

# **CORN YIELD TRIAL**

**2007**



**CENTRAL LAKES AG CENTER**

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

**CORN YIELD TRIAL - 2007**  
**Central Lakes Agricultural Center**

**Date Planted:** May 9, 2007    **Date Harvested:** October 23, 2007

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

**Starter Fertilizer:** 35-10-35-10    **Sidedress Fertilizer:** 80 Units of N    **Manure Application:** 2Ton/Acre    30 Units 28%

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

**Planted Population:** 33,000    **Previous Crop:** Corn & Soybeans

**Tillage:** Moldboard plow and spring disked    **Irrigated:** 14" - Linear System

**Plot Size:** 4 - 30" Rows, .14 acre    4 Rows Sampled

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

Company	Variety	Cross	Maturity	Final Pop.	# Broken Stalks	Net Weight	Test Weight	% Moist.	Yield	Adjusted Yield
Gold Country Seeds	83-02 R	2x	82	24500	0	1307	55	19.0	153.2	148.6
Terning Seeds	TS 8102 RRYGCB	x	83	36000	0	1423	55	18.9	167.0	162.4
Mycogen	2K154	x	83	33000	1	1558	57	19.0	182.7	178.1
Crop Production Services	V23YR62 RR/CB	x	83	33500	0	1429	56	17.9	169.8	165.2
Jung Seed Genetics	4171 RR/YGCB	x	83	33500	1	1463	57	19.1	171.3	172.5
Gold Country Seeds	84-02 R	2x	84	34500	1	1450	56	17.6	172.9	174.2
Dyna-Gro	51B27	x	84	30500	1	1406	57	17.7	167.5	168.7
Wensman Seed Company	W6084	x	85	33500	0	1460	56	19.9	169.3	170.5
Terning Seeds	Exp 2	x	85	32500	4	1555	54	19.7	180.7	182.2
Wilbur Ellis	Integra 65D85 RB	x	85	33500	0	1462	56	18.7	172.0	173.5
Hyland Seeds	HL B264	x	85	33000	0	1495	55	18.7	175.9	177.4
Wensman Seed Company	W6086 Bt RR	x	85	33500	0	1333	55	19.1	156.1	157.5
Jung Seed Genetics	4183 RR/YGCB	x	84	32000	0	1419	56	19.0	166.4	165.5
Wensman Seed Company	W7087 Bt RW RR	x	85	31000	0	1425	56	19.3	166.4	165.6
Midstate Genetics	MG LL 860 Bt	x	86	32000	0	1498	55	18.6	176.5	175.6
Dahlco Seeds, Inc.	2147 RR Bt	x	85	35500	3	1390	54	19.4	162.2	161.3
Mycogen	2P174	x	85	33500	1	1500	55	19.1	175.6	170.6
Terning Seeds	Exp 1	x	86	32000	4	1547	54	19.2	180.9	175.8
Wensman Seed Company	W6087 RR	x	85	32000	3	1645	54	19.1	192.6	187.5
Jung Seed Genetics	6206 RR/YGRW	x	87	30500	0	1604	55	18.8	188.5	183.4
NK Brand-Syngenta Seeds, Inc.	N22-C2	x	87	33000	0	1582	54	19.4	184.6	179.2
Terning Seeds	TS 8191 LLBT-11	x	87	30500	0	1680	55	19.5	195.7	190.4
Hyland Seeds	HL B33R	x	88	33500	5	1525	55	19.2	178.3	173.0
Monsanto (DeKalb)	DKC 38-33		88	34500	0	1680	56	20.0	194.5	189.2
Dyna-Gro	52P81	x	88	33500	1	1540	55	18.9	180.8	177.5
NK Brand-Syngenta Seeds, Inc.	N23-F7	x	88	31500	2	1525	56	18.9	179.0	175.8
Midstate Genetics	MG LL895	x	88	34500	2	1575	55	20.3	181.7	178.4
Jung Seed Genetics	3215 RR	x	88	35000	3	1471	56	18.3	173.9	170.7
Pioneer	39B79 RR/HX/LL	x	88	30500	3	1440	54	19.0	168.8	166.5
Gold Country Seeds	89-02 R	2x	89	24500	1	1290	56	14.2	160.2	157.8
Wilbur Ellis	Integra 63F90 RBC	x	90	32000	1	1557	54	19.5	181.4	179.1
NK Brand-Syngenta Seeds, Inc.	N25-N4	x	90	30500	1	1620	56	20.3	186.9	184.5
Monsanto (DeKalb)	DKC 40-08		90	34500	0	1575	53	19.7	183.1	185.1
Wensman Seed Company	W 6117 Bt RR	x	90	30500	4	1579	55	19.9	183.1	185.1
NK Brand-Syngenta Seeds, Inc.	N27-B5	x	91	31000	1	1600	54	19.4	186.7	188.7
Hyland Seeds	HL B38R	x	92	34000	4	1669	53	19.5	194.5	196.5
Wensman Seed Company	W7118 Bt RW RR	x	90	32500	1	1608	54	20.8	184.3	187.8
Stine Seed Co.	9310 RRYGPL		92	30500	0	1660	55	20.5	191.0	194.5
Jung Seed Genetics	3327 RR	x	90	33000	1	1624	57	19.1	190.2	193.6
Monsanto (DeKalb)	DKC 41-64		91	33000	1	1700	56	20.1	196.6	200.0
Jung Seed Genetics	7344 VT3	x	91	32500	2	1690	56	18.8	198.6	195.6
Terning Seeds	TS 8230 RRYGCB	x	92	33500	2	1564	55	19.7	181.8	178.7
Wensman Seed Company	W4190	x	90	32000	2	1735	54	19.2	202.9	199.9
Hyland Seeds	HL R238	x	92	34500	1	1663	53	18.8	195.4	192.4
Monsanto (DeKalb)	DKC 42-91		92	31500	1	1557	53	19.2	182.1	179.7
Hyland Seeds	HL R234	x	92	31000	2	1590	54	19.7	184.8	182.4

