



Department of Soil and Crop Sciences

Port Lavaca 2018 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)
Legend	LR97TX16	Genuity VT Double PRO	66	78	27	21,758	14.6	55.9	120
Integra	9678	Genuity VT Double PRO	68	74	24	18,584	14.7	56.2	120
B-H Genetics	8660		68	79	26	21,163	14.4	55.2	116
Pioneer	P1401	Agrisure Viptera 3110	70	79	26	20,171	13.9	55.0	116
Integra	6533	Genuity VT Double PRO	64	75	24	19,311	14.1	56.3	114
Progeny	PGY6116	Genuity VT Double PRO	68	78	28	19,708	14.4	55.5	113
Progeny	PGY6119	Genuity VT Double PRO	68	78	24	20,105	14.7	57.5	113
REV	28LPR18	Leptra	70	85	27	21,163	14.0	55.7	113
Dyna-Gro	D56VC46	Genuity VT Double PRO	68	72	24	19,509	14.4	55.7	111
Legend	LR98T16	Genuity VT Double PRO	67	79	26	20,237	14.8	55.8	111
DEKALB	DKC 62-08	Genuity SmartStax	67	74	27	19,046	13.9	55.3	111
Pioneer	P1464	Leptra	70	77	25	19,928	14.2	56.0	110
Dyna-Gro	D54VC14	Genuity VT Double PRO	66	78	24	20,832	14.2	56.5	110
LG Seeds	68C88	Genuity VT Double PRO	69	80	25	20,832	15.0	57.9	109
REV	23LPR55	Leptra	68	82	25	22,155	13.9	54.8	108
Integra	6588	Genuity VT Double PRO	70	78	26	19,046	15.4	57.7	108
LG Seeds	5701	Genuity VT Double PRO	68	78	25	19,179	14.7	56.4	108
Mission	A1687	Genuity VT Double PRO	64	77	24	19,708	14.6	56.6	107
Progeny	PGY8116	SmartStax	71	78	27	18,584	15.3	58.2	107
Legend	LR97TX14	Genuity VT Double PRO	67	71	20	21,163	13.9	55.5	106
Mission	A1677	Genuity VT Double PRO	70	79	25	21,229	15.2	58.0	105

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



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REV	27LPR79	Leptra	71	87	26	21,229	15.1	57.5	105
Dyna-Gro	D57VC51	Genuity VT Double PRO	70	76	25	19,113	14.3	56.1	104
Mission	A1657	Genuity DG VT Double PRO	68	79	25	18,914	14.7	56.0	104
Legend	LR98T13	Genuity VT Double PRO	65	70	22	19,179	14.6	56.4	103
REV	25LPR89	Leptra	69	80	24	21,361	13.8	55.8	103
Legend	LR98T14	Genuity VT Double PRO	65	76	23	18,914	14.5	56.9	102
Croplan	8410		68	72	22	21,295	14.4	56.3	102
Dyna-Gro	58SS65	Genuity SmartStax	68	76	22	20,038	14.6	56.9	101
Dyna-Gro	D52SS63	SmartStax	69	75	23	19,113	14.2	55.7	99
Integra	6400	Genuity SmartStax	68	70	22	18,054	14.0	55.4	99
REV	24BHR99	Optimum Intrasect	68	79	24	21,626	14.4	56.0	96
Pioneer	P1847	Leptra	70	84	26	18,782	15.7	57.0	94
Integra	6647	Genuity VT Double PRO	69	71	27	18,253	14.4	55.5	93
Progeny	7118	Genuity VT Double PRO	69	84	25	18,980	14.4	56.4	93
Pioneer	P1311		70	83	26	19,906	13.9	55.3	93
Progeny	EXP1814		66	70	21	19,377	14.4	56.7	92
REV	25LPR26	Leptra	69	80	24	19,509	13.9	55.8	92
Mission	A1637	Genuity VT Double PRO	69	78	23	20,303	13.4	54.7	89

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Agronomic information										
Plant Date	2/27/2018		Mean	68	77	24	19,932	14.4	56.2	105
Harvest Date	7/24/2018		C.V. %	1.3	4.9	10.4	9.9	3.6	0.8	12.6
Irrigated	No		P>f (hybrid)	0.000	0.000	0.001	0.241	0.000	0.000	0.064
Row Spacing (in)	38		L.S.D.	1.2	5.3	3.6		0.7	0.7	18.6
Number of Rows	2		Trial Notes							
Seeds per Acre	24,000		*From 2/27 (planting) - 5/20 (post-flowering) 3.2" of precipitation was received.							
N (lb/ac)	120		*From 5/20 - 6/17 an additional 2.2" of precipitation fell. This contributed to lower than normal yields.							
P2O5 (lb/ac)	45		<p>Cooperator <input type="text" value="Jim Hayes"/></p> <p>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. For additional information contact: Dr. Ronnie Schnell / Katrina Horn ronschnell@tamu.edu / khorn@tamu.edu 979-845-2935 / 979-845-8505</p>							
K2O (lb/ac)	20									
Precipitation (in)	14.81									
Irrigation (in)										
Herbicide			Soil Type	Laewest Clay						
Roundup used as burndown. Dual/Atrazine used pre-emerge. Roundup used post emerge.			Tillage	Disked twice, field cultivated twice						
			Previous Crop	Grain Sorghum						

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