

# **CORN YIELD TRIAL**

**2010**



## **CENTRAL LAKES AGRICULTURAL AND ENERGY CENTER**

Central Lakes College  
1830 Airport Rd.  
Staples MN 56479  
218-894-5161

**CORN YIELD TRIAL - 2010**  
**Central Lakes College Agricultural and Energy Center**

<b>Date Planted:</b> April 27, 2010	<b>Tillage:</b> Fall plowed, spring disked, 1x
<b>Date Harvested:</b> October 13, 2010	<b>Irrigated:</b> 2" Linear System
<b>Starter Fertilizer:</b> 30-10-40-10	<b>Rainfall:</b> 24.36"
<b>Sidedress Fertilizer:</b> 90 Units of N 60 Units 28%	<b>Plot Size:</b> 4 - 30" Rows, 4 Rows Sampled
<b>Herbicide:</b> Outlook Pre-emerge, Status Post-emerge	<b>Growing Degree Days (NASS):</b>
<b>Planted Population:</b> 32,984	2010 (Apr 23 - Oct 10): 2410
<b>Previous Crop:</b> Corn	Compared to normal: +310

\*\*\* LISTED AS PLANTED \*\*\*

<b>Company Name</b>	<b>Brand</b>	<b>Cross</b>	<b>Maturity</b>	<b>Final Pop.</b>	<b># Broken Stalks</b>	<b>Net Weight</b>	<b>Test Weight</b>	<b>% Moist.</b>	<b>Yield</b>	<b>Adjusted Yield *</b>
Wensman Seed	W7080 VT3	x	80	33250	0	1475	59.1	16.8	183.1	173.6
Dyna-Gro	51/V45 VT3	x	81	30250	0	1490	58.0	17.7	183.0	173.5
Midstate Genetics	MG6827	x	82	32500	1	1585	57.7	18.0	193.9	184.5
Producers Hybrids	4344 VT3	x	83	33750	0	1586	56.0	18.0	194.0	184.6
Dyna-Gro	V2483 VT3	x	84	31750	0	1512	58.0	17.3	186.6	177.2
Renk Seed Company	RK 224 RR	x	83	28250	0	1615	60.1	17.1	199.7	190.4
Wensman Seed	W8082 VT2Pro	x	83	29500	0	1422	57.5	17.7	174.6	165.2
Gold Country Seed	84-03 VT3	x	84	30750	0	1490	58.9	16.5	185.6	176.3
Jung Seed Genetics	7236VT3	x	84	32500	0	1530	59.3	15.2	193.6	184.5
Wensman Seed	W7085 VT3	x	84	33500	0	1570	57.0	16.3	196.1	187.0
Renk Seed Company	RK 268 VT3	x	85	29250	0	1530	56.1	17.6	188.1	179.0
Hyland Seeds	HL B27R	x	85	32250	0	1566	58.0	17.0	193.9	184.9
Kruger Seed Inc.	K-6385VT3	x	85	32750	1	1520	57.5	16.9	188.5	183.8
Dyna-Gro	51V57 VT3	x	85	34500	0	1565	59.9	17.2	193.3	188.6
Integra Seed - Wilbur Ellis Co.	9361VT3	x	85	34000	0	1644	55.0	18.2	200.6	195.9
Terning Seed Inc	TS 8167 GT	x	85	28750	0	1515	57.0	16.2	189.4	184.7
