



2020 Limited Irrigation Corn Variety
Performance Trial at Wiggins

Brand	Hybrid	Insect and Herbicide Technology Traits ^a	Yield ^b bu/ac	2-Year Avg. Yield bu/ac	Relative Maturity ^c	Moisture percent	Test Weight lb/bu	Plant Height in	Population plants/ac
Dyna-Gro Seed	D54SS74	STX, RR2, LL	128.6	159.6	114	16.0	57.6	76	32,860
Dyna-Gro Seed	D45TC55	TRE, RR2	114.3	-	105	11.0	59.1	78	33,221
Dyna-Gro Seed	D53TC19	TRE, RR2	111.5	157.2	113	14.7	59.4	76	33,726
Dyna-Gro Seed	D51VC67	VT2P, RR2	110.8	140.5	111	13.6	58.9	74	32,051
Pioneer	P0622AML	AML, RR2, LL	109.9	128.0	106	12.1	58.8	78	32,125
Dyna-Gro Seed	D51VC41	VT2P, RR2	109.5	-	111	14.1	58.6	73	33,594
Mycogen Seeds	1490Q	Qrome, RR2, LL	108.3	-	104	11.0	59.3	79	34,198
Dyna-Gro Seed	D52SS63	STX, RR2, LL	100.7	140.9	112	14.5	58.3	87	33,105
Dyna-Gro Seed	D48QV22	3330, RR2	99.8	-	108	11.7	58.1	84	31,190
Dyna-Gro Seed	D48VC76	VT2P, RR2	98.6	141.2	108	13.2	58.3	80	32,802
Golden Harvest	G08D29	5122, RR2, LL	98.5	-	108	14.3	58.5	80	32,299
Dyna-Gro Seed	D52DC82	VT2PRIB, RR2	98.1	-	112	13.3	58.6	82	29,910
Mycogen Seeds	1040AMXT	AMXT, RR2, LL	91.3	-	100	12.1	57.8	78	33,930
Dyna-Gro Seed	D53VC33	VT2P, RR2	90.2	139.8	113	11.7	57.3	84	31,654
Dyna-Gro Seed	D43SS81	STX, RR2, LL	84.5	121.1	103	12.1	58.7	75	32,159
Dekalb	DKC54-64RIB	STXRIB, RR2, LL	83.0	-	104	13.2	58.5	73	32,359
Dekalb	DKC55-85RIB	VT2PRIB, RR2	80.8	-	105	10.9	57.4	72	33,742
Dyna-Gro Seed	D44SS54	STX, RR2, LL	76.1	-	105	12.4	58.7	69	32,934
Average			99.7	141.1	108	12.9	58.4	78	32,659
^d LSD (P<0.30)			8.6						
^d LSD (P<0.05)			16.5						

^aTechnology trait designations: 3330=Agrisure Viptera 3330 E-Z Refuge; 5122=Agrisure Duracade 5122 E-Z Refuge; AML=AcreMax Leptra; AMLXT=AcreMax Xtreme; LL=LibertyLink; RR2=Roundup Ready 2; STX=SmartStax; STXRIB=SmartStax Refuge in the Bag Complete; TRE=Trecepta; VT2P=VecTran Double Protection; VT2PRIB=VecTran Double Protection Refuge in the Bag Complete.

^bYields corrected to 15.5% moisture. Hybrid yields in bold are in the top LSD group (P<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 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: Cooksey Farms
 Planting Date: May 8, 2020
 Harvest Date: October 23, 2020
 Soil Type: Heldt clay
 Trial Coordinates: 39.993, -104.11
 Trial Comments: Low-water capacity well. Trial received infrequent and low rainfall totaling about 1" in June and 1.3" in July. About 1.5" of rain received from August through harvest in October. Hard freeze occurred on Sept. 9th (<30°F).

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