

# SORGHUM GRAIN

## Statewide Summary: Sorghum Grain Performance, Georgia, 2020

| Company or<br>Brand Name | Hybrid     | Early Plantings |             |             |              | Early       | Late Plantings |             | Late        | All         |
|--------------------------|------------|-----------------|-------------|-------------|--------------|-------------|----------------|-------------|-------------|-------------|
|                          |            | Tifton          | Plains      | Athens      | Rome         | Average     | Tifton         | Plains      | Average     | Plantings   |
| -----bu/acre-----        |            |                 |             |             |              |             |                |             |             |             |
| Alta Seeds               | ADV XG256  | 47.8            | 51.3        | 56.5        | 61.0         | 54.1        | .              | .           | .           | .           |
| Alta Seeds               | ADV XG267  | 27.3            | 34.3        | 45.3        | 35.5         | 35.6        | .              | .           | .           | .           |
| Alta Seeds               | ADV XG397  | 59.8            | 48.0        | 57.0        | 64.7         | <b>57.4</b> | .              | .           | .           | .           |
| Alta Seeds               | AG1203     | 54.3            | 44.8        | 62.8        | 72.3         | <b>58.5</b> | .              | .           | .           | .           |
| DEKALB                   | DKS36-07   | 57.5            | 34.5        | 62.3        | 72.0         | 56.6        | 17.0           | 19.0        | 18.0        | 41.1        |
| DEKALB                   | DKS44-07   | 42.3            | 43.0        | 54.8        | <b>87.0</b>  | 56.8        | .              | .           | .           | .           |
| DEKALB                   | DKS54-07   | 60.3            | 39.8        | <b>75.8</b> | 66.5         | <b>60.6</b> | .              | .           | .           | .           |
| Desert Sun               | DSM 40-920 | .               | .           | .           | .            | .           | <b>59.8</b>    | <b>35.5</b> | <b>47.6</b> | .           |
| Dyna-Gro                 | GX19981    | <b>80.5</b>     | 37.0        | 60.0        | <b>102.3</b> | <b>70.0</b> | 23.0           | <b>37.3</b> | 30.1        | <b>54.7</b> |
| Dyna-Gro                 | M60GB31    | 58.5            | 42.8        | 60.0        | 75.3         | <b>59.1</b> | 27.3           | 27.0        | 27.1        | 47.3        |
| Dyna-Gro                 | M62GB77    | 52.0            | 28.5        | <b>64.5</b> | <b>83.3</b>  | 57.1        | <b>61.5</b>    | <b>44.8</b> | <b>53.1</b> | <b>54.6</b> |
| Dyna-Gro                 | M69GB38    | 48.8            | 36.8        | 53.3        | 80.3         | 54.8        | 14.5           | 24.8        | 19.6        | 41.4        |
| Dyna-Gro                 | M69GR88    | 56.3            | <b>56.3</b> | <b>66.8</b> | 71.0         | <b>62.6</b> | 18.5           | 31.8        | 25.1        | 48.2        |
| Dyna-Gro                 | M71GR91    | 60.0            | 40.0        | <b>68.3</b> | 59.7         | 57.0        | 18.5           | <b>36.5</b> | 27.5        | 46.6        |
| Dyna-Gro                 | M72GB71    | <b>77.5</b>     | 48.0        | <b>76.5</b> | 74.8         | <b>69.2</b> | 33.8           | 29.5        | 31.6        | <b>56.7</b> |
| Dyna-Gro                 | M74GB17    | 45.5            | <b>54.5</b> | 52.8        | 45.5         | 49.6        | 36.3           | 31.8        | 34.0        | 44.3        |
| Pioneer                  | 83P17      | <b>68.3</b>     | 53.3        | <b>70.5</b> | 59.7         | <b>62.9</b> | <b>66.0</b>    | <b>44.5</b> | <b>55.3</b> | <b>60.4</b> |
| Pioneer                  | 83P27      | 50.8            | 25.0        | <b>64.5</b> | 82.0         | 55.6        | <b>64.8</b>    | <b>45.3</b> | <b>55.0</b> | <b>54.2</b> |
| Sorghum Partners         | SP 43M80   | .               | .           | .           | .            | .           | 53.5           | <b>34.3</b> | 43.9        | .           |
| Sorghum Partners         | SP 74C40   | <b>66.8</b>     | <b>62.8</b> | 54.5        | 54.0         | <b>59.5</b> | .              | .           | .           | .           |
| Sorghum Partners         | SP 74M21   | 59.0            | <b>58.5</b> | 62.0        | 50.3         | <b>57.5</b> | .              | .           | .           | .           |
| Sorghum Partners         | SP7715     | <b>60.8</b>     | <b>59.0</b> | 57.5        | 80.7         | <b>64.5</b> | .              | .           | .           | .           |
| Southern Harvest         | SH65G6     | .               | .           | .           | .            | .           | <b>63.5</b>    | 31.5        | <b>47.5</b> | .           |
| Southern Harvest         | SH80G4     | .               | .           | .           | .            | .           | <b>65.0</b>    | 28.5        | <b>46.8</b> | .           |
| Southern Harvest         | SH90G6     | <b>62.5</b>     | 40.0        | 61.3        | 68.7         | 58.1        | .              | .           | .           | .           |
| Average                  |            | 57.0            | 44.7        | 61.3        | 70.1         | 58.2        | 41.5           | 33.5        | 37.5        | 50.0        |
| LSD at 10% Level         |            | 20.2            | 8.8         | 12.4        | 19.0         | 11.8        | 8.0            | 13.4        | 10.6        | 9.0         |
| Model R-squared          |            | 0.76            | 0.73        | 0.45        | 0.74         | 0.26        | 0.93           | 0.37        | 0.54        | 0.44        |

