

CORN YIELD TRIAL

2005



CENTRAL LAKES AG CENTER

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

CORN YIELD TRIAL - 2005

Central Lakes Agricultural Center

Dates Planted: 5/9/05 & 5/10/05

Date Harvested: 10/20/05 & 10/21/05

Harvested with: IH 1440 Combine

(Moisture Corrected to 15.5%)

Starter Fertilizer: Starter 30-5-30-10

Sidedress Fertilizer: 80 Units Urea

Manure Application: 1.75 Ton/Acre Turkey Manure

Planted Population: 32,000

Herbicide: 14 oz./Acre Outlook on 5/16/05

Previous Crop: Corn

Tillage: Moldboard plow & spring disked

Irrigated: 4.15" - Linear System

2005 Heat Units from May 4 to October 16 - 2669 Units

Average Heat Units for Ag Center - 2116 Units

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

4 Rows Sampled

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

Company Name	Variety	Cross	Maturity	Final Pop.	# Broken Stalks	Net Weight	Test Weight	% Moist.	Yield	Adjusted Yield
Gold Country Seeds Inc.	GCS 78-03	x	78	28000	1	1273	58	20.2	150.6	167.2
Legend Seed Co.	LR 9579 RR	x	79	29250	1	1304	59	19.3	156.0	172.6
Wensman Seed Company	W6080 RR	x	80	30250	1	1340	57	18.7	161.5	178.1
Gold Country Seeds Inc.	GCS 83-01CBR	x	83	29000	0	1372	57	19.1	164.5	181.2
Syngenta Seeds/Northrup King	N16-M1 (NX1613)	x	82	27500	0	1369	55	20.0	162.3	183.5
Wensman Seed Company	W6082 BtRR	x	82	28750	0	1325	55	19.1	158.9	180.0
Wolf River Valley Seeds	2482 RR	x	82	25750	1	1188	54	18.8	143.0	164.1
Legend Seed Co.	LR 9482 RR	x	82	27500	1	1320	55	19.9	156.7	177.9
Gold Country Seeds Inc.	GCS 83-02R	x	83	28250	1	1375	55	19.9	163.3	172.8
Midstate Genetics	MG 6830	x	83	26750	0	1275	55	19.9	151.4	160.9
Jung Seed Genetics	6202RR/YGCB	x	83	28500	1	1280	54	20.5	150.8	160.3
Kaltenberg Seeds	K2515RRBT	x	83	28500	0	1257	56	21.6	146.1	155.6
Legend Seed Co.	LS 5483 BT	x	83	25000	0	1408	54	21.1	164.7	175.5
Leaf River Ag - DeKalb	DK-3311 RR-BT	x	83	28250	0	1235	56	19.0	148.3	159.1
Midstate Genetics	MG LL 830	x	83	23750	0	1371	57	19.5	163.6	174.4
Jung Seed Genetics	6201 LL/BT11	x	84	27750	0	1310	56	19.3	156.7	167.5
Wensman Seed Company	W6083 RR	x	84	29000	2	1435	57	18.8	172.7	194.6
Dahlman Seed Co.	D42-15 CB	x	85	25250	0	1388	56	20.4	163.8	185.6
Dyna-Gro	51P15 RR	x	85	26500	0	1475	55	19.0	177.1	198.9
Hyland Seeds	HL 2288	x	85	27000	0	1338	56	19.6	159.5	181.3
Kaltenberg Seeds	K2717RRBT	x	85	26750	0	1356	54	22.9	155.0	174.0
Leaf River Ag - DeKalb	DK-3502 RR	x	85	28000	0	1380	56	17.7	168.4	187.4
Mustang Seeds	2005 RR	x	85	21500	1	1167	56	19.8	138.7	157.7
Wensman Seed Company	W 6086 BtRR	x	85	30750	0	1425	55	19.9	169.2	188.2
Wensman Seed Company	W 7087 BtRWRR	x	85	28250	0	1465	55	20.2	173.3	179.5
Dairyland Seed	STEALTH 7685	2x	86	27000	0	1309	55	20.4	154.5	160.7
Pioneer Hi-bred International	Pioneer 39D85	x	87	29000	0	1345	55	20.7	158.1	164.3
Hyland Seeds	Juxxin	x	88	30500	1	1687	54	23.4	191.6	197.8
Leaf River Ag - DeKalb	DK-3833 RR-BT	x	88	28250	0	1476	54	22.5	169.6	169.4
Midstate Genetics	MG LL 880	x	88	27250	0	1400	53	20.1	165.8	165.6
Pioneer Hi-bred International	Pioneer 39F27	x	88	27250	1	1366	56	21.4	159.2	158.9
Dyna-Gro	CX05588RR	x	90	28000	0	1435	54	20.0	170.2	170.0
Kaltenberg Seeds	K3735LLBT11	x	90	26000	0	1560	53	23.1	177.8	173.2
Leaf River Ag - DeKalb	DK-4288 RR-BT	x	92	27000	0	1524	54	24.1	171.5	166.8
Mustang Seeds	2907 YGCBRR	x	90	30500	0	1545	55	21.1	180.7	176.1

