TEXAS A&M UNIVERSITY
Soil & Crop Sciences

Gruver
2019 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)
Dyna-Gro	D55VC80	Genuity VT Double PRO	59	104	46	32,971	24.0	53.4	260
Integra	6533	Genuity VT Double PRO	58	102	48	32,204	23.5	54.0	255
Dyna-Gro	D51VC67	Genuity VT Double PRO	58	99	43	33,242	19.8	51.3	254
Progeny	PGY9117	Genuity VT Double PRO	59	103	46	33,104	24.6	54.6	254
Dyna-Gro	D58VC65	Genuity VT Double PRO	59	100	44	33,095	23.8	54.9	250
Progeny	PGY8116	SmartStax	61	101	48	34,523	25.6	54.8	250
Integra	6720	Genuity DG VT Double PRO	59	104	46	33,133	24.9	54.7	249
LG Seeds	67C45	SmartStax	60	102	46	33,382	25.1	55.0	248
Integra	6695	Genuity Trecepta	58	106	45	32,862	23.9	55.9	248
Dyna-Gro	D52VC15	Genuity VT Double PRO	59	102	43	32,571	20.7	55.0	247
Dyna-Gro	D53VC33	Genuity VT Double PRO	58	105	43	34,518	21.5	54.3	245
REV	25LPR26	Leptra	60	108	47	33,780	22.7	55.1	244
Progeny	PGY9114	Genuity VT Double PRO	58	102	44	33,352	21.2	54.9	243
Dyna-Gro	D52VC63	Genuity VT Double PRO	59	103	43	32,212	23.6	53.9	243
LG Seeds	64C30	Genuity Trecepta	58	106	46	33,841	24.4	55.0	242
LG Seeds	5643	Genuity VT Double PRO RIB	60	103	45	33,130	23.4	54.7	240
Dyna-Gro	D54VC14	Genuity VT Double PRO	59	102	43	32,745	22.8	54.9	239
Dyna-Gro	D57VC17	Genuity VT Double PRO	59	101	45	34,039	23.4	55.7	238
Integra	6410	SmartStax	59	97	40	32,111	23.9	55.0	238
Integra	6588	Genuity VT Double PRO	60	107	47	33,155	25.5	54.0	233
Integra	CX801115	Genuity DG VT Double PRO	58	105	43	33,282	23.2	55.3	233

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

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Progeny	EXP1915	SmartStax	60	100	43	33,779	24.3	56.9	232
REV	26BHR30	Optimum Intrasect	60	103	44	33,218	22.9	56.1	232
REV	24LPR70	Leptra	59	101	40	34,680	23.8	54.1	231
Dyna-Gro	D49VC70	Genuity VT Double PRO	58	103	45	33,649	18.8	53.0	230
Dyna-Gro	D52VC50	Genuity VT Double PRO	59	105	46	32,672	22.1	53.5	230
LG Seeds	66C32	Genuity VT Double PRO	59	100	43	32,068	24.1	55.2	229
Dyna-Gro	D53TC19	Genuity Trecepta	58	100	41	32,313	20.9	55.0	228
Progeny	EXP1913	Genuity VT Double PRO	59	102	44	34,539	21.7	53.7	228
Dyna-Gro	D55VC45	Genuity VT Double PRO	59	101	42	31,928	23.6	54.5	228
B-H Genetics	8721	N/A	60	104	43	33,311	25.5	54.7	227
Dyna-Gro	D54SS74	SmartStax	60	101	43	34,156	23.5	55.2	223
Dyna-Gro	D52VC91	Genuity VT Double PRO	59	105	46	32,975	22.0	55.8	220
Pioneer	P1395R	RR2	59	106	42	31,268	19.3	52.1	216
Dyna-Gro	D50VC30	Genuity VT Double PRO	57	104	44	32,718	19.3	54.6	204

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	Mean		59	103	44	33,158	22.9	54.6	237
	C.V. %		1.1	2.9	5.9	4.4	5.3	2.7	10.0
	P>f (hybrid)		0.000	0.001	0.002	0.355	0.000	0.183	0.735
	L.S.D.		0.9	4.3	3.8		2.0		

Agronomic information

Plant Date	6/11/2019
Harvest Date	10/16/2019
Irrigated	Yes
Row Spacing (in)	30
Number of Rows	2
Seeds per Acre	32,000
N (lb/ac)	200
P2O5 (lb/ac)	0
K2O (lb/ac)	0
Precipitation (in)	23.25
Irrigation (in)	18

Herbicide

32 oz/ac Roundup + 16 oz/ac Atrazine applied as initial burndown. 5/14: 32 oz Roundup + 16 oz Atrazine + Sharpen. Aerially applied pre-emerge: Roundup + Dual + Atrazine. 6/28: 32 oz Roundup + 16 oz Atrazine

Trial Notes

*One application aerially for mites
*Test had a later plant date with the first freeze occurring on 10/10/19.

Soil Type	Silty clay loam
Tillage	Strip-tilled in April
Previous Crop	Forage sorghum, grazed out

Cooperator: Dustin Borden

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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