**Bolded** yields are statistically non-significant (p = 0.10 level) from the highest yielding test entry.  
Yields calculated as 56 pounds per bushel at 14% moisture.

## Tifton, Georgia: Early-Planted Sorghum Grain Performance, 2020, Dryland

| Company or<br>Brand Name | Hybrid    | Yield                    |                   | Test<br>Weight<br>lb/bu | 50%<br>Bloom <sup>1</sup><br>days | Plant<br>Height<br>in | Head<br>Height<br>in | Lodging<br>% | Bird<br>Damage <sup>2</sup><br>% |
|--------------------------|-----------|--------------------------|-------------------|-------------------------|-----------------------------------|-----------------------|----------------------|--------------|----------------------------------|
|                          |           | 2020<br>-----<br>bu/acre | 2-Yr Avg<br>----- |                         |                                   |                       |                      |              |                                  |
| Dyna-Gro                 | GX19981   | <b>80.5</b>              | 101.3             | 49.7                    | 62                                | 50                    | 7.7                  | 0            | 21                               |
| Dyna-Gro                 | M72GB71   | <b>77.5</b>              | .                 | 50.6                    | 63                                | 55                    | 8.7                  | 0            | 12                               |
| Pioneer                  | 83P17     | <b>68.3</b>              | 82.1              | 49.7                    | 66                                | 53                    | 9.7                  | 0            | 13                               |
| Sorghum Partners         | SP 74C40  | <b>66.8</b>              | 77.9              | 50.5                    | 67                                | 52                    | 9.7                  | 1            | 8                                |
| Southern Harvest         | SH90G6    | <b>62.5</b>              | 59.9              | 52.4                    | 61                                | 52                    | 9.0                  | 0            | 17                               |
| Sorghum Partners         | SP7715    | <b>60.8</b>              | .                 | 56.6                    | 64                                | 52                    | 8.3                  | 0            | 18                               |
| DEKALB                   | DKS54-07  | 60.3                     | 86.4              | 48.4                    | 62                                | 55                    | 8.0                  | 0            | 19                               |
| Dyna-Gro                 | M71GR91   | 60.0                     | .                 | 50.5                    | 63                                | 52                    | 8.0                  | 0            | 16                               |
| Alta Seeds               | ADV XG397 | 59.8                     | 72.4              | 51.4                    | 64                                | 49                    | 7.7                  | 0            | 10                               |
| Sorghum Partners         | SP 74M21  | 59.0                     | 71.3              | 51.3                    | 64                                | 53                    | 10.0                 | 0            | 8                                |
| Dyna-Gro                 | M60GB31   | 58.5                     | 88.5              | 48.8                    | 60                                | 48                    | 8.7                  | 0            | 14                               |
| DEKALB                   | DKS36-07  | 57.5                     | .                 | 46.3                    | 55                                | 51                    | 8.0                  | 0            | 19                               |
| Dyna-Gro                 | M69GR88   | 56.3                     | 64.6              | 46.0                    | 64                                | 49                    | 7.3                  | 0            | 14                               |
| Alta Seeds               | AG1203    | 54.3                     | 80.0              | 46.1                    | 61                                | 47                    | 9.3                  | 0            | 16                               |
| Dyna-Gro                 | M62GB77   | 52.0                     | 75.9              | 50.4                    | 60                                | 53                    | 7.7                  | 0            | 30                               |
| Pioneer                  | 83P27     | 50.8                     | 60.9              | 45.5                    | 54                                | 52                    | 9.3                  | 1            | 14                               |
| Dyna-Gro                 | M69GB38   | 48.8                     | 66.3              | 46.1                    | 61                                | 49                    | 7.7                  | 0            | 17                               |
| Alta Seeds               | ADV XG256 | 47.8                     | .                 | 45.0                    | 63                                | 51                    | 9.0                  | 1            | 19                               |
| Dyna-Gro                 | M74GB17   | 45.5                     | 73.6              | 51.2                    | 64                                | 50                    | 9.7                  | 0            | 8                                |
| DEKALB                   | DKS44-07  | 42.3                     | .                 | 51.4                    | 60                                | 46                    | 8.0                  | 0            | 19                               |
| Alta Seeds               | ADV XG267 | 27.3                     | .                 | 51.0                    | 61                                | 46                    | 8.7                  | 0            | 23                               |
| Average                  |           | 57.0                     | 76.5              | 49.4                    | 62                                | 51                    | 8.6                  | 0            | 16                               |
| LSD at 10% Level         |           | 20.2                     | NS                | 4.5                     | -                                 | 4                     | 0.7                  | -            | 8                                |
| Model R-squared          |           | 0.76                     | 0.42              | 0.56                    | -                                 | 0.75                  | 0.79                 | 0.29         | 0.75                             |

