TEXAS A&M UNIVERSITY
Soil & Crop Sciences

Greenville
2022 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)
DEKALB	DKC 69-99TRE	Genuity Trecepta	71	71	29	28,750	8.4	54.4	80
Integra	6342TRE	Genuity Trecepta	70	70	26	25,582	6.7	51.3	80
Progeny	PGY8116SS	SmartStax	71	74	27	26,453	8.1	54.2	76
Integra	6695TRE	Genuity Trecepta	69	69	30	27,245	8.3	54.5	73
LG Seeds	68C88VT2PRO	Genuity VT Double PRO	70	74	28	25,661	8.4	54.4	73
Integra	6533VT	Genuity VT Double PRO	70	73	26	25,661	8.1	53.6	72
LG Seeds	65C14TRC	Genuity Trecepta	69	75	25	26,611	6.6	50.8	72
Dyna-Gro	D54VC14	Genuity VT Double PRO	69	74	23	27,482	8.2	54.5	71
Dyna-Gro	D53TC19	Genuity Trecepta	69	67	24	26,690	7.2	52.4	71
Integra	6493VT	Genuity VT Double PRO	70	77	25	26,849	7.3	53.3	71
Integra	6410SS	SmartStax	70	71	23	26,928	7.7	53.5	69
Dyna-Gro	D58SS65	Genuity SmartStax	71	69	21	26,849	8.2	54.1	68
LG Seeds	64C30TRC	Genuity Trecepta	69	72	26	27,166	7.1	52.2	68
Integra	6720SS	Genuity SmartStax	72	75	28	26,294	8.8	55.2	67
LG Seeds	67C07VT2PRO	Genuity DG VT Double PRO	70	72	29	26,136	8.0	53.8	66
Progeny	PGY2118VT2P	Genuity VT Double PRO	70	76	28	27,641	8.8	55.2	66
LG Seeds	67C91VT2PRO	Genuity VT Double PRO	71	71	24	27,958	8.3	54.5	65
Integra	6641SS	SmartStax	70	73	25	27,086	7.4	52.2	65
Progeny	PGY2215TRE	Genuity Trecepta	71	79	28	27,878	7.9	53.7	64
Integra	CX001117TRE	Genuity Trecepta	72	77	21	27,403	6.7	51.2	64
Dyna-Gro	D57TC29	Genuity Trecepta	71	76	24	27,482	6.7	51.0	64

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

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Integra	6811VT	Genuity VT Double PRO	70	70	25	23,681	8.8	55.3	62
Progeny	PGY9117VT2P	Genuity VT Double PRO	72	80	25	26,611	8.1	54.3	61
Dyna-Gro	D57VC53	Genuity VT Double PRO	71	75	24	24,790	8.4	54.7	59
LG Seeds	5701VT2PRO	Genuity VT Double PRO	71	72	24	26,849	6.5	50.4	51
Dyna-Gro	D57VC51	Genuity VT Double PRO	71	76	27	26,374	6.6	50.5	47

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	Mean		70	73	26	26,696	7.7	53.3	67
	C.V. %		0.8	5.8	12.7		5.2	1.5	12.5
	P>f (hybrid)		0.000	0.005	0.008		0.000	0.000	0.000
	L.S.D.		0.8	6.0	4.5		0.6	1.1	7.9

Agronomic information

Plant Date	3/28/2022
Harvest Date	9/14/2022
Irrigated	No
Row Spacing (in)	30
Number of Rows	2
Target Seeds per Acre	28,000
Precipitation (in)	22.7
Irrigation (in)	

Herbicide

1 qt/ac Atrazine pre-plant.
1 qt/ac Acuron post

Soil Type	Houston Black clay
Tillage	Conventional
Previous Crop	Wheat

Trial Notes

*5 gal/ac Impulse + CornQT applied in furrow during fall

Cooperator: Texas A&M AgriLife Research

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:
Dr. Ronnie Schnell / Katrina Horn
ronnie.schnell@agnet.tamu.edu / katrina.horn@agnet.tamu.edu
979-845-2935 / 979-845-8505

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

Fertilizer Applied

N (lb/ac)	177
P2O5 (lb/ac)	69
K2O (lb/ac)	0
S (lb/ac)	0
Zn (lb/ac)	0

Soil Analysis Report**

NO3-N (ppm)	38	pH	6.6
P (ppm)*	31	Conductivity (umho/cm)	187
K (ppm)*	266	Ca (ppm)*	5,782
S (ppm)*	8	Mg (ppm)*	274
		Na (ppm)*	67

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