

College Station 2020 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)
Integra	G3711	78	56	5	0	14.7	60.7	8,364
Dyna-Gro	M71GR91	78	56	5	0	14.6	60.0	8,204
Golden Acres	4880R	78	55	6	0	14.7	60.4	8,054
DEKALB	DKS 46-60	77	52	8	0	14.6	58.6	7,458
DEKALB	DKS 44-07	75	48	5	0	14.4	59.2	7,096
DEKALB	DKS 54-07	79	53	6	0	14.9	59.4	7,077
Alta Seeds	ADV G2275	75	49	8	0	15.1	58.8	6,895
Texas A&M AgriLife Research	ATx378xRTx430	73	54	7	0	14.0	57.3	6,770
Golden Acres	3020B	74	48	6	0	14.1	58.5	6,768
Integra	G3665	75	47	6	0	13.9	57.2	6,687
Dyna-Gro	M72GB71	77	55	7	0	14.4	59.4	6,397
Dyna-Gro	M60GB31	74	44	5	0	14.5	60.4	6,389
DEKALB	DKS 45-60	75	50	9	0	14.4	58.3	6,150
Pioneer	83G19	76	48	4	0	14.1	57.6	6,147
Dyna-Gro	M74GB17	80	49	4	0	15.2	58.5	6,047
Dyna-Gro	GX19981	80	47	3	0	14.4	59.3	5,964
Dyna-Gro	M69GR88	78	47	6	0	14.2	57.6	5,947
DEKALB	DKS 36-07	73	46	5	0	14.5	58.8	5,707
Texas A&M AgriLife Research	ATx399xRTx430	73	47	7	0	14.1	57.9	5,614
Dyna-Gro	M69GB38	77	51	8	0	14.4	56.8	5,606
Integra	G3630	73	44	4	0	14.3	57.7	5,412

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

College Station 2020 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)
Gayland Ward	18057	76	48	8	0	14.8	58.1	5,214
Dyna-Gro	M62GB77	74	48	7	0	14.2	57.5	5,015
Texas A&M AgriLife Research	ATx631xRTx436	83	47	1	0	14.7	51.6	2,490

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



College Station 2020 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)
Agronomic information		Mean	76	49	6	0.0	58.3	6,311
Plant Date	3/17/2020	C.V. %	1.9	3.7	21.4	2.5	3.4	14.2
Harvest Date	7/21/2020	P>f (hybrid)	0.000	0.000		0.000	0.000	0.000
Irrigated	Yes	L.S.D.	2.1	2.6		0.5	2.8	1,272.4
Row Spacing (in)	30	Trial Notes						
Number of Rows	2	*Field was shredded and disked, then bedded and rod weeded before planting.						
Seeds per Acre	80,000	*Test irrigated once post flowering						
Precipitation (in)	0	<p>Cooperator: Texas A&M AgriLife</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:</p> <p>Dr. Ronnie Schnell / Katrina Horn ronschnell@tamu.edu / khorn@tamu.edu 979-845-2935 / 979-845-8505</p>						
Irrigation (in)								
Herbicide	1 pt/ac Dual + 3 pt/ac Atrazine applied pre-emerge. 3 pt/ac Prowl H2O applied layby after side dress	* Mehlich 3 by ICP, soiltesting.tamu.edu						
Soil Type	Clay	** Samples collected at planting, some locations may have applied fertilizer						
Tillage	Conventional	Fertilizer Applied		Soil Analysis Report**				
Previous Crop	Cotton	N (lb/ac)	165	NO3-N (ppm)		pH		
		P2O5 (lb/ac)	56	P (ppm)*		Conductivity (umho/cm)		
		K2O (lb/ac)	0	K (ppm)*		Ca (ppm)*		
		S (lb/ac)	0	S (ppm)*		Mg (ppm)*		
		Zn (lb/ac)	4			Na (ppm)*		

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