

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

Dennis Lutteke, Faribault County, MN [ WELLS ]

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

O1MNC01

2010/2009 CROP: Alfalfa Hay/Alfalfa Hay  
 SOIL DESCRIPTION: Nicollet-Webster clay loam, well drained, conventional w/ fall till, non-irrigated  
 SOIL CONDITION: High P, high K, 6.9 pH, 4.8% OM  
 PEST MANAGEMENT: Cultivation (three times)  
 FERTILITY - Applied N: 2,000 gallons Dairy manure (fall)  
 Applied N-P-K (units): 48-36-58 CEC 35.3

30" ROW SPACING

SEEDED - RATE: Jun 3 35,680 /A  
 HARVESTED - STAND: Oct 17 28,500 /A

**TOP 24 OF 24 FOR GROSS INCOME (SORTED BY YIELD)**

AVERAGE of (3) REPLICATIONS

| Company/Brand   | Product/Brand | Status <sup>†</sup> | End Use <sup>††</sup> | RM  | Yield<br>Bu/A | Moisture<br>% | Lodging<br>% | Stand<br>(x 1000) | Gross Income<br>\$/Acre | Rank |
|-----------------|---------------|---------------------|-----------------------|-----|---------------|---------------|--------------|-------------------|-------------------------|------|
| Blue River      | 34C17         | O                   | Feed                  | 94  | 163.9         | 14.0          | 0.0          | 31.4              | 1,639.0                 | 1    |
| Viking          | O69-99N       | O                   | Feed                  | 101 | 159.2         | 14.3          | 0.0          | 29.1              | 1,592.0                 | 2    |
| Blue River      | 45R37         | O                   | Feed                  | 99  | 159.2         | 14.6          | 0.0          | 30.1              | 1,592.0                 | 3    |
| Viking          | 80-92VNT      | C                   | Feed                  | 92  | 158.9         | 14.2          | 0.3          | 29.6              | 1,589.0                 | 4    |
| CB Seed         | X10S111       | C                   | Feed                  | 97  | 157.7         | 14.5          | 0.0          | 29.6              | 1,577.0                 | 5    |
| Blue River      | 39B17         | O                   | Feed                  | 96  | 155.3         | 15.1          | 0.0          | 28.7              | 1,552.6                 | 6    |
| Great Harvest   | GHO40B8       | O                   | Food                  | 100 | 155.0         | 14.7          | 0.0          | 29.6              | 1,550.0                 | 7    |
| Pioneer         | 38A56 GC      | C                   | Feed                  | 97  | 154.8         | 14.0          | 0.0          | 29.6              | 1,548.0                 | 8    |
| Blue River      | 26A17         | O                   | Feed                  | 88  | 153.3         | 14.5          | 0.3          | 27.8              | 1,533.0                 | 9    |
| Viking          | O67-01N       | O                   | Feed                  | 101 | 153.0         | 14.4          | 1.3          | 27.3              | 1,530.0                 | 10   |
| Blue River      | 41R00         | O                   | Dual                  | 99  | 151.0         | 14.4          | 0.0          | 27.8              | 1,510.0                 | 11   |
| Masters Choice  | OG4430        | O                   | Food                  | 94  | 151.0         | 14.8          | 0.3          | 28.2              | 1,510.0                 | 12   |
| Prairie Hybrids | 590           | C                   | Dual                  | 95  | 150.3         | 14.4          | 0.0          | 29.6              | 1,503.0                 | 13   |
| Prairie Hybrids | 1711          | O                   | Feed                  | 102 | 149.6         | 13.9          | 12.0         | 27.8              | 1,496.0                 | 14   |
| CB Seed         | X24072        | C                   | Feed                  | 89  | 149.4         | 14.2          | 0.3          | 26.0              | 1,494.0                 | 15   |
| CB Seed         | X24052        | C                   | Feed                  | 89  | 148.6         | 14.2          | 0.0          | 28.7              | 1,486.0                 | 16   |
| Cappel          | 336S GC       | O                   | Feed                  | 96  | 148.1         | 14.1          | 0.0          | 28.7              | 1,481.0                 | 17   |
| Viking          | O6710         | O                   | Feed                  | 98  | 146.9         | 14.7          | 0.0          | 29.1              | 1,469.0                 | 18   |
| Viking          | 7292          | O                   | Feed                  | 95  | 144.8         | 15.1          | 0.0          | 30.5              | 1,447.6                 | 19   |
| CB Seed         | X24082        | C                   | Feed                  | 88  | 144.7         | 14.7          | 3.0          | 29.2              | 1,447.0                 | 20   |
| Blue River      | 25A16         | O                   | Feed                  | 87  | 141.4         | 13.7          | 0.0          | 27.3              | 1,414.0                 | 21   |
| Viking          | O39-92N GC    | O                   | Feed                  | 92  | 140.0         | 13.9          | 0.0          | 28.7              | 1,400.0                 | 22   |
| CB Seed         | CB10S98       | C                   | Dual                  | 94  | 134.4         | 14.7          | 0.0          | 27.3              | 1,344.0                 | 23   |
| Prairie Hybrids | 0371          | O                   | Feed                  | 90  | 122.9         | 14.2          | 0.0          | 22.3              | 1,229.0                 | 24   |

