AGRICULTURE & LIFE SCIENCES
TEXAS A&M UNIVERSITY

Department of Soil and Crop Sciences

Driscoll
2018 Grain Sorghum Performance Trial

TEXAS A&M AGRILIFE RESEARCH | EXTENSION

Brand	Hybrid	Days to 50% Flower	Plant Height (in)	Head Ex (in)	Lodging (%)	Moisture (%)	Test Weight (lbs/bu)	Yield * (lbs/acre)
DEKALB	DKS 53-53	71	46	4	0	11.9	59.4	8,240
DEKALB	DKS 51-01	71	51	7	0	12.0	58.9	7,619
DEKALB	DKS 38-16	70	49	4	0	12.0	59.1	7,604
Pioneer	83P27	69	49	5	0	12.5	57.7	7,470
Dyna-Gro	GX17968	71	54	7	0	12.6	59.3	7,416
Gold Source	GS7016	71	52	4	0	12.8	57.3	7,352
Pioneer	83P73	71	49	4	0	12.9	57.2	7,334
Dyna-Gro	GX17962	71	46	3	0	11.5	57.9	7,177
Dyna-Gro	GX17948	71	48	4	0	12.3	59.1	7,111
REV	9924	71	48	4	0	11.8	57.5	7,085
Golden Acres	2840B	68	50	5	0	12.2	59.5	7,010
Dyna-Gro	GX17227	71	49	3	0	13.7	58.3	6,993
DEKALB	DKS 45-23	71	48	4	0	12.1	59.1	6,968
Gayland Ward	EXP 9134	68	53	6	0	12.4	58.1	6,920
Pioneer	83P56	71	49	5	0	12.2	57.4	6,878
REV	9782	68	45	4	0	11.6	58.5	6,872
Pioneer	84P72	71	45	3	0	12.2	58.3	6,855
Dyna-Gro	M74GB17	72	48	5	0	13.0	57.1	6,771
Dyna-Gro	M73GR55	71	49	5	0	14.0	56.7	6,769
Alta Seeds	ADV G2275	71	45	6	0	12.8	59.0	6,709
Gold Source	GS7215	71	49	4	0	13.2	57.4	6,683

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

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Texas A&M AgriLife Research	ATx645xRTx2783	71	52	4	0	13.4	57.6	6,611
Integra	G3670	69	45	5	0	12.2	56.1	6,549
Integra	G3701	71	49	4	0	12.2	60.0	6,545
Alta Seeds	ADV G3247	71	47	5	0	12.4	55.9	6,535
Gold Source	GS6717	70	45	4	0	12.6	56.3	6,520
Golden Acres	3020B	71	47	4	0	12.1	57.4	6,495
Integra	G3630	70	42	3	0	12.1	57.0	6,490
DEKALB	DKS 37-07	68	46	5	0	11.8	58.0	6,482
REV	9562	69	46	6	0	11.8	57.7	6,464
B-H Genetics	4100	70	44	3	0	12.1	56.8	6,439
Dyna-Gro	M60GB31	70	44	5	0	11.9	56.6	6,407
Alta Seeds	AG1203	71	43	4	0	11.9	58.3	6,396
Dyna-Gro	GX16833	71	50	5	0	12.4	59.7	6,385
Gayland Ward	EXP 9098	71	49	5	0	12.0	57.0	6,364
Gayland Ward	EXP 9138	71	55	10	0	12.5	56.7	6,336
Golden Acres	3960B	70	43	4	0	11.8	56.7	6,268
Texas A&M AgriLife Research	ATx2928xRTx436	70	48	4	0	12.0	54.3	6,263
Dyna-Gro	GX17379	71	46	3	0	12.5	58.0	6,193
Gayland Ward	1160	70	47	7	0	12.7	56.7	6,144
Texas A&M AgriLife Research	ATx378xRTx430	69	49	4	0	11.8	55.6	6,139
Gold Source	GS7117	72	44	6	0	12.5	57.6	5,997

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Sorghum Partners	SP73B12	72	42	6	0	12.4	57.6	5,981
Gayland Ward	EXP 9135	71	46	6	0	11.6	56.2	5,974
Texas A&M AgriLife Research	ATx399xRTx430	69	42	4	0	11.2	53.6	5,866
Gayland Ward	EXP 9097	71	49	6	0	12.2	57.2	5,749
USDA Lubbock	A.10004/R.LBK2	71	46	3	0	13.0	55.3	5,558
USDA Lubbock	A.OK11/R.LBK2	69	44	3	0	11.6	54.2	5,478
USDA Lubbock	A.TX2752/R.LBK2	68	43	4	0	11.8	56.7	5,215
Gayland Ward	EXP 9139	70	43	7	0	11.7	57.0	5,192

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Mean		70	47	5	0.0	12.3	57.4	6,577
C.V. %		1.3	4.0	26.7		3.8	1.9	6.9
P>f (hybrid)		0.000	0.000	0.000		0.000	0.000	0.000
L.S.D.		1.3	2.6	1.7		0.6	1.5	635.3

Agronomic information

Plant Date	3/1/2018
Harvest Date	7/20/2018
Irrigated	No
Row Spacing (in)	30
Number of Rows	2
Seeds per Acre	60,000
N (lb/ac)	75
P2O5 (lb/ac)	15
K2O (lb/ac)	0
Precipitation (in)	8.78
Irrigation (in)	

Herbicide

10 oz/ac Outlook + .30oz/ac Peak

Trial Notes

*6 lb/ac Sulfur applied

Soil Type	Victoria Clay
Tillage	
Previous Crop	Cotton

Cooperator: McNair 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 Almaco meter units on a JD Max-Emerge II 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:
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