



2019 Irrigated Corn Hybrid
Performance Trial at Yuma

Brand	Hybrid	Insect and Herbicide Technology Traits ^a	Yield ^b bu/ac	2-Year	Relative	Moisture	Test	Plant	Population	Bacterial Leaf
				Avg. Yield	Maturity ^c		Weight	Height		Streak
				bu/ac		percent	lb/bu	in	plants/ac	score (1-5) ^d
Dyna-Gro Seed	D51VC67	VT2PRIB, RR2	247.1	-	110	16.6	60.5	109	28,459	3.3
Dyna-Gro Seed	D52VC15	VT2PRIB, RR2	225.6	-	112	15.5	61.6	110	33,396	2.6
Augusta Seed	A4559	AV3010, RR2, LL	222.6	-	109	16.0	58.5	111	31,799	3.4
Dyna-Gro Seed	D54VC14	VT2Pro, RR2	217.2	247.3	114	16.8	62.8	110	32,234	2.6
Dekalb	DKC54-64RIB	STXRIB, RR2, LL	213.5	-	104	15.1	61.6	110	32,380	1.8
NK Seed	NK0624	AV3220, RR2, LL	211.8	-	106	15.9	60.5	106	33,396	2.0
LG Seeds	LG66C32VT2RIB	VT2PRIB, RR2	210.8	258.0	116	17.2	62.2	109	32,525	2.8
NK Seed	NK1205	AV3120, RR2, LL	203.1	-	112	14.3	60.7	107	34,122	3.3
Dyna-Gro Seed	D52SS91	STX, RR2, LL	200.2	241.7	112	16.4	61.9	104	33,541	2.4
Dyna-Gro Seed	D48VC76	VT2PRIB, RR2	199.5	227.3	108	15.1	61.3	108	33,686	3.3
NK Seed	NK1082	AV3330, RR2, LL	198.7	-	110	14.1	60.6	106	32,670	2.3
Dyna-Gro Seed	D54SS74	STX, RR2, LL	197.5	-	114	15.9	61.3	109	33,106	2.3
Augusta Seed	A3058	AV3120, RR2	194.9	-	108	12.9	59.8	106	32,380	2.4
Dyna-Gro Seed	D53VC33	VT2Pro, RR2	189.5	-	113	15.6	61.1	117	32,815	2.4
Augusta Seed	A4658	AV3220, RR2, LL	189.4	-	108	14.2	58.2	107	34,122	2.0
Pioneer	P0805AM	AM, RR2, LL	189.3	-	108	15.8	62.6	120	29,911	3.3
Dyna-Gro Seed	D52SS63	STX, RR2, LL	189.0	239.1	112	16.4	60.4	117	33,251	2.9
Dyna-Gro Seed	D52VC50	VT2PRIB, RR2	184.5	-	112	14.4	60.9	109	34,122	1.9
NK Seed	NK0472	AV3110, RR2, LL	184.2	-	104	15.1	62.2	112	32,234	1.8
Dyna-Gro Seed	D49SS70	STXRIB, RR2, LL	183.4	232.9	109	15.4	62.5	107	34,122	2.3
Dyna-Gro Seed	D53TC19	TC, RR2	180.6	-	113	13.9	61.8	107	32,525	3.5
Augusta Seed	A2856	AV3220, RR2	174.6	-	106	14.5	60.2	111	33,832	2.4
NK Seed	NK0821	AV3120, RR2, LL	173.4	213.4	108	12.9	59.4	105	36,010	1.8
Augusta Seed	A4959	AV3110, RR2, LL	167.1	-	109	17.3	61.7	112	32,380	2.0
NK Seed	NK1364	AV3111, RR2, LL	161.5	-	113	13.6	58.2	117	25,120	3.5
LG Seeds	LG62C35VT2Pro	VT2Pro, RR2	153.8	-	112	14.0	60.7	110	32,234	3.3
Pioneer	P1370AMXT	AMXT, RR2, LL	152.3	-	113	16.8	59.8	121	32,815	2.9
LG Seeds	LG5643VT2RIB	VT2PRIB, RR2	151.9	219.3	114	15.5	62.2	111	32,089	1.5
Augusta Seed	A4760	VT2Pro, RR2	147.4	-	110	13.5	59.9	121	31,218	2.5
Dyna-Gro Seed	D50VC51	VT2PRIB, RR2	133.7	-	110	15.9	61.8	98	32,670	1.4
Dekalb	DKC60-87RIB	STXRIB, RR2, LL	129.4	210.8	110	15.1	61.9	115	33,251	2.5
Dyna-Gro Seed	D50VC30	VT2PRIB, RR2	125.5	186.5	110	15.5	61.8	119	33,686	2.1
Average			184.5	227.6	110	15.2	60.9	111	32,566	2.5

^eLSD (P<0.30)

20.4

^aTechnology trait designations: AM=Optimum AcreMax; 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; STX=Genuity SmartStax; STXRIB=Genuity SmartStax Refuge in the Bag Complete; STX=Genuity SmartStax; TC= Genuity Trecepta Technology; VT2PRIB=Genuity VecTran Double Protection 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.

^dBacterial Leaf Streak (*Xanthomonas vasicola* pv. *vasculorum*) Score: 1 equals little disease present (1-20% of leaf area affected) and 5 equals severe disease presence (81-100% of leaf area affected). Most BLS lesions appeared to originate from hail damage.

^eIf 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 2, 2019
 Harvest Date: November 7, 2019
 Fertilizer: N at 270, P at 90, S at 27, and Zn at 0.5 lb/ac
 Herbicide: Durango at 28 oz/ac, Resicore at 2.25 qt/ac, atrazine at 1 lb/ac
 Insecticide: Bifenthrin at 2 oz/ac
 Soil Type: Haxtun loamy sand
 Trial Coordinates: 40.0967, -102.5378

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