1. Days from planting to 50% bloom.

2. Percent of grain head damaged.

**Bolded** yields are statistically non-significant (p = 0.10 level) from the highest yielding test entry.

Planted: May 5, 2020.

Harvested: August 17, 2020.

Seeding Rate: 80,000 seeds per acre in 36-inch rows.

Soil Type: Tifton loamy sand.

Soil Test: P = Medium, K = Medium, and pH = 6.8.

Fertilization: Preplant: 40 lb N, 40 lb P<sub>2</sub>O<sub>5</sub>, and 90 lb K<sub>2</sub>O/acre. Sidedress: 100 lb N/acre.

Previous Crop: Peanuts.

Management: Conventional tillage. Dual Magnum and Atrazine used for weed control. Sivanto used for insect control.

Test conducted by R. Brooke, K. Cawley, M. Cofield, and D. Dunn.

## Plains, Georgia: Early-Planted Sorghum Grain Performance, 2020, Dryland

| Company or<br>Brand Name | Hybrid    | Yield                    |                              | Test<br>Weight<br>lb/bu | 50%<br>Bloom <sup>1</sup><br>days | Plant<br>Height<br>in | Head<br>Exertion<br>in | Head<br>Height<br>in | Lodging<br>% | Bird<br>Damage <sup>2</sup><br>% |
|--------------------------|-----------|--------------------------|------------------------------|-------------------------|-----------------------------------|-----------------------|------------------------|----------------------|--------------|----------------------------------|
|                          |           | 2020<br>-----<br>bu/acre | 2-Yr Avg<br>-----<br>bu/acre |                         |                                   |                       |                        |                      |              |                                  |
| Sorghum Partners         | SP 74C40  | <b>62.8</b>              | <b>52.1</b>                  | 54.1                    | .                                 | 50                    | .                      | 10.0                 | 0            | 18                               |
| Sorghum Partners         | SP7715    | <b>59.0</b>              | <b>52.4</b>                  | 61.7                    | .                                 | 43                    | .                      | 8.5                  | 0            | 21                               |
| Sorghum Partners         | SP 74M21  | <b>58.5</b>              | 42.3                         | 50.8                    | .                                 | 47                    | .                      | 9.0                  | 0            | 28                               |
| Dyna-Gro                 | M69GR88   | <b>56.3</b>              | <b>46.1</b>                  | 54.6                    | .                                 | 42                    | .                      | 7.0                  | 0            | 29                               |
| Dyna-Gro                 | M74GB17   | <b>54.5</b>              | <b>50.4</b>                  | 53.1                    | .                                 | 53                    | .                      | 8.8                  | 0            | 28                               |
| Pioneer                  | 83P17     | 53.3                     | <b>52.8</b>                  | 53.9                    | .                                 | 50                    | .                      | 8.5                  | 0            | 32                               |
| Alta Seeds               | ADV XG256 | 51.3                     | .                            | 51.5                    | .                                 | 44                    | .                      | 8.8                  | 0            | 28                               |
| Alta Seeds               | ADV XG397 | 48.0                     | <b>45.4</b>                  | 52.1                    | .                                 | 52                    | .                      | 9.0                  | 0            | 39                               |
| Dyna-Gro                 | M72GB71   | 48.0                     | .                            | 54.7                    | .                                 | 51                    | .                      | 8.8                  | 0            | 40                               |
| Alta Seeds               | AG1203    | 44.8                     | 40.9                         | 50.7                    | .                                 | 48                    | .                      | 9.0                  | 0            | 28                               |
