

2018 Colby, Kansas Irrigated Grain Sorghum Performance Test, Thomas County

| BRAND            | NAME         | YIELD<br>(bu/a) | PAVG<br>(%) | MOIST<br>(%) | TW<br>(lb/bu) | DAYS<br>(bloom) | PHT<br>(in) | PLANTS<br>per acre |
|------------------|--------------|-----------------|-------------|--------------|---------------|-----------------|-------------|--------------------|
| ALTA             | ADV G2106    | 147.6           | 102.3       | 15.5         | 56.7          | 64.0            | 48.3        | 133947             |
| ALTA             | ADV G2275    | 108.2           | 75.0        | 17.6         | 57.6          | 69.0            | 53.5        | 138956             |
| ALTA             | ADV G3247    | 152.6           | 105.8       | 15.4         | 59.9          | 71.8            | 56.3        | 144619             |
| ALTA             | ADV XG016    | 166.4           | 115.3       | 16.9         | 58.4          | 73.5            | 62.3        | 142441             |
| ALTA             | ADV XG093    | 157.1           | 108.9       | 17.7         | 58.1          | 72.8            | 55.8        | 145490             |
| ALTA             | AG1301       | 151.3           | 104.9       | 15.6         | 56.0          | 67.3            | 45.0        | 145926             |
| B-H GENETICS     | BH 4100      | 165.6           | 114.8       | 15.4         | 60.2          | 66.5            | 50.0        | 124255             |
| B-H GENETICS     | BH 5677      | 153.1           | 106.1       | 15.9         | 58.8          | 71.3            | 52.5        | 132096             |
| B-H GENETICS     | XPS 1813     | 164.2           | 113.8       | 15.4         | 58.5          | 66.3            | 53.3        | 125126             |
| CHECK            | EARLY        | 130.4           | 90.4        | 15.0         | 58.8          | 60.5            | 45.5        | 137105             |
| CHECK            | LATE         | 166.4           | 115.3       | 15.8         | 59.4          | 73.0            | 54.3        | 127413             |
| CHECK            | MED          | 108.3           | 75.1        | 15.2         | 58.9          | 62.3            | 48.8        | 130353             |
| DEKALB           | DKS33-07     | 140.5           | 97.4        | 15.4         | 58.4          | 65.5            | 45.0        | 137323             |
| DEKALB           | DKS38-16     | 146.2           | 101.4       | 15.9         | 60.4          | 67.8            | 52.0        | 130898             |
| DEKALB           | DKS45-23     | 140.3           | 97.3        | 16.7         | 57.0          | 70.3            | 55.0        | 138412             |
| DEKALB           | DKS47-07     | 116.8           | 80.9        | 18.0         | 52.7          | 71.0            | 58.5        | 130898             |
| DEKALB           | DKS53-53     | 176.3           | 122.2       | 16.1         | 57.6          | 74.0            | 54.3        | 126542             |
| DYNA-GRO         | GX16921      | 148.4           | 102.9       | 15.4         | 56.3          | 75.5            | 63.5        | 115979             |
| DYNA-GRO         | GX17210      | 146.9           | 101.8       | 15.4         | 56.6          | 67.0            | 48.0        | 120770             |
| DYNA-GRO         | GX17912      | 122.5           | 84.9        | 14.9         | 51.6          | 62.3            | 52.0        | 134056             |
| DYNA-GRO         | GX17914      | 154.4           | 107.0       | 14.9         | 57.2          | 61.0            | 51.3        | 138739             |
| DYNA-GRO         | GX17917      | 119.9           | 83.1        | 14.8         | 55.2          | 58.8            | 46.8        | 129264             |
| DYNA-GRO         | GX18919      | 110.5           | 76.6        | 14.7         | 55.1          | 58.5            | 47.0        | 136670             |
| DYNA-GRO         | M59GB57      | 121.5           | 84.2        | 14.8         | 55.7          | 59.8            | 41.8        | 138630             |
| DYNA-GRO         | M60GB31      | 169.7           | 117.6       | 15.5         | 58.5          | 66.3            | 50.3        | 130680             |
| DYNA-GRO         | M60GB88      | 148.2           | 102.7       | 15.1         | 57.0          | 66.0            | 51.0        | 125453             |
| GOLDEN ACRES     | 2840B        | 146.8           | 101.7       | 16.1         | 52.4          | 63.3            | 53.3        | 128829             |
| GOLDEN ACRES     | 3960B        | 170.2           | 118.0       | 15.4         | 59.6          | 66.5            | 48.8        | 126651             |
| MATURITY CHECK   | DEKALB EARLY | 114.4           | 79.3        | 14.7         | 55.6          | 59.0            | 46.8        | 130027             |
| MATURITY CHECK   | DEKALB LATE  | 143.7           | 99.6        | 15.4         | 59.1          | 70.5            | 59.3        | 134056             |
| MATURITY CHECK   | DEKALB MED   | 163.1           | 113.0       | 15.7         | 60.5          | 66.5            | 51.8        | 133729             |
| S&W SEED         | SG11268      | 133.0           | 92.2        | 15.9         | 57.1          | 67.0            | 52.5        | 114018             |
| S&W SEED         | SG11668      | 146.3           | 101.4       | 15.3         | 54.5          | 69.0            | 51.3        | 118701             |
| S&W SEED         | SG11670      | 154.0           | 106.8       | 15.8         | 57.3          | 66.8            | 46.0        | 103237             |
| SORGHUM PARTNERS | SP31A15      | 139.4           | 96.6        | 14.6         | 53.1          | 60.8            | 45.5        | 126106             |
| SORGHUM PARTNERS | SP68M57      | 140.0           | 97.1        | 15.3         | 58.7          | 65.0            | 49.8        | 140917             |
| SORGHUM PARTNERS | SP73B12      | 141.4           | 98.0        | 17.0         | 58.3          | 69.0            | 50.5        | 136016             |
| SORGHUM PARTNERS | SP7715       | 157.1           | 108.9       | 16.5         | 59.9          | 74.8            | 54.8        | 140699             |
|                  | Average      | 144.3           | 100.0       | 15.7         | 57.3          | 66.8            | 51.4        | 131448             |
|                  | CV (%)       | 7.8             | 7.8         | 4.1          | 5.1           | 1.9             | 4.1         | 6                  |
|                  | LSD (0.05)   | 15.7            | 10.9        | 0.9          | 4.1           | 1.8             | 3.0         | 11549              |

\*Yields must differ by more than the LSD value to be considered statistically different.

Planted: 5/25/2018

Harvested: 10/30/2018

100-30-0 N, P, K

Irrigation: ~8.7 inches