



2020 Limited Irrigation Corn Variety  
Performance Trial at Holyoke

Brand	Hybrid	Insect and Herbicide Technology Traits <sup>a</sup>	Yield <sup>b</sup> bu/ac	Relative Maturity <sup>c</sup>	Moisture percent	Test Weight lb/bu	Plant Height in	Population plants/ac	Greensnap percent
Dyna-Gro Seed	D51VC67	VT2P, RR2	<b>236.7</b>	111	20.0	59.1	103	33,132	2.4
Dyna-Gro Seed	D53TC19	TRE, RR2	<b>236.3</b>	113	19.0	60.1	108	31,416	9.3
Dyna-Gro Seed	D50VC78	VT2P, RR2	<b>234.3</b>	110	19.0	58.9	107	35,904	2.7
Dyna-Gro Seed	D51VC41	VT2P, RR2	<b>232.0</b>	111	18.4	59.2	102	33,396	1.2
Pioneer	P1366	AML, RR2, LL	<b>231.5</b>	113	19.0	60.3	111	35,508	6.4
Augusta Seed	A1258	3330, RR2	<b>231.1</b>	108	18.1	59.7	115	33,396	0.8
Dyna-Gro Seed	D52SS63	STX, RR2, LL	<b>229.8</b>	112	19.8	59.8	111	34,584	8.5
Dyna-Gro Seed	D55VC80	VT2P, RR2	227.6	115	21.4	59.3	111	34,848	15.4
Dyna-Gro Seed	D54SS34	STX, RR2, LL	225.6	115	21.2	60.6	108	30,360	0.4
Dyna-Gro Seed	D52DC82	VT2P, RR2	225.4	112	17.6	59.7	111	30,360	1.3
NK Seed	NK1364-3111	3111, RR2, LL	222.0	113	18.1	57.4	115	33,264	0.6
Augusta Seed	A4757	VT2P, RR2	221.9	107	19.0	60.5	110	35,508	2.6
Dyna-Gro Seed	D53VC33	VT2P, RR2	220.1	113	19.0	59.1	114	33,396	1.7
Dyna-Gro Seed	D54SS74	STX, RR2, LL	216.9	114	20.8	59.2	105	32,208	1.8
Dekalb	DKC63-90	STXRIB, RR2, LL	215.5	113	19.2	58.7	105	33,000	2.4
NK Seed	NK1205-3120	3120, RR2, LL	213.1	110	18.0	59.3	110	33,132	2.8
NK Seed	NK0962-5222A	5222, RR2	211.3	110	18.1	58.7	103	33,000	1.6
Augusta Seed	A3058	3120, RR2	210.0	108	17.2	60.0	111	33,660	2.4
NK Seed	NK0821-5122A	5122, RR2	209.4	108	18.3	60.1	111	34,056	2.9
Dyna-Gro Seed	D54VC14	VT2P, RR2	206.2	114	20.0	60.6	104	32,736	2.2
Augusta Seed	A1261	3120, RR2	205.1	111	18.7	59.4	108	33,528	3.2
NK Seed	NK1188-5122	5122, RR2	204.7	111	18.4	60.8	114	33,792	2.3
Pioneer	P0805	AM, RR2, LL	202.4	108	19.7	61.4	113	29,964	1.3
Augusta Seed	A4559	3010, RR2, LL	185.7	109	19.5	56.6	107	31,152	15.1
<b>Average</b>			<b>219.0</b>	<b>111</b>	<b>19.1</b>	<b>59.5</b>	<b>109</b>	<b>33,138</b>	<b>3.8</b>
<sup>d</sup> LSD (P<0.30)			8.8						
<sup>d</sup> LSD (P<0.05)			16.8						

<sup>a</sup>Technology trait designations: 3010=Agrisure 3010; 3111=Agrisure Viptera 3111; 3120=Agrisure 3120 E-Z Refuge; 3330=Agrisure Viptera 3330 E-Z Refuge; 5122=Agrisure Duracade 5122 E-Z Refuge; 5222=Agrisure Duracade 5222 E-Z Refuge; AM=AcreMax; AML=AcreMax Leptra; LL=LibertyLink; RR2=Roundup Ready 2; STX=SmartStax; STXRIB=SmartStax Refuge in the Bag Complete; TRE=Trecepta; VT2P=VecTran Double Protection.

<sup>b</sup>Yields corrected to 15.5% moisture. Hybrid yields in bold are in the top LSD group (P<0.30).

<sup>c</sup>Relative 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.

<sup>d</sup>If the difference between two hybrid yields equals or exceeds the LSD value, the difference is significant. Hybrid yields in the top yield group (P<0.30) are in bold. Farmers should use the LSD (P<0.30) for selecting superior hybrids to minimize economic loss due to false negative results and others may use LSD (P<0.05) to minimize the risk of false positive results.

**Site Information**

Collaborator: Brent Adler  
 Planting Date: May 1, 2020  
 Harvest Date: October 16, 2020  
 Fertilizer: N at 240, P at 74, K at 60, S at 30, and Zn at 1.25 lb/ac  
 Herbicide: Durango at 1 qt/ac, Resicore at 2 qt/ac, and atrazine at 1 qt/ac on May 18; Durango at 1 qt/ac on June 25  
 Insecticide: Prevathon at 17 oz/ac on Aug. 1  
 Soil Type: Julesburg loamy sand  
 Trial Coordinates: 40.357, -102.107

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