| DEKALB                   | DKS44-07  | 43.0                     | .                            | 62.5                    | .                                 | 50                    | .                      | 8.5                  | 0            | 42                               |
| Dyna-Gro                 | M60GB31   | 42.8                     | 42.3                         | 54.2                    | .                                 | 47                    | .                      | 8.0                  | 0            | 41                               |
| Dyna-Gro                 | M71GR91   | 40.0                     | .                            | 59.0                    | .                                 | 56                    | .                      | 8.0                  | 0            | 47                               |
| Southern Harvest         | SH90G6    | 40.0                     | 35.5                         | 63.7                    | .                                 | 48                    | .                      | 8.0                  | 0            | 35                               |
| DEKALB                   | DKS54-07  | 39.8                     | 43.9                         | 62.7                    | .                                 | 55                    | .                      | 8.0                  | 0            | 41                               |
| Dyna-Gro                 | GX19981   | 37.0                     | 40.6                         | 58.9                    | .                                 | 55                    | .                      | 8.0                  | 0            | 41                               |
| Dyna-Gro                 | M69GB38   | 36.8                     | 35.9                         | 56.8                    | .                                 | 41                    | .                      | 7.0                  | 0            | 43                               |
| DEKALB                   | DKS36-07  | 34.5                     | .                            | 72.2                    | .                                 | 52                    | .                      | 8.0                  | 0            | 50                               |
| Alta Seeds               | ADV XG267 | 34.3                     | .                            | 53.8                    | .                                 | 41                    | .                      | 9.5                  | 0            | 24                               |
| Dyna-Gro                 | M62GB77   | 28.5                     | 36.4                         | 62.0                    | .                                 | 56                    | .                      | 9.0                  | 0            | 56                               |
| Pioneer                  | 83P27     | 25.0                     | 30.3                         | 67.7                    | .                                 | 49                    | .                      | 8.0                  | 0            | 63                               |
| Average                  |           | 44.7                     | 43.2                         | 57.0                    | -                                 | 49                    | -                      | 8.4                  | 0            | 37                               |
| LSD at 10% Level         |           | 8.8                      | 8.5                          | 7.4                     | -                                 | 3                     | -                      | 0.4                  | -            | 10                               |
| Model R-squared          |           | 0.73                     | 0.37                         | 0.63                    | -                                 | 0.85                  | -                      | 0.88                 | -            | 0.71                             |

1. Days from planting to 50% bloom.

2. Percent of grain head damaged.

**Bolded** yields are statistically non-significant ( $p = 0.10$  level) from the highest yielding test entry.

Planted: May 7, 2020.

Harvested: August 19, 2020.

Seeding Rate: 80,000 seeds per acre in 36-inch rows.

Soil Type: Greenville sandy loam.

Soil Test: P = Medium, K = Medium, and pH = 6.2.

Fertilization: Preplant: 6 lb N, 35 lb P<sub>2</sub>O<sub>5</sub>, and 70 lb K<sub>2</sub>O/acre. Sidedress: 50 lb N/acre.

Previous Crop: Cotton.

Management: Conventional tillage. Dual Magnum and Atrazine used for weed control. Sivanto used for insect control.

Test conducted by R. Brooke, K. Cawley, M. Cofield, D. Dunn, W. Jones, and D. Pearce.

