

Corn Yield Trials

2011



**Central Lakes College
Agricultural & Energy
Center**

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

CORN BRAND DEMONSTRATION REPORT - 2011
Central Lakes College Agricultural and Energy Center

Date Planted: May 3 & 4, 2011	Tillage: Fall plowed, spring disked, 1x
Date Harvested: October 13, 2011	Irrigated: 3" Linear System
Starter Fertilizer: 30-10-40-10	Rainfall: 21.65"
Sidedress Fertilizer: 90 Units of N 60 Units 28%	Plot Size: 4 - 30" Rows, 4 Rows Sampled
Herbicide: Outlook Pre-emerge, Status Post-emerge	Growing Degree Days (NASS - Melrose):
Planted Population: 32,984	2011 (May 17 - Oct 9): 2418
Previous Crop: Corn	Compared to normal: 98

*** LISTED AS PLANTED ***

Company Name	Brand	Maturity	Final Pop.	# Broken Stalks	Net Weight	Test Weight	% Moist.	Yield	Adjusted Yield
Pro-Ag Dyna-Gro	CX11179	79	28000	1	1202	58.5	16.0	157.0	161.2
Syngenta NK Seeds	N12R-3000GT	80	31500	0	1284	59.0	16.0	167.7	172.0
Pioneer	P8107 HR	81	28000	0	1242	57.0	16.8	160.7	164.9
Renk Seed Company	RK212GT	81	29500	0	1276	56.0	17.0	164.7	168.9
Midstate Genetics	GT827	82	31500	0	1362	56.0	17.2	175.4	173.0
Terning Seed	TS8024	84	31500	2	1380	57.0	16.2	179.8	177.5
Wensman Seed	W8085 VT2Pro	84	28500	2	1360	56.5	16.0	177.6	175.3
Renk Seed Company	RK268RR	85	30000	0	1364	56.0	16.9	176.3	173.9
Integra Seed - Wilbur Ellis Co.	9350	85	30500	2	1314	57.0	14.8	174.1	168.4
Kruger Seed Inc.	K-6385VT3	85	30000	0	1316	57.0	17.1	169.6	164.0
Producers Hybrids	4564VT3	85	30500	0	1348	55.0	16.7	174.6	168.9
Hyland Seeds	HLR228	85	29500	0	1324	55.0	16.0	172.9	167.3
Terning Seed	TS8167	86	31000	0	1362	56.0	16.4	177.1	173.9
Integra Seed - Wilbur Ellis Co.	9361	86	32500	1	1358	55.0	16.3	176.7	173.6
Kruger Seed Inc.	K-7386	86	30500	0	1350	56.0	16.4	175.5	172.4
Wensman Seed	W8089VT2PRO	86	31000	0	1360	55.0	16.4	176.8	173.7
Dahlman	R43-30GENVT3P	86	28500	0	1422	56.0	17.1	183.3	182.3
Hyland Seeds	B32R	86	29000	1	1480	56.0	16.9	191.2	190.2
Syngenta NK Seeds	N21J-3000GT	86	23500	0	1326	57.0	17.1	170.9	169.9
Midstate Genetics	GT860	86	30500	0	1412	56.0	15.7	185.1	184.1
Hyland Seeds	8234	86	31500	0	1334	55.0	18.0	170.1	167.8
Pro-Ag Dyna-Gro	52V01VT3	87	31000	0	1470	55.0	18.0	187.4	185.1
North Star Genetics	NS87-102	87	28000	2	1292	57.0	16.5	167.8	165.5
Pro-Ag Dyna-Gro	21GC19GTCBLL	87	30000	3	1354	57.0	16.1	176.6	174.4
Renk Seed Company	RK302GTCBLLRW	88	30500	3	1424	55.0	16.4	185.1	181.5
Terning Seed Inc	TSEXP88	88	28500	0	1228	56.0	16.2	160.0	156.4
Dahlman	R44-66RR	88	31000	1	1370	55.0	16.3	178.3	174.7
Hyland Seeds	CUR48	88	23500	0	1114	56.0	18.5	141.2	137.6
Syngenta NK Seeds	N23K-3000 GT	88	25500	0	1270	55.0	17.0	163.9	165.0
Kruger Seed Inc.	K4-9489	89	30000	0	1410	54.0	16.5	183.1	184.1
Pioneer	P8906HR	89	26500	0	1342	56.0	16.8	173.6	174.7
Integra Seed - Wilbur Ellis Co.	9390	89	28000	0	1362	56.0	16.4	177.1	178.1
Producers Hybrids	4972RR	89	29500	0	1398	56.0	16.1	182.4	188.1
Gold Country Seed	89-09VT3P	89	30000	0	1484	56.0	16.1	193.6	199.3
Kruger Seed Inc.	K4189	89	32000	1	1438	54.0	16.4	186.9	192.6
Dahlman	R45-30GENVT3P	90	27500	0	1256	55.0	19.0	158.2	163.9
Terning Seed Inc	TS8198	90	26500	1	1416	55.0	17.2	182.3	187.3
Wensman Seed	W8107VT2PRO	90	30000	0	1376	54.0	17.1	177.4	182.4
Hyland Seeds	Juxxin	90	25500	0	1352	55.0	17.2	174.1	179.1
North Star Genetics	X90-101	90	30000	0	1298	54.0	16.6	168.3	173.3
Dahlman	R45-46RR	90	31000	1	1492	56.0	16.8	193.0	194.7
Wolf River Valley Seeds	2290GT	90	18500	0	1084	54.0	16.9	140.1	141.7
Producers Hybrids	5004VT3	90	29500	0	1466	56.0	17.3	188.5	190.2
Renk Seed Company	RK334RR	91	28500	0	1428	55.0	20.0	177.6	179.3
Wensman Seed	W7110CON	91	32000	0	1354	55.0	16.6	175.6	173.5
Midstate Genetics	GT915	91	31000	0	1426	54.0	15.8	186.7	184.6
Producers Hybrids	XP5140	91	32000	0	1376	55.0	15.3	181.2	179.1

