

Damon

2021 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	72	57	6	0	13.6	55.9	6,172
DEKALB	DKS 45-60	67	55	9	0	13.9	56.8	6,116
Dyna-Gro	GX20998	68	53	9	0	11.7	54.6	5,882
Dyna-Gro	GX20970	70	54	8	0	13.2	54.5	5,775
DEKALB	DKS 44-07	68	50	5	0	13.3	55.3	5,681
Dyna-Gro	M72GB71	72	56	6	0	13.7	54.2	5,537
Dyna-Gro	M71GR91	70	56	7	0	13.1	55.9	5,342
DEKALB	DKS 40-76	67	52	8	0	12.1	52.4	5,319
DEKALB	DKS 36-07	66	52	8	0	11.5	54.1	5,198
Texas A&M AgriLife Research	ATx631xRTx436	71	62	7	0	12.9	53.1	5,122
Dyna-Gro	M63GB78	67	49	7	0	12.7	52.7	5,007
Pioneer	82P83	71	54	8	0	13.6	51.4	5,003
Golden Acres	3180B	67	52	5	0	12.8	53.7	4,949
DEKALB	DKS 50-07	69	56	7	0	13.5	56.2	4,862
Dyna-Gro	M67GB87	68	55	7	0	13.3	54.8	4,801
Alta Seeds	ADV G2275	67	51	7	0	14.4	56.9	4,796
Pioneer	83P11	67	54	7	0	12.2	52.9	4,790
Dyna-Gro	GX21965	68	52	6	0	12.6	54.7	4,665

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



Damon

2021 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	3/22/2021
Harvest Date	7/29/2021
Irrigated	No
Row Spacing (in)	40
Number of Rows	2
Seeds per Acre	65,000
Precipitation (in)	35.9
Irrigation (in)	
Herbicide	
Soil Type	Lake Charles clay
Tillage	Conventional, planted on beds
Previous Crop	Cotton

Mean	69	54	7	0.0	13.0	54.4	5,279
C.V. %	1.3	2.8	22.3		7.4	2.3	4.6
P>f (hybrid)	0.000	0.000			0.004	0.000	0.000
L.S.D.	1.2	2.1			1.4	1.8	346.7

Trial Notes

Cooperator: Mikel Brothers

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

* Mehlich 3 by ICP, soiltesting.tamu.edu
** Samples collected at planting, some locations may have applied fertilizer

Fertilizer Applied		Soil Analysis Report**			
N (lb/ac)		NO3-N (ppm)	30	pH	5.3
P2O5 (lb/ac)		P (ppm)*	55	Conductivity (umho/cm)	404
K2O (lb/ac)		K (ppm)*	286	Ca (ppm)*	3,416
S (lb/ac)		S (ppm)*	13	Mg (ppm)*	1,030
Zn (lb/ac)				Na (ppm)*	76

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

Damon

2021 Grain Sorghum Performance Trial

Brand	Hybrid	Plant Population per Acre	Heads per Acre	Plant Stand %	Mean Tiller # per Plant	Lodging (%)	Head Size lb/head	Weathering Rating (0-9)	Iron Chlorosis Rating
Texas A&M AgriLife Research	ATx631xRTx436	52,109	57,499	80	0.11	0.0	0.09	2.5	
Pioneer	82P83		58,479	93	0.01	0.0	0.09	5.5	
Pioneer	83P11		61,093	95	0.02	0.0	0.08	5.5	
Golden Acres	3180B		59,949	94	0.00	0.0	0.08	4.0	
Dyna-Gro	GX20970	57,499	60,440	88	0.06	0.0	0.10	3.8	
Dyna-Gro	GX20998		58,969	93	0.00	0.0	0.10	4.0	
Dyna-Gro	GX21965		57,826	89	0.03	0.0	0.08	6.5	
Dyna-Gro	M63GB78	53,415	56,846	82	0.07	0.0	0.09	5.3	
Dyna-Gro	M67GB87	52,109	57,499	80	0.10	0.0	0.08	3.3	
Dyna-Gro	M71GR91	49,332	57,663	76	0.17	0.0	0.09	2.5	
Dyna-Gro	M72GB71	56,519	61,910	87	0.10	0.0	0.09	2.3	
DEKALB	DKS 36-07		57,663	99	0.00	0.0	0.09	6.5	
DEKALB	DKS 40-76	58,969	61,746	91	0.05	0.0	0.09	4.8	
DEKALB	DKS 44-07		58,479	95	0.00	0.0	0.10	2.8	
DEKALB	DKS 45-60	60,113	62,236	92	0.04	0.0	0.10	2.5	
DEKALB	DKS 50-07		58,153	93	0.00	0.0	0.08	2.3	
DEKALB	DKS 54-07		59,133	97	0.01	0.0	0.10	1.8	
Alta Seeds	ADV G2275	50,965	59,623	78	0.18	0.0	0.08	3.0	



Damon

2021 Grain Sorghum Performance Trial



Brand	Hybrid	Plant Population per Acre	Heads per Acre	Plant Stand %	Mean Tiller # per Plant	Lodging (%)	Head Size lb/head	Weathering Rating (0-9)	Iron Chlorosis Rating
-------	--------	---------------------------	----------------	---------------	-------------------------	-------------	-------------------	-------------------------	-----------------------

Mean	57,953	59,178	89	0.05	0.0	0.09	3.8	
------	--------	--------	----	------	-----	------	-----	--

Agronomic information	
Plant Date	3/22/2021
Harvest Date	7/29/2021
Irrigated	No
Row Spacing (in)	40
Number of Rows	2
Seeds per Acre	65,000
Precipitation (in)	35.9
Irrigation (in)	
Herbicide	

Trial Notes

Cooperator: Mikel Brothers

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

* Mehlich 3 by ICP, soiltesting.tamu.edu
** Samples collected at planting, some locations may have applied fertilizer

Fertilizer Applied		Soil Analysis Report**			
N (lb/ac)		NO3-N (ppm)	30	pH	5.3
P2O5 (lb/ac)		P (ppm)*	55	Conductivity (umho/cm)	404
K2O (lb/ac)		K (ppm)*	286	Ca (ppm)*	3,416
S (lb/ac)		S (ppm)*	13	Mg (ppm)*	1,030
Zn (lb/ac)				Na (ppm)*	76

Soil Type	Lake Charles clay
Tillage	Conventional, planted on beds
Previous Crop	Cotton