

**2008 Irrigated Corn Variety Performance Trial at Yuma**

Hybrid	Yield	Grain Moisture	Test Weight	Plant Height	Plant Population	Lodging
	<u>bu/ac</u>	<u>%</u>	<u>lb/bu</u>	<u>in</u>	<u>plants/ac</u>	<u>%</u>
Trisler T-5N51VT3	242.5	17.0	55.9	87.3	35129	21.7
DEKALB DKC61-69 (VT3)	235.9	17.3	54.9	90.7	34005	7.4
LG Seeds LG2619BT3	230.9	19.2	53.1	91.0	35035	9.5
Dyna-Gro Seed CXO8514 YGCB	228.1	19.7	53.8	86.0	34754	8.9
LG Seeds LG2552VT3	225.0	18.2	51.5	89.3	34286	16.3
DEKALB DKC52-59 (VT3)	223.8	14.4	56.2	80.0	35223	1.1
Producers Hybrids 7414VT3	221.5	18.9	51.6	91.3	36722	8.4
Mycogen Seeds 2C727	221.5	17.3	53.3	85.0	34473	17.9
DEKALB DKC55-24 (VT3)	221.4	15.2	57.7	86.7	34567	4.8
Producers Hybrids 7374VT3	218.5	19.3	52.8	89.7	33255	1.7
DEKALB DKC54-16 (VT3)	217.9	16.2	56.8	85.3	35972	5.5
DEKALB DKC63-42 (VT3)	217.8	15.9	57.1	82.0	36159	2.6
Dyna-Gro Seed 57P93 RR2/YGCB	217.3	19.0	53.5	93.3	35316	1.9
Mycogen Seeds 2D675	217.2	17.1	54.8	88.3	35223	18.3
DEKALB DKC62-29 (VT3)	216.8	17.6	57.4	89.0	35878	1.6
Dyna-Gro Seed 57V07 VT3	215.6	19.6	51.5	90.7	34473	4.0
Trisler T-7N57VT3	214.9	19.3	53.5	91.3	36159	10.3
Trisler T-5N52VT3	213.9	14.7	55.7	84.0	37096	3.3
Dyna-Gro Seed 57T61 RR2/LL/HXI	211.3	19.2	52.8	93.3	35691	61.9
LG Seeds LG2627VT3	211.1	18.8	53.3	90.7	35972	66.5
Dyna-Gro Seed 57V98 VT3	208.8	17.3	56.9	87.3	34192	7.5
Trisler T-7A14CB	207.4	16.3	58.1	89.7	35504	4.2
DEKALB DKC60-18 (RR2/YGPL)	206.6	17.3	55.5	85.0	35691	5.7
Dyna-Gro Seed 57V30 VT3	204.9	16.6	57.3	85.3	36159	0.6
Trisler T-6A02VT3	204.5	17.1	54.5	91.0	34942	4.0
Dyna-Gro Seed 57V77 VT3	204.4	17.2	54.7	89.7	35691	15.7
Triumph TRX8591 HXRR	204.4	17.4	55.4	91.0	35785	7.1
Dyna-Gro Seed 57V05 VT3	203.6	20.6	51.3	92.7	35878	27.5
Trisler T-4S61VT3	203.5	16.2	44.0	90.7	34567	10.4
Dyna-Gro Seed 57R91 RR2/LL/HXX	202.9	15.8	56.7	85.3	36534	10.5
Dyna-Gro Seed 57B94 RR2/YGPL	202.6	19.7	53.4	87.7	34567	3.3
Dyna-Gro Seed 55B49 RR2/YGPL	202.5	15.8	58.4	83.3	34661	8.4
Producers Hybrids 7325VT3	202.3	18.6	54.1	88.7	35785	68.6
Triumph 8607CbRR	201.4	16.5	56.5	88.3	36159	7.0
LG Seeds LG2641VT3	201.3	19.4	51.7	84.3	35410	19.0
Mycogen Seeds 2R577	200.2	16.3	55.1	89.7	34848	28.7
Mycogen Seeds 2K718	199.4	17.5	55.2	93.0	35878	8.8
Producers Hybrids 7134VT3	199.4	18.2	52.5	88.0	34942	12.2
Dyna-Gro Seed 57V21 VT3	198.6	19.6	53.2	87.3	35972	14.3
Dyna-Gro Seed CXO8216 VT3	197.8	22.1	49.8	93.3	35597	12.5
Dyna-Gro Seed CXO7110 VT3	197.5	16.1	54.9	88.7	35504	11.6
Dyna-Gro Seed CXO8808 RR2	192.7	16.0	57.3	87.3	36441	28.6
Trisler T-7N53VT3	189.0	18.7	54.9	94.3	34942	18.0
Dyna-Gro Seed 57V62 VT3	186.7	18.2	55.2	88.3	35878	38.7
DEKALB DKC49-32 (VT3)	186.2	14.0	56.8	82.3	34286	4.3
Trisler T-6N52PL	183.6	17.2	56.0	82.3	35129	4.6
Mycogen Seeds 2J529	176.7	15.2	57.8	85.7	35972	12.5
Triumph 1109VT3	174.5	15.9	55.3	93.7	34661	21.9
<b>Average</b>	<b>207.6</b>	<b>17.5</b>	<b>54.6</b>	<b>88.3</b>	<b>35353</b>	<b>14.4</b>
LSD <sub>0.30</sub>	12.6					
LSD <sub>0.05</sub>	23.9					

LSD<sub>(0.30)</sub> is most useful for producers using these results to select a variety but some collaborators find LSD<sub>(0.05)</sub> useful.

Experimental Design: randomized complete block, 3 replications

Plot Size: 5' x 31'

**Site Information**

Collaborator: Larry Gardener

Soil Type: Manter loamy sand

Previous Crop: corn

Planting Date: 5/14/08

Irrigation: sprinkler

Fertilization: N-P-K-S-Zn-Fe-Mg (240-59-32-32-0.1-0.1-0.1) lb/ac

Herbicide: Round-up

Insecticide: none

Harvest Date: 11/22/08

Yields corrected to 15.5 % moisture