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Company Name	Brand	Maturity	Final Pop.	# Broken Stalks	Net Weight	Test Weight	% Moist.	Yield	Adjusted Yield
Wolf River Valley Seeds	2291GT	91	28500	7	1410	55.0	15.6	185.0	182.9
Renk Seed Company	RK434VT3P	92	28000	0	1390	57.0	18.5	176.2	181.2
Integra Seed - Wilbur Ellis Co.	9422	92	30000	1	1490	57.0	16.3	193.9	199.0
Kruger Seed Inc.	K4292	92	28500	0	1435	57.0	18.6	181.6	186.7
Wensman Seed	W8120VT2PRO	92	30500	0	1456	57.0	16.4	189.3	194.4
Hyland	8386	92	28500	0	1344	55.0	16.6	174.3	177.9
Syngenta NK Seeds	N29T-3000GT	92	30500	1	1420	57.0	17.6	181.9	185.5
Pro-Ag Dyna Gro	32RR29	92	30000	0	1390	57.0	16.3	180.9	184.5
Hyland	8454	92	30000	0	1305	55.0	17.4	167.6	171.2
Kruger Seed Inc.	K-7593	93	31500	0	1445	58.0	17.4	185.6	181.0
Wensman Seed	W7140VT3PRO	93	31000	0	1358	56.0	17.4	174.4	169.9
Gold Country Seed	93-07VT3P	93	33000	0	1460	57.0	18.0	186.2	181.6
Integra Seed - Wilbur Ellis Co.	9453	94	28000	0	1384	54.0	17.6	177.3	172.8
Kruger Seed Inc.	K-7194	94	33000	0	1454	55.0	15.9	190.1	188.3
Mycogen Seeds	X20398	95	28500	0	1195	55.0	18.7	151.1	149.3
Pioneer	P9519 HR	95	26000	1	1300	54.0	19.1	163.5	161.7
Kruger Seed Inc.	K7495	95	32500	0	1455	56.0	18.7	183.9	182.1
Pioneer	P9675 XR	96	28500	1	1335	59.0	20.8	164.4	164.7

Brand Test Weight Average	56
Brand Moisture Average	17.0
Brand Yield Average	175.8
Brand Adjusted Yield Average	175.7

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

Company Name	Brand	Maturity	Net Weight	Test Weight	% Moist.	Yield
Check - Wensman	5105 BT	90	1374	56.0	16.7	178.0
Check			1436	56.0	17.2	184.9
Check			1492	55.0	17.6	191.2
Check			1470	56.0	16.2	191.6
Check			1440	56.0	16.9	186.1
Check			1480	56.0	18.6	187.3
Check			1456	57.0	16.7	188.6
Check			1490	56.0	18.0	190.0
Check			1434	56.0	19.6	179.3
Check			1424	56.0	18.4	180.7
Check			1398	56.0	16.9	180.6
Check			1454	55.0	17.1	187.4
Check			1446	56.0	16.3	188.2
Check			1375	57.0	19.1	173.0
Check			1498	55.0	17.9	191.2
Check			1495	58.0	18.6	189.2
Check			1464	55.0	18.4	185.8
Check			1438	55.0	17.3	184.9

