

Sunray

2019 Grain Sorghum Performance Trial

| Brand | Hybrid | Days to 50% Flower | Plant Height (in) | Head Ex (in) | Lodging (%) | Moisture (%) | Test Weight (lbs/bu) | Yield * (bu/acre) |
|--------------|-----------|-----------------------|----------------------|-----------------|----------------|-----------------|-------------------------|----------------------|
| DEKALB | DKS 54-07 | 71 | 56 | 6 | 0 | 12.4 | 56.2 | 140 |
| Dyna-Gro | M60GB31 | 67 | 49 | 5 | 0 | 12.6 | 54.9 | 133 |
| B-H Genetics | 4100 | 67 | 51 | 5 | 0 | 11.6 | 54.4 | 130 |
| Alta Seeds | ADV G3247 | 71 | 53 | 6 | 0 | 11.6 | 54.6 | 127 |
| Dyna-Gro | M71GR91 | 70 | 55 | 5 | 0 | 13.4 | 57.5 | 127 |
| Golden Acres | 4880R | 69 | 56 | 6 | 0 | 13.4 | 57.4 | 126 |
| DEKALB | DKS 46-60 | 67 | 50 | 8 | 0 | 12.0 | 55.2 | 125 |
| Dyna-Gro | M62GB77 | 65 | 48 | 7 | 0 | 11.4 | 54.8 | 125 |
| Dyna-Gro | M69GR88 | 72 | 50 | 4 | 0 | 13.8 | 53.3 | 125 |
| Dyna-Gro | GX17457 | 70 | 51 | 2 | 0 | 11.1 | 54.3 | 125 |
| Dyna-Gro | M68GB18 | 72 | 56 | 4 | 0 | 13.1 | 54.8 | 123 |
| Dyna-Gro | GX17973 | 70 | 56 | 5 | 0 | 10.1 | 51.2 | 123 |
| DEKALB | DKS 53-53 | 71 | 50 | 6 | 0 | 12.5 | 54.8 | 121 |
| Pioneer | 84P80 | 71 | 51 | 2 | 0 | 11.7 | 55.1 | 121 |
| Dyna-Gro | GX19981 | 70 | 49 | 4 | 0 | 13.2 | 57.3 | 121 |
| Dyna-Gro | M60GB88 | 66 | 48 | 5 | 0 | 11.4 | 54.1 | 120 |
| Dyna-Gro | GX18395 | 67 | 51 | 5 | 0 | 12.9 | 55.1 | 120 |
| Alta Seeds | ADV G2275 | 70 | 53 | 6 | 0 | 14.5 | 56.3 | 119 |
| Golden Acres | 3020B | 67 | 50 | 6 | 0 | 12.3 | 54.1 | 119 |
| Dyna-Gro | M71GR04 | 71 | 56 | 1 | 0 | 11.1 | 53.4 | 117 |
| DEKALB | DKS 37-07 | 66 | 47 | 4 | 0 | 11.2 | 54.0 | 117 |

*Yields highlighted in yellow are not significantly different (L.S.D., p=0.05) from the top ranked hybrid.

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|-----------------------------|-----------------|-----------------------|----------------------|-----------------|----------------|-----------------|-------------------------|----------------------|
| Sorghum Partners | SP74M21 | 72 | 50 | 6 | 0 | 11.6 | 53.9 | 116 |
| Alta Seeds | ADV G2106 | 67 | 48 | 5 | 0 | 11.6 | 54.8 | 116 |
| Dyna-Gro | M69GB38 | 70 | 54 | 7 | 0 | 11.8 | 53.9 | 115 |
| Texas A&M AgriLife Research | ATx2752xRTx2783 | 72 | 55 | 2 | 0 | 12.1 | 54.3 | 113 |
| REV | 9620 | 72 | 55 | 5 | 0 | 12.5 | 52.6 | 112 |
| DEKALB | DKS 38-16 | 66 | 50 | 6 | 0 | 11.3 | 54.9 | 110 |
| Dyna-Gro | M74GB17 | 70 | 53 | 4 | 0 | 11.8 | 53.7 | 108 |
| DEKALB | DKS 51-01 | 68 | 52 | 6 | 0 | 10.2 | 54.4 | 103 |
| REV | 9924 | 73 | 56 | 3 | 0 | 10.4 | 51.9 | 101 |
| Texas A&M AgriLife Research | ATx2752xRTx430 | 71 | 49 | 3 | 0 | 11.8 | 53.4 | 101 |
| Texas A&M AgriLife Research | ATx378xRTx430 | 69 | 58 | 4 | 0 | 11.3 | 52.7 | 100 |
| Texas A&M AgriLife Research | ATx631xRTx436 | 72 | 56 | 5 | 0 | 13.3 | 53.1 | 87 |

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|------------------------------|------------|--|----------------------|-----------------|----------------|-----------------|-------------------------|----------------------|-------|
| Agronomic information | | Mean | 69 | 52 | 5 | 0.0 | 12.0 | 54.4 | 118 |
| Plant Date | 6/25/2019 | C.V. % | 1.2 | 4.0 | 27.7 | | 10.1 | 2.3 | 7.9 |
| Harvest Date | 10/23/2019 | P>f (hybrid) | 0.000 | 0.000 | 0.000 | | 0.000 | 0.000 | 0.000 |
| Irrigated | No | L.S.D. | 1.1 | 3.0 | 1.8 | | 1.7 | 1.8 | 13.1 |
| Row Spacing (in) | 30 | Trial Notes | | | | | | | |
| Number of Rows | 2 | | | | | | | | |
| Seeds per Acre | 40,000 | | | | | | | | |
| N (lb/ac) | | | | | | | | | |
| P2O5 (lb/ac) | | | | | | | | | |
| K2O (lb/ac) | | | | | | | | | |
| Precipitation (in) | 26.38 | | | | | | | | |
| Irrigation (in) | | | | | | | | | |
| Herbicide | | | | | | | | | |
| | | Soil Type | Silty clay loam | | | | | | |
| | | Tillage | | | | | | | |
| | | Previous Crop | | | | | | | |
| | | Cooperator: Lone Star Family Farms Four replications of each hybrid are planted in a randomized block design. Model : yield = hybrid blk. SAS 9.4 was used for statistical analysis. LSD provided when hybrid significant at p < 0.05. Yields highlighted in yellow are not statistically different from the top ranked hybrid. Plots were planted using a SRES Advanced planter with Monosem units. Plots were harvested with a JD 3300 plot combine fitted with a Harvest Master GrainGage System. Precipitation data was recorded from January 1 through the harvest date. For additional information contact: Dr. Ronnie Schnell / Katrina Horn ronschnell@tamu.edu / khorn@tamu.edu 979-845-2935 / 979-845-8505 | | | | | | | |

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