

Corn Yield Trials

2012



**Central Lakes College
Agricultural & Energy
Center**

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

CORN BRAND DEMONSTRATION REPORT - 2012
Central Lakes College Agricultural and Energy Center

Date Planted: May 2, 2012	Tillage: Fall plowed, spring disked, 1x
Date Harvested: October 3, 2012	Irrigated: 9" Linear System
Starter Fertilizer: 30-10-40-10	
Sidedress Fertilizer: 12 Units of N 60 Units 28%	Plot Size: 4 - 30" Rows, 4 Rows Sampled
Herbicide: Outlook Pre-emerge, Status Post-emerge	Growing Degree Days (GDD - Wadena):
Planted Population: 32,984	2012 (Apr 30 - Sept 23): 2261
Previous Crop: Corn	Compared to normal: + 288

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

Company Name	Brand	Final Maturity	# Broken Pop.	Test Stalks	% Weight	Moist.	Adjusted Yield	Yield
DeKalb	DKC 30-20	80	27000	0	63.2	12.9	155.50	145.49
Croplan Genetics	2123	81	25000	1	60.0	12.9	169.81	159.80
LG Seeds	LG 5353VT3PRO	82	29000	0	63.5	14.3	185.93	175.92
Dyna-grow	D23VP35VT3P	83	29000	1	58.0	14.7	190.20	189.86
LG Seeds	LG 5369RR	84	29000	1	62.0	13.6	192.65	192.31
Hyland Seeds	8166	84	32000	0	60.0	14.0	182.95	182.61
Producers Hybrids	4413RR	84	30000	0	59.0	14.1	180.93	194.62
Croplan Genetics	2551VT3P	84	28000	1	62.6	14.1	161.13	174.82
Kruger	K-7184	84	31000	1	60.0	13.3	178.43	192.12
Wensman	8085VT2RIB	84	29000	3	58.0	14.7	206.65	205.14
Hyland Seeds	X23103	84	32000	1	63.0	13.4	182.01	189.18
Renk	RK268RR	84	33000	1	58.0	14.2	185.11	192.28
DeKalb	DKC 35-55	85	32000	1	62.2	13.4	180.70	187.87
Kruger	K-6385VT3	85	21000	0	60.0	14.3	173.02	180.19
Wensman	8086 RR	85	26000	1	59.0	14.4	184.16	185.82
Channel Bio	185-80VT3P	85	28000	0	62.0	15.9	199.56	201.21
LG Seeds	LG2362VT3	86	32000	2	58.0	14.4	199.64	201.29
Integra Seeds	9361VT2Pro	86	19000	0	60.8	14.6	179.49	181.14
Hyland Seeds	8234	86	15000	0	59.6	15.1	184.18	192.18
Kruger	K-7386	86	30000	2	60.0	13.4	175.09	183.09
Dahlman Seeds	R43-20VT2P	86	26000	0	61.6	14.1	171.48	179.47
Wensman	8089 VT2RIB	86	27000	0	59.0	13.8	180.52	188.52
DeKalb	DKC-37-38	87	29000	1	62.2	14.1	200.60	200.69
Dyna-grow	52V01VT3	87	27000	1	58.0	14.4	194.74	194.84
Hyland Seeds	3295	88	25000	0	60.2	17.3	206.71	206.80
DeKalb	DKC-38-03	88	30000	3	60.8	17.3	241.10	232.27
Hyland Seeds	8295	88	26000	0	56.0	16.7	183.48	174.66
Dahlman Seeds	R44-66	88	29000	2	60.0	17.3	209.32	200.50
Wensman	8097 CONV	88	27000	1	58.0	14.8	206.92	198.10
Kruger	KR-4189	89	25000	0	58.0	16.4	212.36	210.37
Producers Hybrids	4974 VT3Pro	89	30000	2	60.0	17.3	216.80	214.82
Integra Seeds	9390VT2Pro	89	28000	1	60.0	17.2	199.60	197.93
Gold Country Seeds	90-09GENVT3P	89	26000	0	59.0	14.6	212.55	210.89
DeKalb	DKC-39-07	89	32000	1	60.2	16.1	228.79	227.13
Kruger	K4R-9489	89	29000	1	58.0	16.8	206.58	204.91
Wensman	7110VT3PRO	90	31000	0	60.0	15.3	185.03	198.72
Dahlman Seeds	R45-30VT3P	90	34000	2	60.2	13.5	198.74	197.23
Seeds 2000	2903GTCBLL	90	19000	1	57.0	16.0	179.46	177.95
Channel Bio	190-95VT3P	90	27000	0	60.1	15.5	185.23	183.73
Gold Country Seeds	93-07GENVT3P	90	30000	0	59.4	16.6	219.26	220.13
Wensman	8107 VT2RIB	90	30000	1	59.0	14.6	207.41	208.28

CORN BRAND DEMONSTRATION REPORT - 2012
Central Lakes College Agricultural and Energy Center