Check Test Weight Average	56
Check Moisture Average	17.6
Check Yield Average	185.4

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

85 Day or Less Minnesota Maturity

Company	Brand	Maturity	Final Pop.	Broken Stalks	Net Weight	Test Weight	% Moist.	Yield	Adjusted Yield
Terning Seed	TS8024	84	31500	2	1380	57.0	16.2	179.8	177.5
Wensman Seed	W8085 VT2Pro	84	28500	2	1360	56.5	16.0	177.6	175.3
Renk Seed Company	RK268RR	85	30000	0	1364	56.0	16.9	176.3	173.9
Midstate Genetics	GT827	82	31500	0	1362	56.0	17.2	175.4	173.0
Producers Hybrids	4564VT3	85	30500	0	1348	55.0	16.7	174.6	168.9
Integra Seed - Wilbur Ellis Co.	9350	85	30500	2	1314	57.0	14.8	174.1	168.4
Hyland Seeds	HLR228	85	29500	0	1324	55.0	16.0	172.9	167.3
Kruger Seed Inc.	K-6385VT3	85	30000	0	1316	57.0	17.1	169.6	164.0
Syngenta NK Seeds	N12R-3000GT	80	31500	0	1284	59.0	16.0	167.7	172.0
Renk Seed Company	RK212GT	81	29500	0	1276	56.0	17.0	164.7	168.9
Pioneer	P8107 HR	81	28000	0	1242	57.0	16.8	160.7	164.9
Pro-Ag Dyna-Gro	CX11179	79	28000	1	1202	58.5	16.0	157.0	161.2

85 Day or Less Test Wgt Average	57
85 Day or Less Moisture Average	16.4
85 Day or Less Yield Average	170.9
85 Day or Less Adjusted Yield Average	169.6

86 - 90 Day Minnesota Maturity

Company	Brand	Maturity	Final Pop.	Broken Stalks	Net Weight	Test Weight	% Moist.	Yield	Adjusted Yield
Gold Country Seed	89-09VT3P	89	30000	0	1484	56.0	16.1	193.6	199.3
Dahlman	R45-46RR	90	31000	1	1492	56.0	16.8	193.0	194.7
Hyland Seeds	B32R	86	29000	1	1480	56.0	16.9	191.2	190.2
Producers Hybrids	5004VT3	90	29500	0	1466	56.0	17.3	188.5	190.2
Pro-Ag Dyna-Gro	52V01VT3	87	31000	0	1470	55.0	18.0	187.4	185.1
Kruger Seed Inc.	K4189	89	32000	1	1438	54.0	16.4	186.9	192.6
Renk Seed Company	RK302GTCBLLRW	88	30500	3	1424	55.0	16.4	185.1	181.5
Midstate Genetics	GT860	86	30500	0	1412	56.0	15.7	185.1	184.1
Dahlman	R43-30GENVT3P	86	28500	0	1422	56.0	17.1	183.3	182.3
Kruger Seed Inc.	K4-9489	89	30000	0	1410	54.0	16.5	183.1	184.1
Producers Hybrids	4972RR	89	29500	0	1398	56.0	16.1	182.4	188.1
Terning Seed Inc	TS8198	90	26500	1	1416	55.0	17.2	182.3	187.3
Dahlman	R44-66RR	88	31000	1	1370	55.0	16.3	178.3	174.7
Wensman Seed	W8107VT2PRO	90	30000	0	1376	54.0	17.1	177.4	182.4
Terning Seed	TS8167	86	31000	0	1362	56.0	16.4	177.1	173.9
Integra Seed - Wilbur Ellis Co.	9390	89	28000	0	1362	56.0	16.4	177.1	178.1
Wensman Seed	W8089VT2PRO	86	31000	0	1360	55.0	16.4	176.8	173.7
Integra Seed - Wilbur Ellis Co.	9361	86	32500	1	1358	55.0	16.3	176.7	173.6
Pro-Ag Dyna-Gro	21GC19GTCBLL	87	30000	3	1354	57.0	16.1	176.6	174.4
Kruger Seed Inc.	K-7386	86	30500	0	1350	56.0	16.4	175.5	172.4
Hyland Seeds	Juxxin	90	25500	0	1352	55.0	17.2	174.1	179.1
Pioneer	P8906HR	89	26500	0	1342	56.0	16.8	173.6	174.7
Syngenta NK Seeds	N21J-3000GT	86	23500	0	1326	57.0	17.1	170.9	169.9
Hyland Seeds	8234	86	31500	0	1334	55.0	18.0	170.1	167.8
North Star Genetics	X90-101	90	30000	0	1298	54.0	16.6	168.3	173.3
North Star Genetics	NS87-102	87	28000	2	1292	57.0	16.5	167.8	165.5