Producers Hybrids	4564 VT3	x	85	31750	0	1615	56.5	17.1	199.7	197.2
Hyland Seeds	HL R228	x	85	31500	0	1482	56.0	17.8	181.8	179.2
Renk Seed Company	RK 292 GTCBLL	x	85	31000	1	1450	57.7	17.8	177.8	175.3
Pioneer	P8581 R	x	85	28750	0	1524	57.0	20.0	181.9	179.4
Midstate Genetics	MG GT860 3000G1	x	86	31750	0	1526	55.5	18.3	186.0	185.4
Kruger Seed Inc.	K-6286VT3	x	86	31500	0	1575	59.8	17.4	194.1	193.5
Dyna-Gro	26R86 RR2	x	86	32250	1	1478	55.0	18.7	179.3	178.6
Wensman Seed	W7089 VT3	x	86	31500	0	1560	56.2	17.6	191.8	191.1
Syngenta NK Seeds	N21J-GT/CBILL	x	86	27000	0	1470	57.8	16.4	183.4	183.6
Mycogen Seed	2T224	x	86	31500	0	1496	55.0	17.5	184.1	184.4
Jung Seed Genetics	7296VT3	x	86	31500	0	1440	60.1	16.5	179.4	179.6
Pioneer	P8640XR	x	86	29250	0	1370	56.0	16.6	170.5	170.7
Midstate Genetics	MG LL870BT	x	87	30750	0	1264	54.5	14.9	160.5	157.9
Dyna-Gro	52V01 VT3	x	87	32000	0	1495	55.0	17.8	183.3	180.8
Hyland Seeds	HL B32R	x	87	31250	0	1496	56.0	15.9	187.7	185.2
Jung Seed Genetics	4D299	x	87	31750	0	1495	56.5	17.1	184.9	182.4
Dyna-Gro	D27GC19 GT/CB/C	x	87	31250	0	1530	57.5	17.2	189.0	182.7
Hyland Seeds	HL CVR 34 VT3	x	87	30750	0	1420	55.5	19.0	171.6	165.3
Renk Seed Company	RK 302	x	88	27250	0	1625	55.0	17.0	201.2	194.9
Midstate Genetics	MG GT895 3000G1	x	89	27500	1	1412	54.0	16.8	175.3	169.0
Gold Country Seed	89-09 VT3P	x	89	30250	1	1596	55.5	18.6	193.8	194.9
Syngenta NK Seeds	N23K-3000 GT	x	89	26750	0	1405	57.2	17.7	172.5	173.5
Peterson Farms Seed	98LGTBLL (98L9)	x	90	31500	0	1496	54.0	18.3	182.4	183.4
Hyland Seeds	HL CVR 48 VT3	x	90	31000	0	1475	58.5	17.6	181.3	182.4
Jung Seed Genetics	7V316	x	90	27250	0	1505	56.7	17.4	185.5	195.0
Integra Seed - Wilbur Ellis Co.	63F90VT3	x	90	26500	0	1430	56.0	19.4	172.0	181.5
Terning Seed Inc	TS 8198 GTCBLL	x	90	24000	0	1460	55.5	17.6	179.5	189.0
Producers Hybrids	5004 VT3	x	90	29750	0	1722	55.5	19.0	208.1	217.6
Wensman Seed	W7107 VT3	x	90	30000	3	1684	55.5	21.1	198.2	205.6
Kruger Seed Inc.	K-6490VT3	x	90	30000	0	1460	58.5	17.0	180.8	188.2
Syngenta NK Seeds	N27W-3000GT	x	91	23500	0	1456	56.5	18.9	176.2	183.5

