



2020 Limited Irrigation Corn Variety
Performance Trial at Yuma

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	D54SS74	STX, RR2, LL	186.2	191.8	114	23.1	55.3	94	30,620
Dyna-Gro Seed	D51VC67	VT2P, RR2	185.1	216.1	111	20.4	56.8	94	30,492
Dyna-Gro Seed	D53TC19	TRE, RR2	184.8	182.7	113	20.9	57.7	95	31,517
NK Seed	NK1364-3111	3111, RR2, LL	184.5	173.0	113	21.4	54.1	96	31,133
Dyna-Gro Seed	D51VC41	VT2P, RR2	183.5	-	111	19.1	57.0	93	30,236
Dyna-Gro Seed	D52SS63	STX, RR2, LL	182.2	185.6	112	24.7	55.7	98	31,645
Augusta Seed	A1258	3330, RR2	179.6	-	108	18.5	56.7	99	31,389
Dekalb	DKC63-90	STXRIB, RR2, LL	179.6	-	113	21.5	56.1	96	30,108
NK Seed	NK1188-5122	5122, RR2	179.2	-	111	21.5	57.2	102	32,286
Augusta Seed	A4559	3010, RR2, LL	177.6	200.1	109	20.5	54.7	97	28,442
Dyna-Gro Seed	D50VC78	VT2P, RR2	175.4	-	110	20.8	57.8	87	31,517
Dyna-Gro Seed	D52DC82	VT2P, RR2	169.8	-	112	21.4	56.3	101	27,673
NK Seed	NK0962-5222A	5222, RR2	165.0	-	110	18.1	55.9	91	32,029
Pioneer	P1366	AML, RR2, LL	164.4	-	113	21.7	56.9	92	31,645
Dyna-Gro Seed	D53VC33	VT2P, RR2	164.2	176.8	113	20.4	56.5	103	30,108
Dyna-Gro Seed	D54VC14	VT2P, RR2	162.8	190.0	114	23.1	56.7	92	30,748
Dyna-Gro Seed	D54SS34	STX, RR2, LL	162.0	-	115	26.2	55.9	94	29,339
Dekalb	DKC59-81	STXRIB, RR2, LL	160.2	-	109	18.6	57.7	90	30,492
NK Seed	NK0821-5122A	5122, RR2	159.2	166.3	108	20.4	56.0	95	31,517
Augusta Seed	A4757	VT2P, RR2	158.3	-	107	16.8	59.1	97	31,901
NK Seed	NK1205-3120	3120, RR2, LL	158.0	180.6	110	19.9	57.0	95	31,133
Pioneer	P0805	AM, RR2, LL	157.0	173.2	108	19.5	58.9	102	27,161
Augusta Seed	A3058	3120, RR2	150.9	172.9	108	19.5	56.7	102	31,389
Augusta Seed	A1261	3120, RR2	150.8	-	111	20.0	56.8	95	30,492
Average			170.0	184.1	111	20.7	56.6	96	30,625
^d LSD (P<0.30)			11.6						
^d LSD (P<0.05)			22.2						

^aTechnology 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.

^bYields corrected to 15.5% moisture. Hybrid yields in bold are in the top LSD group (P<0.30).

^cRelative 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.

^dIf 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: Weathers Farms
Planting Date: May 19, 2020
Harvest Date: October 8, 2020
Soil Type: Valent sand
Trial Coordinates: 39.961, -102.696

This table may be reproduced only in its entirety.