## Athens, Georgia: Early-Planted Sorghum Grain Performance, 2020, Dryland

| Company or<br>Brand Name | Hybrid    | Yield                    |                              | Test<br>Weight<br>lb/bu | 50%<br>Bloom <sup>1</sup><br>days | Plant<br>Height<br>in | Head<br>Exertion<br>in | Bird<br>Damage <sup>2</sup><br>% |
|--------------------------|-----------|--------------------------|------------------------------|-------------------------|-----------------------------------|-----------------------|------------------------|----------------------------------|
|                          |           | 2020<br>-----<br>bu/acre | 2-Yr Avg<br>-----<br>bu/acre |                         |                                   |                       |                        |                                  |
| Dyna-Gro                 | M72GB71   | <b>76.5</b>              | .                            | .                       | .                                 | 55                    | 5.3                    | .                                |
| DEKALB                   | DKS54-07  | <b>75.8</b>              | <b>92.1</b>                  | .                       | .                                 | 57                    | 5.0                    | .                                |
| Pioneer                  | 83P17     | <b>70.5</b>              | 77.0                         | .                       | .                                 | 55                    | 5.3                    | .                                |
| Dyna-Gro                 | M71GR91   | <b>68.3</b>              | .                            | .                       | .                                 | 55                    | 5.5                    | .                                |
| Dyna-Gro                 | M69GR88   | <b>66.8</b>              | .                            | .                       | .                                 | 48                    | 6.3                    | .                                |
| Pioneer                  | 83P27     | <b>64.5</b>              | 76.1                         | .                       | .                                 | 55                    | 6.0                    | .                                |
| Dyna-Gro                 | M62GB77   | <b>64.5</b>              | .                            | .                       | .                                 | 50                    | 7.5                    | .                                |
| Alta Seeds               | AG1203    | 62.8                     | 71.8                         | .                       | .                                 | 45                    | 3.8                    | .                                |
| DEKALB                   | DKS36-07  | 62.3                     | .                            | .                       | .                                 | 50                    | 6.5                    | .                                |
| Sorghum Partners         | SP 74M21  | 62.0                     | 71.3                         | .                       | .                                 | 48                    | 7.0                    | .                                |
| Southern Harvest         | SH90G6    | 61.3                     | 73.0                         | .                       | .                                 | 56                    | 5.5                    | .                                |
| Dyna-Gro                 | GX19981   | 60.0                     | .                            | .                       | .                                 | 51                    | 5.3                    | .                                |
| Dyna-Gro                 | M60GB31   | 60.0                     | .                            | .                       | .                                 | 45                    | 3.5                    | .                                |
| Sorghum Partners         | SP7715    | 57.5                     | 71.9                         | .                       | .                                 | 49                    | 5.3                    | .                                |
| Alta Seeds               | ADV XG397 | 57.0                     | 66.3                         | .                       | .                                 | 55                    | 6.3                    | .                                |
| Alta Seeds               | ADV XG256 | 56.5                     | .                            | .                       | .                                 | 48                    | 4.0                    | .                                |
| DEKALB                   | DKS44-07  | 54.8                     | .                            | .                       | .                                 | 49                    | 4.8                    | .                                |
| Sorghum Partners         | SP 74C40  | 54.5                     | 67.0                         | .                       | .                                 | 53                    | 4.3                    | .                                |
| Dyna-Gro                 | M69GB38   | 53.3                     | .                            | .                       | .                                 | 48                    | 4.8                    | .                                |
| Dyna-Gro                 | M74GB17   | 52.8                     | .                            | .                       | .                                 | 53                    | 6.0                    | .                                |
| Alta Seeds               | ADV XG267 | 45.3                     | .                            | .                       | .                                 | 51                    | 5.5                    | .                                |
| Average                  |           | 61.3                     | 74.0                         | -                       | -                                 | 51                    | 5.4                    | -                                |
| LSD at 10% Level         |           | 12.4                     | 7.3                          | -                       | -                                 | 2                     | 1.7                    | -                                |
| Model R-squared          |           | 0.45                     | 0.73                         | -                       | -                                 | 0.87                  | 0.44                   | -                                |

1. Days from planting to 50% bloom.

2. Percent of grain head damaged.

**Bolded** yields are statistically non-significant (p = 0.10 level) from the highest yielding test entry.

"NS" indicates differences are statistically non-significant (p = 0.10 probability level).

Planted: May 15, 2020.

Harvested: September 1, 2020.

Seeding Rate: 80,000 seeds per acre in 7-inch rows.

