

# **CORN YIELD TRIAL**

**2009**



**CENTRAL LAKES AG CENTER**

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

**CORN YIELD TRIAL - 2009**

**Central Lakes Agricultural Center**

**Date Planted:** May 4, 2009    **Date Harvested:** November 18 & 19, 2009

**Harvested with:** IH 1440 Combine (Moisture corrected to 15.5%)

**Starter Fertilizer:** 35-10-35-15    **Sidedress Fertilizer:** 60 Units of N    60 Units 28%

**Herbicide:** Outlook pre-emerge, Status post-emerge

**Plant Population:** 32,984    **Previous Crop:** Corn & Soybeans

**Tillage:** Spring plowed, spring disked    **Irrigated:** 11" - Linear System    **Rainfall:** 14.29"

**Plot Size:** 4 - 30" Rows    4 Rows Sampled

\*\*\* 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>
Channel Seed	180-65R	x	80	29250	0	1306	53	23.2	146.3	150.4
Integra Seed - Wilbur Ellis Co.	9422VT3	x	82	27000	1	1595	49	29.8	163.4	167.5
Gold Country Seed	84-03 VT3	X	84	33250	0	1343	50	22.2	152.4	156.5
Mycogen Seed	2P176 VT3	x	84	33250	0	1325	49	26.1	142.9	146.9
Wensman Seed	W7085VT3	x	84	35250	0	1557	49	25.1	170.1	170.6
Jung Seed Genetics	7236VT3	x	84	34500	0	1525	52	23.4	170.4	170.9
Channel Seed	178-40R	x	78	30750	0	1202	53	21.0	138.5	139.0
Kruger Seed Inc.	K-6385VT3	x	85	32000	0	1528	50	24.6	168.1	164.7
Producers Hybrids	4564 VT3	x	85	30750	0	1740	49	29.5	178.9	175.5
Channel Seed	185-38R	x	85	32250	1	1377	51	25.4	149.9	146.5
Crop Production Services	DG 51V57	x	85	32500	0	1600	49	28.8	166.2	162.9
Stine Seed Co.	9200RR	x	85	30000	1	1580	49	29.3	162.9	162.8
Integra Seed - Wilbur Ellis Co.	9361VT3	x	86	31000	1	1491	48	29.9	152.5	152.4
Kruger Seed Inc.	K-1286RR	x	86	32750	0	1595	50	26.6	170.8	170.7
Monsanto - DeKalb	DKC 36-34	VT 3	86	32250	0	1599	49	27.8	168.4	168.4
Mustang Seeds	2307 VT3 RR	x	86	27250	0	1538	47	30.0	157.1	153.1
Mycogen Seed	2T220 VT3	x	86	32000	0	1715	49	29.8	175.6	171.7
Channel Seed	186-72VT3	x	86	32000	0	1615	48	32.3	159.5	155.6
Wensman Seed	W7089VT3	x	86	32000	1	1685	49	31.2	169.1	165.2
Jung Seed Genetics	7288VT3	x	86	32750	0	1715	51	27.3	181.8	177.3
Gold Country Seed	87-01 VT3	X	87	33000	0	1670	51	28.7	173.7	169.3
Hyland Seeds	HL CVR 34	VT 3	87	33750	0	1590	48	31.2	159.6	155.1
Integra Seed - Wilbur Ellis Co.	931087 GTLLCB	x	87	33000	1	1491	47	36.0	139.2	134.8
Mycogen Seed	2J272 RRCB	x	87	33500	0	1485	48	28.2	155.5	155.4
Crop Production Services	DG 52V01 VT3	x	87	33000	0	1665	49	30.4	169.1	168.9
Hyland Seeds	HL CVR 36	VT 3	88	31750	1	1492	47	31.5	149.1	149.0
Pioneer	39 B 23	x	88	31750	0	1585	49	28.9	164.3	164.2
Kruger Seed Inc.	K-6388VT3	x	88	31750	0	1525	51	26.8	162.9	166.0
Monsanto - DeKalb	DKC 38-89	VT 3	88	33500	0	1668	47	34.1	160.4	163.5
Jung Seed Genetics	3296RR	x	88	33500	0	1525	50	28.2	159.7	162.8
Hyland Seeds	HL CVR 44	VT 3	88	32250	0	1470	46	34.9	139.6	142.7
Pioneer	P9176 XR	x	89	29500	0	1524	46	34.9	144.7	144.9
Gold Country Seed	89-09 R	X	89	32250	1	1680	47	31.3	168.4	168.5
Hyland Seeds	HL CVR 48	VT 3	90	32000	2	1611	48	30.7	162.9	163.0
Kruger Seed Inc.	K-2090RR/YGCB	x	90	32500	0	1640	48	30.0	167.5	167.6
Monsanto - DeKalb	DKC 40-20	VT 3	90	30500	2	1750	47	32.5	172.2	165.0
Producers Hybrids	5004 VT 3	x	90	31500	0	1770	46	35.5	166.6	159.3
Wensman Seed	W7107VT3	x	90	29750	0	1700	47	30.0	173.6	166.3
Kruger Seed Inc.	K6490VT3	x	90	32000	2	1687	48	30.9	170.1	162.8
Stine Seed Co.	9204 VT3	x	91	31000	0	1688	46	30.9	170.2	162.6
Jung Seed Genetics	7344VT3	x	91	32500	0	1620	47	31.0	163.1	155.6
Pioneer	38H08	x	91	30500	1	1571	46	30.6	159.1	151.5
Gold Country Seed	92-03 VT3	x	92	31750	0	1625	48	29.3	167.5	160.0
Hyland Seeds	HL CVR 54	VT 3	92	30500	0	1710	49	34.7	162.8	163.0
Mycogen Seed	2J337 VT3	x	92	32250	0	1713	46	34.8	162.9	163.1
Channel Seed	192-85VT3	x	92	32000	0	1689	47	33.6	163.6	163.8
Kruger Seed Inc.	K-6093VT3	x	93	31750	0	1703	46	34.3	163.2	163.4

