



2023 Irrigated Corn Hybrid Performance Trial at Yuma

Brand	Hybrid	Insect and Herbicide Technology Traits ^a	Grain Yield ^b bu/ac	Yield % of test avg.	Relative Maturity ^c	Moisture percent	Test Weight lb/bu	Plant Height in	Population plants/ac
106-114 Relative Maturity									
Hoegemeyer Hybrids	7917 Q	Q, LL, RR2	253	114%	109	18	60	104	32,777
Hoegemeyer Hybrids	8235 Q	Q, LL, RR2	244	110%	112	20	60	111	32,668
Hoegemeyer Hybrids	7772 Q	Q, LL, RR2	239	108%	107	16	59	110	31,898
Pioneer	P0859 AM	AM, LL, RR2	238	108%	108	16	59	110	33,860
Dyna-Gro Seed	D49SP83	SSPro, LL, RR2	222	100%	109	15	60	108	34,609
Dekalb	DKC63-90	SXRA, LL, RR2	218	98%	113	13	59	106	34,552
Dyna-Gro Seed	D51SS61	SS, LL, RR2	217	98%	111	18	59	109	31,234
Dyna-Gro Seed	D54SS74	SS, LL, RR2	208	94%	114	18	59	105	30,910

96-105 Relative Maturity

Hoegemeyer Hybrids	7549 Q	Q, LL, RR2	242	110%	105	16	60	104	33,723
Channel Seed	204-54	VT2PRIB, RR2	225	102%	104	13	58	103	32,437
Channel Seed	201-07	SSPro, LL, RR2	219	99%	101	14	59	109	29,829
Dyna-Gro Seed	D45SP33	SSPro, LL, RR2	211	95%	105	11	57	102	29,868
Partners Brand	PB7311	D, RR2	191	86%	103	11	57	112	32,129
Partners Brand	PB6613	V, RR2	172	78%	96	12	59	111	32,118

Average 221 100% 107 15 59 107 32,300

Replicates 3 3 1 3

^dLSD (0.30) 9

^dLSD (0.05) 17

Coefficient of Variation (CV) 5

^aTechnology trait designations: AM=AcreMax; D=Duracade; LL=LibertyLink; Q=QROME; RR2=Roundup Ready 2; SS=SmartStax; SSPro=SmartStax Pro; SXRA=SmartStax RIB Complete; V=Viptera. 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.

^dIf the difference between varieties is equal to or greater than the LSD value, the chance the difference is significant is 70% (for LSD 0.30). There were no statistically significant differences at the 0.05 level. Farmers selecting a hybrid based on yield should use the LSD (.30) to protect themselves from false negative conclusions (concluding hybrids are the same when they are actually different). Companies or researchers may use LSD (.05) to avoid false positive conclusions (concluding hybrids are different when they are actually the same).

Site Information

Collaborator:	Byron Weathers
Planting Date:	May 10, 2023
Harvest Date:	October 18, 2023
Fertilizer:	Pre-Plant: N at 40, P at 9, K at 2, S at 11, Zn at 0.2, B at 1, Fe at 0.1, Mo at 0.03 lb/ac In-Season: N at 220
Soil Type:	Julesburg loamy sand
GPS Coordinates:	40.06591, -102.60361
Trial Comments:	Planted into corn stubble, excellent stands and emergence. Radar estimates showed the trial received about 21.6 inches of rain from planting to harvest, and 25.9 inches since January 1st, which is 140% of the ten-year average (year-to-date).

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Contact Sally Jones-Diamond at sally.jones@colostate.edu.