

Plainview 2018 Grain Sorghum Performance Trial

Brand	Hybrid	Days to 50% Flower	Plant Height (in)	Head Ex (in)	Lodging (%)	Moisture (%)	Test Weight (lbs/bu)	Yield * (lbs/acre)
Dyna-Gro	M69GB38	57	54	4	0	11.1	61.0	7,114
DEKALB	DKS 45-23	57	51	1	0	10.8	60.9	7,079
Browning	Winfield	57	49	2	0	11.0	61.3	6,864
Dyna-Gro	M60GB31	52	47	5	0	10.9	60.5	6,837
Browning	Browning Maverick	57	52	1	0	11.0	60.6	6,816
Dyna-Gro	GX17948	55	52	2	0	11.0	60.7	6,797
Alta Seeds	ADV G3247	57	53	2	0	10.7	59.2	6,750
DEKALB	DKS 38-16	52	50	3	0	11.2	61.9	6,710
DEKALB	DKS 37-07	52	45	2	0	11.1	61.2	6,687
Dyna-Gro	GX17962	53	49	2	0	11.1	61.1	6,601
Browning	Challenger BMX	57	51	1	0	10.9	60.0	6,600
Browning	Grainger	57	51	3	0	11.2	57.8	6,588
DEKALB	DKS 53-53	57	50	1	0	10.8	59.2	6,530
Dyna-Gro	M74GB17	60	53	1	0	11.2	59.7	6,528
B-H Genetics	4100	52	47	3	0	10.8	60.0	6,513
Alta Seeds	AG1203	52	48	2	0	10.7	60.0	6,496
Texas A&M AgriLife Research	ATx2928xRTx436	57	48	1	0	11.2	56.9	6,403
Browning	Blaze	55	48	3	0	10.9	61.0	6,376
DEKALB	DKS 51-01	56	55	4	0	10.9	60.4	6,335
Dyna-Gro	GX16833	62	52	0	0	11.3	60.9	6,313
Browning	Apollo	56	50	2	0	10.6	59.5	6,283

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



Department of Soil and Crop Sciences

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REV	9562	55	46	2	0	11.1	61.3	6,232
Golden Acres	3020B	53	50	2	0	11.2	60.8	6,217
Texas A&M AgriLife Research	ATx399xRTx430	57	45	1	0	10.7	58.0	6,149
USDA Lubbock	A.TX2752/R.LBK1	62	51	2	0	10.9	59.8	6,143
Texas A&M AgriLife Research	ATx378xRTx430	57	52	1	0	10.5	58.8	6,127
Sorghum Partners	SP73B12	57	51	0	0	11.4	59.8	6,121
REV	9782	53	48	2	0	11.1	60.8	5,979
Browning	Cimarron	52	55	3	0	10.7	57.6	5,894
S&W Seed	SG11668	57	47	3	0	11.3	57.9	5,826
Dyna-Gro	M73GR55	62	56	2	0	11.0	59.3	5,772
Texas A&M AgriLife Research	ATx645xRTx2783	57	58	1	0	11.2	59.5	5,753
Dyna-Gro	GX17379	60	54	1	0	10.6	53.5	5,520
Golden Acres	2840B	50	47	4	0	11.0	60.8	5,517
Dyna-Gro	GX17227	61	56	1	0	11.1	59.6	5,471
Browning	775 W	52	44	4	0	10.4	55.9	5,387
Alta Seeds	ADV G2275	57	51	2	0	11.6	60.1	5,382
S&W Seed	SG11268	52	51	4	0	11.5	59.2	5,266
USDA Lubbock	PHA432/R.LBK1	56	54	2	0	10.8	56.9	5,183
S&W Seed	SG11670	57	43	2	0	11.3	56.7	5,155
Browning	Phoenix	49	46	5	0	10.6	58.1	4,530

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Agronomic information		Mean	56	50	2	0.0	11.0	59.5	6,167
Plant Date	6/5/2018	C.V. %	2.8	4.4	48.1		2.2	3.3	7.9
Harvest Date	11/3/2018	P>f (hybrid)	0.000	0.000		0.000	0.001	0.000	0.000
Irrigated	Yes	L.S.D.	2.2	3.1		0.4	3.3	801.5	
Row Spacing (in)	40	Trial Notes							
Number of Rows	2	*12 lb/ac Sulfur applied * Field irrigated 3 times. Once pre-plant, twice throughout season *7 oz/ac Sivanto applied							
Seeds per Acre	55,000								
N (lb/ac)	100	Cooperator: Don Macha 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: Dr. Ronnie Schnell / Katrina Horn ronschnell@tamu.edu / khorn@tamu.edu 979-845-2935 / 979-845-8505							
P2O5 (lb/ac)	30								
K2O (lb/ac)	0								
Precipitation (in)	23.65								
Irrigation (in)		Soil Type	Clay loam						
Herbicide	Aim @ 0.5 oz/ac + Atrazine @ 1.33 lb/ac. Prowl applied lay by @ 2pt/ac.	Tillage	Minimal tillage						
		Previous Crop	Cotton						

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