Company Name	Brand	Cross	Maturity	Final Pop.	# Broken Stalks	Net Weight	Test Weight	% Moist.	Yield	Adjusted Yield
Mustang Seeds	3319 VT3 RR	x	93	30750	1	1633	47	32.8	160.1	165.4
Producers Hybrids	5314 VT 3	x	93	29250	2	1570	48	31.2	157.6	162.9
Wensman Seed	W7143VT3	x	93	30775	1	1669	46	33.0	163.1	168.5
Gold Country Seed	94-29 VT3	X	94	31750	1	1614	46	32.0	160.1	165.5
Integra Seed - Wilbur Ellis Co.	9453VT3	x	95	31500	0	1583	46	34.9	150.3	159.4
Kruger Seed Inc.	K-6295VT3	x	95	32000	1	1741	47	36.3	161.8	170.9
Mustang Seeds	4313 VT 3 RR	x	95	32000	0	1583	46	36.3	147.1	156.2
Channel Seed	195-99VT3	x	95	32750	0	1712	47	35.7	160.6	169.7
Wensman Seed	W8180VT3	x	95	31000	0	1655	46	34.2	158.9	164.3
Gold Country Seed	95-11 VT3	X	95	31500	0	1635	46	30.5	165.8	171.2
Monsanto - DeKalb	DKC 42-72	VT 3	92	31000	0	1676	47	33.1	163.6	169.0

<b>Brand Test Weight Average</b>	<b>48</b>
<b>Brand Moisture Average</b>	<b>30.5</b>
<b>Brand Yield Average</b>	<b>161.5</b>
<b>Brand Adjusted Yield Average</b>	<b>161.4</b>

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

Company Name	Brand	Cross	Maturity	Net Weight	Test Weight	% Moist.	Yield
Check - Wensman	5105 BT	x	90	1660	48	28.8	172.5
Check				1569	48	27.1	166.9
Check				1765	47	30.2	179.7
Check				1697	48	29.5	174.5
Check				1695	48	30.0	173.1
Check				1785	47	30.0	182.3
Check				1700	48	29.8	174.1
Check				1681	48	29.2	173.6
Check				1675	47	31.4	167.6
Check				1797	46	31.5	179.6
Check				1780	47	29.7	182.4
Check				1765	46	30.1	180.1
Check				1665	47	31.2	167.1
Check				1713	45	32.1	169.7
Check				1681	47	34.9	159.6
Check				1819	47	33.3	177.0

