48         | 17.7             | 29                           |
| Mycogen          | 2C797                      | 212.7       | 211.1          | 214.2          | 54         | 16.2             | 32                           |
| Delta Grow       | DG 3660                    | 210.4       | 203.5          | 207.3          | 47         | 18.2             | 28                           |
| Dyna-Gro         | D54VC52                    | 207.8       | —              | —              | 51         | 16.9             | 31                           |
| Armor            | 1500PRO2                   | 202.7       | —              | —              | 49         | 17.2             | 29                           |
| Mycogen          | 2Y744                      | 201.8       | 186.3          | —              | 42         | 15.7             | 25                           |
| NK               | 68K                        | 201.4       | —              | —              | 47         | 15.7             | 28                           |
| Mycogen          | X13823S3 *                 | 201.0       | —              | —              | 52         | 16.2             | 31                           |
| NK               | 69D                        | 200.3       | —              | —              | 51         | 16.6             | 31                           |
| Progeny Ag       | PGY EXP1615VT2P *          | 198.1       | —              | —              | 42         | 16.8             | 25                           |
| Mean             |                            | 235.4       |                |                |            |                  |                              |
| LSD              |                            | 21.5        |                |                |            |                  |                              |
| Error df         |                            | 228         |                |                |            |                  |                              |
| CV               |                            | 7.8         |                |                |            |                  |                              |
| R <sup>2</sup>   |                            | 59          |                |                |            |                  |                              |

<sup>1</sup>Hybrid followed by an asterisk indicates an experimental entry.



**Table 13. Results from 62 corn hybrids grown without irrigation on a Loring silt loam at the MAFES Brown Loam Branch, Raymond, 2016.**

| Brand name       | Hybrid number <sup>1</sup> | 2016 yield  | 2-year average | 3-year average | Ear height | Moisture content | Harvested population (x1000) |
|------------------|----------------------------|-------------|----------------|----------------|------------|------------------|------------------------------|
|                  |                            | <i>bu/A</i> | <i>bu/A</i>    | <i>bu/A</i>    | <i>in</i>  | <i>%</i>         |                              |
| Croplan          | 6640VT3                    | 163.7       | —              | —              | 41         | 15.6             | 31                           |
| Dyna-Gro         | D57VP75                    | 163.3       | —              | —              | 39         | 15.9             | 28                           |
| Armor            | 1717                       | 162.9       | —              | —              | 35         | 16.3             | 32                           |
| Pioneer          | P1197YHR                   | 159.9       | —              | —              | 43         | 15.4             | 30                           |
| Progeny Ag       | PGY 5115VT2P               | 154.6       | —              | —              | 34         | 15.3             | 32                           |
| Dyna-Gro         | D57VP51                    | 153.5       | —              | —              | 47         | 15.8             | 29                           |
| AgVenture        | Av204y                     | 151.8       | —              | —              | 44         | 16.0             | 31                           |
| NK Brand         | 68K                        | 150.0       | —              | —              | 50         | 15.0             | 32                           |
| DeKalb           | DKC67-44                   | 149.9       | —              | —              | 42         | 16.8             | 29                           |
| AgriGold         | A6659 VT2 RIB              | 147.9       | —              | —              | 43         | 16.2             | 29                           |
| Mycogen          | X13813VH *                 | 147.1       | —              | —              | 44         | 16.7             | 35                           |
| DeKalb           | DKC64-35                   | 146.6       | —              | —              | 49         | 16.9             | 29                           |
| Mycogen          | 2D848                      | 143.9       | —              | —              | 49         | 17.3             | 33                           |
| DeKalb           | DKC62-20RIB                | 143.8       | —              | —              | 40         | 15.2             | 33                           |
| DeKalb           | DKC66-75                   | 142.9       | —              | —              | 49         | 16.2             | 31                           |
| Augusta          | 7766                       | 141.9       | —              | —              | 41         | 15.4             | 32                           |
| Progeny Ag       | PGY 4117 VT3P              | 141.6       | —              | —              | 36         | 15.4             | 30                           |
| DeKalb           | DKC66-59                   | 140.8       | —              | —              | 37         | 15.8             | 31                           |
| Pioneer          | P2089YHR-S                 | 139.7       | —              | —              | 52         | 16.1             | 31                           |
| Mycogen          | X14730VH *                 | 138.3       | —              | —              | 46         | 16.5             | 35                           |
| DeKalb           | DKC67-14                   | 137.6       | —              | —              | 44         | 15.9             | 33                           |
| DeKalb           | DKC70-27                   | 136.2       | —              | —              | 46         | 17.2             | 34                           |
| AgriGold         | A6687VT2PRO                | 134.6       | —              | —              | 41         | 16.9             | 31                           |
| Mycogen          | X13823S3 *                 | 131.6       | —              | —              | 37         | 15.5             | 34                           |
| DeKalb           | DKC67-72                   | 131.5       | —              | —              | 37         | 16.6             | 34                           |
| Augusta          | 1564                       | 130.6       | —              | —              | 46         | 15.3             | 31                           |
| Delta Grow       | DG 2688                    | 129.3       | —              | —              | 47         | 15.2             | 34                           |
| Progeny Ag       | PGY 6116VT2P               | 129.2       | —              | —              | 41         | 17.0             | 28                           |
| Pioneer          | P1637YHR                   | 128.4       | —              | —              | 44         | 15.3             | 31                           |
| AgriGold         | A6711VT2PRO                | 128.0       | —              | —              | 42         | 15.9             | 31                           |
| AgriGold         | A6544VT2PRO                | 128.0       | —              | —              | 46         | 14.9             | 32                           |
| Terral Seed      | REV 26BHR50                | 127.7       | —              | —              | 40         | 16.5             | 25                           |
| AgriGold         | A6572VT2PRO                | 127.0       | —              | —              | 40         | 15.7             | 31                           |
| Mycogen          | 2C797                      | 126.8       | —              | —              | 49         | 15.3             | 34                           |
| Armor            | 1500                       | 126.8       | —              | —              | 40         | 15.8             | 26                           |
| DeKalb           | DKC68-26                   | 125.9       | —              | —              | 32         | 16.3             | 33                           |
| Croplan          | 5290DG/VT2P                | 125.9       | —              | —              | 36         | 15.7             | 33                           |
| Armor            | 1414                       | 124.3       | —              | —              | 43         | 15.2             | 32                           |
| Progeny Ag       | PGY 6119VT2P               | 117.9       | —              | —              | 46         | 16.5             | 30                           |
| DeKalb           | DKC62-08                   | 116.5       | —              | —              | 40         | 15.6             | 32                           |
| Great Heart Seed | HT 7261 VT3P RIB           | 116.3       | —              | —              | 41         | 16.3             | 30                           |
| AgriGold         | A6499VT2RIB                | 115.7       | —              | —              | 38         | 14.6             | 32                           |
| Terral Seed      | REV 25BHR26                | 114.5       | —              | —              | 50         | 15.7             | 26                           |
| Terral Seed      | REV 22BHR43                | 113.1       | —              | —              | 40         | 15.9             | 27                           |
| Progeny Ag       | PGY EXP1615VT2P *          | 112.9       | —              | —              | 40         | 15.4             | 29                           |
| Augusta          | 5566                       | 112.3       | —              | —              | 43         | 16.7             | 28                           |
| Terral Seed      | REV 23BHR55                | 112.0       | —              | —              | 42         | 15.9             | 24                           |
| Augusta          | 5664                       | 111.6       | —              | —              | 53         | 16.2             | 32                           |
| Mycogen          | X14677S2 *                 | 110.1       | —              | —              | 42         | 15.2             | 34                           |
| Terral Seed      | REV 24BHR93                | 109.1       | —              | —              | 39         | 15.6             | 23                           |
| NK Brand         | 69D                        | 108.3       | —              | —              | 49         | 15.8             | 29                           |
| Dyna-Gro         | D54VC52                    | 108.2       | —              | —              | 46         | 15.7             | 24                           |
| Terral Seed      | REV 28R10                  | 105.4       | —              | —              | 44         | 15.8             | 26                           |
| Delta Grow       | DG 2888                    | 104.2       | —              | —              | 38         | 16.1             | 32                           |
| Terral Seed      | REV 28HR20                 | 101.2       | —              | —              | 40         | 17.1             | 24                           |
| Mycogen          | 2Y744                      | 100.9       | —              | —              | 36         | 14.7             | 33                           |
| Armor            | AXG6118 *                  | 99.6        | —              | —              | 35         | 15.8             | 27                           |
| AgriGold         | A6652VT2PRO                | 99.3        | —              | —              | 47         | 15.1             | 31                           |
| AgriGold         | A6559VT2RIB                | 91.1        | —              | —              | 39         | 15.0             | 33                           |

