

2018 Irrigated Corn Variety Performance Trial at Rocky Ford

Brand	Hybrid	Insect and Herbicide Technology Traits ^a	Yield ^b bu/ac	2-Year	Relative	Moisture	Test	Plant	Population
				Avg. Yield bu/ac	Maturity ^c		Weight lb/bu	Height in	
LG Seeds	LG66C32STXRIB	STXRIB, RR2, LL	279.5	-	116	15.1	60.1	97	29,524
Dyna-Gro Seed	D55SS45	STX, RR2, LL	270.2	-	115	14.7	60.2	95	30,976
Dyna-Gro Seed	D52SS63	STX, RR2, LL	266.4	-	112	14.5	58.7	95	29,814
LG Seeds	LG61C48STXRIB	STXRIB, RR2, LL	264.6	-	111	14.6	58.2	96	30,589
Dyna-Gro Seed	D52SS91	STX, RR2, LL	259.5	281.1	112	15.8	59.4	89	28,266
Dyna-Gro Seed	D54VC14	VT2Pro, RR2	253.0	-	114	15.2	60.2	93	30,105
Dyna-Gro Seed	D51VC15	VT2Pro, RR2	249.4	-	111	13.8	59.2	89	30,879
Alta	ADV 1072	AV3111, RR2, LL	248.8	-	107	14.2	57.0	96	30,782
Alta	ADV 1121	N/A	242.4	-	112	16.2	58.0	106	29,040
LG Seeds	LG5643STXRIB	STXRIB, RR2, LL	242.3	-	114	14.3	58.9	101	30,976
Dyna-Gro Seed	D49VC70	VT2Pro, RR2	241.0	-	109	14.6	58.4	91	30,105
Dyna-Gro Seed	D50VC30	VT2Pro, RR2	234.9	264.3	110	14.2	58.3	95	29,524
Pioneer	P1197AM	AM, RR2, LL	234.4	-	111	14.2	59.1	98	31,073
Dyna-Gro Seed	D48VC76	VT2Pro, RR2	202.6	-	108	13.4	57.1	93	31,266
LG Seeds	LG59C41STX	STX, RR2, LL	202.0	-	109	14.6	58.7	83	28,169
Phoenix	PHX 5352A4	AV3111, RR2, LL	201.4	-	109	14.9	57.8	100	30,589
Dyna-Gro Seed	D45SS65	STXRIB, RR2, LL	198.1	220.3	105	13.3	58.8	87	30,686
Dyna-Gro Seed	D47VC29	VT2Pro, RR2	196.1	223.8	107	13.3	58.2	89	28,459
Dyna-Gro Seed	D44VC36	VT2Pro, RR2	187.3	210.2	104	14.4	57.9	88	28,169
Dyna-Gro Seed	D43VC81	VT2Pro, RR2	184.2	-	103	13.7	57.9	92	28,459
Average			232.9	240.0	110	14.5	58.6	94	29,872

^dLSD (P<0.30)

14.5

^aTechnology trait designations: AM=Optimum AcreMax; AV3111=Agrisure Viptera 3111; LL=LibertyLink; N/A=No information available; RR2=Roundup Ready 2; STXRIB=Genuity SmartStax Refuge in the Bag Complete; STX=Genuity SmartStax; VT2Pro=Genuity VecTran Double Protection.

^bYields corrected to 15.5% moisture.

^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, there is a 70% chance the difference is significant.

Site Information

Collaborator:	Arkansas Valley Research Center
Planting Date:	May 2, 2018
Harvest Date:	October 29, 2018
Fertilizer:	N at 10, P at 26, and K at 3 lb/ac applied June 4 N at 173, K at 20, S at 33, and Zn at 2 lb/ac applied June 13
Herbicide:	Post-emergence: Mad Dog Plus at 28 oz/ac and Strut at 16 oz/ac
Soil Type:	Rocky Ford silty clay loam
Irrigation:	Furrow irrigated on May 5, June 8, June 19, June 28, July 13, July 31, Aug. 16, and Sept. 5
Previous Crop:	Vegetables

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