Soil Type: Wickham sandy loam.

Previous Crop: Soybeans.

Soil Test: P = Low, K = Low, and pH = 6.2.

Fertilization: Preplant: 60 lb N, 310 lb P<sub>2</sub>O<sub>5</sub>, and 360 lb K<sub>2</sub>O/acre. Sidedress: 100 lb N/acre.

Management: Conventional tillage. Dual Magnum and Atrazine used for weed control.

Test conducted by G. Ware, B. Weldy, C. Fox, J. Griffin, and K. Roach.

**Rome, Georgia:**  
**Early-Planted Sorghum Grain Performance, 2020, Dryland**

| Company or<br>Brand Name | Hybrid           | Yield               |          | Test<br>Weight | 50%<br>Bloom <sup>1</sup> | Plant<br>Height | Head<br>Exertion |
|--------------------------|------------------|---------------------|----------|----------------|---------------------------|-----------------|------------------|
|                          |                  | 2020                | 2-Yr Avg |                |                           |                 |                  |
|                          |                  | ----- bu/acre ----- |          | lb/bu          | days                      | in              | in               |
| GX19981                  | Dyna-Gro         | <b>102.3</b>        | .        | 51.9           | 81                        | 39              | .                |
| DKS44-07                 | DEKALB           | <b>87.0</b>         | .        | 52.9           | 77                        | 39              | .                |
| M62GB77                  | Dyna-Gro         | <b>83.3</b>         | .        | 49.0           | 71                        | 40              | .                |
| 83P27                    | Pioneer          | 82.0                | .        | 48.8           | 81                        | 41              | .                |
| SP7715                   | Sorghum Partners | 80.7                | .        | 52.5           | 79                        | 37              | .                |
| M69GB38                  | Dyna-Gro         | 80.3                | .        | 48.2           | 85                        | 41              | .                |
| M60GB31                  | Dyna-Gro         | 75.3                | .        | 48.4           | 78                        | 39              | .                |
| M72GB71                  | Dyna-Gro         | 74.8                | .        | 49.1           | 85                        | 43              | .                |
| AG1203                   | Alta Seeds       | 72.3                | .        | 46.3           | 82                        | 40              | .                |
| DKS36-07                 | DEKALB           | 72.0                | .        | 41.6           | 76                        | 37              | .                |
| M69GR88                  | Dyna-Gro         | 71.0                | .        | 46.5           | 80                        | 37              | .                |
| SH90G6                   | Southern Harvest | 68.7                | .        | 49.0           | 84                        | 47              | .                |
| DKS54-07                 | DEKALB           | 66.5                | .        | 49.9           | 86                        | 40              | .                |
| ADV XG397                | Alta Seeds       | 64.7                | .        | 48.7           | 79                        | 42              | .                |
| ADV XG256                | Alta Seeds       | 61.0                | .        | 47.3           | 81                        | 43              | .                |
| 83P17                    | Pioneer          | 59.7                | .        | 49.0           | 77                        | 44              | .                |
| M71GR91                  | Dyna-Gro         | 59.7                | .        | 46.5           | 80                        | 40              | .                |
| SP 74C40                 | Sorghum Partners | 54.0                | .        | 48.5           | 85                        | 44              | .                |
| SP 74M21                 | Sorghum Partners | 50.3                | .        | 44.7           | 80                        | 42              | .                |
| M74GB17                  | Dyna-Gro         | 45.5                | .        | 46.6           | 78                        | 40              | .                |
| ADV XG267                | Alta Seeds       | 35.5                | .        | 44.5           | 82                        | 40              | .                |
| Average                  |                  | 70.1                | -        | 48.3           | 80                        | 41              | -                |
| LSD at 10% Level         |                  | 19.0                | -        | 3.0            | NS                        | 3               | -                |
| Model R-squared          |                  | 0.74                | -        | 0.75           | 0.40                      | 0.53            | -                |

**Bolded** yields are statistically non-significant (p = 0.10 level) from the highest yielding test entry.

1. Days from planting to 50% bloom.

Planted: June 1, 2020.

Harvested: November 19, 2020.

Seeding Rate: 80,000 seeds per acre in 7-inch rows.

Soil Type: Etowah loam.

Previous Crop: Soybeans.

Soil Test: P = High, K = High, and pH = 6.3.