<sup>1</sup>Hybrid followed by an asterisk indicates an experimental entry.

**Table 13 (cont.). Results from 62 corn hybrids grown without irrigation on a Loring silt loam at the MAFES Brown Loam Branch, Raymond, 2016.**

| Brand name     | Hybrid number <sup>1</sup> | 2016 yield  | 2-year average | 3-year average | Ear height | Moisture content | Harvested population (x1000) |
|----------------|----------------------------|-------------|----------------|----------------|------------|------------------|------------------------------|
|                |                            | <i>bu/A</i> | <i>bu/A</i>    | <i>bu/A</i>    | <i>in</i>  | %                |                              |
| AgriGold       | A6719VT2PRO                | 85.5        | —              | —              | 49         | 16.5             | 28                           |
| Armor          | AXC6116 *                  | 81.8        | —              | —              | 39         | 15.4             | 32                           |
| Delta Grow     | DG 3660                    | 72.6        | —              | —              | 44         | 17.1             | 32                           |
| Mean           |                            | 126.4       |                |                |            |                  |                              |
| LSD            |                            | 21.6        |                |                |            |                  |                              |
| Error df       |                            | 122         |                |                |            |                  |                              |
| CV             |                            | 12.6        |                |                |            |                  |                              |
| R <sup>2</sup> |                            | 71.8        |                |                |            |                  |                              |

<sup>1</sup>Hybrid followed by an asterisk indicates an experimental entry.



**Table 14. Results from 77 corn hybrids grown with furrow irrigation on a Commerce silty clay loam soil near Rolling Fork, 2016.**

| Brand name       | Hybrid number <sup>1</sup> | 2016 yield  | 2-year average | 3-year average | Ear height | Moisture content | Harvested population (x1000) |
|------------------|----------------------------|-------------|----------------|----------------|------------|------------------|------------------------------|
|                  |                            | <i>bu/A</i> | <i>bu/A</i>    | <i>bu/A</i>    | <i>in</i>  | <i>%</i>         |                              |
| AgVenture        | RL8714YHB                  | 249.0       | —              | —              | 38         | 14.4             | 33                           |
| Terral Seed      | REV 28R10                  | 245.4       | —              | —              | 38         | 15.1             | 30                           |
| Great Heart Seed | HT-7778 VT3PRIB            | 243.7       | 233.9          | 245.4          | 48         | 14.4             | 35                           |
| Pioneer          | P1637YHR                   | 243.0       | —              | —              | 39         | 14.4             | 33                           |
| Pioneer          | P2089YHR~S                 | 242.9       | —              | —              | 40         | 15.0             | 31                           |
| Mycogen          | X13813VH *                 | 242.8       | 233.7          | —              | 44         | 14.5             | 34                           |
| Progeny Ag       | PGY5115VT2P                | 240.9       | 227.8          | 230.3          | 39         | 14.4             | 36                           |
| AgVenture        | RL9583YHB                  | 240.4       | 248.5          | —              | 39         | 16.3             | 34                           |
| Mycogen          | 2D848                      | 239.8       | 239.4          | —              | 41         | 16.4             | 37                           |
| Augusta          | 7766                       | 238.5       | —              | —              | 44         | 14.4             | 35                           |
| AgVenture        | RL8430YHB                  | 237.4       | 246.2          | —              | 41         | 13.9             | 33                           |
| Great Heart Seed | HX-8033-3110VIP            | 237.1       | —              | —              | 47         | 16.0             | 33                           |
| Mycogen          | X14677S2 *                 | 235.3       | —              | —              | 37         | 13.8             | 36                           |
| AgVenture        | RL9801YHB                  | 234.8       | 246.6          | —              | 44         | 15.7             | 33                           |
| Terral Seed      | REV 28HR20                 | 233.5       | 247.7          | 242.8          | 36         | 15.4             | 28                           |
| DeKalb           | DKC68-26                   | 232.3       | 234.6          | —              | 36         | 14.6             | 33                           |
| B-H Genetics     | BH 9000VT2P                | 231.3       | —              | —              | 41         | 15.1             | 34                           |
| AgriGold Hybrids | A6652VT2PRO                | 228.1       | —              | —              | 38         | 14.2             | 34                           |
| Augusta          | 5566                       | 227.5       | —              | —              | 38         | 15.1             | 35                           |
| DeKalb           | DKC67-14                   | 227.4       | 233.8          | —              | 40         | 15.1             | 33                           |
| AgriGold Hybrids | A6719VT2PRO                | 226.7       | 231.9          | 236.1          | 37         | 14.4             | 31                           |
| Augusta          | 7768                       | 226.0       | 238.6          | 251.5          | 40         | 16.1             | 34                           |
| Delta Grow       | DG 3660                    | 225.9       | 218.4          | 221.8          | 38         | 14.8             | 29                           |
| Mycogen          | 2C797                      | 225.0       | 220.1          | 227.3          | 38         | 14.1             | 31                           |
| Terral Seed      | REV 23BHR55                | 224.5       | 234.4          | 242.0          | 44         | 14.1             | 31                           |
| Armor            | AXG6118 *                  | 223.9       | —              | —              | 41         | 14.5             | 32                           |
| Mycogen          | X14730VH *                 | 223.7       | —              | —              | 40         | 15.2             | 32                           |
| DeKalb           | DKC64-35                   | 222.7       | —              | —              | 45         | 14.9             | 33                           |
| AgriGold Hybrids | A6544VT2PRO                | 222.5       | —              | —              | 40         | 13.7             | 32                           |
| Armor            | AXC6116PRO2 *              | 222.4       | —              | —              | 38         | 14.3             | 31                           |
| Terral Seed      | REV 26BHR50                | 222.2       | 230.7          | 247.2          | 32         | 15.5             | 30                           |
| DeKalb           | DKC66-59                   | 221.1       | 223.6          | —              | 35         | 14.4             | 32                           |
| DeKalb           | DKC70-27                   | 220.8       | —              | —              | 40         | 15.1             | 34                           |
| Delta Grow       | DG 2888                    | 219.7       | 210.1          | 223.0          | 39         | 14.8             | 32                           |
| AgriGold Hybrids | A6711VT2PRO                | 219.3       | 220.6          | —              | 35         | 14.5             | 32                           |
| DeKalb           | DKC67-72                   | 219.3       | 211.4          | —              | 38         | 14.6             | 34                           |
| Croplan          | 6640VT3                    | 218.6       | 223.2          | 235.2          | 37         | 14.7             | 28                           |
| DeKalb           | DKC67-44                   | 218.5       | —              | —              | 43         | 15.1             | 32                           |
| AgriGold Hybrids | A6559VT2RIB                | 217.5       | 221.3          | —              | 42         | 14.2             | 32                           |
| Augusta          | 8868                       | 217.4       | 235.2          | 240.3          | 44         | 14.3             | 30                           |
| Armor            | 1717PRO2                   | 217.0       | 232.8          | —              | 35         | 14.7             | 34                           |
| Mycogen          | X13823S3 *                 | 216.7       | —              | —              | 40         | 14.6             | 35                           |
| AgriGold Hybrids | A6687VT2PRO                | 216.6       | 221.4          | 230.7          | 34         | 14.7             | 32                           |
| Dyna-Gro         | D57VP51                    | 215.9       | 229.6          | 226.0          | 36         | 14.4             | 32                           |
| Terral Seed      | REV 25BHR26                | 213.3       | 229.1          | —              | 39         | 14.3             | 33                           |
| DeKalb           | DKC62-08                   | 212.9       | 218.9          | 219.9          | 43         | 14.1             | 34                           |
| Great Heart Seed | HT-7493VT2P                | 212.3       | —              | —              | 50         | 14.8             | 30                           |
| Mycogen          | X13726VH *                 | 212.1       | 226.3          | —              | 46         | 15.1             | 30                           |
| Progeny Ag       | PGY 6116VT2P               | 212.0       | 206.2          | —              | 35         | 14.4             | 30                           |
| Croplan          | 5570VT2P                   | 211.7       | —              | —              | 42         | 14.5             | 31                           |
| Croplan          | 5678VT2P                   | 211.5       | —              | —              | 33         | 14.4             | 29                           |
| Mycogen          | 2Y744                      | 210.6       | 197.7          | —              | 33         | 13.7             | 32                           |
| Augusta          | 5664                       | 210.4       | —              | —              | 41         | 15.3             | 32                           |
| DeKalb           | DKC66-75                   | 210.3       | —              | —              | 48         | 14.7             | 31                           |
| AgriGold Hybrids | A6499VT2 RIB               | 210.0       | 219.5          | 224.6          | 39         | 14.0             | 33                           |
| Augusta          | 1564                       | 209.8       | —              | —              | 39         | 14.1             | 33                           |
| Augusta          | 1565 *                     | 208.9       | —              | —              | 40         | 14.4             | 29                           |
| Dyna-Gro         | D58VC37                    | 207.4       | 222.6          | —              | 35         | 14.7             | 29                           |
| Augusta          | 5062                       | 207.2       | —              | —              | 38         | 14.6             | 33                           |

