

Lubbock

2025 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	G3665	N/A	44	1	0	10.4	54.8	3,794
Dyna-Gro	M59GB94	N/A	46	3	0	11.1	59.8	3,761
DEKALB	DKS 49-76	N/A	42	2	0	10.9	57.8	3,715
Integra	G3640	N/A	40	1	0	11.0	57.8	3,561
DEKALB	DKS 44-07	N/A	43	1	0	11.1	60.1	3,490
DEKALB	DKS 43-76	N/A	43	1	0	11.4	58.7	3,464
Dyna-Gro	M70GR37	N/A	41	1	0	11.6	59.5	3,417
Alta Seeds	ADVG 2165	N/A	40	1	0	11.8	59.9	3,271
Alta Seeds	ADVG 1125IG	N/A	43	2	0	10.8	57.5	3,153
DEKALB	DKS 36-07	N/A	38	2	0	11.2	58.6	3,139
Dyna-Gro	M62GB36	N/A	40	0	0	11.0	57.7	3,073
Integra	G3711	N/A	44	1	0	10.7	58.6	2,920
Dyna-Gro	M66GR32	N/A	46	2	0	11.3	58.5	2,910
Alta Seeds	ADVG 1329	N/A	35	0	0	10.8	57.0	2,856
Dyna-Gro	M67GB87	N/A	43	1	0	9.5	54.4	2,842
Dyna-Gro	M60GB31	N/A	37	1	0	11.2	58.4	2,809
DEKALB	DKS 45-60	N/A	35	0	0	11.4	59.2	2,707
DEKALB	DKS 40-76	N/A	40	1	0	10.5	56.6	2,639
West Gaines Seed	EXP WG817C	N/A	35	1	0	10.8	57.5	2,438
Dyna-Gro	M54GR24	N/A	43	5	0	10.2	56.0	2,398

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



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Dyna-Gro	M64GB05 DT	N/A	36	0	0	8.9	56.0	2,108

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

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Agronomic information		Mean	41	1	0.0	10.8	57.8	3,070
Plant Date	6/4/2025	C.V. %	9.9	94.9		5.2	2.3	19.8
Harvest Date	11/19/2025	P>f (hybrid)	0.016			0.001	0.000	0.084
Irrigated	No	Trial Notes						
Row Spacing (in)	40	Cooperator: Four replications of each hybrid are planted in a randomized block design. Grain yield was analyzed using a linear mixed model (REML) with hybrid as a fixed effect, block as a random effect, and exponential spatial correlation structure based on plot coordinates. LSD provided when hybrid significant at $p < 0.05$. Yields highlighted in yellow are not statistically different from the top ranked hybrid. All other hybrids followed by the same letter are considered to have similar yield. Plots were planted using a SRES Advanced planter with Monosem units. Plots were harvested with a Zurn 160 plot combine fitted with a Harvest Master H3 GrainGage System. Precipitation data was recorded from planting date through the harvest date using MeteoStat in Python 3.11. For additional information contact: Dr. Ronnie Schnell / Katrina Horn ronnie.schnell@ag.tamu.edu / katrina.horn@ag.tamu.edu 979-321-5939 / 979-845-8505						
Number of Rows	2							
Target Seeds per Acre	45,000							
Precipitation (in)	12.85							
Irrigation (in)								
Herbicide								
Soil Type	Pullman clay loam							
Tillage	Conventional							
Previous Crop	Wheat							
		Fertilizer Applied		Soil Analysis Report**				
		N (lb/ac)		NO3-N (ppm)	30	pH	7.8	
		P2O5 (lb/ac)		P (ppm)*	66	Conductivity (umho/cm)	305	
		K2O (lb/ac)		K (ppm)*	928	Ca (ppm)*	2,324	
		S (lb/ac)		S (ppm)*	38	Mg (ppm)*	921	
		Zn (lb/ac)				Na (ppm)*	64	

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



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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
West Gaines Seed	EXP WG817C	38,768	39,857	86	0.04	0	0.06		
Integra	G3640	36,264	41,818	81	0.15	0	0.09		
Integra	G3665	40,511	43,996	90	0.14	0	0.09		
Integra	G3711		38,551	90		0	0.08		
Dyna-Gro	M54GR24	32,452	41,382	72	0.28	0	0.07		
Dyna-Gro	M59GB94	37,244	38,877	83	0.09	0	0.10		
Dyna-Gro	M60GB31	37,571	55,866	83	0.49	0	0.05		
Dyna-Gro	M62GB36	35,284	38,551	78	0.09	0	0.08		
Dyna-Gro	M64GB05 DT	31,690	33,323	70	0.10	0	0.07		
Dyna-Gro	M66GR32	35,284	38,551	78	0.18	0	0.08		
Dyna-Gro	M67GB87	32,017	34,304	71	0.08	0	0.09		
Dyna-Gro	M70GR37	34,630	45,302	77	0.30	0	0.08		
DEKALB	DKS 36-07	42,144	48,352	94	0.14	0	0.07		
DEKALB	DKS 40-76	39,857	40,946	89	0.03	0	0.07		
DEKALB	DKS 43-76	37,897	43,778	84	0.24	0	0.08		
DEKALB	DKS 44-07	38,224	38,551	85	0.02	0	0.10		
DEKALB	DKS 45-60	40,674	47,535	90	0.45	0	0.06		
DEKALB	DKS 49-76	37,571	39,204	83	0.09	0	0.09		
Alta Seeds	ADVG 1125IG	35,610	39,204	79	0.16	0	0.08		
Alta Seeds	ADVG 1329	32,670	37,080	73	0.14	0	0.07		
Alta Seeds	ADVG 2165	32,888	34,848	73	0.18	0	0.09		



