

Plainview 2019 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)
Pioneer	84P80	67	46	2	0	13.5	59.4	8,148
Dyna-Gro	GX18991	68	54	2	0	13.6	60.5	7,967
Dyna-Gro	M69GR88	69	50	5	0	13.0	57.4	7,884
Golden Acres	4880R	69	53	2	0	13.3	60.6	7,883
Golden Acres	3020B	67	47	3	0	12.8	58.6	7,811
DEKALB	DKS 54-07	71	51	3	0	13.1	59.6	7,781
DEKALB	DKS 46-60	67	49	5	0	13.8	60.2	7,577
DEKALB	DKS 51-01	69	52	4	0	13.2	58.5	7,556
Dyna-Gro	GX17973	69	50	3	0	13.2	57.6	7,514
Alta Seeds	ADV G3247	69	51	3	0	12.6	58.9	7,439
DEKALB	DKS 53-53	69	48	2	0	13.0	58.4	7,351
REV	9620	69	54	3	0	13.1	58.4	7,165
Dyna-Gro	GX19981	68	47	2	0	13.8	59.8	7,162
Dyna-Gro	GX17457	67	49	1	0	12.3	58.8	7,160
Dyna-Gro	M68GB18	68	57	2	0	14.0	59.4	7,085
DEKALB	DKS 38-16	65	46	2	0	13.3	59.6	7,079
Alta Seeds	ADV G2275	66	47	5	0	15.5	59.0	6,959
B-H Genetics	4100	67	46	4	0	13.5	58.7	6,885
Dyna-Gro	M69GB38	67	48	6	0	13.4	58.4	6,872
Alta Seeds	ADV G2106	59	42	3	0	13.1	57.0	6,679
DEKALB	DKS 37-07	61	45	2	0	13.4	58.1	6,606

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

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REV	9924	69	52	0	0	12.6	57.9	6,571
Dyna-Gro	GX18395	65	46	3	0	14.2	58.8	6,553
Texas A&M AgriLife Research	ATx378xRTx430	68	56	3	0	12.7	56.2	6,349
Texas A&M AgriLife Research	ATx631xRTx436	71	53	2	0	13.7	57.7	6,325
Dyna-Gro	M71GR04	69	56	2	0	13.8	59.9	6,282
Dyna-Gro	M62GB77	63	46	3	0	13.5	58.8	6,272
Dyna-Gro	M74GB17	67	49	2	0	14.3	58.7	6,249
Dyna-Gro	M60GB31	64	46	2	0	13.2	58.9	6,212
Texas A&M AgriLife Research	ATx2752xRTx2783	70	52	2	0	13.4	59.3	6,038
Texas A&M AgriLife Research	ATx2752xRTx430	70	47	1	0	13.5	56.7	6,013
Sorghum Partners	SP74M21	69	51	5	0	14.6	58.2	5,985
Dyna-Gro	M60GB88	61	45	3	0	13.5	56.2	5,696

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Agronomic information		Mean	67	49	3	0.0	13.4	58.6	6,943
Plant Date	5/16/2019	C.V. %	3.1	5.2	52.0		5.3	1.5	9.2
Harvest Date	9/26/2019	P>f (hybrid)	0.000	0.000			0.000	0.000	0.000
Irrigated	Yes	L.S.D.	2.9	3.6			1.0	1.3	903.7
Row Spacing (in)	40	Trial Notes							
Number of Rows	2	*4" rain preplant. Field irrigated twice during growing season.							
Seeds per Acre	55,000	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 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							
N (lb/ac)	60								
P2O5 (lb/ac)	0								
K2O (lb/ac)	0								
Precipitation (in)	18.61								
Irrigation (in)	8	Soil Type	Clay loam						
Herbicide	1.25 lb/ac Atraine after planting. 1.5 pt/ac Prowl at lay by.	Tillage	Conventional						
		Previous Crop	Fallow						

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