<sup>1</sup>Hybrid followed by an asterisk indicates an experimental entry.

**Table 14 (cont.). Results from 77 corn hybrids grown with furrow irrigation on a Commerce silty clay loam soil near Rolling Fork, 2016.**

| <b>Brand name</b>                                                            | <b>Hybrid number<sup>1</sup></b> | <b>2016 yield</b> | <b>2-year average</b> | <b>3-year average</b> | <b>Ear height</b> | <b>Moisture content</b> | <b>Harvested population (x1000)</b> |
|------------------------------------------------------------------------------|----------------------------------|-------------------|-----------------------|-----------------------|-------------------|-------------------------|-------------------------------------|
|                                                                              |                                  | <i>bu/A</i>       | <i>bu/A</i>           | <i>bu/A</i>           | <i>in</i>         | <i>%</i>                |                                     |
| Delta Grow                                                                   | DG 2688                          | 205.0             | —                     | —                     | 46                | 14.2                    | 31                                  |
| Terral Seed                                                                  | REV 24BHR93                      | 205.0             | 215.1                 | 232.9                 | 40                | 14.6                    | 30                                  |
| Dyna-Gro                                                                     | D54VC52                          | 204.6             | —                     | —                     | 36                | 14.6                    | 31                                  |
| Augusta                                                                      | 7767                             | 203.0             | 211.6                 | 217.2                 | 38                | 14.7                    | 31                                  |
| Croplan                                                                      | 5290DG/VT2P                      | 202.5             | —                     | —                     | 45                | 14.5                    | 30                                  |
| AgriGold Hybrids                                                             | A6572VT2PRO                      | 201.3             | —                     | —                     | 40                | 14.6                    | 30                                  |
| AgriGold Hybrids                                                             | A6659VT2 RIB                     | 200.0             | 224.7                 | 222.9                 | 39                | 14.2                    | 30                                  |
| B-H Genetics                                                                 | BH 8590VT2P                      | 199.9             | —                     | —                     | 42                | 14.5                    | 28                                  |
| NK                                                                           | 69D                              | 199.3             | —                     | —                     | 39                | 14.8                    | 32                                  |
| Armor                                                                        | 1500PRO2                         | 198.1             | —                     | —                     | 36                | 14.4                    | 28                                  |
| Pioneer                                                                      | P1197YHR                         | 198.0             | —                     | —                     | 39                | 14.1                    | 30                                  |
| Dyna-Gro                                                                     | D57VP75                          | 194.9             | 223.5                 | 239.5                 | 43                | 14.6                    | 28                                  |
| DeKalb                                                                       | DKC62-20RIB                      | 194.3             | —                     | —                     | 41                | 13.9                    | 32                                  |
| Progeny Ag                                                                   | PGY 4117VT3P                     | 193.6             | 204.8                 | 220.6                 | 38                | 14.4                    | 28                                  |
| NK                                                                           | 68K                              | 184.1             | —                     | —                     | 34                | 13.5                    | 33                                  |
| Progeny Ag                                                                   | PGY EXP1615VT2P *                | 182.3             | —                     | —                     | 35                | 14.4                    | 27                                  |
| Progeny Ag                                                                   | PGY 6119VT2P                     | 182.3             | —                     | —                     | 37                | 14.8                    | 28                                  |
| Armor                                                                        | 1414                             | 178.6             | 208.9                 | 223.2                 | 36                | 14.3                    | 29                                  |
| Mean                                                                         |                                  | 217.4             |                       |                       |                   |                         |                                     |
| LSD                                                                          |                                  | 26.7              |                       |                       |                   |                         |                                     |
| Error df                                                                     |                                  | 152               |                       |                       |                   |                         |                                     |
| CV                                                                           |                                  | 9.1               |                       |                       |                   |                         |                                     |
| R <sup>2</sup>                                                               |                                  | 51.2              |                       |                       |                   |                         |                                     |
| <sup>1</sup> Hybrid followed by an asterisk indicates an experimental entry. |                                  |                   |                       |                       |                   |                         |                                     |





