

## Bardwell 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	6342	Genuity Trecepta	77	91	33	N/A	15.3	57.5	167
Integra	6811	Genuity VT Double PRO	80	91	34	N/A	17.6	58.9	151
Integra	6641	SmartStax	78	89	32	N/A	15.6	58.8	146
LG Seeds	64C30	Genuity Trecepta	77	91	32	N/A	15.1	58.5	142
Integra	CX001117	Genuity Trecepta	79	97	28	N/A	15.2	57.9	142
Dyna-Gro	D57TC29	Genuity Trecepta	78	96	33	N/A	15.0	58.0	141
Dyna-Gro	D54VC14	Genuity VT Double PRO	78	87	28	N/A	15.5	59.4	139
LG Seeds	68C88	Genuity VT Double PRO	81	93	33	N/A	17.8	58.8	135
Integra	6410	SmartStax	80	85	29	N/A	14.9	59.3	128
Dyna-Gro	D53TC19	Genuity Trecepta	77	92	34	N/A	14.2	58.8	128
Dyna-Gro	D58SS65	Genuity SmartStax	82	87	29	N/A	15.9	59.1	127
DEKALB	DKC 69-99	Genuity Trecepta	79	93	33	N/A	18.2	59.2	126
Integra	6695	Genuity Trecepta	77	92	32	N/A	15.5	59.3	124
LG Seeds	66C44	Genuity VT Double PRO	82	95	36	N/A	16.2	58.5	124
Integra	6621	Genuity DG VT Double PRO	79	93	34	N/A	15.5	58.5	123
Dyna-Gro	D58VC22	Genuity VT Double PRO	80	93	30	N/A	15.7	58.8	120
Integra	6720	Genuity DG VT Double PRO	82	91	34	N/A	17.0	58.9	117
Integra	6540	Genuity Trecepta	77	93	34	N/A	13.8	58.4	111
Dyna-Gro	D54SS34	Genuity SmartStax	84	89	30	N/A	15.3	57.8	103
Integra	6533	Genuity VT Double PRO	79	89	31	N/A	15.8	58.1	100
Dyna-Gro	D57VC51	Genuity VT Double PRO	79	91	28	N/A	14.6	57.5	93

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



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<b>Agronomic information</b>			Mean	79	91	32	15.7	58.6	128
Plant Date	3/15/2021		C.V. %	1.5	3.3	8.0	4.9	0.8	11.5
Harvest Date	8/17/2021		P>f (hybrid)	0.000	0.000	0.000	0.000	0.000	0.000
Irrigated	No		L.S.D.	1.7	4.2	3.6	1.1	0.7	22.1
Row Spacing (in)	30		<b>Trial Notes</b>						
Number of Rows	2		Cooperator <b>Bob &amp; Steven Beakley</b>						
Target Seeds per Acre	24,000		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)	29.3		For additional information contact: Dr. Ronnie Schnell / Katrina Horn ronschnell@tamu.edu / khorn@tamu.edu 979-845-2935 / 979-845-8505						
Irrigation (in)			* Mehlich 3 by ICP, soiltesting.tamu.edu ** Samples collected at planting, some locations may have applied fertilizer						
Herbicide									
2.5 oz/ac Zidua at planting			<b>Fertilizer Applied</b>			<b>Soil Analysis Report**</b>			
Soil Type	Branyon clay		N (lb/ac)	186	NO3-N (ppm)	41	pH	7.6	
Tillage	Conventional		P2O5 (lb/ac)	50	P (ppm)*	17	Conductivity (umho/cm)	420	
Previous Crop	Cotton		K2O (lb/ac)	18	K (ppm)*	380	Ca (ppm)*	17,322	
			S (lb/ac)	10	S (ppm)*	6	Mg (ppm)*	194	
			Zn (lb/ac)				Na (ppm)*	13	

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