

# Greenville 2016 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)
Phoenix	6542	Agrisure Viptera 3111	N/A	93	31	20,670	14.0	53.7	99
Golden Acres	5788	Genuity VT Double PRO	N/A	90	31	21,097	14.2	55.8	96
Phoenix	8400	Agrisure Viptera 3111	N/A	98	25	21,780	14.3	55.1	96
Golden Acres	G4678DG	Genuity DG VT Double PRO	N/A	91	30	20,072	13.7	53.5	93
REV	23BHR55	Optimum Intrasect	N/A	96	31	20,499	13.3	52.2	92
REV	26BHR50	Optimum Intrasect	N/A	95	26	21,097	14.6	56.1	91
REV	25BHR26	Optimum Intrasect	N/A	94	30	20,926	14.1	53.8	90
Phoenix	6518	Agrisure GT Artesian	N/A	84	24	20,926	13.0	51.1	89
Mycogen	12G36	SmartStax	N/A	90	27	21,268	14.1	52.9	89
Golden Acres	2778	Genuity DG VT Double PRO	N/A	86	27	20,584	14.0	55.1	89
Mycogen	MY13M87	SmartStax	N/A	88	27	21,011	13.4	52.8	88
NuTech	5F515	Optimum AcreMax (AM-R)	N/A	95	28	21,268	13.6	53.9	87
NuTech	5F113	Optimum AcreMax (AM-R)	N/A	94	26	20,670	14.7	55.2	86
Phoenix	6522	Agrisure Viptera 3111	N/A	90	31	19,816	13.6	53.1	84
NuTech	5H615	Herculex 1 (HX1)	N/A	95	24	21,438	13.5	54.2	82
REV	22BHR43	Optimum Intrasect	N/A	95	31	20,670	14.1	55.5	81
Phoenix	6948	Agrisure 3000GT	N/A	91	30	21,609	14.0	53.2	81
NuTech	5F709	Optimum AcreMax - AQUA	N/A	91	27	21,695	14.2	53.6	78
REV	28HR20	Herculex 1 (HX1)	N/A	93	33	21,524	14.7	54.9	72
Texas A&M AgriLife Research	TR8145xTX777	Conventional	N/A	95	40	19,388	13.8	53.0	70
Texas A&M AgriLife Research	GP7169GT/TX777	RR	N/A	90	41	19,388	13.3	51.8	60

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

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<b>Agronomic information</b>									
Plant Date	3/29/2016		Mean	92	29	20,828	13.9	53.8	85
Harvest Date	8/24/2016		C.V. %	3.6	11.8	4.9	3.7	1.6	9.7
Irrigated	No		P>f (hybrid)	0.000	0.000	0.004	0.000	0.000	0.000
Row Spacing (in)	30		L.S.D.	4.7	4.9	1,262.4	0.7	1.2	11.8
Number of Rows	2		<b>Trial Notes</b>						
Seeds per Acre	22,000		*Appreciation is expressed to Dr. Curtis Jones, Assistant Professor, Texas A&M Commerce & Mr. Russell Sutton, Assistant Research Scientist, Texas A&M AgriLife Research, Commerce, Texas for maintaining & monitoring test block						
N (lb/ac)	154		*At planting applied in-furrow 5 gal/A of 6-22-0 + 1 qt/A of CornGrow TQ (micronutrients)						
P2O5 (lb/ac)	13		*Knifed in 150 lb/A of N as 32-0-0 between rows						
K2O (lb/ac)	0		*AF36 was applied at suggested rate for aflatoxin (A. flavus) just prior to silking. Silk notes were not recorded						
Precipitation (in)	34.4		Soil Type	Houston black clay					
Irrigation (in)			Tillage	Disced + field cultivated in October '15. Planted flat					
Herbicide			Previous Crop	Fallow					
Applied 1 qt/A of Roundup + 1qt/A of Atrazine for burndown, December '15. Applied 1 qt/A Roundup + 1 qt/A Duall II Magnum on 3/29/16									
Cooperator <input type="text" value="Texas A&amp;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 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: Dennis Pietsch croptest@tamu.edu 979-845-8505									

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