

TEXAS A&M UNIVERSITY Soil & Crop Sciences

Driscoll

2024 Grain Sorghum

Performance Trial



Brand	Hybrid	_	Days to 50% Flower	Plant Height (in)	Head Ex (in)	Lodging (%)	Moisture (%)	Test Weight (Ibs/bu)	Yield * (lbs/acre)
Agronomic information		Mean	67	51	6	45.3	14.1	63.5	3,568
Plant Date	2/26/2024	C.V. %	1.1	3.5	24.0	59.0	5.6	1.3	26.6
	2/20/2024	P>f (hybrid)	0.000	0.000			0.338	0.000	0.009
Harvest Date	6/17/2024	L.S.D.	1.1	2.6				1.2	
Irrigated	No	Trial Notes				Cooperator: McNair Farms			
Row Spacing (in)	30	The week before harvest strong winds resulted in				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 vollage are not statistically different from the tan			
Number of Rows	2	significant lodging. Results will not be published due to high CV.							
Target Seeds per Acre	60,000	0		ranked hybrid. Plots were planted using a SRES Advanced planter					
Precipitation (in)	6.8				with Monosem units. Plots were harvested with a JD 3300 plot combine fitted with a Harvest Master GrainGage System.				
Irrigation (in)				Precipitation data was recorded from planting date through the harvest date. For additional information contact:					
Herbicide									
		* Mehlich 3 by ICP, soiltesting.tamu.edu ** Samples collected at planting, some locations may have applied fertilizer					chnell / Katrina Ho !ll@ag.tamu.edu / 5 / 979-845-8505	rm katrina.horn@ag.t	amu.edu
		Fertilizer	Applied		Soil Analysis Report**				
Soil Type Victoria clay		N (lb/ac)		NO3-N (ppm)	21	рН		7.8
Tillage Conventiona	I	P2O5 (lb/ac)		P (ppm)	*	33	Conductivity	(umho/cm)	96
0-		K2O (lb/ac)		K (ppm)	*	539	Ca (ppm)*		7,698
		S (lb/ac)		S (ppm)	*	62	Mg (ppm)*		325
Crop Cotton		Zn (lb/ac)			L		Na (ppm)*		38

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



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2024 Grain Sorghum **Performance Trial**



Brand	Hybrid		Plant Population per Acre	Heads per Acre	Plant Stand %	Mean Tiller # po Plant	Lodging er (%)	Head Size Ib/head	Weathering Rating (0-9)	Iron Chlorosis Rating		
Agronomic information		Mean	52,993	58,398	88	0.13	45.3	0.06				
Plant Date	2/26/2024											
Harvest Date	6/17/2024											
Irrigated	No	Trial Notes					Cooperator: McNair Farms					
Row Spacing (in)	30	The week before harvest strong winds resulted in				Fou	Four replications of each hybrid are planted in a randomized block					
Number of Rows	significant lodging. Results will not be published due to					design. Model : yield = hybrid blk. SAS 9.4 was used for statistical analysis. LSD provided when hybrid significant at p < 0.05. Yields						
Target Seeds per Acre	highlighted in yellow are not statistically different from the top ranked hybrid. Plots were planted using a SRES Advanced planter							the top ed planter				
Precipitation (in)	6.8						with Monosem units. Plots were harvested with a JD 3300 plot combine fitted with a Harvest Master GrainGage System.					
Irrigation (in)		Precipitation data was recorded from planting date through the harvest date. For additional information contact:						ough the				
Herbicide						Dr.	Ronnie Schnell / Ka	atrina Horn				
		* Mehlich 3 by ICP, soiltesting.tamu.edu ** Samples collected at planting, some locations may have applied fertilizer						edu				
	Fertilizer Applied					Soil Analysis Report**						
Soil Type Victoria clay		N (lb/ac)		NO	3-N (ppm)	:	21 рН			7.8		
Tillage Conventional		P2O5 (lb/ac)		P (p	pm)*	:	33 Condu	ctivity (umho/	/cm)	96		
		K2O (lb/ac)		К (р	pm)*	5	39 Ca (pp	m)*		7,698		
Previous		S (lb/ac)		S (p	pm)*		52 Mg (pp	om)*		325		
Crop Cotton		Zn (lb/ac)		Na (ppm)*				38				

	7-1	8-1	0.1						
	/1	01	9-1	10-1	11-1	12-1	13-1	14-1	
	7-2	8-2	9-2	10-2	11-2	12-2	13-2	14-2	
	7-3	8-3	9-3	10-3	11-3	12-3	13-3	14-3	
3	7-4	8-4	9-4	10-4	11-4	12-4	13-4	14-4	
	7-5	8-5	9-5	10-5	11-5	12-5	13-5	14-5	
	7-6	8-6	9-6	10-6	11-6	12-6	13-6	14-6	
	7-7	8-7	9-7	10-7	11-7	12-7	13-7	14-7	
	7-8	8-8	9-8	10-8	11-8	12-8	13-8	14-8	
	7-9	8-9	9-9	10-9	11-9	12-9	13-9	14-9	
14	7-10	8-10	9-10	10-10	11-10	12-10	13-10	14-10	8
	7-11	8-11	9-11	10-11	11-11	12-11	13-11	14-11	
	7-12	8-12	9-12	10-12	11-12	12-12	13-12	14-12	
41	7-13	8-13	9-13	10-13	11-13	12-13	13-13	14-13	
	7-14	8-14	9-14	10-14	11-14	12-14	13-14	14-14	
	7-15	8-15	9-15	10-15	11-15	12-15	13-15	14-15	
	7-16	8-16	9-16	10-16	11-16	12-16	13-16	14-16	

UAV imagery 6/17/24: Digital Surface Model for plant height reflecting lodging in field. Values range from 42 inches (green) to 16 inches(dark orange). A deep red color indicates surface level height values.





