TEXAS A&M UNIVERSITY
Soil & Crop Sciences

Thrall
2021 Corn
Performance Trial

TEXAS A&M AGRILIFE

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	71	88	34	26,572	11.0	57.5	195
Integra	6641	SmartStax	71	92	33	26,572	13.3	57.7	190
Dyna-Gro	D54SS34	Genuity SmartStax	73	90	34	26,136	12.1	59.8	190
DEKALB	DKC 69-99	Genuity Trecepta	72	93	35	25,047	14.1	59.9	188
Progeny	PGY2015	Genuity VT Double PRO	71	88	35	25,265	13.0	60.4	188
Integra	6533	Genuity VT Double PRO	71	89	34	24,394	13.2	58.2	187
Dyna-Gro	D54VC14	Genuity VT Double PRO	71	88	34	27,007	12.0	58.4	186
Dyna-Gro	D58VC22	Genuity VT Double PRO	72	94	34	24,829	13.5	58.5	186
Dyna-Gro	D53TC19	Genuity Trecepta	71	88	33	25,265	10.4	56.0	184
Progeny	EXP115	Genuity Trecepta	71	94	34	26,136	12.3	58.3	183
Integra	CX001117	Genuity Trecepta	71	93	34	26,136	10.8	56.0	182
Integra	6410	SmartStax	71	87	35	24,829	11.7	58.6	182
Integra	6811	Genuity VT Double PRO	73	90	34	26,354	13.7	60.0	181
Integra	6540	Genuity Trecepta	71	90	35	25,918	10.8	56.3	180
Dyna-Gro	D58SS65	Genuity SmartStax	72	90	33	25,047	12.9	57.9	180
Progeny	PGY8116VT2P	Genuity DG VT Double PRO	73	89	34	26,572	13.5	59.1	180
Progeny	PGY2025	Genuity DG VT Double PRO	71	90	35	25,700	12.0	56.6	180
Integra	6621	Genuity DG VT Double PRO	71	92	35	25,918	12.9	57.8	180
Dyna-Gro	D57VC51	Genuity VT Double PRO	73	93	34	24,611	13.8	57.5	180
Dyna-Gro	D57TC29	Genuity Trecepta	71	95	34	25,265	10.2	55.7	179
Integra	6720	Genuity DG VT Double PRO	74	89	36	27,225	13.6	59.6	179

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

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LG Seeds	64C30	Genuity Trecepta	70	93	34	26,789	11.0	56.4	179
Progeny	PGY2118	Genuity VT Double PRO	73	89	34	26,789	13.5	58.9	175
Progeny	PGY8116SSX	SmartStax	73	91	36	25,918	13.6	58.7	172
Integra	6695	Genuity Trecepta	70	90	34	23,958	12.3	59.2	169
LG Seeds	66C44	Genuity VT Double PRO	73	93	36	23,522	14.5	58.9	166

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	Mean		72	91	34	25,684	12.5	58.1	182
	C.V. %		0.9	2.8	6.3	6.5	5.3	1.2	6.0
	P>f (hybrid)		0.000	0.000	0.809	0.173	0.000	0.000	0.135
	L.S.D.		1.0	3.5			0.9	1.0	

Agronomic information

Plant Date	3/11/2021
Harvest Date	7/30/2021
Irrigated	No
Row Spacing (in)	30
Number of Rows	2
Seeds per Acre	24,000
Precipitation (in)	19
Irrigation (in)	

Herbicide

*Pre-emerge: 1 qt/ac Roundup + 14oz/ac Outlook + 4.5 oz/ac Explorer
*4/21: 1 qt/ac Roundup + 1.33 pt/ac Dual + 1 qt/ac Atrazine

Soil Type	Burleson clay
Tillage	Conventional
Previous Crop	Grain Sorghum

Trial Notes

Cooperator: Stiles Farm Foundation

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.

For additional information contact:
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* Mehlich 3 by ICP, soiltesting.tamu.edu
** Samples collected at planting, some locations may have applied fertilizer

Fertilizer Applied

N (lb/ac)	150
P2O5 (lb/ac)	65
K2O (lb/ac)	55
S (lb/ac)	15
Zn (lb/ac)	0

Soil Analysis Report**

NO3-N (ppm)	8	pH	5.4
P (ppm)*	51	Conductivity (umho/cm)	140
K (ppm)*	140	Ca (ppm)*	4,293
S (ppm)*	12	Mg (ppm)*	583
		Na (ppm)*	20

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