

Corn Yield Trials

2013



**Central Lakes College
Agricultural & Energy
Center**

Central Lakes College
1830 Airport Rd.
Staples MN 56479
218-894-5160

CORN BRAND DEMONSTRATION REPORT - 2013
Central Lakes College Agricultural and Energy Center

Date Planted: May 14, 2013
Date Harvested: November 4, 2013
Starter Fertilizer: 30-10-40-10
Sidedress Fertilizer: 120 Units Urea, 80 Units 28%
Herbicide: Outlook Pre-emerge, Status Post-emerge
Planted Population: 32,984

Previous Crop: Corn
Tillage: Fall plowed, spring disked, 1x
Irrigated: 11.5" Linear System
Plot Size: 4 - 30" Rows, 4 Rows Sampled

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

Company Name	Brand	Maturity	Final Pop.	# Broken Stalks	Test Weight	% Moist.	Yield	Adjusted Yield
Hyland Seeds	8105	80	29,500	0.0%	57.0	20.7	167.03	171.71
Dekalb	DKC 31-07	81	31,000	1.6%	54.0	19.4	159.94	164.63
Cropland	2123VT2P/RIB	81	30,000	1.7%	55.0	18.5	176.13	180.82
Midstate Genetics	GT 827	82	29,500	1.7%	54.0	18.5	163.96	168.65
Partners Brand	5203 GT	82	32,500	0.0%	55.0	19.6	159.79	163.29
Hyland Seeds	8166	83	30,500	11.5%	55.0	20.5	178.60	182.10
Partners Brand	5301	83	22,000	0.0%	53.0	23.0	136.60	140.10
Wensman Seed Company	W 8085VT2RIB	84	29,000	0.0%	54.0	19.5	168.08	171.59
Cropland	2417VT	84	30,500	1.6%	55.0	20.6	191.20	187.52
LG Seeds	LG 5369RR	84	30,000	0.0%	54.0	20.7	164.37	160.69
Kruger Seed	KR-4184	84	31,000	0.0%	55.0	23.5	179.55	175.87
Hyland Seeds	8180	84	27,500	1.8%	53.0	22.9	161.22	157.54
Dahlman Seed	R42-21VT2PRIB	84	32,500	1.5%	55.0	22.2	184.74	179.75
Hyland Seeds	X13208S3 (8201)	84	30,000	0.0%	55.0	21.2	175.82	170.84
Cropland	2520VT3	85	28,000	0.0%	54.0	20.1	160.74	155.76
Kruger Seed	KR-4685	85	30,000	0.0%	54.0	17.5	164.71	159.73
Producers Hybrids	4593 VT2RIB	85	32,000	1.6%	56.0	19.1	164.23	167.55
Renk Seed Co	RK 266 VT3P	85	31,500	0.0%	54.0	19.9	175.79	179.11
Partners Brand	5503 GT	85	30,500	1.6%	53.0	19.6	158.32	161.64
Dahlman Seed	R43-23VT2PRIB	85	29,500	1.7%	53.0	19.5	165.38	168.70
Dekalb	DKC 35-54	85	30,500	0.0%	56.0	20.3	191.92	194.29
Wensman Seed Company	W 60851 RR	85	28,500	1.8%	53.0	20.6	161.91	164.28
Integra Seed	9352VT3Pro	85	31,000	0.0%	53.0	24.2	171.21	173.58
Renk Seed Co	RK 275GTCBLL RW	85	31,000	1.6%	52.2	14.5	165.23	167.60
Hyland Seeds	8202	85	31,500	0.0%	53.0	22.3	187.10	183.59
LG Seeds	5372VT2RIB	85	29,000	1.7%	56.0	19.3	170.35	166.83
Midstate Genetics	GT 860	86	29,000	1.7%	53.0	18.5	160.85	157.34
Kruger Seed	KR-7386	86	31,000	0.0%	53.0	19.7	171.95	168.43
Midstate Genetics	GT 865 BT	86	31,000	0.0%	53.0	25.8	171.21	168.17
Wensman Seed Company	W 8089VT2RIB	86	31,500	0.0%	52.0	18.5	154.02	150.98
Dekalb	DKC 37-38	87	30,000	0.0%	55.0	18.9	178.61	175.56
Partners Brand	PB 5703 GT	87	30,000	3.3%	54.0	20.0	185.33	182.28
Kruger Seed	KR-4588	88	31,000	0.0%	54.0	18.2	163.57	164.16
Hyland Seeds	8295	88	31,000	0.0%	54.0	27.2	186.62	187.22
Wensman Seed Company	W 8097VT2RIB	88	29,000	0.0%	56.0	18.6	172.69	173.29
LG Seeds	LG5384VT2PRIB	88	31,000	0.0%	56.0	20.7	184.67	185.27
Midstate Genetics	GT 885	88	28,500	0.0%	54.0	21.2	178.58	179.48
Dahlman Seed	R44-66	88	30,500	0.0%	53.0	20.5	167.69	168.59
Dekalb	DKC 38-03	88	28,500	0.0%	53.0	19.8	165.50	166.40
Midstate Genetics	NF 38F06	86	30,500	0.0%	55.0	21.8	143.97	144.87
Cropland	2845SS/RIB	88	30,000	0.0%	55.0	19.6	184.29	186.36
Kruger	K4R-9689	89	28,000	0.0%	54.0	18.2	167.80	169.87
Integra Seed	9390VT2Pro	89	28,500	1.8%	53.0	20.5	156.91	158.97
Producers Hybrids	XP4938STX	89	30,500	0.0%	54.0	21.0	179.88	181.94

