

2019 Irrigated Corn Hybrid Performance Trial at Holyoke

Brand	Hybrid	Insect and Herbicide Technology Traits ^a	Yield ^b bu/ac	Relative		Test Weight lb/bu	Plant Height in	Population plants/ac	Lodging percent
				Maturity ^c	Moisture percent				
NK Seed	NK1082	AV3330, RR2, LL	250.2	110	16.5	60.0	122	31,508	40
Augusta Seed	A4559	AV3010, RR2, LL	243.4	109	16.9	57.1	113	31,508	3
NK Seed	NK1205	AV3120, RR2, LL	239.1	112	17.4	59.5	121	33,614	57
Augusta Seed	A4658	AV3220, RR2, LL	231.7	108	15.8	58.3	117	34,267	63
NK Seed	NK0821	AV3120, RR2, LL	227.8	108	15.0	59.9	117	34,267	10
Pioneer	P1370AMXT	AMXT, RR2, LL	224.7	113	18.2	58.1	129	34,848	27
Augusta Seed	A3058	AV3120, RR2	222.4	108	14.8	59.8	122	32,307	13
Pioneer	P0805AM	AM, RR2, LL	221.7	108	17.4	62.0	127	28,096	7
Pioneer	P0622AML	AML, RR2, LL	221.1	106	15.2	60.8	109	30,855	30
Augusta Seed	A4760	VT2Pro, RR2	220.2	110	15.0	60.5	123	32,525	33
Augusta Seed	A4959	AV3110, RR2, LL	219.0	109	18.3	60.4	120	32,162	50
NK Seed	NK0472	AV3110, RR2, LL	217.8	104	16.5	62.0	120	34,049	0
Augusta Seed	A2856	AV3220, RR2	217.6	106	15.9	59.5	118	34,122	87
LG Seeds	LG60C33VT2Pro	VT2Pro, RR2	209.0	110	16.8	59.9	112	34,340	57
Dekalb	DKC56-45RIB	STXRIB, RR2, LL	208.0	106	16.3	60.4	110	28,750	13
LG Seeds	LG62C35VT2Pro	VT2Pro, RR2	207.0	112	16.3	59.5	117	34,412	23
Dekalb	DKC60-87RIB	STXRIB, RR2, LL	202.6	110	16.6	61.2	115	32,307	10
NK Seed	NK0624	AV3220, RR2, LL	202.5	106	16.3	59.3	119	34,412	82
NK Seed	NK1364	AV3111, RR2, LL	195.0	113	16.4	57.1	123	22,796	7
LG Seeds	LG59C72VT2Pro	VT2Pro, RR2	180.8	109	15.3	59.0	123	32,452	40
Average			218.1	109	16.3	59.7	119	32,180	33
^d LSD (P<0.30)			10.8						

^aTechnology trait designations: AM=Optimum AcreMax; AML=AcreMax Leptra; AMXT=Optimum AcreMax Xtreme; AV3010=Agrisure Viptera 3010; AV3110=Agrisure Viptera 3110; AV3111=Agrisure Viptera 3111; AV3120=Agrisure Viptera 3120 EZ Refuge; AV3220=Agrisure Viptera 3220 EZ Refuge; AV3330=Agrisure Viptera 3330 EZ Refuge; LL=LibertyLink; RR2=Roundup Ready 2; STXRIB=Genuity SmartStax Refuge in the Bag Complete; 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: Brent Adler
 Planting Date: April 29, 2019
 Harvest Date: November 2, 2019
 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, Parallel at 20 oz/ac, Status at 2 oz/ac on June 25
 Insecticide: Prethathon at 17 oz/ac on Aug. 1
 Soil Type: Julesburg loamy sand
 Trial Coordinates: 40.358, -102.1066

This table may be reproduced only in its entirety.