Company	Variety	Cross	Maturity	Final Pop.	# Broken Stalks	Net Weight	Test Weight	% Moist.	Yield	Adjusted Yield
NK Brand-Syngenta Seeds, Inc.	N29-A2	x	92	34000	1	1587	53	19.8	184.2	181.8
Gold Country Seeds	92-01 CBRCRW	2x	92	31500	3	1595	54	20.7	183.1	180.6
Dyna-Gro	53B04	x	92	31500	3	1510	54	21.2	172.2	174.1
Hyland Seeds	Juxxin	x	92	31500	4	1432	56	19.6	166.6	168.5
Mycogen	2D326	x	92	33000	4	1600	53	19.2	187.1	189.0
Monsanto (DeKalb)	DKC 43-31		93	31500	0	1614	55	19.8	187.4	189.2
Midstate Genetics	MG LL935 Bt	x	93	31500	4	1592	54	21.0	182.0	189.5
Crop Production Services	V32RP53 RR/YG Plus	x	93	30000	1	1495	53	20.0	173.1	180.5
Pioneer	38 R 51 RR/HX/LL	x	93	33500	2	1540	52	20.1	178.1	185.5
NK Brand-Syngenta Seeds, Inc.	N33-J4	x	94	34000	0	1470	51	20.4	169.4	176.8
Pioneer	38N87 RR/HX/LL	x	93	33000	1	1525	52	20.4	175.7	186.3
Jung Seed Genetics	4362 RR/YGCB	x	94	32000	2	1589	52	20.8	182.2	192.8
Dyna-Gro	53V13	x	95	33000	4	1515	52	21.2	172.8	183.4

Variety Test Weight Average	55
Variety Moisture Average	19.4
Variety Yield Average	179.4
Variety Adjusted Yield Average	179.3

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

Company Name	Variety	Cross	Maturity	Net Weight	Test Weight	% Moist.	Yield
Check - Wensman Seed Co.	W4190	x	90	1757	55	19.0	206.0
Check				1695	53	19.5	197.5
Check				1664	56	19.3	194.4
Check				1685	54	19.2	197.1
Check				1695	55	18.9	199.0
Check				1740	54	18.4	205.5
Check				1691	55	18.5	199.5
Check				1715	54	18.9	201.3
Check				1680	54	18.7	197.7
Check				1665	54	20.1	192.6
Check				1664	54	19.1	194.8
Check				1740	54	18.4	205.5
Check				1664	54	19.6	193.6
Check				1680	54	19.0	197.0
Check				1574	54	19.9	182.5
Check				1631	55	19.3	190.5

Check Test Weight Average	54
Check Moisture Average	19.1
Check Yield Average	197.2