CORN BRAND DEMONSTRATION REPORT - 2013
Central Lakes College Agricultural and Energy Center

Company Name	Brand	Maturity	Final Pop.	# Broken Stalks	Test Weight	% Moist.	Yield	Adjusted Yield
Dahlman Seed	R44-26VT2PRIB	89	30,500	0.0%	54.2	23.8	188.14	190.44
Partners Brand	6003 3022	90	29,500	0.0%	54.0	20.5	170.36	172.65
Wensman Seed Company	W 8107VT2RIB	90	27,500	0.0%	54.0	20.0	179.84	182.14
LG Seeds	LG 5408STXRIB	90	30,500	0.0%	54.0	20.9	193.61	195.91
Cropland	3055VT2P	90	30,500	0.0%	55.0	21.7	187.36	187.55
Hyland Seeds	8300	91	32,000	0.0%	52.5	22.8	165.90	166.10
Kruger	K4R-9091	91	30,000	0.0%	54.0	24.6	180.65	180.84
Producers Hybrids	5144 VT3ProRIB	91	30,000	1.7%	52.7	25.6	184.83	185.02
LG Seeds	LG2414VT3PRIB	91	30,000	0.0%	52.1	25.6	183.69	184.00
Wensman Seed Company	W 7110VT3PRIB	91	31,000	0.0%	54.0	24.8	193.69	194.00
Integra Seed	9412VT2Pro	92	30,000	0.0%	52.9	21.5	172.88	173.19
Dahlman Seed	R46-27VT2PRIB	92	30,500	1.6%	55.0	25.8	194.96	195.27
Hyland Seeds	8315	92	31,500	0.0%	54.0	23.6	188.86	187.73
Wensman Seed Company	W8120VT2RIB	92	30,500	1.6%	53.2	20.5	161.15	160.02
DeKalb	DKC 43-10	93	30,000	0.0%	54.0	21.9	174.50	173.37
Producers Hybrids	5384VT3ProRIB	93	32,000	0.0%	53.1	20.4	179.55	178.42
Kruger	K4R-9194	94	31,000	0.0%	52.2	26.5	193.79	189.91
Integra Seed	9455VT3Pro	94	30,000	0.0%	53.0	21.5	171.09	167.20
Kruger Seed	KR-4195	95	28,000	0.0%	51.2	27.2	191.39	187.51

Brand Test Weight Average	54
Brand Moisture Average	21.2
Brand Yield Average	173.6
Brand Adjusted Yield Average	173.6

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

Company Name	Brand	Maturity	Test Weight	% Moist.	Yield
Check - Wensman	5105 BT	90	54.0	21.2	171.98
Check			53.0	19.2	174.62
Check			56.0	19.1	174.34
Check			56.0	22.5	188.99
Check			55.0	22.8	176.96
Check			55.0	19.9	172.37
Check			54.0	19.4	178.86
Check			54.0	19.5	184.15
Check			55.0	20.7	177.90
Check			55.0	18.5	176.88
Check			55.0	19.1	177.30
Check			55.0	20.8	174.54
Check			54.0	20.8	176.84
Check			55.0	20.0	178.74
Check			54.0	20.9	176.61
Check			55.0	21.6	181.62
Check			54.0	22.0	182.12