Company Name	Brand	Cross	Maturity	Final Pop.	# Broken Stalks	Net Weight	Test Weight	% Moist.	Yield	Adjusted Yield
Jung Seed Genetics	7344VT3	x	91	31500	0	1580	56.2	18.7	191.6	199.0
Peterson Farms Seed	26R92RR	x	92	31000	2	1635	56.9	17.2	202.0	208.5
Hyland Seeds	HL CVR 54 VT3	x	92	31000	1	1450	54.5	17.6	178.3	184.8
Dyna-Gro	D32RR29 RR	x	92	30750	0	1620	56.5	17.6	199.2	205.7
Integra Seed - Wilbur Ellis Co.	9422VT3	x	92	30500	0	1562	56.0	17.9	191.3	197.8
Terning Seed Inc	TS 8231 3000GT	x	92	24500	0	1338	55.0	17.4	164.9	171.8
Syngenta NK Seeds	N29T-GT/CBILL	x	92	27250	0	1460	55.3	16.6	181.7	188.5
Mycogen Seed	2J337 VT3	x	92	26750	0	1418	56.0	20.0	169.2	176.1
Renk Seed Company	RK 434 RR	x	92	30250	0	1635	55.8	17.0	202.5	209.3
Gold Country Seed	93-07 SS	x	93	31250	0	1620	56.3	17.4	199.6	207.6
Producers Hybrids	5314VT3	x	93	30500	0	1618	56.0	19.0	195.5	203.5
Jung Seed Genetics	7V429	x	95	31000	0	1635	55.8	19.7	195.9	203.9
Kruger Seed Inc.	K-7593VT3P	x	95	31750	0	1676	55.0	18.7	203.3	211.3
Kruger Seed Inc.	K-7495VT3P	x	95	31750	0	1600	53.5	19.2	192.9	197.9
Integra Seed - Wilbur Ellis Co.	9453VT3	x	95	28000	1	1465	53.5	18.8	177.5	182.5
Wensman Seed	W8180 STX	x	95	29750	0	1630	54.0	21.9	189.9	195.0
Jung Seed Genetics	7410VT3	x	95	31000	0	1635	56.5	18.8	198.1	203.1

<b>Brand Test Weight Average</b>	<b>56.5</b>
<b>Brand Moisture Average</b>	<b>17.8</b>
<b>Brand Yield Average</b>	<b>187.0</b>
<b>Brand Adjusted Yield Average</b>	<b>187.0</b>

\* NOTE: The adjusted yield has been calculated to compare field production variations using the adjacent check data. Each 4-plot area is adjusted by a formula which compares the check yields on either side of that section of the field, to the overall average of all the check yields in the plot. Individual yields are then adjusted to reflect the differing production levels demonstrated by the varying check yields.

\*\*\* CHECKS LISTED AS PLANTED \*\*\*

Company Name	Brand	Cross	Maturity	Net Weight	Test Weight	% Moist.	Yield
Check - Wensman	5105 BT	x	90	1802	54.0	19.4	216.7
Check				1755	57.4	18.4	213.7
Check				1772	55.0	18.1	216.5
Check				1750	57.8	18.4	213.1
Check				1728	55.0	19.4	207.8
Check				1710	56.3	18.2	208.7
Check				1672	55.0	18.2	204.1
Check				1685	56.9	17.7	206.9
Check				1720	56.0	18.3	209.7
Check				1725	57.4	16.7	214.4
Check				1600	55.5	18.3	195.0
Check				1625	55.3	18.6	197.3
Check				1656	55.5	19.3	199.4
Check				1625	55.9	17.9	199.0
Check				1620	56.0	17.8	198.7
Check				1605	57.1	17.8	196.8
Check				1654	55.0	17.1	204.6

Check Test Weight Average	55.9
Check Moisture Average	18.2
Check Yield Average	206.0

