



2018 Irrigated Corn Variety  
Performance Trial at Yuma

Brand	Hybrid	Insect and Herbicide Technology Traits <sup>a</sup>	Yield <sup>b</sup> bu/ac	2-Year Avg. Yield bu/ac	Relative Maturity <sup>c</sup>	Test		
						Moisture percent	Weight lb/bu	Population plants/ac
Pioneer	P0801AM	AM, RR2, LL	<b>316.4</b>	302.1	108	17.4	56.7	32,815
LG Seeds	LG66C32STXRIB	STXRIB, RR2, LL	<b>305.2</b>	-	116	21.7	55.4	33,106
NK Seed	NK1094	N/A	302.2	-	110	17.4	54.7	35,429
B-H Genetics	BH 8121VT2P	VT2Pro, RR2	300.0	-	111	17.3	57.2	31,654
Dyna-Gro Seed	D51VC15	VT2Pro, RR2	297.7	-	111	17.3	57.1	35,719
NuTech/G2 Genetics	5FB-1010	N/A	295.8	-	110	18.2	56.9	34,848
Phoenix	PHX 5352A4	AV3111, RR2, LL	294.0	-	109	19.4	55.3	33,977
B-H Genetics	BH 8399VT2P	VT2Pro, RR2	293.4	282.9	112	19.6	55.5	30,782
Dekalb	DKC60-87RIB	STXRIB, RR2, LL	292.2	265.3	110	19.2	56.5	33,106
NuTech/G2 Genetics	5F-906	AM, RR2, LL	291.2	282.2	106	17.7	57.1	32,234
Dyna-Gro Seed	D52SS63	STX, RR2, LL	289.1	-	112	19.3	55.3	33,686
Allegiant	11395 SS	STXRIB, RR2, LL	286.9	-	113	19.6	55.5	33,686
LG Seeds	LG5643STXRIB	STXRIB, RR2, LL	286.7	-	114	20.8	54.8	32,234
Dyna-Gro Seed	D52SS91	STX, RR2, LL	283.2	276.2	112	21.0	56.0	31,363
Dyna-Gro Seed	D49VC70	VT2Pro, RR2	282.3	-	109	19.1	55.8	32,525
Alta	ADV 1072	AV3111, RR2, LL	282.1	-	107	15.8	56.1	33,396
NK Seed	NK0440	AV3122, RR2	281.9	-	104	16.3	55.7	33,686
LG Seeds	LG61C48STXRIB	STXRIB, RR2, LL	281.9	-	111	19.1	55.6	32,234
NuTech/G2 Genetics	E5FN-A808	N/A	281.3	-	108	16.8	56.5	31,944
Dyna-Gro Seed	D55SS45	STX, RR2, LL	281.0	-	115	21.1	55.7	30,202
Dyna-Gro Seed	D54VC14	VT2Pro, RR2	277.4	-	114	19.1	57.3	31,073
Alta	ADV 1121	N/A	275.5	-	112	17.9	57.1	32,234
NK Seed	NK1354	AV3220, RR2	274.5	-	113	17.8	56.0	30,202
LG Seeds	LG59C41STX	STX, RR2, LL	266.4	-	109	17.1	57.4	31,073
NuTech/G2 Genetics	5F-308	AM, RR2, LL	265.5	270.1	108	17.9	57.9	32,815
LG Seeds	LG59C66VT2PRO	VT2Pro, RR2	258.6	-	109	16.3	59.3	32,234
Dekalb	DKC64-34RIB	STXRIB, RR2, LL	258.4	266.1	114	18.2	57.6	32,815
Dyna-Gro Seed	D48VC76	VT2Pro, RR2	255.1	-	108	17.1	57.5	33,396
NK Seed	NK0821	N/A	253.4	-	108	15.1	56.7	30,202
LG Seeds	LG58C77VT2PRO	VT2Pro, RR2	248.3	-	108	16.0	58.1	29,911
Dyna-Gro Seed	D50VC30	VT2Pro, RR2	247.4	246.4	110	16.1	57.7	36,300
Dyna-Gro Seed	D43VC81	VT2Pro, RR2	246.3	-	103	16.1	57.8	31,363
Dyna-Gro Seed	D44VC36	VT2Pro, RR2	243.5	239.4	104	16.1	58.1	32,525
Dyna-Gro Seed	D43SS50	STXRIB, RR2, LL	237.4	-	103	15.8	59.1	35,719
Dyna-Gro Seed	D45SS65	STXRIB, RR2, LL	233.4	227.7	105	15.9	58.9	33,396
Dyna-Gro Seed	D47VC29	VT2Pro, RR2	229.1	229.3	107	16.3	58.5	31,654
Allegiant	10211 SS	STXRIB, RR2, LL	226.8	-	102	15.0	57.6	31,944
Allegiant	10007 SS	STXRIB, RR2, LL	186.9	-	100	15.1	58.9	25,555
Allegiant	10652 SS	STXRIB, RR2, LL	144.9	-	106	17.5	59.1	19,457
<b>Average</b>			<b>268.0</b>	<b>262.5</b>	<b>109</b>	<b>17.7</b>	<b>56.9</b>	<b>32,115</b>

<sup>d</sup>LSD (P<0.30)

13.5

<sup>a</sup>Technology 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.

<sup>b</sup>Yields corrected to 15.5% moisture. Hybrid yields in bold are in the top LSD group.

<sup>c</sup>Relative maturity is provided by the respective companies and is the approximate time from planting to harvest maturity.

<sup>d</sup>If the difference between two hybrid yields equals or exceeds the LSD value, there is a 70% chance the difference is significant.

**Site Information**

Collaborator: Joe Newton  
 Planting Date: May 9, 2018  
 Harvest Date: October 28, 2018  
 Fertilizer: N at 290, P at 30, S at 40 lb/ac plus manure applied at 8 ton/ac  
 Herbicide: Early post-emergence: Atrazine at 1.5 pt/ac, glyphosate at 1.5 qt/ac, Zidua at 2 oz/ac, Clarity at 6 oz/ac, and Laudis at 2 oz/ac  
 Soil Type: Julesburg loamy sand

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