Check Test Weight Average	55
Check Moisture Average	20.5
Check Yield Average	177.9

CORN BRAND DEMONSTRATION REPORT - 2013
Central Lakes College Agricultural and Energy Center

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	Test Weight	% Moist.	Yield	Adjusted Yield
Dekalb	DKC 35-54	85	30,500	0.0%	56.0	20.3	191.92	192.16
Cropland	2417VT	84	30,500	1.6%	55.0	20.6	191.20	191.44
Hyland Seeds	8202	85	31,500	0.0%	53.0	22.3	187.10	187.35
Dahlman Seed	R42-21VT2PRIB	84	32,500	1.5%	55.0	22.2	184.74	184.98
Kruger Seed	KR-4184	84	31,000	0.0%	55.0	23.5	179.55	179.79
Hyland Seeds	8166	83	30,500	11.5%	55.0	20.5	178.60	178.84
Cropland	2123VT2P/RIB	81	30,000	1.7%	55.0	18.5	176.13	176.38
Hyland Seeds	X13208S3 (8201)	84	30,000	0.0%	55.0	21.2	175.82	176.07
Renk Seed Co	RK 266 VT3P	85	31,500	0.0%	54.0	19.9	175.79	176.04
Integra Seed	9352VT3Pro	85	31,000	0.0%	53.0	24.2	171.21	171.45
LG Seeds	5372VT2RIB	85	29,000	1.7%	56.0	19.3	170.35	170.59
Wensman Seed Company	W 8085VT2RIB	84	29,000	0.0%	54.0	19.5	168.08	168.33
Hyland Seeds	8105	80	29,500	0.0%	57.0	20.7	167.03	167.27
Dahlman Seed	R43-23VT2PRIB	85	29,500	1.7%	53.0	19.5	165.38	165.63
Renk Seed Co	RK 275GTCBLL RW	85	31,000	1.6%	52.2	14.5	165.23	165.47
Kruger Seed	KR-4685	85	30,000	0.0%	54.0	17.5	164.71	164.96
LG Seeds	LG 5369RR	84	30,000	0.0%	54.0	20.7	164.37	164.61
Producers Hybrids	4593 VT2RIB	85	32,000	1.6%	56.0	19.1	164.23	164.48
Midstate Genetics	GT 827	82	29,500	1.7%	54.0	18.5	163.96	164.20
Wensman Seed Company	W 60851 RR	85	28,500	1.8%	53.0	20.6	161.91	162.16
Hyland Seeds	8180	84	27,500	1.8%	53.0	22.9	161.22	161.46
Cropland	2520VT3	85	28,000	0.0%	54.0	20.1	160.74	160.98
Dekalb	DKC 31-07	81	31,000	1.6%	54.0	19.4	159.94	160.18
Partners Brand	5203 GT	82	32,500	0.0%	55.0	19.6	159.79	160.03
Partners Brand	5503 GT	85	30,500	1.6%	53.0	19.6	158.32	158.56
Partners Brand	5301	83	22,000	0.0%	53.0	23.0	136.60	136.84

85 Day or Less Test Wgt Average	54
85 Day or Less Moisture Average	20.3
85 Day or Less Yield Average	169.4
85 Day or Less Adjusted Yield Average	169.6

