

CORN BRAND DEMONSTRATION REPORT - 2022

Central Lakes College Agriculture and Energy Center

Date Planted: May 16, 2022
Date Harvested: October 20, 2022
Starter Fertilizer: 30-0-60-10
In-Furrow: Lumen 3 gal/A, Unlock 2 oz./A
Topdress Fertilizer: 90-0-0-10
Fertigation: 25% @ 8 gal/A & 28% @ 10gal/A
Herbicide: Armezon Pro @ 20oz/A,
 Wheelhouse @ 1.5 pt/A, Detonate @ 4 oz/A
 Atrazine 4L @ 1 pt/A

Planted Population: 34,000
Previous Crop: Soybeans
Tillage: fall ripped, spring mulch finisher
Irrigated: 8.5 inches
Plot Size: 4 - 30 inch rows, 4 rows Sampled
Stand Count Date: June 29, 2022
Notes: Hail even occurred on July 12, 2022.
 Planting order was determined by maturity from earliest to latest. Earlier varieties were planted from the south to later maturities toward the north.

*** LISTED AS PLANTED ***

Company Name	Brand	Maturity	Stand Count	Test Weight	% Moist.	Yield	Adjusted Yield
NK Seeds	NK8005-3220A	80	33,500	55.40	18.60	185.59	189.45
Croplan	CP2007VT2P	80	28,000	56.50	17.40	178.21	182.07
Allegiant	8020VT2P	80	31,500	57.20	15.80	195.36	199.22
Nietfeld Seed Inc	EXP 4011-76	80	35,000	58.60	17.10	185.25	189.11
Allegiant	8187VT2P	81	33,000	55.20	18.70	208.82	202.47
Dahlman Seed	R41-22VT2PRIB	82	31,500	56.60	17.50	215.29	208.94
Nietfeld Seed Inc	EXP 720-10	82	33,000	57.70	18.60	208.22	201.87
Allegiant	8311VT2PRIB	83	33,500	56.10	17.90	205.02	198.67
Renk	RK256-3120	84	33,000	55.10	20.30	214.70	209.38
Becks	3404V2P	84	32,000	53.70	19.00	214.74	209.41
Dahlman Seed	R42-28VT2PRIB	85	33,000	54.40	18.80	217.36	212.03
NK Seeds	NK8519-3220	85	32,500	55.60	18.20	218.96	213.63
Allegiant	8537VT2P	85	34,000	53.40	19.20	211.35	200.39
Allegiant	8482VT2P	85	33,500	54.30	18.70	221.94	210.98
Croplan	CP2585VT2PRIB	85	33,000	54.30	18.80	228.55	217.59
Stine Seed Co.	70068719	86	35,000	55.80	19.60	218.80	207.84
Dahlman Seed	R43-24VT2PRIB	86	34,500	54.20	20.50	222.42	215.71
NK Seeds	NK8618-3120A	86	32,000	55.60	20.90	204.54	197.83
Pioneer	P8602AM	86	31,000	55.50	18.80	215.82	209.11
Allegiant	8704VT2P	87	34,500	55.10	17.80	198.36	191.65
NK Seeds	NK8760-3200	87	24,000	57.20	19.00	177.17	179.77
Becks	3753V2P	87	34,000	56.00	18.80	212.03	214.63
Allegiant	8734VT2P	87	32,000	55.00	18.20	208.05	210.64
Pioneer	P8859AM	88	35,000	54.90	18.90	200.08	202.68
Renk	RK297VT2P	89	34,500	54.80	20.00	229.03	226.65
Croplan	CP2965VT2P	89	32,500	54.90	20.00	224.94	222.56
Allegiant	8990VT2P	89	35,000	54.60	19.50	231.02	228.64
Renk	RK312VT2P	90	31,500	54.00	20.30	210.34	207.96
NK Seeds	NK9023-5222	90	29,500	54.40	19.30	207.47	208.22
Becks	4034VR	90	35,500	53.70	19.40	219.60	220.36
Renk	RK300RR	90	31,500	55.00	19.70	211.24	212.00
Dahlman Seed	R45-236VT2PRIB	91	34,500	54.80	18.40	209.59	210.34
NK Seeds	NK9175-5222	91	34,000	53.90	19.60	213.38	228.56
Becks	4117AM	91	31,500	55.00	19.10	216.73	231.91
Allegiant	9165-3220A	91	34,000	55.40	19.10	190.40	205.58
Syngenta	NK9231-3120	92	34,000	54.20	19.80	206.82	222.01
Syngenta	9227-5222A-EZ1	92	33,500	52.70	19.70	203.20	214.84
Enestvedt Seed Company	E612 Conventional	92	33,000	53.40	19.60	211.70	223.34
NK Seeds	NK9227-3220A	92	31,500	53.70	20.30	193.94	205.58