**Table 15. Results from 77 corn hybrids grown with furrow irrigation on a Sharkey clay soil at MAFES Delta Branch, Stoneville, 2016.**

| Brand name       | Hybrid number <sup>1</sup> | 2016 yield  | 2-year average | 3-year average | Ear height | Moisture content | Harvested population (x1000) |
|------------------|----------------------------|-------------|----------------|----------------|------------|------------------|------------------------------|
|                  |                            | <i>bu/A</i> | <i>bu/A</i>    | <i>bu/A</i>    | <i>in</i>  | <i>%</i>         |                              |
| Great Heart Seed | HX-8033-3110VIP            | 219.5       | —              | —              | 38         | 19.9             | 34                           |
| DeKalb           | DKC67-14                   | 213.1       | 181.4          | —              | 35         | 18.5             | 31                           |
| DeKalb           | DKC67-44                   | 208.3       | —              | —              | 38         | 18.3             | 31                           |
| Delta Grow       | DG 3660                    | 203.8       | 181.8          | 197.0          | 38         | 18.7             | 31                           |
| Augusta          | 7768                       | 202.9       | 196.0          | 208.5          | 44         | 19.9             | 31                           |
| Dyna-Gro         | D57VP51                    | 201.8       | 190.8          | 199.4          | 33         | 18.0             | 31                           |
| DeKalb           | DKC66-75                   | 198.1       | —              | —              | 43         | 18.6             | 36                           |
| AgriGold Hybrids | A6652VT2PRO                | 197.7       | —              | —              | 42         | 16.4             | 35                           |
| AgriGold Hybrids | A6659VT2 RIB               | 196.5       | 184.7          | 187.9          | 40         | 17.9             | 32                           |
| DeKalb           | DKC70-27                   | 195.6       | —              | —              | 39         | 20.2             | 27                           |
| DeKalb           | DKC67-72                   | 194.7       | 177.1          | —              | 38         | 17.9             | 37                           |
| Armor            | 1717PRO2                   | 193.9       | 175.8          | —              | 37         | 18.7             | 32                           |
| Dyna-Gro         | D58VC37                    | 193.3       | 179.7          | —              | 36         | 18.0             | 34                           |
| AgriGold Hybrids | A6544VT2PRO                | 192.1       | —              | —              | 34         | 17.5             | 29                           |
| AgVenture        | RL8714YHB                  | 191.9       | —              | —              | 37         | 18.7             | 33                           |
| AgriGold Hybrids | A6711VT2PRO                | 191.8       | 187.2          | —              | 38         | 18.3             | 35                           |
| Augusta          | 7767                       | 191.2       | 182.5          | 192.6          | 38         | 18.5             | 27                           |
| Croplan          | 5290DG/VT2P                | 191.0       | —              | —              | 33         | 17.2             | 35                           |
| AgVenture        | RL9801YHB                  | 191.0       | 184.7          | —              | 44         | 20.0             | 35                           |
| AgriGold Hybrids | A6719VT2PRO                | 190.7       | 178.2          | 192.9          | 52         | 18.7             | 29                           |
| AgVenture        | RL9583YHB                  | 190.5       | 182.6          | —              | 38         | 18.9             | 29                           |
| Mycogen          | 2D848                      | 190.3       | 176.4          | —              | 36         | 20.0             | 33                           |
| DeKalb           | DKC68-26                   | 189.5       | 161.1          | —              | 40         | 18.3             | 32                           |
| B-H Genetics     | BH 9000VT2P                | 188.6       | —              | —              | 34         | 18.1             | 32                           |
| DeKalb           | DKC62-20RIB                | 187.4       | —              | —              | 37         | 16.1             | 39                           |
| DeKalb           | DKC66-59                   | 187.2       | 161.8          | —              | 33         | 16.4             | 36                           |
| AgVenture        | RL8430YHB                  | 185.9       | 175.0          | —              | 37         | 18.4             | 32                           |
| Pioneer          | P1637YHR                   | 185.9       | —              | —              | 38         | 18.4             | 34                           |
| Croplan          | 6640VT3                    | 185.9       | 171.7          | 189.6          | 35         | 16.7             | 35                           |
| Mycogen          | 2C797                      | 185.1       | 179.6          | 187.0          | 38         | 17.3             | 29                           |
| Croplan          | 5570VT2P                   | 184.5       | —              | —              | 44         | 16.7             | 30                           |
| DeKalb           | DKC62-08                   | 184.5       | 160.0          | 177.8          | 43         | 17.4             | 40                           |
| Augusta          | 5062                       | 183.8       | —              | —              | 31         | 17.1             | 35                           |
| Armor            | 1414                       | 183.0       | 169.3          | 180.0          | 41         | 16.8             | 33                           |
| Croplan          | 5678VT2P                   | 182.6       | —              | —              | 31         | 18.1             | 34                           |
| Augusta          | 5566                       | 181.9       | —              | —              | 39         | 20.9             | 32                           |
| Terral Seed      | REV 25BHR26                | 180.6       | 162.0          | —              | 34         | 18.6             | 29                           |
| Pioneer          | P1197YHR                   | 180.6       | —              | —              | 33         | 17.1             | 34                           |
| Terral Seed      | REV 28R10                  | 178.8       | —              | —              | 42         | 19.6             | 29                           |
| Augusta          | 8868                       | 178.6       | 169.1          | 186.1          | 44         | 17.3             | 34                           |
| B-H Genetics     | BH 8590VT2P                | 178.1       | —              | —              | 34         | 18.4             | 31                           |
| AgriGold Hybrids | A6572VT2PRO                | 177.7       | —              | —              | 38         | 17.2             | 33                           |
| Progeny Ag       | PGY 6119VT2P               | 177.5       | —              | —              | 37         | 18.6             | 26                           |
| Terral Seed      | REV 26BHR50                | 176.0       | 163.5          | 182.5          | 37         | 18.9             | 29                           |
| Delta Grow       | DG 2688                    | 175.5       | —              | —              | 39         | 17.4             | 38                           |
| Armor            | AXG6118 *                  | 175.5       | —              | —              | 38         | 21.4             | 29                           |
| AgriGold Hybrids | A6687VT2PRO                | 175.3       | 173.4          | 183.8          | 36         | 17.2             | 31                           |
| Great Heart Seed | HT-7493VT2P                | 175.3       | —              | —              | 43         | 18.1             | 31                           |
| Progeny Ag       | PGY 6116VT2P               | 175.1       | 169.3          | —              | 37         | 18.5             | 26                           |
| Progeny Ag       | PGY 4117VT3P               | 175.1       | 161.5          | 169.1          | 40         | 18.1             | 29                           |
| Mycogen          | X13823S3 *                 | 175.0       | —              | —              | 38         | 17.8             | 32                           |
| NK               | 68K                        | 174.9       | —              | —              | 35         | 15.4             | 33                           |
| AgriGold Hybrids | A6559VT2RIB                | 173.8       | 159.3          | —              | 45         | 16.7             | 29                           |
| Progeny Ag       | PGY5115VT2P                | 173.7       | 163.4          | 173.4          | 38         | 16.5             | 35                           |
| Terral Seed      | REV 23BHR55                | 172.1       | 159.7          | 177.4          | 42         | 19.5             | 35                           |
| Delta Grow       | DG 2888                    | 172.1       | 163.6          | 176.8          | 39         | 18.8             | 35                           |
| Dyna-Gro         | D57VP75                    | 172.0       | 168.5          | 183.1          | 38         | 17.3             | 35                           |
| DeKalb           | DKC64-35                   | 170.5       | —              | —              | 42         | 19.5             | 35                           |
| Great Heart Seed | HT-7778 VT3PRIB            | 170.5       | 165.1          | 187.7          | 44         | 17.1             | 34                           |

<sup>1</sup>Hybrid followed by an asterisk indicates an experimental entry.

