

**2011 Organic Corn Special Report for Minnesota South [ MNSO ]**

Mark Querna, Waseca County, MN [ NEW RICHLAND ]

**EARLY SEASON TEST**
**90 - 100 Day CRM**

2010/2009 CROP: Alfalfa Hay/Alfalfa Hay O1MNC02  
 SOIL DESCRIPTION: Nicollet-Webster clay loam, well drained, moldboard plowed in spring, non-irrigated  
 SOIL CONDITION: High P, high K, 6.1 pH, 4.4% OM  
 PEST MANAGEMENT: Tine drag at emergence, Cultivation (once) 30" ROW SPACING  
 FERTILITY - Applied N: 1,000 lbs chicken manure pellets (5-3-2.5); 500 lbs Ca (21) and P (24)  
 Applied N-P-K (units): 50-150-25 CEC 27.9  
 SEEDED - RATE: Jun 6 35,680 /A **TOP 24 OF 24 FOR GROSS INCOME (SORTED BY YIELD)**  
 HARVESTED - STAND: Oct 28 26,000 /A AVERAGE of (3) REPLICATIONS

Company/Brand	Product/Brand	Status <sup>†</sup>	End Use <sup>††</sup>	RM	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Prairie Hybrids	590	C	Dual	95	<b>144.0</b>	15.0	0.0	26.7	1,440.0	1
Great Harvest	GHO40B8	O	Food	100	<b>139.5</b>	15.6	0.0	28.4	1,392.9	2
CB Seed	X24072	C	Feed	89	138.2	15.7	0.3	25.8	1,379.6	3
Blue River	39B17	O	Feed	96	137.7	14.3	0.0	25.4	1,377.0	4
Masters Choice	OG4430	O	Food	94	136.1	14.2	0.0	22.4	1,361.0	5
Blue River	34C17	O	Feed	94	135.0	14.9	0.0	29.5	1,350.0	6
Viking	80-92VNT	C	Feed	92	131.7	14.7	0.0	28.0	1,317.0	7
Blue River	25A16	O	Feed	87	131.5	13.8	0.0	26.7	1,315.0	8
Blue River	41R00	O	Dual	99	131.2	14.7	0.0	28.8	1,312.0	9
Blue River	26A17	O	Feed	88	129.3	14.2	0.0	25.7	1,293.0	10
CB Seed	X24082	C	Feed	88	126.2	14.3	0.3	26.6	1,262.0	11
Blue River	45R37	O	Feed	99	127.2	18.2	0.0	25.4	1,261.8	12
Viking	O69-99N	O	Feed	101	125.2	15.9	0.0	29.3	1,249.2	13
Prairie Hybrids	0371	O	Feed	90	123.9	14.4	0.0	25.3	1,239.0	14
Pioneer	38A56 GC	C	Feed	97	122.4	16.2	0.0	26.3	1,220.3	15
Prairie Hybrids	1711	O	Feed	102	121.6	16.8	0.0	23.9	1,210.5	16
Viking	7292	O	Feed	95	117.5	15.2	0.0	24.8	1,174.4	17
CB Seed	X24052	C	Feed	89	115.4	15.1	0.0	25.7	1,153.7	18
Viking	O67-01N	O	Feed	101	115.6	17.4	0.0	27.9	1,149.1	19
Viking	O39-92N GC	O	Feed	92	113.5	15.8	0.0	27.0	1,132.7	20
CB Seed	X10S111	C	Feed	97	112.4	16.8	0.0	20.5	1,118.9	21
Cappel	336S GC	O	Feed	96	105.4	14.7	0.0	26.4	1,054.0	22
Viking	O6710	O	Feed	98	104.3	15.7	0.0	24.0	1,041.2	23
CB Seed	CB10S98	C	Dual	94	103.8	15.4	0.0	24.4	1,037.0	24
Test Average =					<b>124.5</b>	<b>15.4</b>	<b>0.0</b>	<b>26.0</b>	<b>1,243.4</b>	
LSD (0.10) =					13.9	1.1	0.2			
C.V. =					8.2	5.3				

  
 F.I.R.S.T. Manager

**TEST COMMENTS:** *Planting conditions were very good, but excess moisture through the end of June kept the soil profile water-logged. Some individual plots were affected more than others by excess water. July brought more heat and high humidity, but the crop here still lagged behind in maturity. A killing frost on Sept 15 left test weights lighter than average.*
Lat: N43.91419, Long: W-93.45607

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Price = \$10.00

<sup>†</sup> STATUS: O=Organic Seed, C=Conventional non-GMO Untreated Seed  
<sup>††</sup> End Use: Feed Use, Food Use, Dual Use (feed/silage)  
 Identifies the check brand included in early- and full-season tests. **Bold** yields are significantly above test average. **Italicized** brands exceed the grain moisture limit for this test. **GC** = grower comparison product, \* = brands without a seed lot number; **ns** = not significantly different

**2011 Organic Corn Special Report for Minnesota South [ MNSO ]**

Mark Querna, Waseca County, MN [ NEW RICHLAND ]

