

Rio Medina

2016 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)
Alta Seeds	AG2105	68	50	9	N/A	12.5	57.9	3,594
DEKALB	DKS 45-23	69	51	8	N/A	12.2	58.2	3,487
Alta Seeds	AG3101	68	58	10	N/A	12.3	58.5	3,400
NuTech	GS693	69	49	8	N/A	12.0	57.0	3,290
Golden Acres	3545	68	49	7	N/A	12.3	58.3	3,282
NuTech	GS676	71	43	8	N/A	12.1	57.0	3,250
REV	9924	72	53	7	N/A	12.3	57.7	3,245
Sorghum Partners	K73-J6	70	51	9	N/A	13.1	59.0	3,240
NuTech	GS725	69	54	9	N/A	12.5	58.3	3,144
Alta Seeds	AG2103	68	45	7	N/A	11.9	56.6	3,019
Chromatin	Chr0L0012	67	48	9	N/A	12.5	58.3	2,975
Texas A&M AgriLife Research	ATx2752xRTx430	70	46	6	N/A	12.3	58.7	2,946
Alta Seeds	AG3201	68	48	7	N/A	12.7	58.0	2,938
REV	9562	68	48	9	N/A	12.4	57.4	2,912
Golden Acres	3970R	68	45	8	N/A	12.2	57.7	2,909
DEKALB	DKS 53-53	71	48	7	N/A	13.1	59.5	2,840
Integra	G3660	67	45	7	N/A	12.0	56.8	2,826
DEKALB	DKS 51-01	71	52	9	N/A	12.4	57.9	2,802
REV	9782	69	48	7	N/A	12.2	57.8	2,673
Texas A&M AgriLife Research	ATx399xRTx430	70	45	7	N/A	12.2	57.4	2,620
Golden Acres	3960B	68	48	9	N/A	12.5	58.3	2,611
Alta Seeds	AG1203	69	48	9	N/A	12.0	57.5	2,607
Texas A&M AgriLife Research	ATx378xRTx430	69	58	7	N/A	12.7	58.0	2,558
Integra	G3701	71	51	6	N/A	12.5	58.4	2,531

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

Rio Medina 2016 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)
Sorghum Partners	SP70B17	71	50	8	N/A	11.9	56.0	2,510
Integra	G3670	70	46	7	N/A	12.7	57.3	2,413
NuTech	GS663	68	42	6	N/A	12.7	56.3	1,898

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

Rio Medina 2016 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	
Plant Date	<input type="text" value="4/7/2016"/>
Harvest Date	<input type="text" value="8/8/2016"/>
Irrigated	<input type="text" value="No"/>
Row Spacing (in)	<input type="text" value="38"/>
Number of Rows	<input type="text" value="2"/>
Seeds per Acre	<input type="text"/>
N (lb/ac)	<input type="text"/>
P2O5 (lb/ac)	<input type="text"/>
K2O (lb/ac)	<input type="text"/>
Precipitation (in)	<input type="text" value="27.58"/>
Irrigation (in)	<input type="text"/>
Herbicide	<input type="text"/>

Mean	69	49	8		12.4	57.8	2,908
C.V. %	2.9	5.1	16.9		3.7	1.3	20.2
P>f (hybrid)	0.010	0.000	0.000		0.232	0.001	
L.S.D.	2.9	3.5	2.0			1.3	

Trial Notes

*Originally designed to be an irrigated test but was conducted under rainfed scenario.
 *Wet soil conditions delayed optimum planting date
 *Test block appeared to have fertility issues on south side which probably impacted final yields

*Appreciation is expressed to Mr. Wayne Scholtz, retired Medina County CEA for recording flowering notes & monitoring test block

Soil Type	<input type="text"/>
Tillage	<input type="text"/>
Previous Crop	<input type="text"/>

Cooperator:

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: Dennis Pietsch
 croptest@tamu.edu
 979-845-8505

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