



TEXAS A&M UNIVERSITY
Soil & Crop Sciences

Monte Alto 2021 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	D54SS34	Genuity SmartStax	61	69	30	N/A	14.7	60.9	141
Dyna-Gro	D58SS65	Genuity SmartStax	61	66	31	N/A	14.9	61.2	134
Integra	CX001117	Genuity Trecepta	60	69	29	N/A	14.5	59.5	133
Dyna-Gro	D57VC51	Genuity VT Double PRO	60	68	30	N/A	14.7	60.5	133
Dyna-Gro	D57TC29	Genuity Trecepta	61	64	28	N/A	14.0	58.7	127
Integra	6621	Genuity DG VT Double PRO	60	65	31	N/A	14.6	60.2	126
Integra	6410	SmartStax	61	63	30	N/A	14.7	60.5	125
Integra	6533	Genuity VT Double PRO	59	68	26	N/A	15.4	60.7	124
Integra	6695	Genuity Trecepta	60	64	30	N/A	14.4	60.9	124
LG Seeds	68C88	Genuity VT Double PRO	61	66	29	N/A	15.3	62.0	122
Integra	6720	Genuity DG VT Double PRO	63	64	29	N/A	15.1	61.7	120
Dyna-Gro	D53TC19	Genuity Trecepta	59	61	28	N/A	13.8	59.6	120
Dyna-Gro	D58VC22	Genuity VT Double PRO	60	63	30	N/A	14.9	61.1	119
DEKALB	DKC 69-99	Genuity Trecepta	61	68	29	N/A	16.1	62.7	118
Dyna-Gro	D54VC14	Genuity VT Double PRO	59	64	29	N/A	14.8	60.6	118
LG Seeds	66C44	Genuity VT Double PRO	61	65	31	N/A	14.5	61.4	118
Integra	6342	Genuity Trecepta	60	64	25	N/A	15.0	58.9	117
LG Seeds	64C30	Genuity Trecepta	58	64	29	N/A	14.5	60.5	114
Integra	6641	SmartStax	60	64	29	N/A	14.9	60.0	114
Integra	6540	Genuity Trecepta	60	64	26	N/A	14.9	59.4	109
Integra	6811	Genuity VT Double PRO	61	68	31	N/A	16.0	62.2	102

*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	60	65	29	14.8	60.6	122
Plant Date	3/7/2021		C.V. %	2.0	7.0	11.4	4.4	0.9	12.7
Harvest Date	8/12/2021		P>f (hybrid)	0.001	0.553	0.348	0.001	0.000	0.170
Irrigated	Yes		L.S.D.	1.7			0.9	0.8	
Row Spacing (in)	30		Trial Notes						
Number of Rows	2		Cooperator <input type="text" value="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 January 1 through the harvest date.						
Precipitation (in)	26		For additional information contact: Dr. Ronnie Schnell / Katrina Horn ronschnell@tamu.edu / khorn@tamu.edu 979-845-2935 / 979-845-8505						
Irrigation (in)	12		* Mehlich 3 by ICP, soiltesting.tamu.edu ** Samples collected at planting, some locations may have applied fertilizer						
Herbicide	<input type="text" value="3/11: Dual + Atrazine"/>		Fertilizer Applied			Soil Analysis Report**			
Soil Type	<input type="text" value="Raymondville clay loam"/>		N (lb/ac)	<input type="text" value="210"/>	NO3-N (ppm)	<input type="text"/>	pH	<input type="text"/>	
Tillage	<input type="text" value="Conventional"/>		P2O5 (lb/ac)	<input type="text" value="56"/>	P (ppm)*	<input type="text"/>	Conductivity (umho/cm)	<input type="text"/>	
Previous Crop	<input type="text" value="Cotton"/>		K2O (lb/ac)	<input type="text" value="0"/>	K (ppm)*	<input type="text"/>	Ca (ppm)*	<input type="text"/>	
			S (lb/ac)	<input type="text" value="0"/>	S (ppm)*	<input type="text"/>	Mg (ppm)*	<input type="text"/>	
			Zn (lb/ac)	<input type="text" value="0"/>			Na (ppm)*	<input type="text"/>	

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