



## 2022 Irrigated Corn Hybrid Performance Trial at Sterling

Brand	Hybrid	Insect and Herbicide Technology Traits <sup>a</sup>	Grain Yield <sup>b</sup>		2-Year Avg. Yield bu/ac	Relative Maturity <sup>c</sup>	Moisture percent	Test Weight lb/bu	Population plants/ac
			bu/ac	% of test avg.					
<b>110-114 Relative Maturity</b>									
Dyna-Gro Seed	D53TC23	VT2P, RR2	<b>249</b>	118%	-	113	22	57	28,800
NK Seeds	NK1082	5222, RR2	231	109%	-	110	22	56	33,200
Dyna-Gro Seed	D51SS61	STX, LL, RR2	230	109%	229	111	21	57	31,200
Dyna-Gro Seed	D52SS82	STX, LL, RR2	228	108%	-	112	20	58	29,100
Dyna-Gro Seed	D53SS13	STX, LL, RR2	223	106%	-	113	21	59	31,600
Pioneer	P1089	AM, LL, RR2	220	104%	-	110	21	59	30,700
Dyna-Gro Seed	D51VC67	VT2P, RR2	206	97%	230	111	22	56	27,300
Dyna-Gro Seed	D54SS34	STX, LL, RR2	171	81%	-	114	22	58	28,100
<b>106-109 Relative Maturity</b>									
Dyna-Gro Seed	D48SS50	STX, LL, RR2	229	109%	-	108	21	58	29,900
Dyna-Gro Seed	D48VC84	VT2P, RR2	226	107%	-	108	21	57	32,000
Channel	209-06	STX, LL, RR2	225	106%	-	109	20	58	30,100
Dyna-Gro Seed	D49VC53	VT2P, RR2	215	102%	-	109	22	56	32,700
Dyna-Gro Seed	D47SS93	STX, LL, RR2	212	101%	-	107	19	59	28,500
Dekalb	DKC59-81	STX, LL, RR2	210	99%	216	109	20	59	31,900
Dekalb	DKC56-65	STX, LL, RR2	205	97%	208	106	20	60	28,500
NK Seeds	NK0821	5122, RR2	196	93%	-	108	22	57	28,100
<b>99-105 Relative Maturity</b>									
Dyna-Gro Seed	D45TC55	TRE, RR2	219	104%	167	105	20	58	35,300
NK Seeds	NK0243	5122, RR2	205	97%	-	102	18	60	28,000
Channel	205-70	STX, LL, RR2	204	97%	-	105	19	60	28,800
NK Seeds	NK9991	5122, RR2	201	95%	-	99	20	60	30,200
Channel	203-83	STX, LL, RR2	200	95%	-	103	18	60	27,800
NK Seeds	NK0007	3120A, RR2	193	92%	-	100	18	60	32,300
Dyna-Gro Seed	D44SS54	STX, LL, RR2	189	90%	189	104	18	60	33,000
NK Seeds	NK0440	3122, RR2	178	84%	-	104	20	59	33,300
<b>Average</b>			<b>211</b>	<b>100%</b>	<b>206</b>	<b>108</b>	<b>20</b>	<b>58</b>	<b>30,400</b>
<sup>d</sup> LSD (0.30)			14						
<sup>d</sup> LSD (0.05)			27						

<sup>a</sup>Technology trait designations: 5122=Agrisure Duracade 5122 E-Z; 5222=Agrisure Duracade 5222 E-Z; 3120A=Agrisure 3122 E-Z Refuge; 3122=Agrisure 3122 E-Z Refuge; AM=AcreMax; AML=AcreMax Leptra; LL=LibertyLink; RR2=Roundup Ready 2; STX=SmartStax; TRE=Trecepta; VT2P=VecTran Double Protection. For a list of specific pests controlled by each trait, please click [here](#).

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

<sup>c</sup>Relative 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.

<sup>d</sup>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 be interested in the LSD (.05) to avoid false positive conclusions (concluding hybrids are different when they are actually the same).

### Site Information

Collaborator: Kevin Luft  
Planting Date: May 1, 2022  
Harvest Date: October 26, 2022  
Soil Type: Nunn clay loam  
GPS Coordinates: 40.6673021, -103.1769627

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