

2016 Irrigated Corn Hybrid Performance Trial at Yuma

Brand	Hybrid	Insect and Herbicide Technology Traits ^a	Yield ^b bu/ac	Relative Maturity ^c	Moisture percent	Test Weight lb/bu	Plant Height in	Population plants/ac
LG Seeds	LG5643STX	STX, RR2, LL	217.9	114	17.0	57.8	110	31,726
B-H Genetics	BH 8399VT2P	VT2Pro, RR2	213.5	113	15.1	58.9	111	32,597
NuTech/G2 Genetics	5F-709	AM, RR2, LL	210.6	109	15.9	59.4	108	30,430
NuTech/G2 Genetics	5F-906	AM, RR2, LL	210.5	106	13.8	59.5	111	31,218
Phoenix	6518GTA	GT	210.4	116	18.0	57.1	110	30,563
LG Seeds	LG5548STXRIB	STXRIB, RR2, LL	207.7	109	14.6	58.6	111	31,871
B-H Genetics	BH 8550SS	STX, RR2, LL	205.9	113	14.6	61.2	111	32,402
NuTech/G2 Genetics	5F-308	AM, RR2, LL	204.1	108	14.4	59.4	109	31,436
Phoenix	6948A3	3000GT, GT, LL	204.1	114	17.0	58.3	115	31,753
LG Seeds	LG2602VT3PRIB	VT3PRIB, RR2	201.7	112	14.1	57.2	111	33,255
NuTech/G2 Genetics	5F-510	AM, RR2, LL	201.2	110	15.1	60.2	114	31,700
Phoenix	6342A4	3111, GT, LL	201.0	113	16.3	55.7	111	31,354
Phoenix	5552A4	3111, GT, LL	184.7	110	15.3	57.8	102	31,218
LG Seeds	LG5565STXRIB	STXRIB, RR2, LL	174.9	108	14.6	59.9	107	31,363
B-H Genetics	BH 7646VT2P	VT2Pro, RR2	172.7	107	13.3	59.1	107	30,975
Average			201.4	111	15.3	58.7	110	31,591
^d LSD (P<0.30)			10.3					

^aTechnology trait designations: 3000GT=Agrisure 3000GT; 3111=Agrisure Viptera 3111; AM=Optimum AcreMax; GT=Glyphosate Tolerant; LL=LibertyLink; RR2=Roundup Ready 2; STX=Genuity SmartStax; STXRIB=Genuity SmartStax Refuge in the Bag Complete; VT2Pro=Genuity VecTran Double Protection; VT3PRIB=Genuity VecTran Triple Protection Refuge in the Bag Complete.

^bYields corrected to 15.5% moisture.

^cRelative maturity is provided by the respective companies and is the approximate time from planting to harvest maturity. The method of calculation of the relative maturity ratings may vary among companies.

^dIf the difference between two hybrid yields equals or exceeds the LSD value, there is a 70% chance the difference is significant. Plot size: 5' x 30'

Site Information

Collaborator: Joe Newton
 Planting Date: May 12, 2016
 Harvest Date: October 25, 2016
 Fertilizer: Manure applied at 10 ton/ac
 Early-season: N at 60 lb/ac through pivot and 160 lb/ac side-dressed, P at 40 lb/ac
 Mid to Late-season: N at 20 lb/ac thru pivot at tasseling, N at 20 lb/ac thru pivot at brown silk stage
 Herbicide: Early post-emergence: Clarity at 8 oz/ac, atrazine at 1 pt/ac, Roundup at 1 qt/ac
 Mid-season: Clarity at 4 oz/ac, Laudis at 3 oz/ac, Dual Magnum at 1.3 pt/ac, Roundup at 1 qt/ac
 Fungicide: Quadris at 9 oz/ac at tasseling
 Soil Type: Julesburg loamy sand
 Irrigation Type: Center-pivot