



TEXAS A&M UNIVERSITY  
Soil & Crop Sciences

# Monte Alto 2024 Corn Performance Trial



Brand	Hybrid	GE Trait(s)	Days to 50% Silk	Plant Height (in)	Ear Height (in)	Plants per Acre	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)
Dyna-Gro	D58TC94	Genuity Trecepta	56	N/A	N/A	N/A	13.6	60.9	128
Integra	6493VT2P	Genuity VT Double PRO	57	N/A	N/A	N/A	12.9	57.4	125
Integra	6342TRE	Genuity Trecepta	56	N/A	N/A	N/A	12.9	56.9	123
Integra	6624TRE	Genuity Trecepta	57	N/A	N/A	N/A	13.8	57.6	121
DEKALB	DKC 68-35VT2	Genuity VT Double PRO	55	N/A	N/A	N/A	13.0	58.3	121
Dyna-Gro	D56TC44	Genuity Trecepta	57	N/A	N/A	N/A	13.6	58.3	120
Integra	6864R	RR2	57	N/A	N/A	N/A	14.1	59.4	119
Integra	6641SS	SmartStax	56	N/A	N/A	N/A	13.2	58.7	119
Dyna-Gro	D57TC29	Genuity Trecepta	57	N/A	N/A	N/A	13.7	56.3	117
Dyna-Gro	D54VC14	Genuity VT Double PRO	57	N/A	N/A	N/A	12.8	58.2	116
Dyna-Gro	D54SS74RIB	Genuity SmartStax RIB Com	57	N/A	N/A	N/A	13.0	57.3	115
Integra	6915TRE	Genuity Trecepta	58	N/A	N/A	N/A	13.3	58.1	113
DEKALB	DKC 69-99TRE	Genuity Trecepta	57	N/A	N/A	N/A	14.0	59.8	110

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



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<b>Agronomic information</b>			Mean	57			13.4	58.2	119
Plant Date	3/3/2024		C.V. %	2.0			3.4	0.8	10.8
Harvest Date	7/3/2024		P>f (hybrid)	0.231			0.001	0.000	0.823
Irrigated	Yes		L.S.D.				0.7	0.7	
Row Spacing (in)	30		<b>Trial Notes</b>						
Number of Rows	2		*Trial was irrigated 4/25/24			Cooperator Texas AgriScience			
Target Seeds per Acre	30,000		Four replications of each hybrid are planted in a randomized block design. Model : yield = hybrid blk. 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 planting date through the harvest date.						
Precipitation (in)	10.92		For additional information contact: Dr. Ronnie Schnell / Katrina Horn ronnie.schnell@ag.tamu.edu / katrina.horn@ag.tamu.edu 979-845-2935 / 979-845-8505						
Irrigation (in)			* Mehlich 3 by ICP, soiltesting.tamu.edu ** Samples collected at planting, some locations may have applied fertilizer						
Herbicide	1.5lb/ac Atrazine + 1.5 pt/ac Dual after planting		<b>Fertilizer Applied</b>		<b>Soil Analysis Report**</b>				
Soil Type	Rio clay loam		N (lb/ac)	170	NO3-N (ppm)	16	pH	7.8	
Tillage	Conventional		P2O5 (lb/ac)	35	P (ppm)*	81	Conductivity (umho/cm)	263	
Previous Crop	Cotton		K2O (lb/ac)	0	K (ppm)*	763	Ca (ppm)*	4,979	
			S (lb/ac)	0	S (ppm)*	82	Mg (ppm)*	638	
			Zn (lb/ac)	0			Na (ppm)*	230	