RANKED BY YIELD OF MINNESOTA MATURITY

\*\*\* Sorted by Actual Yield, not Adjusted Yield\*\*\*

85 Day or Less Minnesota Maturity

Company	Brand	Cross	Maturity	Final Pop.	# Broken	Net Weight	Test Weight	% Moist.	Yield	Adjusted Yield
Integra Seed - Wilbur Ellis Co.	9361VT3	x	85	34000	0	1644	55.0	18.2	200.6	195.9
Renk Seed Company	RK 224 RR	x	83	28250	0	1615	60.1	17.1	199.7	190.4
Producers Hybrids	4564 VT3	x	85	31750	0	1615	56.5	17.1	199.7	197.2
Wensman Seed	W7085 VT3	x	84	33500	0	1570	57.0	16.3	196.1	187.0
Producers Hybrids	4344 VT3	x	83	33750	0	1586	56.0	18.0	194.0	184.6
Hyland Seeds	HL B27R	x	85	32250	0	1566	58.0	17.0	193.9	184.9
Midstate Genetics	MG6827	x	82	32500	1	1585	57.7	18.0	193.9	184.5
Jung Seed Genetics	7236VT3	x	84	32500	0	1530	59.3	15.2	193.6	184.5
Dyna-Gro	51V57 VT3	x	85	34500	0	1565	59.9	17.2	193.3	188.6
Terning Seed Inc	TS 8167 GT	x	85	28750	0	1515	57.0	16.2	189.4	184.7
Kruger Seed Inc.	K-6385VT3	x	85	32750	1	1520	57.5	16.9	188.5	183.8
Renk Seed Company	RK 268 VT3	x	85	29250	0	1530	56.1	17.6	188.1	179.0
Dyna-Gro	V2483 VT3	x	84	31750	0	1512	58.0	17.3	186.6	177.2
Gold Country Seed	84-03 VT3	x	84	30750	0	1490	58.9	16.5	185.6	176.3
Wensman Seed	W7080 VT3	x	80	33250	0	1475	59.1	16.8	183.1	173.6
Dyna-Gro	51/V45 VT3	x	81	30250	0	1490	58.0	17.7	183.0	173.5
Pioneer	P8581 R	x	85	28750	0	1524	57.0	20.0	181.9	179.4
Hyland Seeds	HL R228	x	85	31500	0	1482	56.0	17.8	181.8	179.2
Renk Seed Company	RK 292 GTCBLL	x	85	31000	1	1450	57.7	17.8	177.8	175.3
Wensman Seed	W8082 VT2Pro	x	83	29500	0	1422	57.5	17.7	174.6	165.2

85 Day or Less Test Wgt Average	57.6
85 Day or Less Moisture Average	17.3
85 Day or Less Yield Average	189.3
85 Day or Less Adjusted Yield Average	182.2

**86 - 90 Day Minnesota Maturity**

Company	Brand	Cross	Maturity	Final Pop.	# Broken	Net Weight	Test Weight	% Moist.	Yield	Adjusted Yield
Producers Hybrids	5004 VT3	x	90	29750	0	1722	55.5	19.0	208.1	217.6
Renk Seed Company	RK 302	x	88	27250	0	1625	55.0	17.0	201.2	194.9
Wensman Seed	W7107 VT3	x	90	30000	3	1684	55.5	21.1	198.2	205.6
Kruger Seed Inc.	K-6286VT3	x	86	31500	0	1575	59.8	17.4	194.1	193.5
Gold Country Seed	89-09 VT3P	x	89	30250	1	1596	55.5	18.6	193.8	194.9
Wensman Seed	W7089 VT3	x	86	31500	0	1560	56.2	17.6	191.8	191.1
Dyna-Gro	D27GC19 GT/CB/C	x	87	31250	0	1530	57.5	17.2	189.0	182.7
Hyland Seeds	HL B32R	x	87	31250	0	1496	56.0	15.9	187.7	185.2
Midstate Genetics	MG GT860 3000GT	x	86	31750	0	1526	55.5	18.3	186.0	185.4
Jung Seed Genetics	7V316	x	90	27250	0	1505	56.7	17.4	185.5	195.0
Jung Seed Genetics	4D299	x	87	31750	0	1495	56.5	17.1	184.9	182.4
Mycogen Seed	2T224	x	86	31500	0	1496	55.0	17.5	184.1	184.4
Syngenta NK Seeds	N21J-GT/CBILL	x	86	27000	0	1470	57.8	16.4	183.4	183.6
Dyna-Gro	52V01 VT3	x	87	32000	0	1495	55.0	17.8	183.3	180.8
Peterson Farms Seed	98LGTCELL (98L9C)	x	90	31500	0	1496	54.0	18.3	182.4	183.4
Hyland Seeds	HL CVR 48 VT3	x	90	31000	0	1475	58.5	17.6	181.3	182.4
Kruger Seed Inc.	K-6490VT3	x	90	30000	0	1460	58.5	17.0	180.8	188.2
Terning Seed Inc	TS 8198 GTCBILL	x	90	24000	0	1460	55.5	17.6	179.5	189.0
Jung Seed Genetics	7296VT3	x	86	31500	0	1440	60.1	16.5	179.4	179.6
Dyna-Gro	26R86 RR2	x	86	32250	1	1478	55.0	18.7	179.3	178.6
Midstate Genetics	MG GT895 3000GT	x	89	27500	1	1412	54.0	16.8	175.3	169.0
Syngenta NK Seeds	N23K-3000 GT	x	89	26750	0	1405	57.2	17.7	172.5	173.5
Integra Seed - Wilbur Ellis Co.	63F90VT3	x	90	26500	0	1430	56.0	19.4	172.0	181.5
Hyland Seeds	HL CVR 34 VT3	x	87	30750	0	1420	55.5	19.0	171.6	165.3
Pioneer	P8640XR	x	86	29250	0	1370	56.0	16.6	170.5	170.7
Midstate Genetics	MG LL870BT	x	87	30750	0	1264	54.5	14.9	160.5	157.9