Company Name	Brand	Maturity	Final Pop.	# Broken Stalks	Test Weight	% Moist.	Yield	Adjusted Yield
Producers Hybrids	5144VT3Pro	91	33000	0	58.0	14.8	203.33	204.20
Kruger	K-7091	91	30000	1	58.0	16.6	195.26	201.17
Producers Hybrids	5224VT3Pro	92	31000	2	58.0	15.4	204.96	210.86
Integra Seeds	9422VT2Pro	92	31000	3	63.1	15.8	206.78	212.68
Kruger	KR-4292	92	31000	3	58.1	17.9	203.48	208.75
Dahlman Seeds	R45-20VT2P	92	29000	1	58.0	16.0	215.14	220.42
Seeds 2000	9202 VT2P	92	31000	1	59.3	16.5	215.75	221.03
Channel Bio	192-09VT3P	92	30000	0	57.0	16.3	222.19	227.47
Wensman	8120VT2RIB	92	37000	0	57.0	15.1	216.68	214.14
Renk	RK434VT3P	92	31000	1	58.0	16.0	216.92	214.37
Hyland Seeds	8395	93	31000	1	57.2	18.8	179.22	176.68
Kruger	K4R-9593	93	32000	0	58.9	18.0	215.58	208.45
Hyland Seeds	8454	94	30000	1	58.0	16.2	208.57	201.44
Kruger	K-7194	94	30000	0	59.8	15.9	209.70	202.56
Integra Seeds	9455VT3Pro	95	33000	1	57.0	16.1	224.24	217.11
Kruger	K4R-9495	95	30000	2	57.0	16.3	226.73	218.09
Seeds 2000	9504 VT3P	95	31000	1	59.8	18.4	209.61	200.97
Kruger	K-7195	95	32000	2	56.0	18.6	238.41	229.77
DeKalb	DKC43-10	93	32000	1	59.9	17.5	232.43	223.79

Brand Test Weight Average	59
Brand Moisture Average	15.5
Brand Yield Average	199.0
Brand Adjusted Yield Average	199.1

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

Company Name	Brand	Maturity	Test Weight	% Moist.	Yield
Check - Wensman	5105 BT	90	60.0	16.4	208.45
Check			59.0	15.4	219.74
Check			62.4	14.9	189.11
Check			58.0	14.5	191.68
Check			59.9	16.4	202.15
Check			59.0	14.3	202.71
Check			62.3	15.6	189.47
Check			58.0	17.5	218.51
Check			61.8	16.1	207.30
Check			58.0	18.1	204.83
Check			62.0	16.1	206.67
Check			58.0	16.0	204.51
Check			61.5	16.5	201.91
Check			59.0	16.3	194.45
Check			60.4	16.5	203.17
Check			58.0	16.3	210.09
Check			60.5	16.6	212.35
Check			58.0	15.1	213.10

Check Test Weight Average	60
Check Moisture Average	16.0
Check Yield Average	204.5

CORN BRAND DEMONSTRATION REPORT - 2012
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
Wensman	8085VT2RIB	84	29000	3	58.0	14.7	206.65	206.51
Channel Bio	185-80VT3P	85	28000	0	62.0	15.9	199.56	201.42
LG Seeds	LG 5369RR	84	29000	1	62.0	13.6	192.65	194.51
Dyna-grow	D23VP35VT3P	83	29000	1	58.0	14.7	190.20	192.06
LG Seeds	LG 5353VT3PRO	82	29000	0	63.5	14.3	185.93	187.79
Renk	RK268RR	84	33000	1	58.0	14.2	185.11	186.97
Wensman	8086 RR	85	26000	1	59.0	14.4	184.16	186.02
Hyland Seeds	8166	84	32000	0	60.0	14.0	182.95	184.81
Hyland Seeds	X23103	84	32000	1	63.0	13.4	182.01	183.87
Producers Hybrids	4413RR	84	30000	0	59.0	14.1	180.93	182.78
DeKalb	DKC 35-55	85	32000	1	62.2	13.4	180.70	182.56
Kruger	K-7184	84	31000	1	60.0	13.3	178.43	180.29
Kruger	K-6385VT3	85	21000	0	60.0	14.3	173.02	174.87
Croplan Genetics	2123	81	25000	1	60.0	12.9	169.81	171.66
Croplan Genetics	2551VT3P	84	28000	1	62.6	14.1	161.13	162.98
DeKalb	DKC 30-20	80	27000	0	63.2	12.9	155.50	157.36

85 Day or Less Test Wgt Average	61
85 Day or Less Moisture Average	14.0
85 Day or Less Yield Average	181.8
85 Day or Less Adjusted Yield Average	183.5