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

# Corn

## Monte Alto

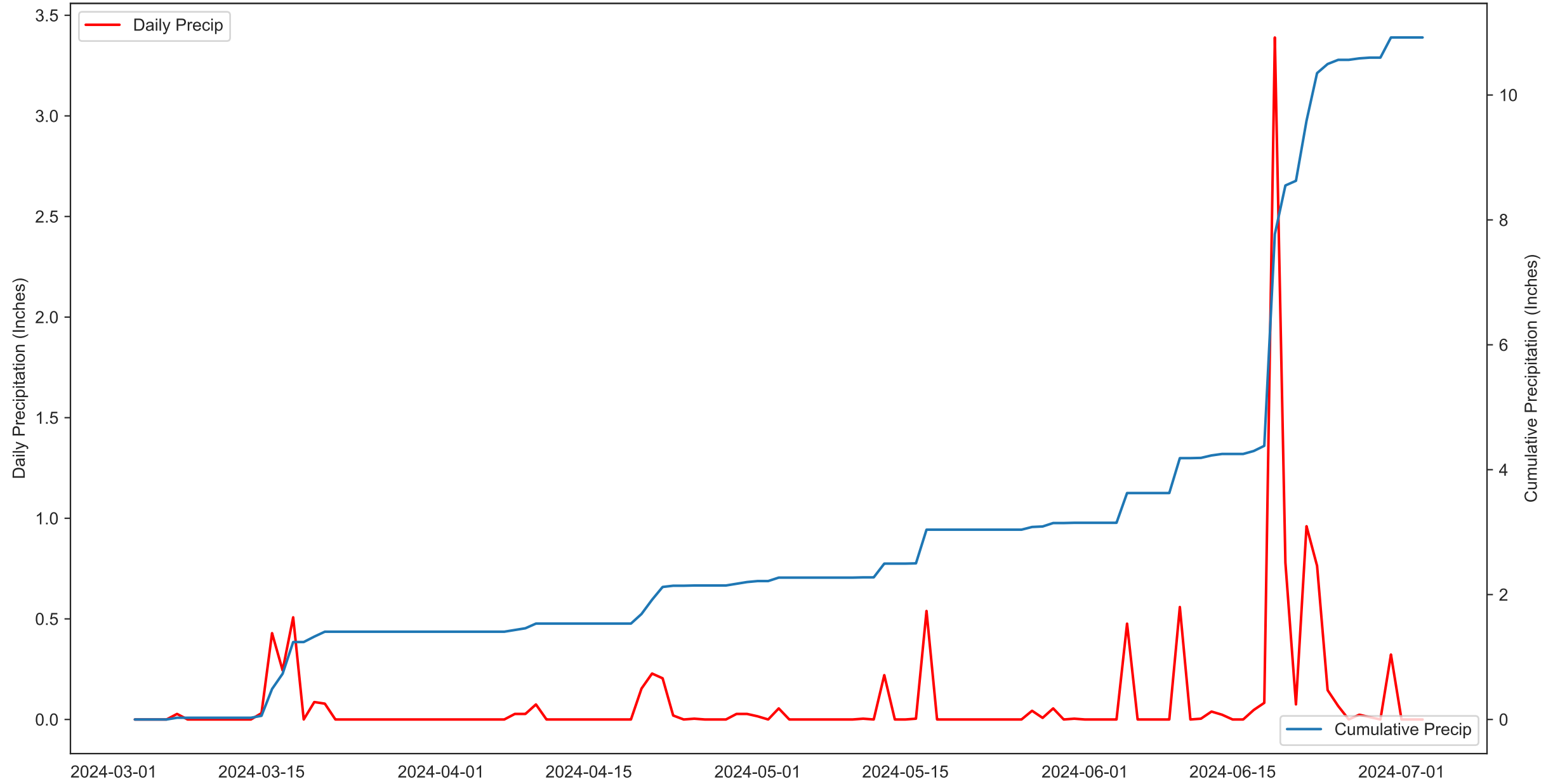
### Multi-Year Summary



Company	Brand	Hybrid	2 YR AVG Yield bu/Acre	3 YR AVG Yield bu/Acre
Bayer	DEKALB	DKC 68-35VT2	162	
Wilbur-Ellis Company	Integra	6624TRE	157	
Nutrien Ag	Dyna-Gro	D56TC44	152	
Wilbur-Ellis Company	Integra	6342TRE	152	158
Bayer	DEKALB	DKC 69-99TRE	147	164
Wilbur-Ellis Company	Integra	6641SS	145	156
Nutrien Ag	Dyna-Gro	D57TC29	142	155
Nutrien Ag	Dyna-Gro	D54VC14	137	141

Evaluation of yield across years and/or locations will provide the best indication of consistent hybrid performance. Only hybrids with two years data at each location are displayed.

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