Company Name	Variety	Cross	Maturity	Final Pop.	# Broken Stalks	Net Weight	Wt.	% Moist.	Yield	Adjusted Yield
Syngenta Seeds/Northrup King	N25-J7	x	90	30250	0	1520	55	22.0	175.7	171.1
Wolf River Valley Seeds	2490 BT RR	x	90	28000	0	1647	54	22.7	188.7	175.5
Legend Seed Co.	LR 9391 RB	x	91	28000	0	1595	52	24.6	178.3	165.0
Dairyland Seed	STEALTH 7191	2x	91	28000	0	1526	53	23.7	172.6	159.4
Jung Seed Genetics	6370 YGCB	x	91	28750	0	1545	53	22.1	178.4	165.2
Jung Seed Genetics	6418 ARR/YGCB	x	91	29000	0	1610	53	23.7	182.1	172.3
Dahlman Seed Co.	R45S15	x	92	29000	0	1559	53	22.5	179.1	169.3
Dyna-Gro	53P30 RR	x	92	30250	0	1575	54	22.3	181.4	171.6
Gold Country Seeds Inc.	GCS 92-01CBR	x	92	30750	0	1628	55	22.5	187.0	177.2
Hyland Seeds	HLR 234	x	92	29000	0	1466	53	23.5	166.2	171.6
Kaltenberg Seeds	K3919RRBT	x	92	29750	0	1450	53	23.6	164.2	169.5
Wensman Seed Company	W 7118 BtRWRR	x	92	29500	0	1577	52	24.3	177.0	182.3
Midstate Genetics	MG LL 930	x	93	26250	0	1455	52	22.1	168.0	173.3
Legend Seed Co.	LR 9294 RB	x	94	27500	0	1505	51	22.4	173.1	184.7
Pioneer Hi-bred International	Pioneer 38T41	x	94	28000	1	1470	52	23.1	167.6	179.1
Dyna-Gro	53K98 RR	x	94	29500	0	1505	51	21.0	176.2	187.8
Jung Seed Genetics	6432 YGCB	x	95	29500	0	1418	52	24.7	158.3	169.8
Kaltenberg Seeds	K4666RR	x	95	25750	0	1588	52	22.4	182.7	185.1

Variety Test Weight Average	54
Variety Moisture Average	21.2
Variety Yield Average	166.6
Variety Adjusted Yield Average	173.8

Ranked by Yield of Minnesota Maturity
***** (Sorted by Actual Yield, not Adjusted Yield) *****

85 Day or Less Minnesota Maturity

Company Name	Variety	Cross	Maturity	Final Pop.	# Broken Stalks	Net Weight	Test Weight	% Moist.	Yield	Adjusted Yield

