

Monte Alto 2020 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)
LG Seeds	5701	Genuity VT Double PRO	61	85	31	N/A	13.6	60.2	194
Dyna-Gro	D57VC51	Genuity VT Double PRO	63	85	34	N/A	13.6	60.0	189
AgraTech	AT-1720C	Conventional	61	85	34	N/A	13.4	60.4	186
Pioneer	P1903		61	90	36	N/A	13.3	59.7	184
Integra	6533	Genuity VT Double PRO	60	84	33	N/A	13.6	60.5	182
Integra	6540	Genuity Trecepta	60	84	34	N/A	12.1	57.8	181
LG Seeds	68C59		62	92	35	N/A	13.4	59.4	179
Dyna-Gro	D53TC19	Genuity Trecepta	60	84	34	N/A	12.6	58.8	178
LG Seeds	64C30	Genuity Trecepta	60	85	33	N/A	13.4	59.8	177
Integra	6621	Genuity DG VT Double PRO	60	86	31	N/A	12.7	58.8	175
Dyna-Gro	D54VC14	Genuity VT Double PRO	61	86	31	N/A	12.7	58.5	174
Integra	6695	Genuity Trecepta	60	84	33	N/A	13.1	60.4	172
Integra	6588	Genuity VT Double PRO	61	89	35	N/A	13.9	61.0	171
Integra	6720	Genuity DG VT Double PRO	64	84	34	N/A	13.7	61.7	170
Integra	6410	SmartStax	60	85	30	N/A	12.5	58.2	170
Dyna-Gro	D58SS65	Genuity SmartStax	60	83	33	N/A	13.5	60.6	169
LG Seeds	66C32	Genuity VT Double PRO	62	83	31	N/A	13.2	59.6	167
LG Seeds	67C45	SmartStax	61	86	35	N/A	13.3	60.6	166
Dyna-Gro	D55VC80	Genuity VT Double PRO	62	84	32	N/A	12.6	58.9	165
AgraTech	AT-1640C	Conventional	62	86	35	N/A	13.0	59.9	162

*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	61	85	33	13.2	59.7	176
Plant Date	2/18/2020		C.V. %	1.3	2.6	7.0	3.0	1.1	3.2
Harvest Date	7/2/2020		P>f (hybrid)	0.000	0.000	0.018	0.000	0.000	0.000
Irrigated	Yes		L.S.D.	1.1	3.1	3.3	0.6	1.0	8.1
Row Spacing (in)	30	Trial Notes							
Number of Rows	2	*Pre-watered early February							
Seeds per Acre	30,000	*Irrigated 4/1/20							
Precipitation (in)	8.41	*Irrigated 5/1/20							
Irrigation (in)		Cooperator Texas AgriScience							
Herbicide	1.66 pt/ac Dual + 1.5 lb/ac Atrazine at planting	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. For additional information contact: Dr. Ronnie Schnell / Katrina Horn ronschnell@tamu.edu / khorn@tamu.edu							
Soil Type	Clay loam	Fertilizer Applied		Soil Analysis Report**					
Tillage	Conventional	N (lb/ac)	228	NO3-N (ppm)	25	pH	8.0		
Previous Crop	Cotton	P2O5 (lb/ac)	56	P (ppm)*	33	Conductivity (umho/cm)	530		
		K2O (lb/ac)	0	K (ppm)*	539	Ca (ppm)*	5,794		
		S (lb/ac)		S (ppm)*	79	Mg (ppm)*	394		
		Zn (lb/ac)				Na (ppm)*	138		

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