Fertilization: Preplant: 124 lb N, 120 lb P<sub>2</sub>O<sub>5</sub>, and 180 lb K<sub>2</sub>O/acre. Sidedress: 155 lb N/acre.

Management: Conventional tillage. Dual Magnum and Basagran used for weed control.

Test conducted by G. Ware, B. Weldy, M. Tucker, and T. Turnquist.

**Tifton, Georgia:**  
**Late-Planted Sorghum Grain Performance, 2020, Dryland**

| Company or<br>Brand Name | Hybrid     | Yield                    |                         | Test<br>Weight<br>lb/bu | 50%<br>Bloom <sup>1</sup><br>days | Plant<br>Height<br>in | Head<br>Height<br>in | Lodging<br>% | Bird<br>Damage <sup>2</sup><br>% |
|--------------------------|------------|--------------------------|-------------------------|-------------------------|-----------------------------------|-----------------------|----------------------|--------------|----------------------------------|
|                          |            | 2020<br>-----<br>bu/acre | Avg<br>-----<br>bu/acre |                         |                                   |                       |                      |              |                                  |
| Pioneer                  | 83P17      | <b>66.0</b>              | <b>74.6</b>             | 47.7                    | 58                                | 62                    | 12.0                 | 3            | 0                                |
| Southern Harvest         | SH80G4     | <b>65.0</b>              | 65.9                    | 54.0                    | 56                                | 61                    | 11.0                 | 8            | 0                                |
| Pioneer                  | 83P27      | <b>64.8</b>              | <b>67.6</b>             | 47.1                    | 52                                | 60                    | 9.8                  | 6            | 0                                |
| Southern Harvest         | SH65G6     | <b>63.5</b>              | <b>69.6</b>             | 55.4                    | 51                                | 58                    | 10.5                 | 0            | 0                                |
| Dyna-Gro                 | M62GB77    | <b>61.5</b>              | <b>69.0</b>             | 56.9                    | 48                                | 58                    | 8.5                  | 1            | 0                                |
| Desert Sun               | DSM 40-920 | <b>59.8</b>              | 63.3                    | 58.9                    | 54                                | 56                    | 10.0                 | 0            | 0                                |
| Sorghum Partners         | SP 43M80   | 53.5                     | .                       | 45.3                    | 44                                | 55                    | 8.0                  | 2            | 0                                |
| Dyna-Gro                 | M74GB17    | 36.3                     | 51.9                    | 45.8                    | 60                                | 61                    | 10.0                 | 21           | 0                                |
| Dyna-Gro                 | M72GB71    | 33.8                     | .                       | 70.0                    | 58                                | 61                    | 10.0                 | 55           | 0                                |
| Dyna-Gro                 | M60GB31    | 27.3                     | 34.1                    | 41.5                    | 53                                | 56                    | 9.0                  | 70           | 0                                |
| Dyna-Gro                 | GX19981    | 23.0                     | 45.1                    | .                       | 56                                | 56                    | 8.0                  | 79           | 0                                |
| Dyna-Gro                 | M69GR88    | 18.5                     | 26.6                    | .                       | 54                                | 55                    | 8.5                  | 65           | 0                                |
| Dyna-Gro                 | M71GR91    | 18.5                     | .                       | .                       | 57                                | 56                    | 8.0                  | 67           | 0                                |
| DEKALB                   | DKS36-07   | 17.0                     | .                       | .                       | 49                                | 54                    | 8.0                  | 50           | 0                                |
| Dyna-Gro                 | M69GB38    | 14.5                     | 27.1                    | .                       | 54                                | 53                    | 8.0                  | 91           | 0                                |
| Average                  |            | 41.5                     | 54.1                    | 51.5                    | 53                                | 57                    | 9.3                  | 34           | 0                                |
| LSD at 10% Level         |            | 8.0                      | 7.7                     | 5.8                     | 1                                 | 2                     | 0.9                  | 15           | -                                |
| Model R-squared          |            | 0.93                     | 0.83                    | 0.81                    | 0.99                              | 0.81                  | 0.81                 | 0.91         | -                                |

**Bolded** yields are statistically non-significant ( $p = 0.10$  level) from the highest yielding test entry.

1. Days from planting to 50% bloom.

Planted: June 22, 2020.

Harvested: October 1, 2020.

Seeding Rate: 80,000 seeds per acre in 36-inch rows.

Soil Type: Tifton loamy sand.

Soil Test: P = High, K = Medium, and pH = 6.3.

