



2018 Limited Irrigation Corn Variety
Performance Trial at Burlington

Brand	Hybrid	Insect and Herbicide Technology Traits ^a	Yield ^b bu/ac	2-Year Avg. Yield bu/ac	Relative Maturity ^c	Moisture percent	Test Weight lb/bu	Plant Height in	Population plants/ac
Dyna-Gro Seed	D52SS91	STX, RR2, LL	202.6	194.1	112	17.8	57.2	98	32,409
LG Seeds	LG61C48STXRIB	STXRIB, RR2, LL	184.1	-	111	16.1	57.3	102	33,106
NuTech/G2 Genetics	5F-308	AM, RR2, LL	181.2	170.6	108	15.4	58.6	101	35,484
NuTech/G2 Genetics	5F-906	AM, RR2, LL	180.8	188.5	106	15.0	57.8	98	32,409
Dekalb	DKC60-87RIB	STXRIB, RR2, LL	180.6	-	110	15.6	58.2	98	33,454
Dyna-Gro Seed	D52SS63	STX, RR2, LL	180.1	-	112	15.7	57.5	101	32,757
Dyna-Gro Seed	D55SS45	STX, RR2, LL	179.4	-	115	17.8	58.6	99	33,106
LG Seeds	LG5606STXRIB	STXRIB, RR2, LL	179.0	-	111	15.7	59.6	101	33,803
Pioneer	P0801AM	AM, RR2, LL	178.6	-	108	15.1	58.0	93	29,969
Pioneer	P1197AM	AM, RR2, LL	178.0	-	111	15.4	57.8	99	30,318
Dyna-Gro Seed	D54VC14	VT2Pro, RR2	177.3	-	114	17.1	59.0	98	32,409
LG Seeds	LG59C41STX	STX, RR2, LL	176.4	-	109	15.4	58.6	96	31,621
NuTech/G2 Genetics	5FB-1010	N/A	171.6	-	110	16.2	57.9	95	32,757
Dyna-Gro Seed	D50VC30	VT2Pro, RR2	150.0	155.2	110	14.4	58.9	92	31,712
Dyna-Gro Seed	D49VC70	VT2Pro, RR2	148.2	-	109	15.3	58.8	90	32,409
NK Seed	NK1094	N/A	147.9	-	110	14.4	56.6	90	34,848
Dyna-Gro Seed	D51VC15	VT2Pro, RR2	146.6	-	111	14.6	58.5	93	32,060
Dekalb	DKC56-45RIB	STXRIB, RR2, LL	145.9	-	106	14.8	57.7	90	30,870
NuTech/G2 Genetics	E5FN-A808	N/A	142.7	-	108	14.9	57.4	94	31,363
Phoenix	PHX 5352A4	AV3111, RR2, LL	138.0	-	109	14.8	57.9	99	29,969
LG Seeds	LG58C77VT2PRO	VT2Pro, RR2	129.5	-	108	14.5	58.5	97	31,712
Alta	ADV 1072	AV3111, RR2, LL	128.7	-	107	14.5	56.0	95	32,060
Dyna-Gro Seed	D47VC29	VT2Pro, RR2	127.3	141.2	107	14.6	58.7	91	30,666
NK Seed	NK0821	N/A	126.3	-	108	14.4	57.3	97	29,272
NK Seed	NK0440	AV3122, RR2	125.8	-	104	14.2	55.2	98	31,015
Dyna-Gro Seed	D44VC36	VT2Pro, RR2	123.5	139.6	104	14.3	57.8	90	30,666
NK Seed	NK1354	AV3220, RR2	122.8	-	113	15.2	57.2	98	30,318
Dyna-Gro Seed	D45SS65	STXRIB, RR2, LL	108.9	133.1	105	14.7	59.5	90	29,241
LG Seeds	LG59C66VT2PRO	VT2Pro, RR2	107.2	-	109	14.8	60.5	96	28,924
Dyna-Gro Seed	D43VC81	VT2Pro, RR2	91.6	-	103	14.4	57.6	92	27,654
Average			152.0	160.3	109	15.2	58.0		31,612

^dLSD (P<0.30)

9.1

^aTechnology trait designations: AM=Optimum AcreMax; AV3111=Agrisure Viptera 3111; AV3122=Agrisure Viptera 3122 EZ Refuge; AV3220=Agrisure Viptera 3220 EZ Refuge; LL=LibertyLink; N/A=No information available; RR2=Roundup Ready 2; STXRIB=Genuity SmartStax Refuge in the Bag Complete; STX=Genuity SmartStax; VT2Pro=Genuity VecTran Double Protection.

^bYields corrected to 15.5% moisture. Hybrid yields in bold are in the top LSD group.

^cRelative maturity is provided by the respective companies and is the approximate time from planting to harvest maturity.

^dIf the difference between two hybrid yields equals or exceeds the LSD value, there is a 70% chance the difference is significant.

Site Information

Collaborator: Tim Stahlecker
 Planting Date: May 1, 2018
 Harvest Date: October 30, 2018
 Fertilizer: N at 218, P at 60, S at 10, Zn at 1.25 lb/ac
 Herbicide: Post-emergence: glyphosate at 1 qt/ac, Laudis at 3 oz/ac, Clarity at 8 oz/ac, and atrazine at 1 pt/ac
 Soil Type: Kuma-Keith silt loam

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