



2018 Irrigated Corn Variety  
Performance Trial at Holyoke

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
AgVenture	EXP186148YHB	INT, RR2 LL	<b>280.8</b>	-	114	17.0	59.1	34,765
Pioneer	P0801AM	AM, RR2, LL	267.0	276.6	108	15.0	58.1	32,525
Dyna-Gro Seed	D51VC15	VT2Pro, RR2	260.9	-	111	15.2	59.0	35,553
NuTech/G2 Genetics	5FB-3113	AMXT, RR2, LL	260.0	-	113	16.0	57.8	34,060
Allegiant	11395 SS	STXRIB, RR2, LL	255.1	-	113	15.3	57.9	36,590
Dyna-Gro Seed	D52SS91	STX, RR2, LL	254.0	253.0	112	15.8	59.3	34,433
NuTech/G2 Genetics	5F-308	AM, RR2, LL	251.8	261.7	108	15.2	59.4	33,769
Dyna-Gro Seed	D52SS63	STX, RR2, LL	246.0	-	112	15.4	57.6	34,765
AgVenture	EXP185138YHB	INT, RR2 LL	244.1	-	113	15.8	57.8	35,657
AgVenture	EXP164048AM	AM, RR2, LL	238.8	-	104	14.5	57.6	32,753
NuTech/G2 Genetics	5FB-6313	N/A	237.2	-	113	15.8	57.4	30,368
NK Seed	NK1094	N/A	234.2	-	110	14.8	57.1	35,138
Dyna-Gro Seed	D49VC70	VT2Pro, RR2	233.2	-	109	14.7	59.1	31,612
AgVenture	EXP178088AM	AM, RR2, LL	230.3	-	108	15.3	58.8	35,201
Dyna-Gro Seed	D48VC76	VT2Pro, RR2	229.3	-	108	14.4	58.9	34,039
Dekalb	DKC60-87RIB	STXRIB, RR2, LL	225.2	-	110	15.1	58.8	34,122
LG Seeds	LG59C41STX	STX, RR2, LL	222.8	-	109	14.7	59.6	33,147
LG Seeds	LG58C77VT2PRO	VT2Pro, RR2	222.1	-	108	14.6	59.2	32,960
NK Seed	NK0440	AV3122, RR2	221.6	-	104	14.2	56.3	32,815
NuTech/G2 Genetics	E5FN-A808	N/A	218.8	-	108	14.9	57.8	30,907
Dekalb	DKC56-45RIB	STXRIB, RR2, LL	216.8	224.0	106	14.7	58.8	32,940
Dyna-Gro Seed	D47VC29	VT2Pro, RR2	213.8	222.2	107	14.3	59.4	31,363
LG Seeds	LG5525VT2RIB	VT2PRIB, RR2	210.4	-	105	14.3	59.1	32,981
Dyna-Gro Seed	D50VC30	VT2Pro, RR2	208.9	238.0	110	14.6	58.9	36,259
Dyna-Gro Seed	D45SS65	STXRIB, RR2, LL	207.1	223.8	105	14.5	59.6	35,553
LG Seeds	LG54C01STX	STX, RR2, LL	201.9	-	104	14.2	58.2	31,114
Dyna-Gro Seed	D43SS50	STXRIB, RR2, LL	200.9	-	103	14.4	59.5	36,010
NK Seed	NK0821	N/A	200.3	-	108	14.4	57.6	28,059
Dyna-Gro Seed	D44VC36	VT2Pro, RR2	197.2	215.3	104	14.2	58.4	35,823
Allegiant	10211 SS	STXRIB, RR2, LL	195.5	-	102	14.2	58.3	31,073
NK Seed	NK1354	AV3220, RR2	194.8	-	113	14.7	57.2	28,397
LG Seeds	LG53C50STX	STX, RR2, LL	192.8	-	103	14.4	59.4	32,940
Allegiant	10652 SS	STXRIB, RR2, LL	188.8	-	106	14.7	60.1	27,500
Dyna-Gro Seed	D43VC81	VT2Pro, RR2	174.9	-	103	14.2	58.1	28,252
<b>Average</b>			<b>224.6</b>	<b>239.3</b>	<b>108</b>	<b>14.9</b>	<b>58.5</b>	<b>33,042</b>

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

10.9

<sup>a</sup>Technology trait designations: AM=Optimum AcreMax; AMXT=Optimum AcreMax Xtreme; AV3122=Agrisure Viptera 3122 EZ Refuge; AV3220=Agrisure Viptera 3220 EZ Refuge; INT=Optimum Intrasect LL=LibertyLink; N/A=No information available; RR2=Roundup Ready 2; STX=Genuity SmartStax; STXRIB=Genuity SmartStax Refuge in the Bag Complete; VT2PRIB=Genuity VecTran Double Protection Refuge in a Bag; 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: Brent Adler  
 Planting Date: April 30, 2018  
 Harvest Date: November 6, 2018  
 Fertilizer: N at 230, P at 60, K at 60, and S at 30 lb/ac; Starter: N at 3, P at 12, and Zn at 1.5 lb/ac  
 Herbicide: 1st application: glyphosate at 48 oz/ac, Status at 4 oz/ac, and atrazine at 0.75 lb/ac; 2nd application: glyphosate at 48 oz/ac, Status at 4 oz/ac, and Dual 1.33 pt/ac  
 Insecticide: Lorsban and Capture  
 Soil Type: Julesburg loamy sand  
 Trial Coordinates: 40.3584,-102.10662

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