

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

Brand	Hybrid	Insect and Herbicide Technology Traits	Yield ^a bu/ac	Relative Maturity ^b	Moisture percent	Test Weight lb/bu	Plant Height in	Population plants/ac
Hi Fidelity Genetics	HFG1142	Conventional	269.3	114	18.4	55.5	106	30,395
Hi Fidelity Genetics	HFG1111	Conventional	235.6	111	11.6	57.8	100	29,330
Hi Fidelity Genetics	HFG1121	Conventional	216.1	112	13.7	56.0	112	29,621
Hi Fidelity Genetics	HFG1091	Conventional	200.1	109	12.2	55.8	97	30,686
Average			230.3	112	14.0	56.3	104	30,008
°LSD (P<0.30)			8.6					
°LSD (P<0.05)			18.6					

^aYields corrected to 15.5% moisture.

^bRelative 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.

°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 2, 4-D at 1 pt/ac. Cultivated on June 8
 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.

This table may be reproduced only in its entirety.