Dyna-Gro	51P15 RR	x	85	26500	0	1475	55	19.0	177.1	198.9
Wensman Seed Company	W 7087 BtRWRR	x	85	28250	0	1465	55	20.2	173.3	179.5
Wensman Seed Company	W6083 RR	x	84	29000	2	1435	57	18.8	172.7	194.6
Wensman Seed Company	W 6086 BtRR	x	85	30750	0	1425	55	19.9	169.2	188.2
Leaf River Ag - DeKalb	DK-3502 RR	x	85	28000	0	1380	56	17.7	168.4	187.4
Legend Seed Co.	LS 5483 BT	x	83	25000	0	1408	54	21.1	164.7	175.5
Gold Country Seeds Inc.	GCS 83-01CBR	x	83	29000	0	1372	57	19.1	164.5	181.2
Dahlman Seed Co.	D42-15 CB	x	85	25250	0	1388	56	20.4	163.8	185.6
Midstate Genetics	MG LL 830	x	83	23750	0	1371	57	19.5	163.6	174.4
Gold Country Seeds Inc.	GCS 83-02R	x	83	28250	1	1375	55	19.9	163.3	172.8
Syngenta Seeds/Northrup King	N16-M1 (NX1613)	x	82	27500	0	1369	55	20.0	162.3	183.5
Wensman Seed Company	W6080 RR	x	80	30250	1	1340	57	18.7	161.5	178.1
Hyland Seeds	HL 2288	x	85	27000	0	1338	56	19.6	159.5	181.3
Wensman Seed Company	W6082 BtRR	x	82	28750	0	1325	55	19.1	158.9	180.0
Legend Seed Co.	LR 9482 RR	x	82	27500	1	1320	55	19.9	156.7	177.9
Jung Seed Genetics	6201 LL/BT11	x	84	27750	0	1310	56	19.3	156.7	167.5
Legend Seed Co.	LR 9579 RR	x	79	29250	1	1304	59	19.3	156.0	172.6
Kaltenberg Seeds	K2717RRBT	x	85	26750	0	1356	54	22.9	155.0	174.0
Midstate Genetics	MG 6830	x	83	26750	0	1275	55	19.9	151.4	160.9
Jung Seed Genetics	6202RR/YGCB	x	83	28500	1	1280	54	20.5	150.8	160.3
Gold Country Seeds Inc.	GCS 78-03	x	78	28000	1	1273	58	20.2	150.6	167.2
Leaf River Ag - DeKalb	DK-3311 RR-BT	x	83	28250	0	1235	56	19.0	148.3	159.1
Kaltenberg Seeds	K2515RRBT	x	83	28500	0	1257	56	21.6	146.1	155.6
Wolf River Valley Seeds	2482 RR	x	82	25750	1	1188	54	18.8	143.0	164.1
Mustang Seeds	2005 RR	x	85	21500	1	1167	56	19.8	138.7	157.7

85 Day or Less Test Wht Average	56
85 Day or Less Moisture Average	19.8
85 Day or Less Yield Average	159.0
85 Day or Less Adjusted Yield Average	175.1

86 - 90 Day Minnesota Maturity

Company Name	Variety	Cross	Maturity	Final Pop.	# Broken Stalks	Net Weight	Test Weight	% Moist.	Yield	Adjusted Yield

Hyland Seeds	Juxxin	x	88	30500	1	1687	54	23.4	191.6	197.8
Wolf River Valley Seeds	2490 BT RR	x	90	28000	0	1647	54	22.7	188.7	175.5
Mustang Seeds	2907 YGCBRR	x	90	30500	0	1545	55	21.1	180.7	176.1
Kaltenberg Seeds	K3735LLBT11	x	90	26000	0	1560	53	23.1	177.8	173.2
Syngenta Seeds/Northrup King	N25-J7	x	90	30250	0	1520	55	22.0	175.7	171.1
Dyna-Gro	CX05588RR	x	90	28000	0	1435	54	20.0	170.2	170.0
Leaf River Ag - DeKalb	DK-3833 RR-BT	x	88	28250	0	1476	54	22.5	169.6	169.4
Midstate Genetics	MG LL 880	x	88	27250	0	1400	53	20.1	165.8	165.6
Pioneer Hi-bred International	Pioneer 39F27	x	88	27250	1	1366	56	21.4	159.2	158.9
Pioneer Hi-bred International	Pioneer 39D85	x	87	29000	0	1345	55	20.7	158.1	164.3
Dairyland Seed	STEALTH 7685	2x	86	27000	0	1309	55	20.4	154.5	160.7