<b>86-90 Day or Less Test Wgt Ave.</b>	<b>56.2</b>
<b>86-90 Day or Less Moisture Average</b>	<b>17.6</b>
<b>86-90 Day or Less Yield Average</b>	<b>183.7</b>
<b>86-90 Day or Less Adjusted Yield Average</b>	<b>184.5</b>

**Over 90 Day Minnesota Maturity**

Company	Brand	Cross	Maturity	Final Pop.	# Broken	Net Weight	Test Weight	% Moist.	Yield	Adjusted Yield
Kruger Seed Inc.	K-7593VT3P	x	95	31750	0	1676	55.0	18.7	203.3	211.3
Renk Seed Company	RK 434 RR	x	92	30250	0	1635	55.8	17.0	202.5	209.3
Peterson Farms Seed	26R92RR	x	92	31000	2	1635	56.9	17.2	202.0	208.5
Gold Country Seed	93-07 SS	x	93	31250	0	1620	56.3	17.4	199.6	207.6
Dyna-Gro	D32RR29 RR	x	92	30750	0	1620	56.5	17.6	199.2	205.7
Jung Seed Genetics	7410VT3	x	95	31000	0	1635	56.5	18.8	198.1	203.1
Jung Seed Genetics	7V429	x	95	31000	0	1635	55.8	19.7	195.9	203.9
Producers Hybrids	5314VT3	x	93	30500	0	1618	56.0	19.0	195.5	203.5
Kruger Seed Inc.	K-7495VT3P	x	95	31750	0	1600	53.5	19.2	192.9	197.9
Jung Seed Genetics	7344VT3	x	91	31500	0	1580	56.2	18.7	191.6	199.0
Integra Seed - Wilbur Ellis Co.	9422VT3	x	92	30500	0	1562	56.0	17.9	191.3	197.8
Wensman Seed	W8180 STX	x	95	29750	0	1630	54.0	21.9	189.9	195.0
Syngenta NK Seeds	N29T-GT/CBILL	x	92	27250	0	1460	55.3	16.6	181.7	188.5
Hyland Seeds	HL CVR 54 VT3	x	92	31000	1	1450	54.5	17.6	178.3	184.8
Integra Seed - Wilbur Ellis Co.	9453VT3	x	95	28000	1	1465	53.5	18.8	177.5	182.5
Syngenta NK Seeds	N27W-3000GT	x	91	23500	0	1456	56.5	18.9	176.2	183.5
Mycogen Seed	2J337 VT3	x	92	26750	0	1418	56.0	20.0	169.2	176.1
Terning Seed Inc	TS 8231 3000GT	x	92	24500	0	1338	55.0	17.4	164.9	171.8

<b>Over 90 Day Test Wgt Average</b>	<b>55.5</b>
<b>Over 90 Day Moisture Average</b>	<b>18.5</b>
<b>Over 90 Day Yield Average</b>	<b>189.4</b>
<b>Over 90 Day Adjusted Yield Average</b>	<b>196.1</b>