86 - 90 Day Minnesota Maturity

Company	Brand	Maturity	Final Pop.	# Broken	Test Weight	% Moist.	Yield	Adjusted Yield
DeKalb	DKC-38-03	88	30000	3	60.8	17.3	241.10	240.95
DeKalb	DKC-39-07	89	32000	1	60.2	16.1	228.79	228.65
Gold Country Seeds	93-07GENVT3P	90	30000	0	59.4	16.6	219.26	219.12
Producers Hybrids	4974 VT3Pro	89	30000	2	60.0	17.3	216.80	216.65
Gold Country Seeds	90-09GENVT3P	89	26000	0	59.0	14.6	212.55	212.41
Kruger	KR-4189	89	25000	0	58.0	16.4	212.36	212.21
Dahlman Seeds	R44-66	88	29000	2	60.0	17.3	209.32	209.18
Wensman	8107 VT2RIB	90	30000	1	59.0	14.6	207.41	207.26
Wensman	8097 CONV	88	27000	1	58.0	14.8	206.92	206.78
Hyland Seeds	3295	88	25000	0	60.2	17.3	206.71	206.56
Kruger	K4R-9489	89	29000	1	58.0	16.8	206.58	206.43
DeKalb	DKC-37-38	87	29000	1	62.2	14.1	200.60	200.45
LG Seeds	LG2362VT3	86	32000	2	58.0	14.4	199.64	199.49
Integra Seeds	9390VT2Pro	89	28000	1	60.0	17.2	199.60	199.45
Dahlman Seeds	R45-30VT3P	90	34000	2	60.2	13.5	198.74	198.60
Dyna-grow	52V01VT3	87	27000	1	58.0	14.4	194.74	194.59
Channel Bio	190-95VT3P	90	27000	0	60.1	15.5	185.23	185.09
Wensman	7110VT3PRO	90	31000	0	60.0	15.3	185.03	186.89
Hyland Seeds	8234	86	15000	0	59.6	15.1	184.18	184.04

CORN BRAND DEMONSTRATION REPORT - 2012
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
Hyland Seeds	8295	88	26000	0	56.0	16.7	183.48	183.34
Wensman	8089 VT2RIB	86	27000	0	59.0	13.8	180.52	180.37
Integra Seeds	9361VT2Pro	86	19000	0	60.8	14.6	179.49	179.34
Seeds 2000	2903GTCBLL	90	19000	1	57.0	16.0	179.46	179.31
Kruger	K-7386	86	30000	2	60.0	13.4	175.09	174.95
Dahlman Seeds	R43-20VT2P	86	26000	0	61.6	14.1	171.48	171.33

86-90 Day or Less Test Wgt Ave.	59
86-90 Day or Less Moisture Average	15.5
86-90 Day or Less Yield Average	199.4
86-90 Day or Less Adjusted Yield Average	199.3

Over 90 Day Minnesota Maturity

Company	Brand	Maturity	Final Pop.	# Broken	Test Weight	% Moist.	Yield	Adjusted Yield
Kruger	K-7195	95	32000	2	56.0	18.6	238.41	236.82
DeKalb	DKC43-10	93	32000	1	59.9	17.5	232.43	230.84
Kruger	K4R-9495	95	30000	2	57.0	16.3	226.73	225.14
Integra Seeds	9455VT3Pro	95	33000	1	57.0	16.1	224.24	222.65
Channel Bio	192-09VT3P	92	30000	0	57.0	16.3	222.19	220.60
Renk	RK434VT3P	92	31000	1	58.0	16.0	216.92	215.32
Wensman	8120VT2RIB	92	37000	0	57.0	15.1	216.68	215.09
Seeds 2000	9202 VT2P	92	31000	1	59.3	16.5	215.75	214.16
Kruger	K4R-9593	93	32000	0	58.9	18.0	215.58	213.99
Dahlman Seeds	R45-20VT2P	92	29000	1	58.0	16.0	215.14	213.55
Kruger	K-7194	94	30000	0	59.8	15.9	209.70	208.11
Seeds 2000	9504 VT3P	95	31000	1	59.8	18.4	209.61	208.02
Hyland Seeds	8454	94	30000	1	58.0	16.2	208.57	206.98
Dyna-grow	032RR29	92	27000	1	60.4	17.4	208.45	206.86
Integra Seeds	9422VT2Pro	92	31000	3	63.1	15.8	206.78	205.19
Producers Hybrids	5224VT3Pro	92	31000	2	58.0	15.4	204.96	203.36
Kruger	KR-4292	92	31000	3	58.1	17.9	203.48	201.88
Producers Hybrids	5144VT3Pro	91	33000	0	58.0	14.8	203.33	201.74
Kruger	K-7091	91	30000	1	58.0	16.6	195.26	193.67
Dyna-grow	31VP31VT3P	91	25000	1	60.1	16.8	183.64	182.05
Hyland Seeds	8395	93	31000	1	57.2	18.8	179.22	177.63

Over 90 Day Test Wgt Average	59
Over 90 Day Moisture Average	16.7
Over 90 Day Yield Average	211.3
Over 90 Day Adjusted Yield Average	209.7

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.