



2021 Irrigated Corn Hybrid
Performance Trial at Rocky Ford

Brand	Hybrid	Insect and Herbicide Technology Traits ^a	Grain Yield ^b bu/ac	Yield % of test avg.	Relative Maturity ^c	Test Moisture percent	Test Weight lb/bu	Plant Height in	Population plants/ac
<u>113-118 Relative Maturity</u>									
Dyna-Gro Seed	D55VC80	VT2P, RR2	327	111%	115	19	57	102	32,500
Dyna-Gro Seed	D57VC17	VT2P, RR2	303	102%	117	20	58	101	31,400
Pioneer	P1828Q	Q, LL, RR2	293	99%	118	18	61	110	32,200
<u>109-112 Relative Maturity</u>									
Dyna-Gro Seed	D52DC82	VT2P, RR2	325	110%	112	17	57	101	31,800
Dyna-Gro Seed	D50VC09	VT2P, RR2	311	105%	109	16	57	101	31,800
RENK	RK882TRE	VT2P, RR2	310	105%	111	17	58	99	31,500
Dyna-Gro Seed	D51SS41	STX, LL, RR2	300	101%	111	16	58	90	31,900
Dyna-Gro Seed	D51VC41	VT2P, RR2	294	99%	111	17	57	94	31,200
RENK	RK782VT2P	VT2P, RR2	282	95%	109	17	58	100	31,200
Dyna-Gro Seed	D50VC78	VT2P, RR2	271	92%	110	15	58	96	31,500
Dyna-Gro Seed	D51VC67	VT2P, RR2	270	91%	111	17	58	98	31,600
Dyna-Gro Seed	D51SS61	STX, LL, RR2	266	90%	111	16	58	105	32,000
Average			296		112	17	58	100	31,700
^d LSD (0.30)			10						
^d LSD (0.05)			20						

^aTechnology trait designations: LL=LibertyLink; RR2=Roundup Ready 2; Q=QROME; STX=SmartStax; VT2P=VecTran Double Protection. For a list of specific pests controlled by each trait, please click [here](#).

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

^dFarmers selecting a hybrid based on yield should use the LSD (.30) to protect themselves from false negative decisions. Companies or researchers may be interested in the LSD (.05) to avoid false positive conclusions.

Site Information

Collaborator: CSU Arkansas Valley Research Center (Kevin Tanabe, Lane Simmons, and Mike Bartolo)
 Planting Date: May 14, 2021
 Harvest Date: October 26, 2021
 Fertilizer: N at 155, P at 27, K at 21, S at 28, and Zn at 2 lb/ac
 Herbicide: Status at 7 oz/ac and Mad Dog Plus at 32 oz/ac applied on June 14th
 Soil Type: Rocky Ford silty clay loam
 Trial Coordinates: 38.0389, -103.6933

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