86 - 90 Day Test Weight Average	54
86 - 90 Day Moisture Average	21.6
86 - 90 Day or Less Yield Average	172.0
86 - 90 Day Adjusted Yield Average	171.1

Over 90 Day Minnesota Maturity

Company Name	Variety	Cross	Maturity	Final Pop.	# Broken Stalks	Net Weight	Test Weight	% Moist.	Yield	Adjusted Yield

Gold Country Seeds Inc.	GCS 92-01CBR	x	92	30750	0	1628	55	22.5	187.0	177.2
Kaltenberg Seeds	K4666RR	x	95	25750	0	1588	52	22.4	182.7	185.1
Jung Seed Genetics	6418 ARR/YGCB	x	91	29000	0	1610	53	23.7	182.1	172.3
Dyna-Gro	53P30 RR	x	92	30250	0	1575	54	22.3	181.4	171.6
Dahlman Seed Co.	R45S15	x	92	29000	0	1559	53	22.5	179.1	169.3
Jung Seed Genetics	6370 YGCB	x	91	28750	0	1545	53	22.1	178.4	165.2
Legend Seed Co.	LR 9391 RB	x	91	28000	0	1595	52	24.6	178.3	165.0
Wensman Seed Company	W 7118 BtRWRR	x	92	29500	0	1577	52	24.3	177.0	182.3
Dyna-Gro	53K98 RR	x	94	29500	0	1505	51	21.0	176.2	187.8
Legend Seed Co.	LR 9294 RB	x	94	27500	0	1505	51	22.4	173.1	184.7
Dairyland Seed	STEALTH 7191	2x	91	28000	0	1526	53	23.7	172.6	159.4
Leaf River Ag - DeKalb	DK-4288 RR-BT	x	92	27000	0	1524	54	24.1	171.5	166.8
Midstate Genetics	MG LL 930	x	93	26250	0	1455	52	22.1	168.0	173.3
Pioneer Hi-bred International	Pioneer 38T41	x	94	28000	1	1470	52	23.1	167.6	179.1
Hyland Seeds	HLR 234	x	92	29000	0	1466	53	23.5	166.2	171.6
Kaltenberg Seeds	K3919RRBT	x	92	29750	0	1450	53	23.6	164.2	169.5
Jung Seed Genetics	6432 YGCB	x	95	29500	0	1418	52	24.7	158.3	169.8

Over 90 Day Test Weight Average	53
Over 90 Day Moisture Average	23.1
Over 90 Day or Less Yield Average	174.3
Over 90 Day Adjusted Yield Average	173.5

*** CHECKS LISTED AS PLANTED ***

Company Name	Variety	Cross	Maturity	Net Wt.	Test. Wt.	% Moist.	Yield
Check - Wensman	5181	x	92	1329	53	22.5	152.7
Check				1235	53	22.7	141.5
Check				1249	54	22.4	143.7
Check				1440	53	22.8	164.8
Check				1208	55	21.2	141.1
Check				1255	51	23.3	142.7
Check				1286	55	23.0	146.8
Check				1480	53	23.3	168.3
Check				1415	53	23.9	159.6
Check				1530	54	21.9	177.1
Check				1559	54	23.5	176.8
Check				1475	53	22.1	170.3
Check				1287	53	23.2	146.5
Check				1360	53	21.7	157.9
Check				1410	54	21.2	164.7

Check Test Wt. Average	53
Check Moisture Average	22.6
Check Yield Average	157.0