**FULL SEASON TEST**
**100 - 105 Day CRM**

O1MNSO04

PREV. CROP/HERB: Alfalfa Hay/Alfalfa Hay  
 SOIL DESCRIPTION: Nicollet-Webster clay loam, well drained, moldboard plowed in spring, non-irrigated  
 SOIL CONDITIONS: High P, high K, 6.1 pH, 4.4% OM  
 PEST MANAGEMENT: Tine drag at emergence, Cultivation (once)  
 FERTILITY - Applied N: 1,000 lbs chicken manure pellets (5-3-2.5); 500 lbs Ca (21) and P (24)  
 Applied N-P-K (units): 50-150-25 CEC 27.9

30" ROW SPACING

SEEDED - RATE: Jun 6 35,680 /A  
 HARVESTED - STAND: Oct 28 27,800 /A

**TOP 30 OF 30 FOR GROSS INCOME (SORTED BY YIELD)**

AVERAGE of (3) REPLICATIONS

Company/Brand	Product/Brand	Status <sup>†</sup>	End Use <sup>††</sup>	RM	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Viking	80-92VNT	C	Feed	92	<b>165.3</b>	14.1	0.0	28.6	1,653.0	1
Viking	O69-99N	O	Feed	101	<b>158.2</b>	17.3	0.0	26.9	1,572.9	2
Masters Choice	OG4430	O	Food	94	149.4	13.6	0.0	25.4	1,494.0	3
Great Harvest	GHO44B8	O	Food	104	148.9	19.0	0.0	32.8	1,474.1	4
Prairie Hybrids	EX8380	C	Feed	104	144.7	16.9	0.0	28.7	1,440.1	5
Blue River	41R00	O	Dual	99	143.8	13.8	0.0	30.5	1,438.0	6
Pioneer	35F38 GC	C	Feed	105	143.2	17.9	0.0	28.6	1,421.6	7
Great Harvest	GHO40B8	O	Food	100	139.3	15.1	0.0	27.6	1,392.7	8
Blue River	45R37	O	Feed	99	137.5	17.8	0.0	27.6	1,365.4	9
Viking	7292	O	Feed	95	134.9	15.1	0.0	25.2	1,348.7	10
Prairie Hybrids	3081	O	Food	104	134.6	15.9	0.0	29.9	1,343.0	11
CB Seed	X10S111	C	Feed	97	131.9	15.8	0.0	21.1	1,316.4	12
CB Seed	CB5544	C	Dual	105	131.4	18.3	0.3	28.3	1,303.2	13
Blue River	48B30	O	Dual	102	130.1	15.9	0.0	28.9	1,298.1	14
Prairie Hybrids	3074	C	Feed	104	128.6	17.7	0.0	26.4	1,277.3	16
CB Seed	CB10S98	C	Dual	94	128.5	14.8	0.0	26.3	1,285.0	15
Prairie Hybrids	1711	O	Feed	102	128.1	17.2	0.0	27.4	1,274.0	17
Viking	O67-01N	O	Feed	101	126.7	15.4	0.0	31.2	1,265.7	18
CB Seed	CB5240	C	Dual	104	126.6	19.4	0.0	27.9	1,252.1	22
Cappel	336S GC	O	Feed	96	126.2	14.2	0.0	28.0	1,262.0	19
Viking	O39-92N GC	O	Feed	92	125.9	15.2	0.0	29.6	1,258.4	20
Blue River	47A30	O	Feed	102	125.4	15.3	0.0	32.2	1,253.1	21
Blue River	53R57	O	Feed	104	125.3	19.6	0.0	27.0	1,238.6	23
Prairie Hybrids	5879	C	Feed	107	124.3	16.4	0.0	25.3	1,238.6	24
Viking	O6710	O	Feed	98	118.8	14.3	0.0	25.0	1,188.0	25
Pioneer	38A56 GC	C	Feed	97	116.7	14.8	0.0	25.5	1,167.0	26
Prairie Hybrids	231	C	Feed	103	111.6	15.0	0.0	29.6	1,116.0	27
CB Seed	CB6981	C	Dual	105	107.4	21.7	0.7	25.3	1,056.0	28
Blue River	47P37	C	Feed	102	106.1	17.6	0.0	27.4	1,054.1	29
Viking	O59-07N	O	Feed	105	98.7	22.6	0.0	29.6	968.2	30

 Test Average = **130.6** **16.6** **0.0** **27.8** **1,300.5**

LSD (0.10) = 24.0 1.9 0.2

C.V. = 13.4 8.2



F.I.R.S.T. Manager

**TEST COMMENTS:** *Planting conditions were very good, but excess moisture through the end of June kept the soil profile water-logged.*
*Some individual plots were affected more than others by excess water. July brought more heat and high humidity, but the crop here still*
*lagged behind in maturity. A killing frost on Sept 15 left test weights lighter than average.*

Lat: N43.91419, Long: W-93.45607

Yield &amp; Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Price = \$10.00

<sup>†</sup> STATUS: O=Organic Seed, C=Conventional non-GMO Untreated Seed

<sup>††</sup> End Use: Feed Use, Food Use, Dual Use (feed/silage)

 Identifies the check brand included in early- and full-season tests. **Bold** yields are significantly above test average. **Italicized** brands exceed the grain moisture limit for this test. **GC** = grower comparison product, \* = brands without a seed lot number, **ns** = not significantly different