 Test Average = **149.7** **14.4** **0.7** **28.5** **1,497.2**

LSD (0.10) = 16.2 0.9 6.0

C.V. = 7.9 4.7



F.I.R.S.T. Manager

**TEST COMMENTS:** *Soil tillth was excellent at planting. While cool, wet conditions in June slowed development, Dennis called me five days after planting to tell me the plot corn had emerged. Heat and humidity prevailed in July, but rain was scarce after August 1st. A frost on Sept 15 ended the growing season. Plants stood well at harvest, and no weeds were visible here.*

Lat: N43.776515, Long: W-93.74347

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

 Complete brands tested list & searchable database available at [www.firstseedtests.com](http://www.firstseedtests.com)

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Report Date: 11/30/2011

Revised:

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

Dennis Lutteke, Faribault County, MN [ WELLS ]

**FULL SEASON TEST**
**95 - 105 Day CRM**

O1MNSO03

PREV. CROP/HERB: Alfalfa Hay/Alfalfa Hay  
 SOIL DESCRIPTION: Nicollet-Webster clay loam, well drained, conventional w/ fall till, non-irrigated  
 SOIL CONDITIONS: High P, high K, 6.9 pH, 4.8% OM  
 PEST MANAGEMENT: Cultivation (three times)  
 FERTILITY - Applied N: 2,000 gallons Dairy manure (fall)  
 Applied N-P-K (units): 48-36-58 CEC 35.3

