

Wharton 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)
LG Seeds	5701	Genuity VT Double PRO	72	85	30	23,522	15.0	58.4	188
Dyna-Gro	D57VC51	Genuity VT Double PRO	70	81	30	23,522	14.9	58.4	182
Dyna-Gro	D58VC22	Genuity VT Double PRO	69	86	31	23,196	14.8	59.0	179
Progeny	PGY8116VT2P	Genuity DG VT Double PRO	70	78	33	25,483	15.3	59.3	177
DEKALB	DKC 69-99	Genuity Trecepta	69	81	32	24,176	15.8	60.0	177
Integra	6641	SmartStax	69	83	30	23,522	15.1	58.2	176
Dyna-Gro	D54VC14	Genuity VT Double PRO	68	81	31	24,176	14.8	58.8	176
Progeny	PGY2118	Genuity VT Double PRO	72	80	29	22,216	15.9	59.7	175
Integra	6533	Genuity VT Double PRO	68	80	32	24,176	15.0	58.5	174
LG Seeds	68C88	Genuity VT Double PRO	69	83	33	24,176	15.2	59.7	174
Pioneer	P1847	Leptra	74	86	31	23,522	15.2	58.4	173
Integra	CX001117	Genuity Trecepta	71	83	29	24,829	14.4	56.7	173
Dyna-Gro	D54SS34	Genuity SmartStax	72	84	33	23,522	14.6	58.8	172
Integra	6720	Genuity DG VT Double PRO	74	81	33	23,522	15.2	59.5	171
Integra	6342	Genuity Trecepta	69	80	32	24,176	13.9	56.2	171
Dyna-Gro	D53TC19	Genuity Trecepta	68	78	31	23,849	14.4	57.3	171
LG Seeds	64C30	Genuity Trecepta	68	82	32	21,562	14.7	58.1	169
Progeny	PGY2015	Genuity VT Double PRO	69	82	34	22,651	14.6	58.8	169
Integra	6695	Genuity Trecepta	70	79	31	24,829	15.4	59.4	169
Progeny	EXP115	Genuity Trecepta	70	85	33	24,829	14.8	58.5	169
Dyna-Gro	D58SS65	Genuity SmartStax	72	79	28	22,869	15.4	59.2	168

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



TEXAS A&M UNIVERSITY
Soil & Crop Sciences

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Integra	6621	Genuity DG VT Double PRO	69	79	33	23,849	15.0	58.0	167
Progeny	PGY8116SSX	SmartStax	71	82	33	23,740	15.3	59.8	167
Pioneer	P1506	Optimum Intrasect	69	83	29	24,176	15.0	58.6	166
Progeny	PGY2025	Genuity DG VT Double PRO	69	81	31	24,176	14.8	57.7	166
Dyna-Gro	D57TC29	Genuity Trecepta	69	84	30	23,522	13.9	56.4	166
LG Seeds	66C44	Genuity VT Double PRO	71	80	30	24,176	14.8	58.6	164
Integra	6540	Genuity Trecepta	68	77	30	22,542	14.4	57.0	164
Integra	6410	SmartStax	70	78	29	22,869	15.7	58.8	161
Integra	6811	Genuity VT Double PRO	73	79	29	24,176	15.7	59.3	161

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Agronomic information			Mean	70	81	31	23,718	15.0	58.5	171	
Plant Date	3/9/2021		C.V. %	2.0	2.5	6.1	4.0	2.0	0.6	3.4	
Harvest Date	8/12/2021		P>f (hybrid)	0.000	0.000	0.001	0.268	0.000	0.000	0.000	
Irrigated	No		L.S.D.	2.0	2.9	2.7		0.4	0.5	8.2	
Row Spacing (in)	40		Trial Notes							Cooperator	Larry & Clint Kalina
Number of Rows	2		<p>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.</p> <p>For additional information contact: Dr. Ronnie Schnell / Katrina Horn ronschnell@tamu.edu / khorn@tamu.edu 979-845-2935 / 979-845-8505</p>								
Target Seeds per Acre	24,000										
Precipitation (in)	40.6										
Irrigation (in)											
Herbicide			<p>* Mehlich 3 by ICP, soiltesting.tamu.edu ** Samples collected at planting, some locations may have applied fertilizer</p>								
Soil Type	Clemville silty clay loam		Fertilizer Applied			Soil Analysis Report**					
Tillage	Conventional, planted on beds		N (lb/ac)		NO3-N (ppm)	9	pH		7.7		
Previous Crop	Corn		P2O5 (lb/ac)		P (ppm)*	20	Conductivity (umho/cm)		165		
			K2O (lb/ac)		K (ppm)*	190	Ca (ppm)*		11,788		
			S (lb/ac)		S (ppm)*	10	Mg (ppm)*		245		
			Zn (lb/ac)				Na (ppm)*		8		

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