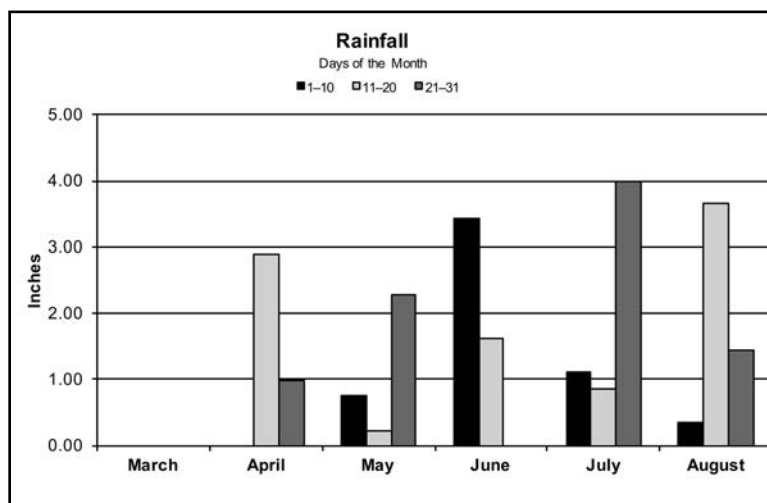
**Table 15 (cont.). Results from 77 corn hybrids grown with furrow irrigation on a Sharkey clay soil at MAFES Delta Branch, Stoneville, 2016.**

| Brand name                                                                   | Hybrid number <sup>1</sup> | 2016 yield  | 2-year average | 3-year average | Ear height | Moisture content | Harvested population (x1000) |
|------------------------------------------------------------------------------|----------------------------|-------------|----------------|----------------|------------|------------------|------------------------------|
|                                                                              |                            | <i>bu/A</i> | <i>bu/A</i>    | <i>bu/A</i>    | <i>in</i>  | %                |                              |
| Mycogen                                                                      | X13726VH *                 | 168.7       | 166.1          | —              | 43         | 19.1             | 36                           |
| Armor                                                                        | AXC6116PRO2 *              | 168.7       | —              | —              | 39         | 17.0             | 27                           |
| Augusta                                                                      | 1564                       | 168.3       | —              | —              | 41         | 16.9             | 34                           |
| Pioneer                                                                      | P2089YHR~S                 | 166.1       | —              | —              | 39         | 19.2             | 32                           |
| Dyna-Gro                                                                     | D54VC52                    | 165.7       | —              | —              | 35         | 18.0             | 34                           |
| Terral Seed                                                                  | REV 28HR20                 | 163.8       | 157.3          | 177.3          | 43         | 20.0             | 27                           |
| Augusta                                                                      | 7766                       | 163.0       | —              | —              | 39         | 16.6             | 32                           |
| Augusta                                                                      | 5664                       | 162.3       | —              | —              | 38         | 18.1             | 37                           |
| NK                                                                           | 69D                        | 161.1       | —              | —              | 32         | 17.2             | 27                           |
| Mycogen                                                                      | X14730VH *                 | 157.9       | —              | —              | 37         | 17.7             | 33                           |
| Mycogen                                                                      | X13813VH *                 | 156.6       | 140.7          | —              | 40         | 18.2             | 35                           |
| Armor                                                                        | 1500PRO2                   | 156.2       | —              | —              | 35         | 17.3             | 28                           |
| AgriGold Hybrids                                                             | A6499VT2 RIB               | 155.8       | 157.5          | 164.8          | 34         | 16.6             | 30                           |
| Mycogen                                                                      | X14677S2 *                 | 149.7       | —              | —              | 30         | 16.8             | 27                           |
| Terral Seed                                                                  | REV 24BHR93                | 145.8       | 146.9          | 171.3          | 36         | 18.2             | 28                           |
| Augusta                                                                      | 1565 *                     | 144.9       | —              | —              | 35         | 17.2             | 29                           |
| Mycogen                                                                      | 2Y744                      | 139.2       | 147.5          | —              | 25         | 16.7             | 26                           |
| Progeny Ag                                                                   | PGY EXP1615VT2P *          | 132.1       | —              | —              | 31         | 16.6             | 21                           |
| Mean                                                                         |                            | 179.2       |                |                |            |                  |                              |
| LSD                                                                          |                            | 12.3        |                |                |            |                  |                              |
| Error df                                                                     |                            | 228         |                |                |            |                  |                              |
| CV                                                                           |                            | 5.9         |                |                |            |                  |                              |
| R <sup>2</sup>                                                               |                            | 77          |                |                |            |                  |                              |
| <sup>1</sup> Hybrid followed by an asterisk indicates an experimental entry. |                            |             |                |                |            |                  |                              |

## Crop Summary

delayed nitrogen sidedress applications, resulting in all nitrogen being applied at once in early May. The remainder of the growing season was favorable, with frequent rainfall during late summer. Harvest was completed in a timely manner in late August.

A map of the Delta Branch area in Mississippi. The map shows the state's outline with county boundaries. A shaded region in the northwestern part of the state represents the Delta Branch. Within this shaded area, a black dot marks the location of Stoneville. The text "DELTA BRANCH" is written in bold, and "Stoneville" is written below it with a dot indicating its location.



## Rainfall Summary

|                    | Inches       |
|--------------------|--------------|
| March .....        | 0.00         |
| April .....        | 3.89         |
| May .....          | 3.26         |
| June .....         | 5.06         |
| July .....         | 5.96         |
| August .....       | 5.44         |
| <b>Total</b> ..... | <b>23.61</b> |

**Table 16. Results from 77 corn hybrids grown with furrow irrigation on a Bosket and Commerce very fine sandy loam soil at the MAFES Delta Branch, Stoneville, 2016.**

