



TEXAS A&M UNIVERSITY
Soil & Crop Sciences

Spearman 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)
Integra	CX001117	Genuity Trecepta	74	114	44	32,452	15.4	58.9	309
Dyna-Gro	D57TC29	Genuity Trecepta	72	119	44	30,492	15.4	58.9	308
LG Seeds	68C59	N/A	74	114	40	31,363	15.7	57.6	308
LG Seeds	66C32	Genuity VT Double PRO	74	111	48	31,581	15.7	60.3	303
DEKALB	DKC 69-99	Genuity Trecepta	74	113	50	31,073	15.1	60.6	303
Integra	6720	Genuity SmartStax	74	115	49	32,017	15.3	60.4	302
Progeny	PGY2118	Genuity VT Double PRO	74	114	46	33,106	17.2	60.6	301
Progeny	PGY8116SSX	SmartStax	74	115	49	31,654	14.7	60.5	300
Integra	6641	SmartStax	72	112	47	31,944	17.1	59.4	300
LG Seeds	62C52	Genuity Trecepta	73	107	43	32,815	13.2	59.3	298
LG Seeds	66C44	Genuity VT Double PRO	74	115	49	32,525	13.4	60.0	294
Dyna-Gro	D55VC80	Genuity VT Double PRO	74	114	48	32,234	13.9	58.8	294
Progeny	PGY8116VT2P	Genuity VT Double PRO	74	112	48	31,363	15.6	60.5	293
LG Seeds	64C30	Genuity Trecepta	72	113	46	30,056	13.7	60.5	290
LG Seeds	5643	Genuity VT Double PRO RIB	72	115	45	33,541	13.0	58.8	289
Progeny	PGY9117	Genuity VT Double PRO	73	112	46	31,581	15.5	60.2	286
Integra	6695	Genuity Trecepta	72	109	46	31,799	14.8	61.0	284
Progeny	EXP116	N/A	73	108	44	30,202	16.9	60.2	284
Dyna-Gro	D54SS34	Genuity SmartStax	74	111	48	32,815	14.7	60.6	283
Dyna-Gro	D58VC65	Genuity VT Double PRO	71	109	43	30,928	15.3	61.0	283
Integra	6621	Genuity SmartStax	72	109	46	31,073	14.5	59.7	280

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



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Integra	6410	SmartStax	72	105	41	32,525	14.4	60.2	276
Integra	6811	Genuity VT Double PRO	73	112	46	29,185	17.4	61.1	268
Integra	6555	Genuity VT Double PRO	72	110	47	32,017	11.7	57.8	264
Progeny	PGY2015	Genuity VT Double PRO	73	106	45	28,314	13.5	61.3	250

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Agronomic information			Mean	73	112	46	31,546	14.9	59.9	290
Plant Date	4/27/2021		C.V. %	1.1	2.4	3.3	5.1	3.2	0.7	3.9
Harvest Date	9/27/2021		P>f (hybrid)	0.000	0.000	0.000	0.274	0.000	0.000	0.000
Irrigated	Yes		L.S.D.	1.2	3.7	2.2		0.8	0.7	18.1
Row Spacing (in)	30		Trial Notes							
Number of Rows	2		*54 oz/ac Comite miticide + 5 oz/ac Zolera fungicide applied 7/17			Cooperator <input type="text" value="Travis Patterson"/>				
Target Seeds per Acre	32,000		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)	20.8		For additional information contact: Dr. Ronnie Schnell / Katrina Horn ronnie.schnell@agnet.tamu.edu / katrina.horn@agnet.tamu.edu 979-845-2935 / 979-845-8505							
Irrigation (in)	21		* Mehlich 3 by ICP, soiltesting.tamu.edu ** Samples collected at planting, some locations may have applied fertilizer							
Herbicide			Fertilizer Applied		Soil Analysis Report**					
Pre-plant: 3 oz/ac Panther + 16 oz/ac 2-4,D + 32 oz/ac Roundup. Pre-emerge: 3 oz/ac Balance Flexx + 32 oz/ac Atrazine + 8 oz/ac Banvel			N (lb/ac)	<input type="text" value="300"/>	NO3-N (ppm)	<input type="text" value="16"/>	pH	<input type="text" value="7.6"/>		
Soil Type <input type="text" value="Perryton silty clay loam"/>			P2O5 (lb/ac)	<input type="text" value="50"/>	P (ppm)*	<input type="text" value="62"/>	Conductivity (umho/cm)	<input type="text" value="227"/>		
Tillage <input type="text" value="Strip-till"/>			K2O (lb/ac)	<input type="text" value="0"/>	K (ppm)*	<input type="text" value="606"/>	Ca (ppm)*	<input type="text" value="3,135"/>		
Previous Crop <input type="text" value="Cotton, oats as cover crop"/>			S (lb/ac)	<input type="text" value="0"/>	S (ppm)*	<input type="text" value="13"/>	Mg (ppm)*	<input type="text" value="772"/>		
			Zn (lb/ac)	<input type="text" value="1"/>			Na (ppm)*	<input type="text" value="36"/>		

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