AGRICULTURE & LIFE SCIENCES
TEXAS A&M UNIVERSITY

Department of Soil and Crop Sciences

Stratford
2018 Corn Performance Trial

TEXAS A&M AGRILIFE RESEARCH | EXTENSION

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	6533	Genuity VT Double PRO	72	97	40	29,569	19.5	57.9	262
REV	25LPR89	Leptra	74	97	43	31,027	19.2	57.0	261
Agventure	AV8614	Optimum Intrasect	75	102	42	26,974	20.4	55.8	260
REV	28LPR18	Leptra	76	103	43	27,583	21.0	55.3	259
LG Seeds	66C32	SmartStax	76	97	42	29,333	20.6	56.2	258
REV	25LPR26	Leptra	75	96	40	29,068	19.4	57.1	256
Hoegemeyer	HPT 8415	Optimum AcreMax (AM-R)	73	101	43	29,939	17.9	55.7	256
NuTech	5FB-4516	Optimum AcreMax (AM-R)	77	100	43	28,398	20.5	55.8	254
Hoegemeyer	HPT 8529	Optimum AcreMax (AM-R)	74	101	43	28,462	19.9	56.6	254
B-H Genetics	8660	Genuity VT Triple PRO	72	95	44	29,296	20.3	55.7	252
Integra	9678	Genuity VT Double PRO	74	93	43	28,608	20.6	56.2	251
Integra	6284	Genuity VT Double PRO	75	95	43	30,157	18.9	57.1	250
NuTech	5F713	Optimum AcreMax (AM-R)	75	98	41	30,463	19.2	57.0	249
DEKALB	DKC 62-08	Genuity SmartStax	73	90	43	28,228	19.0	56.1	249
REV	23LPR55	Leptra	73	96	39	28,943	18.5	56.9	249
LG Seeds	68C88	Genuity VT Double PRO	74	97	45	29,882	19.9	57.2	249
Integra	6474	Genuity VT Double PRO	73	99	47	27,494	19.3	56.2	246
Agventure	AV8513	Optimum Intrasect	76	96	40	29,874	19.5	55.3	246
REV	27LPR79	Leptra	77	102	44	29,068	22.4	57.1	246
Integra	6588	Genuity VT Double PRO	74	99	43	30,159	20.2	57.7	246
Progeny	PGY6116	Genuity VT Double PRO	75	97	42	28,191	22.0	53.6	245

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

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Progeny	PGY5115	Genuity VT Double PRO	74	96	40	28,441	19.8	56.1	243
Progeny	EXP1814		72	92	39	27,483	18.8	56.9	243
NuTech	E5FN-A714	Optimum AcreMax (AM-R)	75	96	41	29,487	17.9	56.9	241
Agventure	AV8915	Optimum Intrasect	74	98	42	31,241	19.9	57.2	238
Progeny	PGY6119	Genuity VT Double PRO	77	92	41	26,304	23.0	54.8	237
Mycogen	MY13M87	SmartStax	73	95	41	28,166	20.5	56.3	236
REV	24BHR99	Optimum Intrasect	75	98	40	28,859	20.8	55.9	235
Integra	6400	Genuity SmartStax	72	92	40	29,038	19.0	55.8	234
Progeny	PGY8116	SmartStax	77	97	42	27,576	21.5	56.3	234
Hoegemeyer	HPT 8556	Optimum AcreMax (AM-R)	75	101	40	27,557	19.5	56.8	231
Progeny	7118	Genuity VT Double PRO	75	100	45	26,751	19.8	56.3	229
Mycogen	MY09V46	Powercore	73	91	39	29,822	18.2	55.0	227
Mycogen	MY12G38	SmartStax	78	95	38	27,728	21.2	54.4	225
NuTech	5FB-1211	Optimum AcreMax (AM-R)	76	95	35	28,314	20.2	55.1	210

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	Mean		74	97	41	28,785	19.9	56.2	245
	C.V. %		3.0	4.4	10.2	6.5	5.7	1.8	6.1
	P>f (hybrid)		0.002	0.000	0.283	0.029	0.000	0.000	0.000
	L.S.D.		3.1	5.9		2,610.0	1.6	1.4	21.0

Agronomic information

Plant Date	5/1/2018
Harvest Date	10/4/2018
Irrigated	Yes
Row Spacing (in)	30
Number of Rows	2
Seeds per Acre	32,000
N (lb/ac)	243
P2O5 (lb/ac)	16
K2O (lb/ac)	0
Precipitation (in)	11.83
Irrigation (in)	

Herbicide

Trial Notes

*Breakfree ATZ lite @ 1qt/ac + Sentrallis @ 10 oz/ac applied pre plant. Cinch ATZ @ 2 qt/ac + Abundit Edge @ 32 oz/A applied at planting. RealmQ @ 4 oz/ac + Abundit Edge @ 32 oz/ac + Strut @ 6 oz/ac applied post emerge

*Comite applied at 2 pt/ac
*2.5 lb/ac Sulfur applied

Soil Type	Clay loam
Tillage	Strip-till
Previous Crop	Forage Sorghum

Cooperator: Lonestar Family Farms

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 Almaco meter units on a JD Max-Emerge II 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.

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