

2007 Colorado and Nebraska Skip Row vs Full Row Dryland Corn Variety Research Results.

Hybrid (alphabetical)	Akron, CO ¹		Dailey, CO ²		North Platte, NE ³		Sidney, NE ⁴	
	Skip Row Yield ⁵	Full Row Yield ⁵	Skip Row Yield ⁵	Full Row Yield ⁵	Skip Row Yield ⁵	Full Row Yield ⁵	Skip Row Yield ⁵	Full Row Yield ⁵
	bu/ac	bu/ac	bu/ac	bu/ac	bu/ac	bu/ac	bu/ac	bu/ac
DEKALB DKC52-63 (RR2/YGCB)	53.1	50.5	83.0	83.8	115.6	145.6	100.6	106.7
DEKALB DKC58-16 (VT3)	43.8	35.9	75.5	65.9	108.5	133.9	101.6	121.0
DEKALB DKC58-16 (VT3)+Micro-AZ ⁶	48.4	38.3	85.1	67.5	123.4	141.2	115.1	128.9
DEKALB DKC58-16 (VT3)+Myconate ⁷	62.3	46.9	74.0	75.2	120.6	138.2	114.6	115.8
Dyna-Gro 53P87 (RR2/YGCB)	33.1	29.9	83.3	68.0	97.6	133.5	90.6	119.3
Dyna-Gro 54T42 (RR2/HXI)	37.6	23.5	77.9	69.1	122.0	147.4	103.5	104.1
Dyna-Gro 55B65 (RR2/YGPL)	57.5	45.0	74.2	71.6	98.7	115.2	100.8	114.1
Dyna-Gro 55P79 (RR2/YGCB)	49.4	32.0	77.5	72.4	115.0	125.6	98.2	111.1
Dyna-Gro 57P69 (RR2/YGCB)	47.1	43.4	86.7	78.2	119.2	130.8	102.8	118.6
Dyna-Gro 57P93 (RR2/YGCB)	47.9	30.4	73.3	63.5	123.1	145.7	108.4	115.3
LG Seeds LG 2475 (BT/RR)	47.6	37.5	75.5	75.1	103.0	121.8	95.2	108.9
LG Seeds LG 2514 (BT/RR)	48.2	36.9	78.8	71.2	95.5	126.6	87.9	109.6
Average	48.0	37.5	78.7	71.8	111.9	133.8	101.6	114.4
LSD _(0.30)	11.4	14.1	7.1	9.5	5.3	9.8	8.2	11.4

¹Trial conducted at the Central Great Plains Research Station.

²Trial conducted on the Mark and Neil Lambert farm.

³Trial conducted at the University of Nebraska West Central Research and Extension Center.

⁴Trial conducted at the University of Nebraska High Plains Ag Lab.

⁵Yields corrected to 15.5% grain moisture.

⁶**TerraMax's Micro-AZ:** TerraMax's Micro-AZ is a stabilized formulation of two beneficial micro-organisms, *Azospirillum brasilense* and *lipoferum*, in a nutrient blend that increases shelf life and bacteria survivability. This product, available in both liquid and dry formulations, is intended to stimulate root growth and enhance the germination process in grasses, for increased root mass, stand and yield. The organisms in Micro-AZ are naturally occurring and will not harm the environment. TerraMax can be reached at 651-458-4401, or www.terramaxag.com.

⁷Myconate® is a signal compound put out by plant roots in times of stress that is intended to encourage beneficial fungi (mycorrhizae) to colonize them. This simple compound is non-toxic, is quickly broken down in the soil, and is effective in very small quantities. It is available in several formulations some of which are water soluble and is easy to apply to seeds or to soil. Myconate® is a trademark product of Plant Health Care, Inc., 440 William Pitt Way, Pittsburgh, PA 15238, telephone 412-826-5488 x152.

<u>Site Information</u>	<u>Akron, CO</u>	<u>Dailey, CO</u>	<u>North Platte, NE</u>	<u>Sidney, NE</u>
Skip row configuration	Plant 2 skip 2	Plant 2 skip 2	Plant 2 skip 2	Plant 2 skip 2
Full row configuration	Plant all 4 rows	Plant all 4 rows	Plant all 4 rows	Plant all 4 rows
Date of Planting:	5/17/07	5/19/07	5/9/07	5/14/07
Date of Harvest:	10/29/07	10/17/07	10/11/07	10/12/07
Plot Size:	Skip Row = 10' x 31' Full Row = 5' x 31'	Skip Row = 10' x 31' Full Row = 5' x 31'	Skip Row = 15' x 30' Full Row = 10' x 30'	Skip Row = 10' x 24' Full Row = 5' x 24'
Experimental Design:	4 replications	4 replications	4 replications	4 replications
Seeding Rate:	Skip Row=15,000 seeds/ac Full Row=15,500 seeds/ac	Skip Row=15,000 seeds/ac Full Row=15,500 seeds/ac	Skip Row=15,000 seeds/ac Full Row=15,500 seeds/ac	Skip Row=15,000 seeds/ac Full Row=15,500 seeds/ac
Previous Crop:	wheat	wheat	wheat	wheat
Soil Type:	Rago silt loam	Haxtun sandy loam	Holdrege silt loam	
Fertilization:	None	86 lbs N acre ⁻¹ ; 45 lbs P ₂ O ₅ acre ⁻¹	80 lb N preplant as 32-0	
Herbicide:	Round-up	Round-up; Atrazine	Glyphos Xtra; Lumax; Atrazine; Round-up	Atrazine; Dual II; 2,4-D Amine; Round-up
Insecticide:	None	None	Lorsban at planting 8 oz/1000' row	None