Fertilization: Preplant: 50 lb N, 50 lb P<sub>2</sub>O<sub>5</sub>, and 70 lb K<sub>2</sub>O/acre. Sidedress: 100 lb N/acre.

Previous Crop: Dryland corn.

Management: Conventional tillage. Dual Magnum and Atrazine used for weed control.  
Sivanto used for insect control.

Test conducted by R. Brooke, K. Cawley, M. Cofield, and D. Dunn.

**Plains, Georgia:**  
**Late-Planted Sorghum Grain Performance, 2020, Dryland**

| Company or<br>Brand Name | Hybrid     | Yield       |          | Test   | 50%                | Plant  | Head   | Lodging |   |
|--------------------------|------------|-------------|----------|--------|--------------------|--------|--------|---------|---|
|                          |            | 2020        | 2-Yr Avg | Weight | Bloom <sup>1</sup> | Height | Height |         |   |
|                          |            | -----       | bu/acre  | -----  | lb/bu              | days   | in     | in      | % |
| Pioneer                  | 83P27      | <b>45.3</b> | .        | 57.2   | 53                 | 50     | 7.8    | 1       |   |
| Dyna-Gro                 | M62GB77    | <b>44.8</b> | .        | 65.0   | 52                 | 50     | 8.0    | 0       |   |
| Pioneer                  | 83P17      | <b>44.5</b> | .        | 59.3   | 56                 | 50     | 9.0    | 0       |   |
| Dyna-Gro                 | GX19981    | <b>37.3</b> | .        | 59.6   | 53                 | 49     | 6.0    | 0       |   |
| Dyna-Gro                 | M71GR91    | <b>36.5</b> | .        | 61.0   | 58                 | 49     | 7.5    | 0       |   |
| Desert Sun               | DSM 40-920 | <b>35.5</b> | .        | 66.4   | 54                 | 45     | 9.5    | 0       |   |
| Sorghum Partners         | SP 43M80   | <b>34.3</b> | .        | 61.5   | 46                 | 41     | 8.0    | 3       |   |
| Dyna-Gro                 | M69GR88    | 31.8        | .        | 57.3   | 55                 | 42     | 6.0    | 0       |   |
| Dyna-Gro                 | M74GB17    | 31.8        | .        | 61.2   | 57                 | 53     | 9.0    | 5       |   |
| Southern Harvest         | SH65G6     | 31.5        | .        | 63.7   | 57                 | 50     | 9.5    | 0       |   |
| Dyna-Gro                 | M72GB71    | 29.5        | .        | 61.5   | 59                 | 51     | 8.0    | 0       |   |
| Southern Harvest         | SH80G4     | 28.5        | .        | 63.3   | 56                 | 42     | 8.0    | 0       |   |
| Dyna-Gro                 | M60GB31    | 27.0        | .        | 60.9   | 55                 | 44     | 7.5    | 2       |   |
| Dyna-Gro                 | M69GB38    | 24.8        | .        | 57.4   | 55                 | 41     | 6.0    | 0       |   |
| DEKALB                   | DKS36-07   | 19.0        | .        | .      | 52                 | 47     | 7.5    | 5       |   |
| Average                  |            | 33.5        | -        | 61.4   | 54                 | 47     | 7.8    | 1       |   |
| LSD at 10% Level         |            | 13.4        | -        | NS     | 1                  | 3      | 1.1    | -       |   |
| Model R-squared          |            | 0.37        | -        | 0.45   | 0.98               | 0.82   | 0.69   | 0.64    |   |

**Bolded** yields are statistically non-significant ( $p = 0.10$  level) from the highest yielding test entry.

1. Days from planting to 50% bloom.

Planted: June 30, 2020.

Harvested: October 5, 2020.

Seeding Rate: 80,000 seeds per acre in 36-inch rows.

Soil Type: Greenville sandy loam.

Soil Test: P = Medium, K = Medium, and pH = 6.2.

Fertilization: Preplant: 6 lb N, 35 lb P<sub>2</sub>O<sub>5</sub>, and 70 lb K<sub>2</sub>O/acre. Sidedress: 50 lb N/acre.

Previous Crop: Cotton.

Management: Conventional tillage. Dual Magnum and Atrazine used for weed control.  
Sivanto used for insect control.

Test conducted by R. Brooke, K. Cawley, M. Cofield, D. Dunn, W. Jones, and D. Pearce.