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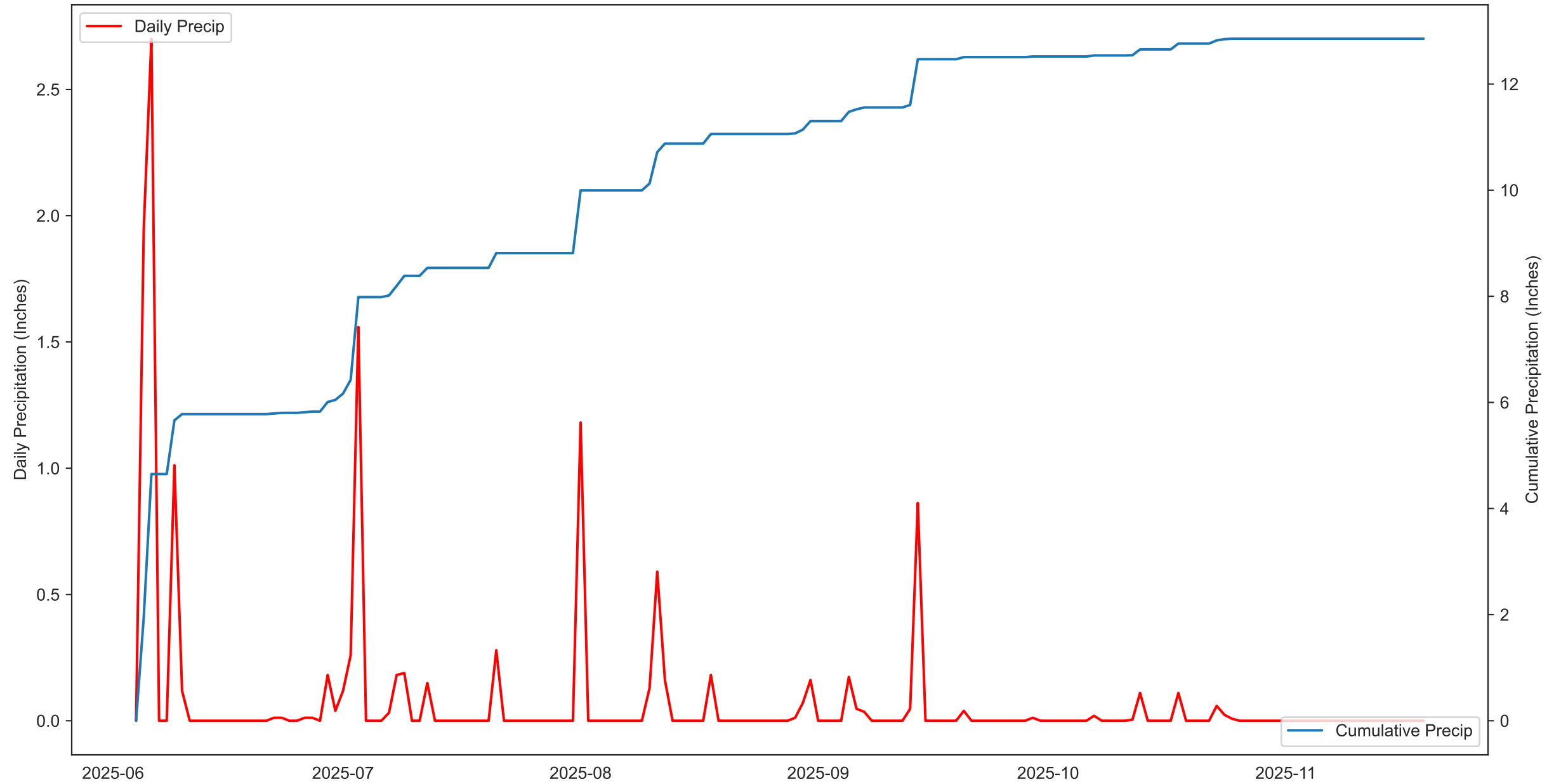
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Brand	Hybrid	Plant Population per Acre	Heads per Acre	Plant Stand %	Mean Tiller # per Plant	Lodging (%)	Head Size lb/head	Weathering Rating (0-9)	Iron Chlorosis Rating
Agronomic information		Mean	36,655	40,946	81	0.17	0	0.08	
Plant Date	6/4/2025								
Harvest Date	11/19/2025								
Irrigated	No								
Row Spacing (in)	40								
Number of Rows	2								
Target Seeds per Acre	45,000								
Precipitation (in)	12.85								
Irrigation (in)									
Herbicide									
Soil Type	Pullman clay loam								
Tillage	Conventional								
Previous Crop	Wheat								
Trial Notes		Cooperator:							
		Four replications of each hybrid are planted in a randomized block design. Plots were planted using a SRES Advanced planter with Monosem units. Plots were harvested with a Zurn 160 plot combine fitted with a Harvest Master H3 GrainGage System. Precipitation data was recorded from planting date through the harvest date. For additional information contact:							
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		* 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	7.8				
P2O5 (lb/ac)		P (ppm)*	66	Conductivity (umho/cm)	305				
K2O (lb/ac)		K (ppm)*	928	Ca (ppm)*	2,324				
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