<b>Check Test Weight Average</b>	<b>47</b>
<b>Check Moisture Average</b>	<b>30.6</b>
<b>Check Yield Average</b>	<b>173.7</b>

**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
Producers Hybrids	4564 VT3	x	85	30750	0	1740	49	29.5	178.9	175.5
Jung Seed Genetics	7236VT3	x	84	34500	0	1525	52	23.4	170.4	170.9
Wensman Seed	W7085VT3	x	84	35250	0	1557	49	25.1	170.1	170.6
Kruger Seed Inc.	K-6385VT3	x	85	32000	0	1528	50	24.6	168.1	164.7
Crop Production Services	DG 51V57	x	85	32500	0	1600	49	28.8	166.2	162.9
Integra Seed - Wilbur Ellis Co.	9422VT3	x	82	27000	1	1595	49	29.8	163.4	167.5
Stine Seed Co.	9200RR	x	85	30000	1	1580	49	29.3	162.9	162.8
Gold Country Seed	84-03 VT3	X	84	33250	0	1343	50	22.2	152.4	156.5
Channel Seed	185-38R	x	85	32250	1	1377	51	25.4	149.9	146.5
Channel Seed	180-65R	x	80	29250	0	1306	53	23.2	146.3	150.4
Mycogen Seed	2P176 VT3	x	84	33250	0	1325	49	26.1	142.9	146.9
Channel Seed	178-40R	x	78	30750	0	1202	53	21.0	138.5	139.0

<b>85 Day or Less Test Wgt Average</b>	<b>50</b>
<b>85 Day or Less Moisture Average</b>	<b>25.7</b>
<b>85 Day or Less Yield Average</b>	<b>159.2</b>
<b>85 Day or Less Adjusted Yield Average</b>	<b>159.5</b>

**86 - 90 Day Minnesota Maturity**

Company	Brand	Cross	Maturity	Final Pop.	# Broken	Net Weight	Test Weight	% Moist.	Yield	Adjusted Yield
Jung Seed Genetics	7288VT3	x	86	32750	0	1715	51	27.3	181.8	177.3
Mycogen Seed	2T220 VT3	x	86	32000	0	1715	49	29.8	175.6	171.7
Gold Country Seed	87-01 VT3	X	87	33000	0	1670	51	28.7	173.7	169.3
Wensman Seed	W7107VT3	x	90	29750	0	1700	47	30.0	173.6	166.3
Monsanto - DeKalb	DKC 40-20	VT 3	90	30500	2	1750	47	32.5	172.2	165.0
Kruger Seed Inc.	K-1286RR	x	86	32750	0	1595	50	26.6	170.8	170.7
Kruger Seed Inc.	K6490VT3	x	90	32000	2	1687	48	30.9	170.1	162.8
Wensman Seed	W7089VT3	x	86	32000	1	1685	49	31.2	169.1	165.2
Crop Production Services	DG 52V01 VT3	x	87	33000	0	1665	49	30.4	169.1	168.9
Monsanto - DeKalb	DKC 36-34	VT 3	86	32250	0	1599	49	27.8	168.4	168.4
Gold Country Seed	89-09 R	X	89	32250	1	1680	47	31.3	168.4	168.5
Kruger Seed Inc.	K-2090RR/YGCB	x	90	32500	0	1640	48	30.0	167.5	167.6
Producers Hybrids	5004 VT 3	x	90	31500	0	1770	46	35.5	166.6	159.3
Pioneer	39 B 23	x	88	31750	0	1585	49	28.9	164.3	164.2
Kruger Seed Inc.	K-6388VT3	x	88	31750	0	1525	51	26.8	162.9	166.0
Hyland Seeds	HL CVR 48	VT 3	90	32000	2	1611	48	30.7	162.9	163.0
Monsanto - DeKalb	DKC 38-89	VT 3	88	33500	0	1668	47	34.1	160.4	163.5
Jung Seed Genetics	3296RR	x	88	33500	0	1525	50	28.2	159.7	162.8
Hyland Seeds	HL CVR 34	VT 3	87	33750	0	1590	48	31.2	159.6	155.1
Channel Seed	186-72VT3	x	86	32000	0	1615	48	32.3	159.5	155.6
Mustang Seeds	2307 VT3 RR	x	86	27250	0	1538	47	30.0	157.1	153.1
Mycogen Seed	2J272 RRCB	x	87	33500	0	1485	48	28.2	155.5	155.4
Integra Seed - Wilbur Ellis Co.	9361VT3	x	86	31000	1	1491	48	29.9	152.5	152.4
Hyland Seeds	HL CVR 36	VT 3	88	31750	1	1492	47	31.5	149.1	149.0
Pioneer	P9176 XR	x	89	29500	0	1524	46	34.9	144.7	144.9
Hyland Seeds	HL CVR 44	VT 3	88	32250	0	1470	46	34.9	139.6	142.7
Integra Seed - Wilbur Ellis Co.	931087 GTLLCB	x	87	33000	1	1491	47	36.0	139.2	134.8