| Brand name       | Hybrid number <sup>1</sup> | 2016 yield  | 2-year average | 3-year average | Ear height | Stalk lodging | Moisture content | Harvested population (x1000) |
|------------------|----------------------------|-------------|----------------|----------------|------------|---------------|------------------|------------------------------|
|                  |                            | <i>bu/A</i> | <i>bu/A</i>    | <i>bu/A</i>    | <i>in</i>  | <i>%</i>      | <i>%</i>         |                              |
| DeKalb           | DKC70-27                   | 240.7       | —              | —              | 49         | 0             | 17.5             | 35                           |
| Augusta          | 8868                       | 236.0       | 249.2          | 257.5          | 44         | 0             | 16.3             | 34                           |
| DeKalb           | DKC66-59                   | 235.7       | 242.2          | —              | 41         | 0             | 16.5             | 35                           |
| Pioneer          | P1637YHR                   | 231.6       | —              | —              | 41         | 0             | 16.0             | 33                           |
| Mycogen          | X13813VH *                 | 230.1       | 235.9          | —              | 45         | 0             | 16.0             | 34                           |
| DeKalb           | DKC67-44                   | 229.8       | —              | —              | 38         | 0             | 16.7             | 34                           |
| DeKalb           | DKC66-75                   | 229.0       | —              | —              | 45         | 0             | 16.0             | 34                           |
| AgVenture        | RL8430YHB                  | 226.5       | 252.1          | —              | 45         | 6             | 15.6             | 31                           |
| DeKalb           | DKC64-35                   | 226.5       | —              | —              | 35         | 0             | 16.4             | 34                           |
| Terral Seed      | REV 28R10                  | 224.6       | —              | —              | 46         | 0             | 16.7             | 31                           |
| AgVenture        | RL9801YHB                  | 224.5       | 252.8          | —              | 44         | 5             | 17.5             | 34                           |
| Progeny Ag       | PGY5115VT2P                | 224.2       | 229.3          | 234.7          | 39         | 0             | 16.6             | 35                           |
| DeKalb           | DKC68-26                   | 224.2       | 235.1          | —              | 42         | 0             | 16.4             | 34                           |
| Progeny Ag       | PGY 6116VT2P               | 224.1       | 227.6          | —              | 48         | 0             | 16.2             | 29                           |
| AgVenture        | RL8714YHB                  | 223.7       | —              | —              | 49         | 0             | 15.6             | 33                           |
| B-H Genetics     | BH 8590VT2P                | 223.2       | —              | —              | 45         | 0             | 16.2             | 31                           |
| AgriGold Hybrids | A6572VT2PRO                | 223.1       | —              | —              | 40         | 0             | 16.3             | 33                           |
| DeKalb           | DKC62-08                   | 222.8       | 236.3          | 241.7          | 40         | 0             | 15.5             | 35                           |
| Croplan          | 5678VT2P                   | 222.1       | —              | —              | 40         | 2             | 16.1             | 29                           |
| Mycogen          | 2D848                      | 221.5       | 240.6          | —              | 38         | 0             | 17.9             | 34                           |
| Armor            | 1717PRO2                   | 220.8       | 243.5          | —              | 41         | 0             | 16.2             | 32                           |
| Great Heart Seed | HT-7493VT2P                | 220.6       | —              | —              | 43         | 0             | 16.2             | 31                           |
| Pioneer          | P1197YHR                   | 220.0       | —              | —              | 36         | 0             | 15.4             | 32                           |
| DeKalb           | DKC67-14                   | 219.8       | 240.7          | —              | 45         | 0             | 16.0             | 35                           |
| Terral Seed      | REV 23BHR55                | 219.8       | 246.2          | 253.2          | 50         | 0             | 15.6             | 28                           |
| Dyna-Gro         | D57VP75                    | 219.7       | 248.9          | 251.5          | 45         | 0             | 16.2             | 32                           |
| Armor            | 1414                       | 219.6       | 241.0          | 241.8          | 46         | 0             | 16.2             | 32                           |
| Pioneer          | P2089YHR~S                 | 219.3       | —              | —              | 37         | 14            | 16.8             | 30                           |
| Great Heart Seed | HX-8033-3110VIP            | 218.5       | —              | —              | 43         | 2             | 18.1             | 33                           |
| Mycogen          | X14730VH *                 | 217.8       | —              | —              | 40         | 0             | 17.0             | 34                           |
| AgriGold Hybrids | A6711VT2PRO                | 217.7       | 231.1          | —              | 36         | 0             | 16.0             | 35                           |
| AgVenture        | RL9583YHB                  | 217.3       | 240.9          | —              | 39         | 4             | 17.9             | 33                           |
| Terral Seed      | REV 28HR20                 | 216.2       | 242.8          | 257.2          | 46         | 0             | 16.8             | 29                           |
| AgriGold Hybrids | A6544VT2PRO                | 215.6       | —              | —              | 37         | 0             | 15.0             | 31                           |
| AgriGold Hybrids | A6719VT2PRO                | 215.1       | 232.5          | 236.0          | 33         | 0             | 16.0             | 30                           |
| Mycogen          | X13726VH *                 | 213.9       | 236.1          | —              | 44         | 0             | 16.8             | 34                           |
| Terral Seed      | REV 25BHR26                | 213.2       | 245.9          | —              | 51         | 0             | 15.9             | 27                           |
| Dyna-Gro         | D57VP51                    | 213.0       | 233.9          | 237.1          | 36         | 0             | 16.2             | 35                           |
| Terral Seed      | REV 26BHR50                | 212.9       | 241.4          | 250.5          | 48         | 0             | 17.6             | 32                           |
| B-H Genetics     | BH 9000VT2P                | 212.4       | —              | —              | 42         | 0             | 17.1             | 33                           |
| Croplan          | 5570VT2P                   | 211.9       | —              | —              | 41         | 0             | 15.9             | 33                           |
| Croplan          | 6640VT3                    | 210.4       | 232.6          | 245.6          | 34         | 0             | 16.7             | 31                           |
| Mycogen          | X13823S3 *                 | 209.4       | —              | —              | 31         | 0             | 16.1             | 34                           |
| Dyna-Gro         | D58VC37                    | 207.9       | 232.6          | —              | 39         | 0             | 16.0             | 27                           |
| AgriGold Hybrids | A6499VT2 RIB               | 207.1       | 227.4          | 229.6          | 34         | 0             | 16.2             | 34                           |
| Croplan          | 5290DG/VT2P                | 207.0       | —              | —              | 38         | 0             | 16.2             | 30                           |
| DeKalb           | DKC67-72                   | 206.5       | 221.3          | —              | 44         | 0             | 16.4             | 33                           |
| AgriGold Hybrids | A6687VT2PRO                | 206.4       | 234.8          | 239.0          | 32         | 0             | 15.9             | 28                           |
| Mycogen          | 2C797                      | 204.4       | 215.7          | 221.9          | 37         | 0             | 15.6             | 32                           |
| Progeny Ag       | PGY 6119VT2P               | 204.1       | —              | —              | 43         | 0             | 16.8             | 29                           |
| Delta Grow       | DG 3660                    | 204.0       | 221.4          | 235.7          | 35         | 0             | 17.2             | 28                           |
| Great Heart Seed | HT-7778 VT3PRIB            | 204.0       | 220.8          | 236.8          | 41         | 0             | 16.1             | 32                           |
| AgriGold Hybrids | A6659VT2 RIB               | 203.1       | 233.6          | 234.4          | 38         | 0             | 15.6             | 32                           |
| Armor            | AXC6116PRO2 *              | 202.8       | —              | —              | 42         | 0             | 15.4             | 29                           |
| Armor            | AXG6118 *                  | 200.1       | —              | —              | 36         | 0             | 17.5             | 28                           |
| Augusta          | 7766                       | 199.7       | —              | —              | 38         | 0             | 16.0             | 32                           |
| Augusta          | 5664                       | 199.7       | —              | —              | 36         | 0             | 17.3             | 30                           |
| Augusta          | 7767                       | 199.4       | 222.4          | 233.9          | 41         | 0             | 16.4             | 34                           |
| DeKalb           | DKC62-20RIB                | 199.1       | —              | —              | 42         | 0             | 15.5             | 33                           |

<sup>1</sup>Hybrid followed by an asterisk indicates an experimental entry.