86 - 90 Day Minnesota Maturity

Company	Brand	Maturity	Final Pop.	# Broken	Test Weight	% Moist.	Yield	Adjusted Yield
LG Seeds	LG 5408STXRIB	90	30,500	0.0%	54.0	20.9	193.61	193.49
Dahlman Seed	R44-26VT2PRIB	89	30,500	0.0%	54.2	23.8	188.14	188.02
Cropland	3055VT2P	90	30,500	0.0%	55.0	21.7	187.36	187.24
Hyland Seeds	8295	88	31,000	0.0%	54.0	27.2	186.62	186.50
Partners Brand	PB 5703 GT	87	30,000	3.3%	54.0	20.0	185.33	185.21
LG Seeds	LG5384VT2PRIB	88	31,000	0.0%	56.0	20.7	184.67	184.55
Cropland	2845SS/RIB	88	30,000	0.0%	55.0	19.6	184.29	184.18
Producers Hybrids	XP4938STX	89	30,500	0.0%	54.0	21.0	179.88	179.76
Wensman Seed Company	W 8107VT2RIB	90	27,500	0.0%	54.0	20.0	179.84	179.72
Dekalb	DKC 37-38	87	30,000	0.0%	55.0	18.9	178.61	178.49
Midstate Genetics	GT 885	88	28,500	0.0%	54.0	21.2	178.58	178.47
Wensman Seed Company	W 8097VT2RIB	88	29,000	0.0%	56.0	18.6	172.69	172.57
Kruger Seed	KR-7386	86	31,000	0.0%	53.0	19.7	171.95	171.83
Midstate Genetics	GT 865 BT	86	31,000	0.0%	53.0	25.8	171.21	171.09
Partners Brand	6003 3022	90	29,500	0.0%	54.0	20.5	170.36	170.24
Kruger	K4R-9689	89	28,000	0.0%	54.0	18.2	167.80	167.69

CORN BRAND DEMONSTRATION REPORT - 2013
Central Lakes College Agricultural and Energy Center

86 - 90 Day Minnesota Maturity (Continued)

Company	Brand	Maturity	Final Pop.	# Broken	Test Weight	% Moist.	Yield	Adjusted Yield
Dahlman Seed	R44-66	88	30,500	0.0%	53.0	20.5	167.69	167.57
Dekalb	DKC 38-03	88	28,500	0.0%	53.0	19.8	165.50	165.38
Kruger Seed	KR-4588	88	31,000	0.0%	54.0	18.2	163.57	163.45
Midstate Genetics	GT 860	86	29,000	1.7%	53.0	18.5	160.85	160.74
Integra Seed	9390VT2Pro	89	28,500	1.8%	53.0	20.5	156.91	156.79
Wensman Seed Company	W 8089VT2RIB	86	31,500	0.0%	52.0	18.5	154.02	153.90
Midstate Genetics	NF 38F06	86	30,500	0.0%	55.0	21.8	143.97	143.85

86-90 Day or Less Test Wgt Ave.	54
86-90 Day or Less Moisture Average	20.7
86-90 Day or Less Yield Average	173.6
86-90 Day or Less Adjusted Yield Average	173.5

Over 90 Day Minnesota Maturity

Company	Brand	Maturity	Final Pop.	# Broken	Test Weight	% Moist.	Yield	Adjusted Yield
Dahlman Seed	R46-27VT2PRIB	92	30,500	1.6%	55.0	25.8	194.96	193.83
Kruger	K4R-9194	94	31,000	0.0%	52.2	26.5	193.79	192.67
Wensman Seed Company	W 7110VT3PRIB	91	31,000	0.0%	54.0	24.8	193.69	192.56
Kruger Seed	KR-4195	95	28,000	0.0%	51.2	27.2	191.39	190.27
Hyland Seeds	8315	92	31,500	0.0%	54.0	23.6	188.86	187.74
Producers Hybrids	5144 VT3ProRIB	91	30,000	1.7%	52.7	25.6	184.83	183.70
LG Seeds	LG2414VT3PRIB	91	30,000	0.0%	52.1	25.6	183.69	182.57
Kruger	K4R-9091	91	30,000	0.0%	54.0	24.6	180.65	179.52
Producers Hybrids	5384VT3ProRIB	93	32,000	0.0%	53.1	20.4	179.55	178.42
DeKalb	DKC 43-10	93	30,000	0.0%	54.0	21.9	174.50	173.37
Integra Seed	9412VT2Pro	92	30,000	0.0%	52.9	21.5	172.88	171.75
Integra Seed	9455VT3Pro	94	30,000	0.0%	53.0	21.5	171.09	169.96
Hyland Seeds	8300	91	32,000	0.0%	52.5	22.8	165.90	164.77
Wensman Seed Company	W8120VT2RIB	92	30,500	1.6%	53.2	20.5	161.15	160.02

Over 90 Day Test Wgt Average	53
Over 90 Day Moisture Average	23.7
Over 90 Day Yield Average	181.2
Over 90 Day Adjusted Yield Average	180.1

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.