

Hill County 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)
DEKALB	DKS 54-07	73	60	7	0	16.1	59.8	6,203
Pioneer	84P80	71	55	6	0	14.7	59.4	6,053
Dyna-Gro	GX17973	72	60	8	0	12.6	56.0	6,032
Dyna-Gro	GX17457	70	54	4	0	14.3	60.3	5,862
Dyna-Gro	M71GR04	76	53	4	0	14.7	59.4	5,824
Dyna-Gro	M69GR88	74	51	6	0	15.3	58.6	5,789
Texas A&M AgriLife Research	ATx378xRTx430	72	64	8	0	15.1	58.5	5,665
Dyna-Gro	M60GB31	72	54	5	0	14.4	59.7	5,626
Integra	G3665	72	55	5	0	13.8	56.5	5,569
Golden Acres	3020B	73	52	6	0	14.2	58.9	5,447
Dyna-Gro	M68GB18	73	56	5	0	15.1	59.7	5,431
Dyna-Gro	M69GB38	74	57	6	0	16.1	58.2	5,422
Dyna-Gro	GX18991	74	56	4	0	15.1	60.4	5,406
Golden Acres	4880R	74	59	5	0	15.3	60.5	5,354
Integra	G3670	71	52	4	0	15.2	57.6	5,320
DEKALB	DKS 51-01	75	56	7	0	14.1	57.9	5,254
REV	9562	72	52	7	0	14.2	58.9	5,200
REV	9782	72	49	5	0	14.2	58.6	5,129
REV	9620	74	57	7	0	14.7	59.1	5,103
DEKALB	DKS 46-60	73	53	9	0	15.4	59.5	5,059
DEKALB	DKS 53-53	74	57	5	0	16.7	59.1	5,015

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

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DEKALB	DKS 38-16	70	56	8	0	15.5	59.8	4,962
Dyna-Gro	M62GB77	70	56	10	0	14.6	59.4	4,949
Dyna-Gro	M73GR55	79	54	2	0	15.8	58.7	4,919
Texas A&M AgriLife Research	ATx2752xRTx2783	76	50	3	0	14.8	59.3	4,805
Integra	G3630	71	53	6	0	14.8	58.8	4,783
Sorghum Partners	SP74M21	77	50	6	0	17.9	57.0	4,778
Texas A&M AgriLife Research	ATx2752xRTx430	74	53	5	0	14.8	58.3	4,748
Dyna-Gro	M60GB88	70	50	5	0	14.8	59.0	4,747
Texas A&M AgriLife Research	ATx631xRTx436	77	58	6	0	15.4	59.3	4,723
Dyna-Gro	GX18395	73	54	7	0	15.8	57.9	4,714
B-H Genetics	4100	73	54	6	0	14.5	58.4	4,697
Alta Seeds	ADV G2275	73	55	8	0	17.3	57.4	4,673
Gayland Ward	18057	70	54	10	0	15.1	57.7	4,659
Dyna-Gro	M74GB17	75	54	4	0	15.6	57.9	4,632
DEKALB	DKS 37-07	71	53	8	0	14.2	59.1	4,543
Alta Seeds	ADV G2106	71	49	7	0	15.2	57.6	4,540
Dyna-Gro	GX19981	74	52	4	0	15.2	58.2	4,462

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Agronomic information		Mean	73	54	6	0.0	15.1	58.7	5,160
Plant Date	4/23/2019	C.V. %	1.9	5.7	28.3		7.2	2.2	14.2
Harvest Date	8/23/2019	P>f (hybrid)	0.000	0.000			0.000	0.000	0.016
Irrigated	No	L.S.D.	2.0	4.3			1.5	1.8	1,025.6
Row Spacing (in)	30	Trial Notes							
Number of Rows	2	*8 oz/ac Besiege applied aerially on 7/8.							
Seeds per Acre	65,000	<p>Cooperator: Josh Birdwell</p> <p>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</p>							
N (lb/ac)	90								
P2O5 (lb/ac)	27								
K2O (lb/ac)	0								
Precipitation (in)	25.99								
Irrigation (in)		Soil Type	Clay						
Herbicide	20 oz/ac Medal + 1 qt/ac Atrazine at planting. 12.8 oz/ac Huskie + 1 pt Iron on 5/28	Tillage	Conventional						
		Previous Crop	Corn						

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