**Table 16 (cont.). Results from 77 corn hybrids grown with furrow irrigation on a Bosket and Commerce very fine sandy loam soil at the MAFES Delta Branch, Stoneville, 2016.**

| <b>Brand name</b> | <b>Hybrid number<sup>1</sup></b> | <b>2016 yield</b> | <b>2-year average</b> | <b>3-year average</b> | <b>Ear height</b> | <b>Stalk lodging</b> | <b>Moisture content</b> | <b>Harvested population (x1000)</b> |
|-------------------|----------------------------------|-------------------|-----------------------|-----------------------|-------------------|----------------------|-------------------------|-------------------------------------|
|                   |                                  | <i>bu/A</i>       | <i>bu/A</i>           | <i>bu/A</i>           | <i>in</i>         | <i>%</i>             | <i>%</i>                |                                     |
| Terral Seed       | REV 24BHR93                      | 195.9             | 216.1                 | 229.2                 | 42                | 0                    | 16.2                    | 25                                  |
| Progeny Ag        | PGY 4117VT3P                     | 195.0             | 215.6                 | 226.3                 | 47                | 0                    | 16.0                    | 31                                  |
| AgriGold Hybrids  | A6652VT2PRO                      | 193.5             | —                     | —                     | 37                | 0                    | 15.5                    | 31                                  |
| Augusta           | 5566                             | 192.8             | —                     | —                     | 38                | 0                    | 16.9                    | 34                                  |
| Augusta           | 1565 *                           | 191.6             | —                     | —                     | 40                | 4                    | 15.9                    | 27                                  |
| Dyna-Gro          | D54VC52                          | 191.0             | —                     | —                     | 44                | 0                    | 16.1                    | 29                                  |
| Progeny Ag        | PGY EXP1615VT2P *                | 190.9             | —                     | —                     | 31                | 0                    | 16.3                    | 23                                  |
| Augusta           | 7768                             | 190.5             | 237.1                 | 248.9                 | 43                | 19                   | 17.7                    | 35                                  |
| Mycogen           | X14677S2 *                       | 189.9             | —                     | —                     | 43                | 0                    | 15.4                    | 32                                  |
| NK                | 68K                              | 189.0             | —                     | —                     | 48                | 0                    | 15.5                    | 30                                  |
| AgriGold Hybrids  | A6559VT2RIB                      | 180.4             | 212.3                 | —                     | 38                | 0                    | 15.9                    | 27                                  |
| Augusta           | 1564                             | 176.1             | —                     | —                     | 38                | 7                    | 15.9                    | 34                                  |
| Augusta           | 5062                             | 174.7             | —                     | —                     | 38                | 0                    | 16.4                    | 34                                  |
| Armor             | 1500PRO2                         | 174.1             | —                     | —                     | 50                | 0                    | 16.4                    | 25                                  |
| Mycogen           | 2Y744                            | 171.6             | 179.5                 | —                     | 31                | 0                    | 15.5                    | 34                                  |
| NK                | 69D                              | 170.5             | —                     | —                     | 39                | 5                    | 16.5                    | 26                                  |
| Delta Grow        | DG 2888                          | 162.9             | 194.5                 | 210.0                 | 46                | 0                    | 16.3                    | 24                                  |
| Delta Grow        | DG 2688                          | 148.3             | —                     | —                     | 43                | 0                    | 15.2                    | 27                                  |
| Mean              |                                  | 208.5             |                       |                       |                   |                      |                         |                                     |
| LSD               |                                  | 19.2              |                       |                       |                   |                      |                         |                                     |
| Error df          |                                  | 228               |                       |                       |                   |                      |                         |                                     |
| CV                |                                  | 7.9               |                       |                       |                   |                      |                         |                                     |
| R <sup>2</sup>    |                                  | 65.4              |                       |                       |                   |                      |                         |                                     |

<sup>1</sup>Hybrid followed by an asterisk indicates an experimental entry.

**Table 17. Characteristics provided by sponsoring companies  
for corn hybrids entered in the Mississippi Corn for Grain Hybrid Trials, 2016.**

| <b>Company</b>                                                                     | <b>Hybrid</b>   | <b>Trait</b> | <b>Planting rate<br/>(x1000)</b> | <b>Seed<br/>treatment</b>      | <b>Days to<br/>maturity</b> |
|------------------------------------------------------------------------------------|-----------------|--------------|----------------------------------|--------------------------------|-----------------------------|
| AgriGold Hybrids<br>5388 Akin Rd.<br>St. Francisville, IL 62460<br>618-292-5844    | A6499VT2RIB     | RR,VT2P      | 32                               | P500+Votivo                    | 112                         |
|                                                                                    | A6559VT2RIB     | RR,VT2P      | 32                               | P500+Votivo                    | 113                         |
|                                                                                    | A6687VT2PRO     | RR,VT2P      | 32                               | P500+Votivo                    | 117                         |
|                                                                                    | A6711VT2PRO     | RR,VT2P      | 32                               | P500+Votivo                    | 118                         |
|                                                                                    | A6659VT2RIB     | RR,VT2P      | 32                               | P500+Votivo                    | 116                         |
|                                                                                    | A6544VT2PRO     | RR,VT2P      | 32                               | P500+Votivo                    | 113                         |
|                                                                                    | A6572VT2PRO     | RR,VT2P      | 32                               | P500+Votivo                    | 114                         |
|                                                                                    | A6652VT2PRO     | RR,VT2P      | 32                               | P500+Votivo                    | 116                         |
|                                                                                    | A6719VT2PRO     | RR,VT2P      | 32                               | P500+Votivo                    | 118                         |
| Armor Seed<br>183 Pennsylvania Ave.<br>Waldenburg, AR 72475<br>662-719-3157        | 1500PRO2        | RR,VT2P      | 34                               | A500                           | 115                         |
|                                                                                    | AXC6116         | RR,VT2P      | 34                               | A500                           | 116                         |
|                                                                                    | 1717            | RR,VT2P      | 34                               | A500                           | 117                         |
|                                                                                    | A1414           | RR,VT2P      | 34                               | A500                           | 114                         |
|                                                                                    | AXG6118         | RR,LL,VIP    | 34                               | A500                           | 118                         |
| Augusta Seed<br>P.O. Box 899<br>Verona, VA 24482<br>540-255-5901                   | 7768            | VIP          | 36                               | C1250                          | 118                         |
|                                                                                    | 7766            | RR,VT2P      | 36                               | C250                           | 116                         |
|                                                                                    | 1564            | RR,LL        | 36                               | A500                           | 114                         |
|                                                                                    | 5566            | RR,LL        | 36                               | C1250                          | 116                         |
|                                                                                    | 7767            | RR,VT2P      | 36                               | C1250                          | 117                         |
|                                                                                    | 8868            | RR,VT3P      | 36                               | P250                           | 118                         |
|                                                                                    | 5664            | RR,LL        | 36                               | C1250                          | 114                         |
|                                                                                    | 1565            | RR,LL        | 36                               | C500                           | 115                         |
|                                                                                    | 5062            | RR,LL        | 36                               | A500                           | 112                         |
| B-H Genetics<br>5933 FM 1157<br>Ganado, TX 77962<br>361-771-8722                   | BH 8590VT2P     | VT2P         | 34                               | P/V 500                        | 115                         |
|                                                                                    | BH 9000VT2P     | VT2P         | 34                               | P/V 500                        | 118                         |
| Delta Grow Seed<br>220 NW 2nd<br>England, AR 72046<br>501-842-2572                 | 2888            | RR,LL,VIP    | 36                               | Poncho 250                     | 117                         |
|                                                                                    | 2688            | RR,LL        | 36                               | Poncho 250                     | 116                         |
|                                                                                    | 3660            | RR,LL,VIP    | 36                               | Poncho 250                     | 118                         |
| Croplan by Winfield<br>P.O. Box 64131<br>St. Paul, MN 55164-0131<br>662-617-5124   | 5290DG/VT2P     | RR,VT2P      | 32                               | Acceleron                      | 112                         |
|                                                                                    | 5570VT2P        | RR,VT2P      | 33                               | Acceleron                      | 115                         |
|                                                                                    | 5678VT2P        | RR,VT2P      | 33                               | Acceleron                      | 116                         |
|                                                                                    | 6640VT3P        | RR,VT3P      | 34                               | Acceleron                      | 113                         |
| Great Heart Seed<br>220 West Washington St.<br>St. Paris, IL 61944<br>217-465-4132 | HT 7778VT3PRIB  | VT3P         | 34                               | P500+Votivo                    | 117                         |
|                                                                                    | HT 7493VT2P     | SS           | 34                               | P500+Votivo                    | 115                         |
|                                                                                    | HX 8033 3110VIP | VIP          | 34                               | P500+Votivo                    | 118                         |
|                                                                                    | HT 7261VT2PRIB  | VT3P         | 34                               | P500+Votivo                    | 115                         |
| Syngenta Seeds<br>3760 Business Dr.<br>Memphis, TN 38125<br>662-822-7250           | 68K             | RR,LL,VIP    | 32                               | Avicta Complete 500 + Vibrance | 111                         |
|                                                                                    | 69D             | RR,LL,HX     | 32                               | Avicta Complete 500 + Vibrance | 112                         |
| Terral Seed Inc.<br>111 Ellington Dr.<br>Rayville, LA 71269<br>318-341-8814        | REV 22BHR43     | RR,LL        | 32/28                            | MQ+P1250+V                     | 112                         |
|                                                                                    | REV 23BHR55     | RR,LL        | 32/28                            | MQ+P1250+V                     | 113                         |
|                                                                                    | REV 24BHR93     | RR,LL        | 32/28                            | MQ+P1250+V                     | 114                         |
|                                                                                    | REV 25BHR26     | RR,LL        | 32/28                            | MQ+P1250+V                     | 115                         |
|                                                                                    | REV 26BHR50     | RR,LL        | 32/28                            | MQ+P1250+V                     | 116                         |
|                                                                                    | REV 28HR20      | RR,LL,HX     | 32/28                            | MQ+P1250+V                     | 118                         |
|                                                                                    | REV 28R10       | RR,LL        | 32/28                            | MQ+P1250+V                     | 118                         |