30" ROW SPACING

SEEDED - RATE: Jun 3 35,680 /A  
 HARVESTED - STAND: Oct 17 29,700 /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<br>Bu/A | Moisture<br>% | Lodging<br>% | Stand<br>(x 1000) | Gross Income<br>\$/Acre | Rank |
|-----------------|---------------|---------------------|-----------------------|-----|---------------|---------------|--------------|-------------------|-------------------------|------|
| Blue River      | 48B30         | O                   | Dual                  | 102 | <b>175.8</b>  | 15.6          | 3.0          | 31.9              | 1,755.4                 | 1    |
| Blue River      | 41R00         | O                   | Dual                  | 99  | <b>174.7</b>  | 14.3          | 0.0          | 31.9              | 1,747.0                 | 2    |
| Viking          | 80-92VNT      | C                   | Feed                  | 92  | 174.3         | 14.7          | 1.3          | 30.5              | 1,743.0                 | 3    |
| CB Seed         | CB5544        | C                   | Dual                  | 105 | 173.6         | 16.5          | 0.3          | 32.4              | 1,729.5                 | 5    |
| Viking          | O67-01N       | O                   | Feed                  | 101 | 173.0         | 15.0          | 0.0          | 32.4              | 1,730.0                 | 4    |
| Prairie Hybrids | 3081          | O                   | Food                  | 104 | 170.4         | 16.9          | 0.0          | 31.0              | 1,695.9                 | 6    |
| Viking          | O69-99N       | O                   | Feed                  | 101 | 167.9         | 13.9          | 0.0          | 31.0              | 1,679.0                 | 7    |
| Prairie Hybrids | EX8380        | C                   | Feed                  | 104 | 167.0         | 15.8          | 0.0          | 31.0              | 1,666.7                 | 8    |
| Pioneer         | 35F38 GC      | C                   | Feed                  | 105 | 165.3         | 16.5          | 0.7          | 29.1              | 1,646.8                 | 9    |
| Prairie Hybrids | 231           | C                   | Feed                  | 103 | 164.6         | 14.8          | 0.0          | 28.3              | 1,646.0                 | 10   |
| Great Harvest   | GHO44B8       | O                   | Food                  | 104 | 164.3         | 15.6          | 0.0          | 28.7              | 1,640.5                 | 11   |
| Blue River      | 53R57         | O                   | Feed                  | 104 | 163.8         | 18.2          | 0.0          | 28.7              | 1,624.9                 | 13   |
| Prairie Hybrids | 1711          | O                   | Feed                  | 102 | 163.7         | 14.7          | 0.0          | 27.8              | 1,637.0                 | 12   |
| Prairie Hybrids | 3074          | C                   | Feed                  | 104 | 162.7         | 17.1          | 0.3          | 29.2              | 1,618.5                 | 14   |
| Prairie Hybrids | 5879          | C                   | Feed                  | 107 | 162.1         | 17.5          | 1.7          | 29.6              | 1,610.9                 | 18   |
| Viking          | O6710         | O                   | Feed                  | 98  | 161.7         | 13.9          | 0.0          | 31.4              | 1,617.0                 | 15   |
| Great Harvest   | GHO40B8       | O                   | Food                  | 100 | 161.6         | 14.5          | 0.0          | 31.4              | 1,616.0                 | 16   |
| Blue River      | 45R37         | O                   | Feed                  | 99  | 161.4         | 15.2          | 0.0          | 31.0              | 1,613.2                 | 17   |
| Pioneer         | 38A56 GC      | C                   | Feed                  | 97  | 161.2         | 15.6          | 0.0          | 28.2              | 1,609.6                 | 19   |
| CB Seed         | CB5240        | C                   | Dual                  | 104 | 160.4         | 18.5          | 0.0          | 29.6              | 1,590.0                 | 20   |
| Viking          | O59-07N       | O                   | Feed                  | 105 | 156.3         | 18.2          | 0.0          | 26.0              | 1,550.5                 | 23   |
| Masters Choice  | OG4430        | O                   | Food                  | 94  | 155.5         | 13.8          | 0.3          | 30.5              | 1,555.0                 | 21   |
| Blue River      | 47P37         | C                   | Feed                  | 102 | 155.3         | 15.1          | 0.0          | 30.5              | 1,552.6                 | 22   |
| CB Seed         | CB6981        | C                   | Dual                  | 105 | 150.3         | 17.9          | 0.0          | 27.3              | 1,492.1                 | 25   |
| Viking          | 7292          | O                   | Feed                  | 95  | 149.6         | 13.6          | 1.7          | 29.2              | 1,496.0                 | 24   |
| Cappel          | 336S GC       | O                   | Feed                  | 96  | 149.1         | 14.2          | 0.3          | 27.8              | 1,491.0                 | 26   |
| Viking          | O39-92N GC    | O                   | Feed                  | 92  | 147.2         | 14.6          | 0.0          | 31.4              | 1,472.0                 | 27   |
| Blue River      | 47A30         | O                   | Feed                  | 102 | 143.6         | 14.5          | 0.0          | 29.6              | 1,436.0                 | 28   |
| CB Seed         | CB10S98       | C                   | Dual                  | 94  | 132.0         | 15.3          | 0.0          | 26.9              | 1,319.0                 | 29   |
| CB Seed         | X10S111       | C                   | Feed                  | 97  | 130.3         | 15.1          | 9.7          | 27.8              | 1,302.7                 | 30   |

 Test Average = **160.0** **15.6** **0.6** **29.7** **1,596.1**

LSD (0.10) = 14.4 1.6 3.6

C.V. = 6.6 7.4



F.I.R.S.T. Manager

**TEST COMMENTS:** *Soil tillth was excellent at planting. While cool, wet conditions in June slowed development, Dennis called me five days after planting to tell me the plot corn had emerged. Heat and humidity prevailed in July, but rain was scarce after August 1st. A frost on Sept 15 ended the growing season. Plants stood well at harvest, and no weeds were visible here.*

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<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