



2022 Irrigated Corn Hybrid Performance Trial at Yuma

Brand	Hybrid	Insect and Herbicide Technology Traits ^a	Grain Yield ^b		2-Year Avg. Yield bu/ac	Relative Maturity ^c	Moisture percent	Test Weight lb/bu	Plant Height in	Population plants/ac
			bu/ac	% of test avg.						
<u>110-114 Relative Maturity</u>										
Dyna-Gro Seed	D51VC67	VT2P, RR2	287	115%	282	111	20	56	93	30,000
Pioneer	P1366	AML, LL, RR2	280	113%	-	113	19	58	105	29,000
Dekalb	DKC64-64	STX, LL, RR2	278	112%	-	114	21	56	102	33,000
Dyna-Gro Seed	D51SS61	STX, LL, RR2	254	102%	246	111	22	56	97	30,000
Channel	212-52	SSPRORIB, LL, RR2	253	102%	-	112	19	57	96	28,000
Dyna-Gro Seed	D54SS34	STX, LL, RR2	252	101%	-	114	23	57	103	30,000
Dyna-Gro Seed	D53SS13	STX, LL, RR2	248	100%	-	113	21	58	110	31,000
Hoegemeyer Hybrids	8052 Q	Q, LL, RR2	245	99%	-	110	21	57	102	26,000
Dyna-Gro Seed	D52SS82	STX, LL, RR2	238	96%	-	112	18	57	103	29,000
Dyna-Gro Seed	D53TC23	VT2P, RR2	233	94%	-	113	20	58	97	30,000
<u>104-109 Relative Maturity</u>										
Dyna-Gro Seed	D49VC53	VT2P, RR2	276	111%	-	109	21	57	105	30,000
Hoegemeyer Hybrids	7843 AM	AM, LL, RR2	269	108%	-	108	19	57	105	30,000
Dyna-Gro Seed	D48SS50	STX, LL, RR2	249	100%	-	108	18	58	93	25,000
Hoegemeyer Hybrids	7772 Q	Q, LL, RR2	247	99%	251	107	19	57	98	28,000
Dyna-Gro Seed	D45TC55	TRE, RR2	242	97%	251	105	15	58	100	27,000
Pioneer	P0908	AML, LL, RR2	236	95%	-	109	19	58	109	30,000
Channel	209-06	STX, LL, RR2	236	95%	247	109	18	57	97	27,000
Hoegemeyer Hybrids	7523 Q	Q, LL, RR2	232	93%	-	105	18	58	107	27,000
Dyna-Gro Seed	D48VC84	VT2P, RR2	231	93%	-	108	18	58	90	27,000
Dyna-Gro Seed	D44SS54	STX, LL, RR2	228	92%	222	104	16	58	98	30,000
Dyna-Gro Seed	D47SS93	STX, LL, RR2	212	85%	-	107	18	57	101	28,000
Average			249	100%	250	110	19	57	101	28,800
			^d LSD (0.30)	16						
			^d LSD (0.05)	31						

^aTechnology trait designations: AM=AcreMax; AML=AcreMax Leptra; LL=LibertyLink; Q=QROME; RR2=Roundup Ready 2; SSPRORIB=SmartStax Pro w/RNAi Technology; STX=SmartStax; TRE=Trecepta; 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 conclusions (concluding hybrids are the same when they are actually different). Companies or researchers may be interested in the 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 7, 2022
Harvest Date: October 21, 2022
Soil Type: Julesburg loamy sand
GPS Coordinates: 40.0667, -102.6045

The data included in this table may not be republished without permission. Contact Sally Jones-Diamond at sally.jones@colostate.edu.