



TEXAS A&M UNIVERSITY
Soil & Crop Sciences

Thrall

2022 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)
Progeny	PGY8116SS	SmartStax	70	65	24	22,202	8.6	53.8	65
Integra	6641SS	SmartStax	68	68	23	23,607	8.0	52.2	64
Integra	6410SS	SmartStax	67	63	20	20,445	8.6	53.4	62
Dyna-Gro	D58SS65	Genuity SmartStax	72	66	20	21,429	8.4	53.4	60
Progeny	PGY9117VT2P	Genuity VT Double PRO	69	69	22	22,342	8.3	53.4	59
DEKALB	DKC 69-99TRE	Genuity Trecepta	70	74	25	22,904	8.2	53.0	56
Progeny	PGY2118VT2P	Genuity VT Double PRO	71	70	24	21,991	8.9	54.5	55
Dyna-Gro	D53TC19	Genuity Trecepta	68	67	21	19,860	8.1	50.8	55
Integra	6493VT	Genuity VT Double PRO	68	65	20	21,265	8.2	52.5	55
Integra	6342TRE	Genuity Trecepta	68	67	22	20,047	7.7	50.8	54
LG Seeds	65C14TRC	Genuity Trecepta	68	67	20	23,326	7.8	51.6	54
LG Seeds	67C07VT2PRO	Genuity DG VT Double PRO	70	68	22	23,138	8.3	53.4	53
Integra	6695TRE	Genuity Trecepta	67	65	23	23,185	8.5	53.8	52
Integra	6533VT	Genuity VT Double PRO	69	66	25	19,602	8.1	52.7	52
Dyna-Gro	D54VC14	Genuity VT Double PRO	67	64	20	24,309	8.4	53.6	50
LG Seeds	5701VT2PRO	Genuity VT Double PRO	71	71	23	23,045	7.7	51.6	50
Progeny	PGY2215TRE	Genuity Trecepta	71	76	23	19,298	8.0	51.8	49
Dyna-Gro	D57TC29	Genuity Trecepta	68	67	20	23,326	7.7	51.5	48
Dyna-Gro	D57VC53	Genuity VT Double PRO	68	67	22	22,576	8.9	54.0	47
LG Seeds	64C30TRC	Genuity Trecepta	68	64	22	20,609	8.1	52.1	47
Integra	6811VT	Genuity VT Double PRO	71	72	24	19,953	9.0	54.1	45

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



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Dyna-Gro	D57VC51	Genuity VT Double PRO	72	70	24	22,131	7.9	51.9	44
LG Seeds	67C91VT2PRO	Genuity VT Double PRO	72	68	23	19,813	9.0	53.9	43
Integra	6720SS	Genuity SmartStax	73	68	24	22,108	8.5	53.3	43
Integra	CX001117TRE	Genuity Trecepta	70	70	18	21,265	7.7	51.5	40
LG Seeds	68C88VT2PRO	Genuity VT Double PRO	71	68	23	20,890	8.4	52.8	35

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Agronomic information			Mean	69	68	22	21,718	8.3	52.7	51																																				
Plant Date	3/16/2022		C.V. %	2.5	5.5	11.5	13.5	3.9	1.3	20.3																																				
Harvest Date	8/2/2022		P>f (hybrid)	0.000	0.007	0.058	0.842	0.000	0.000	0.002																																				
Irrigated	No		L.S.D.	2.8	6.0			0.5	1.1	11.4																																				
Row Spacing (in)	30		Trial Notes			Cooperator Stiles Farm Foundation																																								
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	24,000																																													
Precipitation (in)	13.5																																													
Irrigation (in)																																														
Herbicide	1 qt/ac Roundup + 1.33 pt/ac Dual + 2 lb/ac Atrazine		* Mehlich 3 by ICP, soiltesting.tamu.edu			<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #f2f2f2;"> <th colspan="2">Fertilizer Applied</th> <th colspan="4">Soil Analysis Report**</th> </tr> </thead> <tbody> <tr> <td>N (lb/ac)</td> <td style="text-align: center;">150</td> <td>NO3-N (ppm)</td> <td style="text-align: center;">3</td> <td>pH</td> <td style="text-align: center;">6.1</td> </tr> <tr> <td>P2O5 (lb/ac)</td> <td style="text-align: center;">0</td> <td>P (ppm)*</td> <td style="text-align: center;">43</td> <td>Conductivity (umho/cm)</td> <td style="text-align: center;">122</td> </tr> <tr> <td>K2O (lb/ac)</td> <td style="text-align: center;">0</td> <td>K (ppm)*</td> <td style="text-align: center;">163</td> <td>Ca (ppm)*</td> <td style="text-align: center;">5,266</td> </tr> <tr> <td>S (lb/ac)</td> <td style="text-align: center;">0</td> <td>S (ppm)*</td> <td style="text-align: center;">11</td> <td>Mg (ppm)*</td> <td style="text-align: center;">542</td> </tr> <tr> <td>Zn (lb/ac)</td> <td style="text-align: center;">0</td> <td></td> <td></td> <td>Na (ppm)*</td> <td style="text-align: center;">19</td> </tr> </tbody> </table>					Fertilizer Applied		Soil Analysis Report**				N (lb/ac)	150	NO3-N (ppm)	3	pH	6.1	P2O5 (lb/ac)	0	P (ppm)*	43	Conductivity (umho/cm)	122	K2O (lb/ac)	0	K (ppm)*	163	Ca (ppm)*	5,266	S (lb/ac)	0	S (ppm)*	11	Mg (ppm)*	542	Zn (lb/ac)	0			Na (ppm)*	19
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Soil Type	Burleson clay		** Samples collected at planting, some locations may have applied fertilizer																																											
Tillage	Conventional																																													
Previous Crop	Grain Sorghum																																													

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