**Table 17 (cont.). Characteristics provided by sponsoring companies  
for corn hybrids entered in the Mississippi Corn for Grain Hybrid Trials, 2016.**

| <b>Company</b>                                                                         | <b>Hybrid</b> | <b>Trait</b> | <b>Planting rate<br/>(x1000)</b> | <b>Seed<br/>treatment</b> | <b>Days to<br/>maturity</b> |
|----------------------------------------------------------------------------------------|---------------|--------------|----------------------------------|---------------------------|-----------------------------|
| Mycogen<br>253 Avondale Rd.<br>Greenville, MS 38703<br>662-822-1964                    | 2Y744         | RR           | 34                               | CruiserMaxx 1250          | 113                         |
|                                                                                        | 2C797         | RR,LL,SS     | 36                               | CruiserMaxx 1250          | 113                         |
|                                                                                        | 2D848         | RR,LL,SS     | 36                               | CruiserMaxx 1250          | 118                         |
|                                                                                        | X14677S2      | RR,SS        | 36                               | CruiserMaxx 1250          | 110                         |
|                                                                                        | X14730VH      | RR,SS        | 36                               | CruiserMaxx 1250          | 112                         |
|                                                                                        | X13823S3      | RR,SS        | 36                               | CruiserMaxx 1250          | 113                         |
|                                                                                        | X13813VH      | RR,SS        | 36                               | CruiserMaxx 1250          | 114                         |
|                                                                                        | X13726VH      | RR,SS        | 36                               | CruiserMaxx 1250          | 115                         |
| DuPont Pioneer<br>59 Greif Parkway, Suite 200<br>Delaware, OH 43015<br>803-308-1003    | P1197HR       | RR,LL,HX     | 36                               | P1250 + Votivo            | 111                         |
|                                                                                        | P1637HR       | RR,LL,HX     | 36                               | P1250 + Votivo            | 116                         |
|                                                                                        | P2089HR       | RR,LL,HX     | 36                               | P1250 + Votivo            | 120                         |
| Progeny AG Products<br>1529 Hwy. 193<br>Wynne, AR 72396<br>979-587-9968                | 5115VT2P      | RR,VT2P      | 34                               | A500 + Votivo             | 115                         |
|                                                                                        | 6116VT2P      | RR,VT2P      | 34                               | A500 + Votivo             | 116                         |
|                                                                                        | 4117VT3P      | RR,VT3P      | 32                               | A500 + Votivo             | 117                         |
|                                                                                        | 6119VT2P      | RR,VT2P      | 34                               | A500 + Votivo             | 119                         |
|                                                                                        | EXP1615VT2P   | RR,VT2P      | 34                               | A500 + Votivo             | 115                         |
| Monsanto<br>108 Bayberry Lane<br>Madison, MS 39110<br>601-317-2661                     | DKC70-27      | VT2P         | 34                               | Poncho 1250/Votivo        | 120                         |
|                                                                                        | DKC68-26      | VT2P         | 34                               | Poncho 1250/Votivo        | 118                         |
|                                                                                        | DKC67-72      | VT2P         | 34                               | Poncho 1250/Votivo        | 117                         |
|                                                                                        | DKC67-14      | VT2P         | 32                               | Poncho 1250/Votivo        | 117                         |
|                                                                                        | DKC66-75      | VT2P         | 34                               | Poncho 1250/Votivo        | 116                         |
|                                                                                        | DKC66-59      | VT2P         | 34                               | Poncho 1250/Votivo        | 116                         |
|                                                                                        | DKC67-44      | VT2P         | 34                               | Poncho 1250/Votivo        | 117                         |
|                                                                                        | DKC64-35      | VT2P         | 34                               | Poncho 1250/Votivo        | 114                         |
|                                                                                        | DKC62-08      | SS           | 34                               | Poncho 1250/Votivo        | 112                         |
|                                                                                        | DKC62-20RIB   | VT2P         | 34                               | Acceleron 500             | 112                         |
| Dyna-Gro Seed<br>254 U.S. Hwy. 72<br>Collierville, TN 38017<br>662-401-6311            | D54VC52       | VT2P         | 28                               | P500                      | 114                         |
|                                                                                        | D57VP75       | VT3P         | 30                               | P500                      | 117                         |
|                                                                                        | D57VP51       | VT3P         | 30                               | P500                      | 117                         |
|                                                                                        | D58VC37       | VT2P         | 28                               | P500                      | 118                         |
| Dulaney Seed Inc.<br>6933 Sunflower School Rd.<br>Clarksdale, MS 38614<br>662-627-7060 | RL8714YHB     | RR,LL,HX     | 34                               | Poncho 500 V              | 114                         |
|                                                                                        | RL9583YHB     | RR,LL,HX     | 34                               | Poncho 500 V              | 118                         |
|                                                                                        | RL9801YHB     | RR,LL,HX     | 36                               | Poncho 500 V              | 120                         |
|                                                                                        | RL8430YHB     | RR,LL,HX     | 34                               | Poncho 500 V              | 113                         |



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George M. Hopper, Director

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