

**2020 Irrigated Corn Variety  
Performance Trial at Rocky Ford**

Brand	Hybrid	Insect and Herbicide Technology Traits <sup>a</sup>	Yield <sup>b</sup> bu/ac	Relative Maturity <sup>c</sup>	Moisture percent	Test Weight lb/bu	Plant Height in	Population plants/ac
Dyna-Gro Seed	D57TC19	TRE, RR2	<b>300.8</b>	117	20.7	55.3	105	29,330
Dyna-Gro Seed	D53TC19	TRE, RR2	270.4	113	13.8	57.7	96	29,427
Dyna-Gro Seed	D57VC17	VT2P, RR2	270.1	117	16.1	59.0	90	30,492
Dyna-Gro Seed	D55VC80	VT2P, RR2	269.2	115	16.6	58.1	102	30,589
Dyna-Gro Seed	D54SS34	STX, RR2, LL	262.8	115	15.3	58.8	98	28,763
Dyna-Gro Seed	D58VC90	VT2P, RR2	258.8	118	15.5	58.2	104	30,395
Dyna-Gro Seed	D58VC65	VT2P, RR2	250.9	118	15.2	59.3	100	30,105
Dyna-Gro Seed	D54VC14	VT2P, RR2	248.9	114	14.5	57.9	86	29,040
Dyna-Gro Seed	D54SS74	STX, RR2, LL	236.4	114	14.8	57.3	90	29,621
Dyna-Gro Seed	D52DC82	VT2P, RR2	232.0	112	13.8	56.6	99	29,814
Dyna-Gro Seed	D51VC41	VT2P, RR2	228.9	111	15.4	57.4	85	29,208
Dyna-Gro Seed	D53VC33	VT2P, RR2	228.1	113	12.7	58.3	97	29,427
Dyna-Gro Seed	D51VC67	VT2P, RR2	226.6	111	14.7	56.8	84	29,621
<b>Average</b>			<b>252.6</b>	<b>114</b>	<b>15.3</b>	<b>57.8</b>	<b>95</b>	<b>29,679</b>

<sup>d</sup>LSD (P<0.30)

18.5

<sup>d</sup>LSD (P<0.05)

36.0

<sup>a</sup>Technology trait designations: LL=LibertyLink; RR2=Roundup Ready 2; STX=SmartStax; TRE=Trecepta; VT2P=VecTran Double Protection.

<sup>b</sup>Yields corrected to 15.5% moisture. Hybrid yields in bold are in the top LSD group (P<0.30).

<sup>c</sup>Relative maturity is provided by the respective companies and is the approximate time from planting to harvest maturity.

<sup>d</sup>If 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: Arkansas Valley Research Center (Kevin Tanabe, Lane Simmons, and Mike Bartolo)

Planting Date: April 27, 2020

Harvest Date: October 18, 2020

Fertilizer: N at 10, P at 26, and K at 3 lb/ac applied June 5

N at 173, K at 20, S at 33, and Zn at 2 lb/ac applied June 6

Herbicide: Status at 5 oz/ac and Mad Dog Plus (glyphosate) at 32 oz/ac on May 19

Soil Type: Rocky Ford silty clay loam

Trial Coordinates: 38.0389, -103.6933

Trial Comments: Trial was irrigated day after planting and frequently throughout the growing season, until early September. The station received 4 inches of snow on September 8th and reached a low temperature of 31.7°F on the morning of Sept. 9th.

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