AGRICULTURE & LIFE SCIENCES
TEXAS A&M UNIVERSITY

Department of Soil and Crop Sciences

Perryton
2017 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)
Dyna-Gro	GX16855	72	54	4	0	11.7	60.0	8,281
Dyna-Gro	M73GR55	76	54	4	0	12.4	60.2	8,241
DEKALB	DKS 53-53	68	50	5	0	12.2	60.4	8,093
Dyna-Gro	GX17818	68	48	6	0	12.6	53.3	7,983
Dyna-Gro	GX16833	72	52	4	0	12.6	58.6	7,920
Pioneer	84P80	68	48	3	0	12.2	57.9	7,878
B-H Genetics	4100	64	45	4	0	11.9	57.2	7,842
NuTech	GS636	66	44	6	0	12.4	60.4	7,707
Sorghum Partners	SP7715	75	52	5	0	12.4	57.2	7,631
Texas A&M AgriLife Research	ATx2752xRTx430	68	50	5	0	12.4	58.3	7,528
DEKALB	DKS 45-23	67	50	4	0	12.4	58.8	7,419
Alta Seeds	AG3201	65	48	5	0	12.4	58.5	7,383
NuTech	GS725	68	53	7	0	12.4	58.2	7,356
Dyna-Gro	M74GB17	69	51	7	0	12.2	60.0	7,350
Alta Seeds	AG1203	66	45	3	0	12.3	59.5	7,302
Chromatin	CHR0L0029	70	49	4	0	12.2	56.7	7,206
Golden Acres	3960B	64	44	3	0	12.7	60.1	7,193
AgriComm Seeds	AGRI-G1	75	55	4	0	12.2	57.8	7,171
NuTech	GS663	62	41	2	0	12.3	57.8	7,019
Alta Seeds	AG3101	68	54	7	0	12.3	59.7	6,663
Chromatin	CHR2042	68	52	6	0	12.7	60.4	6,649

*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	66	46	4	0	12.4	59.8	6,632
Sorghum Partners	SP73B12	67	46	5	0	12.6	58.1	6,622
Dyna-Gro	M60GB31	65	44	3	0	12.3	58.2	6,600
NuTech	GS693	65	45	5	0	12.3	58.7	6,380
DEKALB	DKS 38-16	61	46	4	0	12.2	59.4	6,353
DEKALB	DKS 51-01	65	49	5	0	12.4	58.9	6,328
Dyna-Gro	M60GB88	60	45	4	0	12.4	57.7	6,309
Texas A&M AgriLife Research	ATx399xRTx430	68	45	4	0	12.1	55.9	6,257
Dyna-Gro	M75GR47	65	44	5	0	13.1	59.7	6,110
Texas A&M AgriLife Research	ATx378xRTx430	68	54	4	0	12.2	59.9	6,040
Chromatin	CHR0072	67	42	6	0	12.4	58.1	5,980
Dyna-Gro	GX16535	63	47	3	0	12.3	59.2	5,976
REV	9782	65	44	5	0	12.3	58.2	5,734
Sorghum Partners	SP68M57	62	41	2	0	12.6	58.2	5,615
DEKALB	DKS 37-07	62	45	3	0	12.6	58.6	5,552

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Mean		67	48	4	0.0	12.4	58.6	6,953
C.V. %		2.4	3.5	30.2		4.6	2.8	10.2
P>f (hybrid)		0.000	0.000			0.764	0.055	0.000
L.S.D.		2.3	2.3				3.1	989.6

Agronomic information

Plant Date	5/26/2017
Harvest Date	11/1/2017
Irrigated	Yes
Row Spacing (in)	30
Number of Rows	2
Seeds per Acre	60,000
N (lb/ac)	125
P2O5 (lb/ac)	30
K2O (lb/ac)	0
Precipitation (in)	26.39
Irrigation (in)	6

Herbicide

*1.5 qt/A Cinch ATZ Lite applied at planting

Trial Notes

*5 lb/A Zinc applied
*Special thanks to Scott Strawn, Ochiltree Co. CEA, for assisting with planting, note taking, and monitoring test block.

*Significant leaf damage from hail storm around seven leaf stage
*One application of Transform at regular rate applied for SCA at heading

Soil Type	
Tillage	Conventional
Previous Crop	Wheat

Cooperator: Monte Wright

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

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