**RANKED BY YIELD OF MINNESOTA MATURITY**  
**\*\*\* Sorted by Actual Yield, not Adjusted Yield\*\*\***

**85 Day or Less Minnesota Maturity**

Company	Variety	Cross	Maturity	Final Pop.	# Broken Stalks	Net Weight	Test Weight	% Moist.	Yield	Adjusted Yield
Wensman Seed Company	W6087 RR	x	85	32000	3	1645	54	19.1	<b>192.6</b>	187.5
Mycogen	2K154	x	83	33000	1	1558	57	19.0	<b>182.7</b>	178.1
Terning Seeds	Exp 2	x	85	32500	4	1555	54	19.7	<b>180.7</b>	182.2
Hyland Seeds	HL B264	x	85	33000	0	1495	55	18.7	<b>175.9</b>	177.4
Mycogen	2P174	x	85	33500	1	1500	55	19.1	<b>175.6</b>	170.6
Gold Country Seeds	84-02 R	2x	84	34500	1	1450	56	17.6	<b>172.9</b>	174.2
Wilbur Ellis	Integra 65D85 RB	x	85	33500	0	1462	56	18.7	<b>172.0</b>	173.5
Jung Seed Genetics	4171 RR/YGCB	x	83	33500	1	1463	57	19.1	<b>171.3</b>	172.5
Crop Production Services	V23YR62 RR/CB	x	83	33500	0	1429	56	17.9	<b>169.8</b>	165.2
Wensman Seed Company	W6084	x	85	33500	0	1460	56	19.9	<b>169.3</b>	170.5
Dyna-Gro	51B27	x	84	30500	1	1406	57	17.7	<b>167.5</b>	168.7
Terning Seeds	TS 8102 RRYGCB	x	83	36000	0	1423	55	18.9	<b>167.0</b>	162.4
Jung Seed Genetics	4183 RR/YGCB	x	84	32000	0	1419	56	19.0	<b>166.4</b>	165.5
Wensman Seed Company	W7087 Bt RW RR	x	85	31000	0	1425	56	19.3	<b>166.4</b>	165.6
Dahlco Seeds, Inc.	2147 RR Bt	x	85	35500	3	1390	54	19.4	<b>162.2</b>	161.3
Wensman Seed Company	W6086 Bt RR	x	85	33500	0	1333	55	19.1	<b>156.1</b>	157.5
Gold Country Seeds	83-02 R	2x	82	24500	0	1307	55	19.0	<b>153.2</b>	148.6

<b>85 Day or Less Test Wgt Average</b>	<b>56</b>
<b>85 Day or Less Moisture Average</b>	<b>18.9</b>
<b>85 Day or Less Yield Average</b>	<b>170.7</b>
<b>85 Day or Less Adjusted Yield Average</b>	<b>169.5</b>

**86 - 90 Day Minnesota Maturity**

Company	Variety	Cross	Maturity	Final Pop.	# Broken Stalks	Net Weight	Test Weight	% Moist.	Yield	Adjusted Yield
Wensman Seed Company	W4190	x	90	32000	2	1735	54	19.2	<b>202.9</b>	199.9
Terning Seeds	TS 8191 LLBT-11	x	87	30500	0	1680	55	19.5	<b>195.7</b>	190.4
Monsanto (DeKalb)	DKC 38-33		88	34500	0	1680	56	20.0	<b>194.5</b>	189.2
Jung Seed Genetics	3327 RR	x	90	33000	1	1624	57	19.1	<b>190.2</b>	193.6
Jung Seed Genetics	6206 RR/YGRW	x	87	30500	0	1604	55	18.8	<b>188.5</b>	183.4
NK Brand-Syngenta Seeds, Inc.	N25-N4	x	90	30500	1	1620	56	20.3	<b>186.9</b>	184.5
NK Brand-Syngenta Seeds, Inc.	N22-C2	x	87	33000	0	1582	54	19.4	<b>184.6</b>	179.2
Wensman Seed Company	W7118 Bt RW RR	x	90	32500	1	1608	54	20.8	<b>184.3</b>	187.8
Monsanto (DeKalb)	DKC 40-08		90	34500	0	1575	53	19.7	<b>183.1</b>	185.1
Wensman Seed Company	W 6117 Bt RR	x	90	30500	4	1579	55	19.9	<b>183.1</b>	185.1
Midstate Genetics	MG LL895	x	88	34500	2	1575	55	20.3	<b>181.7</b>	178.4
Wilbur Ellis	Integra 63F90 RBC	x	90	32000	1	1557	54	19.5	<b>181.4</b>	179.1
Terning Seeds	Exp 1	x	86	32000	4	1547	54	19.2	<b>180.9</b>	175.8
Dyna-Gro	52P81	x	88	33500	1	1540	55	18.9	<b>180.8</b>	177.5
NK Brand-Syngenta Seeds, Inc.	N23-F7	x	88	31500	2	1525	56	18.9	<b>179.0</b>	175.8
Hyland Seeds	HL B33R	x	88	33500	5	1525	55	19.2	<b>178.3</b>	173.0
Midstate Genetics	MG LL 860 Bt	x	86	32000	0	1498	55	18.6	<b>176.5</b>	175.6
Jung Seed Genetics	3215 RR	x	88	35000	3	1471	56	18.3	<b>173.9</b>	170.7
Pioneer	39B79 RR/HX/LL	x	88	30500	3	1440	54	19.0	<b>168.8</b>	166.5
Gold Country Seeds	89-02 R	2x	89	24500	1	1290	56	14.2	<b>160.2</b>	157.8