<b>86-90 Day or Less Test Wgt Ave.</b>	<b>48</b>
<b>86-90 Day or Less Moisture Average</b>	<b>30.7</b>
<b>86-90 Day or Less Yield Average</b>	<b>162.7</b>
<b>86-90 Day or Less Adjusted Yield Average</b>	<b>160.9</b>

**Over 90 Day Minnesota Maturity**

<b>Company</b>	<b>Brand</b>	<b>Cross</b>	<b>Maturity</b>	<b>Final Pop.</b>	<b># Broken</b>	<b>Net Weight</b>	<b>Test Weight</b>	<b>% Moist.</b>	<b>Yield</b>	<b>Adjusted Yield</b>
Stine Seed Co.	9204 VT3	x	91	31000	0	1688	46	30.9	170.2	162.6
Gold Country Seed	92-03 VT3	x	92	31750	0	1625	48	29.3	167.5	160.0
Gold Country Seed	95-11 VT3	X	95	31500	0	1635	46	30.5	165.8	171.2
Channel Seed	192-85VT3	x	92	32000	0	1689	47	33.6	163.6	163.8
Monsanto - DeKalb	DKC 42-72	VT 3	92	31000	0	1676	47	33.1	163.6	169.0
Kruger Seed Inc.	K-6093VT3	x	93	31750	0	1703	46	34.3	163.2	163.4
Jung Seed Genetics	7344VT3	x	91	32500	0	1620	47	31.0	163.1	155.6
Wensman Seed	W7143VT3	x	93	30775	1	1669	46	33.0	163.1	168.5
Mycogen Seed	2J337 VT3	x	92	32250	0	1713	46	34.8	162.9	163.1
Hyland Seeds	HL CVR 54	VT 3	92	30500	0	1710	49	34.7	162.8	163.0
Kruger Seed Inc.	K-6295VT3	x	95	32000	1	1741	47	36.3	161.8	170.9
Channel Seed	195-99VT3	x	95	32750	0	1712	47	35.7	160.6	169.7
Mustang Seeds	3319 VT3 RR	x	93	30750	1	1633	47	32.8	160.1	165.4
Gold Country Seed	94-29 VT3	X	94	31750	1	1614	46	32.0	160.1	165.5
Pioneer	38H08	x	91	30500	1	1571	46	30.6	159.1	151.5
Wensman Seed	W8180VT3	x	95	31000	0	1655	46	34.2	158.9	164.3
Producers Hybrids	5314 VT 3	x	93	29250	2	1570	48	31.2	157.6	162.9
Integra Seed - Wilbur Ellis Co.	9453VT3	x	95	31500	0	1583	46	34.9	150.3	159.4
Mustang Seeds	4313 VT 3 RR	x	95	32000	0	1583	46	36.3	147.1	156.2

<b>Over 90 Day Test Wgt Average</b>	<b>47</b>
<b>Over 90 Day Moisture Average</b>	<b>33.1</b>
<b>Over 90 Day Yield Average</b>	<b>161.1</b>
<b>Over 90 Day Adjusted Yield Average</b>	<b>163.5</b>