

Dumas

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)
DEKALB	DKC 69-99	Genuity Trecepta	83	107	49	31,799	19.8	58.7	272
LG Seeds	66C32	Genuity VT Double PRO	82	105	48	31,799	19.6	58.6	260
Dyna-Gro	D57TC29	Genuity Trecepta	83	110	45	30,492	20.2	56.6	254
Progeny	PGY8116VT2P	Genuity VT Double PRO	83	101	48	32,017	20.1	58.1	253
LG Seeds	68C59	N/A	84	112	46	29,185	18.6	55.9	253
Progeny	PGY2118	Genuity VT Double PRO	83	105	48	32,888	21.6	58.5	251
Integra	6410	SmartStax	80	99	44	33,106	17.7	60.0	251
Integra	CX001117	Genuity Trecepta	82	108	43	30,928	19.6	56.9	251
LG Seeds	66C44	Genuity VT Double PRO	83	108	50	31,581	17.8	58.3	250
Dyna-Gro	D58VC65	Genuity VT Double PRO	82	103	45	30,928	18.8	58.3	248
Dyna-Gro	D54SS34	Genuity SmartStax	84	106	45	29,403	20.4	58.8	247
Integra	6641	SmartStax	83	103	47	30,928	21.8	56.6	246
Progeny	EXP116	N/A	83	103	44	29,403	22.9	58.1	245
Integra	6811	Genuity VT Double PRO	84	105	48	30,274	21.0	58.7	244
Dyna-Gro	D55VC80	Genuity VT Double PRO	84	108	47	32,017	19.0	57.4	243
Integra	6720	Genuity SmartStax	84	105	47	28,532	21.9	57.9	240
Progeny	PGY9117	Genuity VT Double PRO	83	106	45	30,928	19.7	58.3	239
LG Seeds	62C52	Genuity Trecepta	80	103	45	30,056	15.5	57.5	237
Integra	6621	Genuity SmartStax	81	104	46	30,056	18.9	58.8	237
Integra	6555	Genuity VT Double PRO	81	101	45	30,274	15.8	57.4	226
Progeny	PGY8116SSX	SmartStax	84	107	49	30,274	21.7	58.1	224

*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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LG Seeds	64C30	Genuity Trecepta	80	105	47	28,967	16.9	59.3	215
LG Seeds	5643	Genuity VT Double PRO RIB	81	102	45	28,096	16.7	57.7	212
Progeny	PGY2015	Genuity VT Double PRO	81	99	43	27,878	16.4	59.8	211
Integra	6695	Genuity Trecepta	81	103	45	29,185	21.0	57.7	187

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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	82	105	46	30,440	19.3	58.1	240	
Plant Date	4/27/2021		C.V. %	1.7	2.4	4.1	6.5	7.0	1.2	7.0	
Harvest Date	9/28/2021		P>f (hybrid)	0.000	0.000	0.000	0.012	0.000	0.000	0.000	
Irrigated	Yes		L.S.D.	1.9	3.5	2.7	2,793.8	1.9	1.0	23.9	
Row Spacing (in)	30		Trial Notes							Cooperator	Lone Star Family Farms
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 ronnie.schnell@agnet.tamu.edu / katrina.horn@agnet.tamu.edu 979-845-2935 / 979-845-8505</p>								
Target Seeds per Acre	32,000										
Precipitation (in)	16.8										
Irrigation (in)											
Herbicide			<p>* Mehlich 3 by ICP, soiltesting.tamu.edu ** Samples collected at planting, some locations may have applied fertilizer</p>								
Soil Type	Sherm clay loam		Fertilizer Applied			Soil Analysis Report**					
Tillage	Strip-till		N (lb/ac)		NO3-N (ppm)	43	pH		7.8		
Previous Crop	Corn		P2O5 (lb/ac)		P (ppm)*	66	Conductivity (umho/cm)		412		
			K2O (lb/ac)		K (ppm)*	684	Ca (ppm)*		4,544		
			S (lb/ac)		S (ppm)*	10	Mg (ppm)*		1,072		
			Zn (lb/ac)				Na (ppm)*		53		

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