

## Irrigated Corn Variety Performance Trial at Wiggins<sup>1</sup> in 2007.

Hybrid	Yield <sup>2</sup>	Grain Moisture	Test Weight	Plant Height	Density	Lodging
	bu/ac	%	lb/bu	in	plants/ac	%
DEKALB DKC52-63 (RR2/YGCB)	261.7	12.6	59.7	91	34557	0.5
Dyna-Gro 56B56 (RR2/YGPL)	242.4	13.2	59.0	92	33204	2.1
Triumph 3203RR	239.9	12.3	58.0	92	32375	0.4
LG Seeds LG 2514 (BT/RR)	238.5	15.2	59.3	91	33167	0.9
DEKALB DKC60-18 (RR2/YGPL)	236.7	13.1	58.6	89	33461	0.0
DEKALB DKC61-73 (RR2/YGCB)	236.2	16.0	58.6	93	31523	0.3
Dyna-Gro 55P86 (RR2/YGCB)	234.1	14.0	58.3	90	32567	0.5
Fontanelle 5N751	227.6	12.3	60.3	96	31996	1.0
Mycogen 2C727 (HXI)	227.3	15.5	56.8	92	30507	1.0
Dyna-Gro 57F20 (YGCB)	226.2	15.1	57.2	92	34273	1.1
DEKALB DKC54-46 (RR2/YGPL)	224.8	12.7	61.0	91	34635	1.7
DEKALB DKC62-33 (RR2/YGCB)	224.5	15.9	59.7	95	34102	0.6
Mycogen 2J527 (HXI)	223.5	12.7	60.1	92	33443	2.3
Triumph 6512PLRR	221.7	12.4	60.9	88	33365	1.8
Dyna-Gro 57P93 (RR2/YGCB)	221.1	14.1	58.0	95	32905	1.8
LG Seeds LG 2524 (HX/LL)	221.0	13.3	59.4	93	31823	4.2
Mycogen 2D675 (HXI/RR)	219.2	15.3	56.9	93	34342	1.4
Dyna-Gro 55B65 (RR2/YGPL)	216.4	13.0	59.7	92	29567	1.3
Fontanelle 5N515	212.2	12.3	61.8	93	32589	0.5
Mycogen 2T787 (HX XTRA)	211.3	16.1	57.6	95	30018	4.3
Dyna-Gro 57P69 (RR2/YGCB)	207.6	13.7	58.3	88	31030	0.9
Dyna-Gro 54T42 (RR2/HXI)	207.1	12.4	59.5	91	30533	3.5
Dyna-Gro 53P87 (RR2/YGCB)	206.8	11.2	59.1	85	32495	0.0
Dyna-Gro 55P79 (RR2/YGCB)	200.9	13.9	59.2	95	32425	0.3
DEKALB DKC64-76 (RR2/YGPL)	196.7	15.5	60.5	86	33175	1.2
Mycogen 2K718 (HXI/RR)	190.1	16.4	57.2	94	32707	2.3
Mycogen 2C597 (HXI/RR)	189.1	13.4	58.3	97	32028	9.3
Dyna-Gro 56B83 (RR2/YGPL)	172.5	13.6	59.4	91	32480	1.1
<b>Average</b>	<b>219.2</b>	<b>13.8</b>	<b>59.0</b>	<b>92</b>	<b>32546</b>	<b>1.7</b>
<sup>3</sup> LSD <sub>(0.30)</sub>	15.5	0.9	0.6	4.9	2032.6	
<sup>3</sup> LSD <sub>(0.05)</sub>	29.8	1.7	1.1	9.5	3894.2	

<sup>1</sup>Trial conducted on the Rod Graves farm, farm manager Ralph Beauprez; seeded 5/2 and harvested 10/7.

<sup>2</sup>Yields corrected to 15.5% grain moisture.

<sup>3</sup>LSD<sub>(0.30)</sub> is more useful for producers using these results to select a variety but some seed company collaborators wish to use LSD<sub>(0.05)</sub>.

\*Ear drop insignificant.

### Site Information

Plot Size: 5' x 31' with 30" row spacing

Experimental Design: randomized complete block, 3 replications

Seeding Rate: approximately 34,000 seeds/acre

Previous Crop: corn

Irrigation: sprinkler

Growing Degree Days: 2778 (2007 GDD); 2667 (Long Term Ave GDD)

Soil Type: Bijou loamy sand

Fertilization: 240 lbs N acre<sup>-1</sup>; 25 lbs P<sub>2</sub>O<sub>5</sub> acre<sup>-1</sup>; 40 lbs K<sub>2</sub>O acre<sup>-1</sup>

Herbicide: Lumax

Insecticide: none

**2-Yr Average Irrigated Corn Variety Performance at Wiggins in 2006-07.**

Hybrid	Grain		Test
	Yield	Moisture	Weight
	bu/ac	%	lb/bu
DEKALB DKC60-18 (RR2/YGPL)	223.5	14.2	57.6
DEKALB DKC54-46 (RR2/YGPL)	223.1	13.6	59.4
Dyna-Gro 55P86 (RR/YGCB)	214.0	14.8	57.5
Dyna-Gro 57P69 (RR/YGCB)	200.5	14.9	56.8
Dyna-Gro 55B65 (RR/YGPL)	174.8	13.3	57.6
<b>Average</b>	<b>207.2</b>	<b>14.1</b>	<b>57.8</b>