<b>86-90 Day or Less Test Wgt Average</b>	<b>55</b>
<b>86-90 Day or Less Moisture Average</b>	<b>19.1</b>
<b>86-90 Day or Less Yield Average</b>	<b>182.8</b>
<b>86-90 Day or Less Adjusted Yield Average</b>	<b>180.4</b>

**Over 90 Day Minnesota Maturity**

<b>Company</b>	<b>Variety</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>
Jung Seed Genetics	7344 VT3	x	91	32500	2	1690	56	18.8	<b>198.6</b>	195.6
Monsanto (DeKalb)	DKC 41-64		91	33000	1	1700	56	20.1	<b>196.6</b>	200.0
Hyland Seeds	HL R238	x	92	34500	1	1663	53	18.8	<b>195.4</b>	192.4
Hyland Seeds	HL B38R	x	92	34000	4	1669	53	19.5	<b>194.5</b>	196.5
Stine Seed Co.	9310 RRYGPL		92	30500	0	1660	55	20.5	<b>191.0</b>	194.5
Monsanto (DeKalb)	DKC 43-31		93	31500	0	1614	55	19.8	<b>187.4</b>	189.2
Mycogen	2D326	x	92	33000	4	1600	53	19.2	<b>187.1</b>	189.0
NK Brand-Syngenta Seeds, Inc.	N27-B5	x	91	31000	1	1600	54	19.4	<b>186.7</b>	188.7
Hyland Seeds	HL R234	x	92	31000	2	1590	54	19.7	<b>184.8</b>	182.4
NK Brand-Syngenta Seeds, Inc.	N29-A2	x	92	34000	1	1587	53	19.8	<b>184.2</b>	181.8
Gold Country Seeds	92-01 CBRCRW	2x	92	31500	3	1595	54	20.7	<b>183.1</b>	180.6
Jung Seed Genetics	4362 RR/YGCB	x	94	32000	2	1589	52	20.8	<b>182.2</b>	192.8
Monsanto (DeKalb)	DKC 42-91		92	31500	1	1557	53	19.2	<b>182.1</b>	179.7
Midstate Genetics	MG LL935 Bt	x	93	31500	4	1592	54	21.0	<b>182.0</b>	189.5
Terning Seeds	TS 8230 RRYGCB	x	92	33500	2	1564	55	19.7	<b>181.8</b>	178.7
Pioneer	38 R 51 RR/HX/LL	x	93	33500	2	1540	52	20.1	<b>178.1</b>	185.5
Pioneer	38N87 RR/HX/LL	x	93	33000	1	1525	52	20.4	<b>175.7</b>	186.3
Crop Production Services	V32RP53 RR/YG Plus	x	93	30000	1	1495	53	20.0	<b>173.1</b>	180.5
Dyna-Gro	53V13	x	95	33000	4	1515	52	21.2	<b>172.8</b>	183.4
Dyna-Gro	53B04	x	92	31500	3	1510	54	21.2	<b>172.2</b>	174.1
NK Brand-Syngenta Seeds, Inc.	N33-J4	x	94	34000	0	1470	51	20.4	<b>169.4</b>	176.8
Hyland Seeds	Juxxin	x	92	31500	4	1432	56	19.6	<b>166.6</b>	168.5

<b>Over 90 Day Test Wgt Average</b>	<b>54</b>
<b>Over 90 Day Moisture Average</b>	<b>20.0</b>
<b>Over 90 Day Yield Average</b>	<b>183.0</b>
<b>Over 90 Day Adjusted Yield Average</b>	<b>185.8</b>