

College Station 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)
Dyna-Gro	D54VC14	Genuity VT Double PRO	67	85	32	28,946	13.6	58.8	179
LG Seeds	67C45	SmartStax	69	93	37	29,017	15.4	59.3	176
Progeny	PGY9117	Genuity VT Double PRO	68	89	31	29,298	13.9	59.8	172
Integra	6720	Genuity DG VT Double PRO	70	89	34	29,017	14.4	59.9	171
Pioneer	P1903		70	95	33	29,789	13.1	57.2	170
Integra	6410	SmartStax	67	87	31	29,930	13.8	59.5	170
Integra	6588	Genuity VT Double PRO	69	89	34	27,752	14.6	59.7	169
Integra	6540	Genuity Trecepta	66	83	32	27,471	13.2	57.7	168
Dyna-Gro	D58SS65	Genuity SmartStax	69	88	31	29,579	14.5	59.1	168
Progeny	EXP2018	SmartStax	71	91	36	28,736	15.7	60.9	167
Progeny	EXP1913	Genuity VT Double PRO	68	86	33	28,244	13.6	57.6	166
Integra	6695	Genuity Trecepta	66	88	32	29,087	14.4	60.3	166
LG Seeds	5701	Genuity VT Double PRO	69	92	34	29,368	13.5	57.9	164
Dyna-Gro	D53TC19	Genuity Trecepta	65	85	32	26,768	13.0	57.8	163
Progeny	EXP1915	SmartStax	68	87	32	29,087	14.6	59.7	160
Progeny	PGY2025	Genuity DG VT Double PRO	67	88	33	28,876	12.7	57.6	158
Integra	6621	Genuity DG VT Double PRO	67	88	34	28,455	12.9	57.3	158
Progeny	PGY2012	Genuity VT Double PRO	69	86	30	29,227	12.5	56.7	157
Progeny	PGY9114	Genuity VT Double PRO	67	85	31	28,173	13.9	59.0	157
LG Seeds	64C30	Genuity Trecepta	66	88	33	28,314	13.8	58.0	157
Integra	6533	Genuity VT Double PRO	67	88	34	28,244	13.5	58.3	157

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

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Progeny	PGY8116	SmartStax	71	87	35	29,368	14.3	59.4	156
Progeny	PGY2015	Genuity VT Double PRO	68	91	34	25,223	14.0	60.4	156
Progeny	EXP1912	Genuity VT Double PRO	67	89	32	28,525	12.1	57.1	154
LG Seeds	66C32	Genuity VT Double PRO	68	81	29	28,173	13.6	58.7	152
Dyna-Gro	D55VC80	Genuity VT Double PRO	69	90	35	27,752	14.1	58.8	152
LG Seeds	68C59		71	98	34	29,649	12.5	56.3	150
Dyna-Gro	D57VC51	Genuity VT Double PRO	69	94	33	28,033	13.0	57.3	150
AgraTech	AT-1640C	Conventional	69	93	37	27,682	13.3	58.5	150
Progeny	EXP2015	SmartStax	68	89	32	28,876	13.1	59.1	146
AgraTech	AT-1720C	Conventional	68	88	32	27,822	13.2	57.7	145
Progeny	EXP1917	Genuity Trecepta	68	88	32	20,305	14.2	59.3	130

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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)		
Agronomic information			Mean	68	88	33	28,274	13.7	58.6	160	
Plant Date	3/10/2020		C.V. %	1.4	3.2	6.0	5.9	4.4	1.3	12.3	
Harvest Date	8/4/2020		P>f (hybrid)	0.000	0.000	0.000	0.000	0.000	0.000	0.330	
Irrigated	Yes		L.S.D.	1.3	3.9	2.8	2,326.9	0.8	1.1		
Row Spacing (in)	30		Trial Notes							Cooperator	Texas A&M AgriLife
Number of Rows	2		*Furrow irrigated 5/8, 6/3, and 6/19							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.	
Seeds per Acre	30,000		*Charcoal rot resulted in premature death and variation in yield								
Precipitation (in)	18.8										
Irrigation (in)	7.5										
Herbicide	3/18/20: 1 qt/ac Atrazine + 1.33 pt/ac Dual II Magnum. 4/1/20: 14 oz/ac Outlook.									For additional information contact: Dr. Ronnie Schnell / Katrina Horn ronschnell@tamu.edu / khorn@tamu.edu 979-845-2935 / 979-845-8505	
Soil Type	Silty clay loam		Fertilizer Applied		Soil Analysis Report**						
Tillage	Conventional		N (lb/ac)	250	NO3-N (ppm)	18	pH	7.9			
Previous Crop	Soybeans		P2O5 (lb/ac)	35	P (ppm)*	73	Conductivity (umho/cm)	133			
			K2O (lb/ac)	0	K (ppm)*	171	Ca (ppm)*	5,940			
			S (lb/ac)	15	S (ppm)*	13	Mg (ppm)*	179			
			Zn (lb/ac)	0			Na (ppm)*	33			

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