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86 - 90 Day Minnesota Maturity (Continued)

Company	Brand	Maturity	Final Pop.	Broken Stalks	Net Weight	Test Weight	% Moist.	Yield	Adjusted Yield
Syngenta NK Seeds	N23K-3000 GT	88	25500	0	1270	55.0	17.0	163.9	165.0
Terning Seed Inc	TSEXP88	88	28500	0	1228	56.0	16.2	160.0	156.4
Dahlman	R45-30GENVT3P	90	27500	0	1256	55.0	19.0	158.2	163.9
Hyland Seeds	CUR48	88	23500	0	1114	56.0	18.5	141.2	137.6
Wolf River Valley Seeds	2290GT	90	18500	0	1084	54.0	16.9	140.1	141.7

86-90 Day or Less Test Wgt Ave.	55
86-90 Day or Less Moisture Average	16.8
86-90 Day or Less Yield Average	175.7
86-90 Day or Less Adjusted Yield Average	176.0

Over 90 Day Minnesota Maturity

Company	Brand	Maturity	Final Pop.	Broken Stalks	Net Weight	Test Weight	% Moist.	Yield	Adjusted Yield
Integra Seed - Wilbur Ellis Co.	9422	92	30000	1	1490	57.0	16.3	193.9	199.0
Kruger Seed Inc.	K-7194	94	33000	0	1454	55.0	15.9	190.1	188.3
Wensman Seed	W8120VT2PRO	92	30500	0	1456	57.0	16.4	189.3	194.4
Midstate Genetics	GT915	91	31000	0	1426	54.0	15.8	186.7	184.6
Gold Country Seed	93-07VT3P	93	33000	0	1460	57.0	18.0	186.2	181.6
Kruger Seed Inc.	K-7593	93	31500	0	1445	58.0	17.4	185.6	181.0
Wolf River Valley Seeds	2291GT	91	28500	7	1410	55.0	15.6	185.0	182.9
Kruger Seed Inc.	K7495	95	32500	0	1455	56.0	18.7	183.9	182.1
Syngenta NK Seeds	N29T-3000GT	92	30500	1	1420	57.0	17.6	181.9	185.5
Kruger Seed Inc.	K4292	92	28500	0	1435	57.0	18.6	181.6	186.7
Producers Hybrids	XP5140	91	32000	0	1376	55.0	15.3	181.2	179.1
Pro-Ag Dyna Gro	32RR29	92	30000	0	1390	57.0	16.3	180.9	184.5
Renk Seed Company	RK334RR	91	28500	0	1428	55.0	20.0	177.6	179.3
Integra Seed - Wilbur Ellis Co.	9453	94	28000	0	1384	54.0	17.6	177.3	172.8
Renk Seed Company	RK434VT3P	92	28000	0	1390	57.0	18.5	176.2	181.2
Wensman Seed	W7110CON	91	32000	0	1354	55.0	16.6	175.6	173.5
Wensman Seed	W7140VT3PRO	93	31000	0	1358	56.0	17.4	174.4	169.9
Hyland	8386	92	28500	0	1344	55.0	16.6	174.3	177.9
Hyland	8454	92	30000	0	1305	55.0	17.4	167.6	171.2
Pioneer	P9675 XR	96	28500	1	1335	59.0	20.8	164.4	164.7
Pioneer	P9519 HR	95	26000	1	1300	54.0	19.1	163.5	161.7
Mycogen Seeds	X20398	95	28500	0	1195	55.0	18.7	151.1	149.3

Over 90 Day Test Wgt Average	56
Over 90 Day Moisture Average	17.5
Over 90 Day Yield Average	178.6
Over 90 Day Adjusted Yield Average	178.7

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 to that area 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.