

**Irrigated Corn Variety Performance Trial at Burlington<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	%
Fontanelle 8K389	272.3	16.7	58.0	92	29874	14.8
Mycogen 2C727 (HXI)	262.7	16.9	56.6	95	31155	8.7
NK Brand N72-Q6	252.3	17.9	57.0	91	30157	5.5
Dyna-Gro 57P93 (RR2/YGCB)	250.0	18.8	57.6	92	30162	4.6
DEKALB DKC60-18 (RR2/YGPL)	249.4	16.8	58.2	91	30452	6.3
DEKALB DKC62-33 (RR2/YGCB)	248.1	18.2	59.2	89	31969	1.9
NK Brand N68-B8	247.3	17.5	56.5	88	30265	1.5
LG Seeds LG 2614 (BT/RR)	244.3	18.1	58.6	91	28593	8.1
NK Brand N70-C7	242.9	19.2	56.8	90	30389	5.7
Producers Hybrids 7134VT3	242.7	16.3	55.4	96	29811	16.5
Producers Hybrids 7329HX	241.1	18.5	57.6	91	30755	56.3
DEKALB DKC52-63(RR2/YGCB)	239.7	15.6	58.4	89	31057	5.6
Dyna-Gro 56B56 (RR2/YGPL)	238.7	15.6	58.4	92	29696	10.4
Dyna-Gro 57P69 (RR2/YGCB)	238.3	19.3	57.1	92	30975	14.3
Triumph 1109PL	238.0	16.4	58.1	87	32319	13.5
Dyna-Gro 55P79 (RR2/YGCB)	236.6	16.0	58.3	91	30330	20.6
Dyna-Gro 57F20 (YGCB)	235.5	16.9	56.8	91	28874	13.6
DEKALB DKC61-73 (RR2/YGCB)	234.2	16.7	58.1	91	29652	7.6
Check One <sup>3</sup>	232.8	17.0	58.1	95	29637	4.0
Dyna-Gro 57V05 (YGV T Triple)	231.9	20.2	56.1	95	30446	19.5
LG Seeds LG 2552BTRW	231.8	17.7	56.5	92	29696	9.6
Mycogen 2K718 (HXI/RR)	231.0	16.9	57.4	90	30568	38.2
Dyna-Gro 57F37 (YGCB)	227.7	17.2	58.7	91	30720	14.3
Dyna-Gro 57F06 (YGCB)	226.8	16.6	57.8	94	28945	29.1
DEKALB DKC64-76 (RR2/YGPL)	226.1	18.3	59.6	89	29980	1.5
NK Brand N76-D3	226.0	17.5	54.8	85	32412	12.7
DEKALB DKC54-46 (RR2/YGPL)	223.9	15.2	59.2	96	31655	14.2
Triumph 8607CbRR	222.5	16.9	58.7	91	30258	20.6
Producers Hybrids 7484VT3	222.5	17.7	59.1	89	30621	23.5
Fontanelle 8B595	222.4	18.5	57.7	97	31067	11.4
Dyna-Gro 55P86 (RR2/YGCB)	222.1	15.7	58.2	95	30783	8.0
Mycogen 2C597 (HXI/RR)	216.7	17.6	57.1	88	30368	13.2
Triumph 6512PLRR	216.6	16.2	59.6	95	30322	6.2
Mycogen 2T787 (HX XTRA)	215.7	17.6	57.6	88	28759	48.5
Mycogen 2D675 (HXI/RR)	212.8	14.9	56.0	91	29242	9.6
Dyna-Gro 57V44 (YGV T Triple)	205.9	15.8	58.1	95	29285	49.3
Dyna-Gro 56B83 (RR2/YGPL)	205.3	15.9	58.5	92	32131	2.0
LG Seeds LG 2590BTRWRR	204.0	16.2	58.1	91	30164	67.9
Dyna-Gro 57X97 (HXI)	202.3	16.4	57.2	88	28540	56.8
Dyna-Gro 55B65 (RR2/YGPL)	192.9	16.0	59.8	91	29994	4.0
<b>Average</b>	<b>230.9</b>	<b>17.1</b>	<b>57.8</b>	<b>91</b>	<b>30302</b>	<b>17.0</b>
<sup>4</sup> LSD <sub>(0.30)</sub>	18.8	1.0	0.8	5.2	1799.8	
<sup>4</sup> LSD <sub>(0.05)</sub>	35.9	1.8	1.6	9.9	3434.2	

<sup>1</sup>Trial conducted on the Don Sircy farm; seeded 05/07 and harvested 10/16.

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

<sup>3</sup>Check One is NC+49-46RB.

<sup>4</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: pinto beans

Irrigation: sprinkler

Growing Degree Days: 2783 (2007 GDD); 2673 (Long Term Ave GDD)

Soil Type: Rago silt loam

Fertilization: 190 lbs N acre<sup>-1</sup>

Herbicide: Lumax

Insecticide: none

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

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		Moisture	Weight
	bu/ac	%	lb/bu
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Dyna-Gro 57P93 (RR/YGCB)	237.3	18.7	56.6
NK Brand N70-C7	235.1	19.0	56.4
Dyna-Gro 57P69 (RR/YGCB)	226.1	18.7	56.3
Dyna-Gro 57F37 (YGCB)	224.4	17.5	57.9
DEKALB DKC54-46 (RR2/YGPL)	217.5	14.8	59.0
Dyna-Gro 57F06 (YGCB)	215.1	16.6	56.9
Dyna-Gro 57X97 (HXI)	209.8	17.7	55.7
NK Brand N76-D3	205.3	19.1	54.2
<b>Average</b>	<b>228.7</b>	<b>17.7</b>	<b>56.7</b>