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Becks	4234D2	92	34,000	53.90	19.70	206.03	217.68
Stine Seed Co.	22709GP675GTCBLL	93	32,000	53.70	20.90	204.92	206.19
Syngenta	NK9347-5122	93	32,500	52.70	21.50	201.42	202.68
Enestvedt Seed Company	E621 Conventional	94	31,500	52.00	21.30	206.49	207.76
Renk	RK485DGVT2P	94	34,500	52.30	23.50	212.11	213.38
Becks	4421AM	94	29,500	53.50	20.10	242.12	241.51
Dahlman Seed	R48-239VT2PRIB	95	32,500	52.50	21.90	225.40	224.79
Enestvedt Seed Company	E652 Conventional	95	33,500	52.70	20.20	229.64	229.03
Syngenta	NK9535-3220	95	32,500	50.60	25.20	221.51	220.90
Renk	RK561DGVT2P	95	32,500	52.30	24.70	230.55	228.60
Stine Seed Co.	685GTCBLL70058	95	31,500	48.10	22.40	206.43	204.48
Enestvedt Seed Company	E658 Conventional	96	34,000	52.20	21.40	234.74	232.78
Enestvedt Seed Company	E648 Conventional	96	32,500	52.10	20.50	230.11	228.16
Syngenta	NK9653-5222	96	31,500	55.10	20.90	228.29	224.01
Enestvedt Seed Company	E658 VT2	96	32,500	54.30	20.20	235.65	231.37

Brand Test Weight Average	54.4
Brand Moisture Average	19.7
Brand Yield Average	212.2
Brand Adjusted Yield Average	212.2

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*** CHECKS LISTED AS PLANTED ***

Company I	Brand	Maturity	Stand Count	Net Weight	Test Weight	% Moist.	Yield
Check	RK433VT2P	92	32,500	1485	54.60	19.90	203.15
Check	RK433VT2P	92	31,500	1625	54.30	19.40	224.27
Check	RK433VT2P	92	34,000	1640	54.70	20.30	223.56
Check	RK433VT2P	92	32,000	1610	54.30	19.00	222.23
Check	RK433VT2P	92	34,000	1765	55.70	21.10	234.83
Check	RK433VT2P	92	33,500	1560	54.80	19.20	213.73
Check	RK433VT2P	92	31,500	1600	54.10	20.30	216.22
Check	RK433VT2P	92	37,000	1645	54.20	20.40	223.67
Check	RK433VT2P	92	32,500	1510	54.90	18.80	209.95
Check	RK433VT2P	92	33,000	1470	52.30	20.60	194.82
Check	RK433VT2P	92	33,000	1645	54.30	20.30	217.03
Check	RK433VT2P	92	32,500	1625	54.00	21.20	215.57
Check	RK433VT2P	92	33,000	1705	53.00	22.60	220.79
Check	RK433VT2P	92	32,500	1645	53.90	20.70	218.25
Check	RK433VT2P	92	32,000	1725	54.90	21.40	225.45

Check Test Weight Average	54.3
Check Moisture Average	20.3
Check Yield Average	217.6

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RANKED BY YIELD OF MINNESOTA MATURITY

*** Sorted by Actual Yield, not Adjusted Yield***

76-85 Day Minnesota Maturity Company	Brand	Maturity	Stand Count	Test Weight	% Moist.	Yield	Adjusted Yield
Croplan	CP2585VT2PRIB	85	33,000	54.30	18.80	228.55	217.59
Dahlman Seed	R43-24VT2PRIB	86	34,500	54.20	20.50	222.42	215.71
Allegiant	8482VT2P	85	33,500	54.30	18.70	221.94	210.98
NK Seeds	NK8519-3220	85	32,500	55.60	18.20	218.96	213.63
Stine Seed Co.	70068719	86	35,000	55.80	19.60	218.80	207.84
Dahlman Seed	R42-28VT2PRIB	85	33,000	54.40	18.80	217.36	212.03
Pioneer	P8602AM	86	31,000	55.50	18.80	215.82	209.11
Dahlman Seed	R41-22VT2PRIB	82	31,500	56.60	17.50	215.29	208.94
Becks	3404V2P	84	32,000	53.70	19.00	214.74	209.41
Renk	RK256-3120	84	33,000	55.10	20.30	214.70	209.38
Allegiant	8537VT2P	85	34,000	53.40	19.20	211.35	200.39
Allegiant	8187VT2P	81	33,000	55.20	18.70	208.82	202.47
Nietfeld Seed Inc	EXP 720-10	82	33,000	57.70	18.60	208.22	201.87
Allegiant	8311VT2PRIB	83	33,500	56.10	17.90	205.02	198.67
NK Seeds	NK8618-3120A	86	32,000	55.60	20.90	204.54	197.83
Allegiant	8020VT2P	80	31,500	57.20	15.80	195.36	199.22
NK Seeds	NK8005-3220A	80	33,500	55.40	18.60	185.59	189.45
Nietfeld Seed Inc	EXP 4011-76	80	35,000	58.60	17.10	185.25	189.11
Croplan	CP2007VT2P	80	28,000	56.50	17.40	178.21	182.07

86 Day or Less Test Wgt Average	55.5
86 Day or Less Moisture Average	18.7
86 Day or Less Yield Average	209.0
86 Day or Less Adjusted Yield Average	204.0

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RANKED BY YIELD OF MINNESOTA MATURITY

87-91 Day Minnesota Maturity

Company	Brand	Maturity	Stand Count	Test Weight	% Moist.	Yield	Adjusted Yield
Allegiant	8990VT2P	89	35,000	54.60	19.50	231.02	228.64
Renk	RK297VT2P	89	34,500	54.80	20.00	229.03	226.65
Croplan	CP2965VT2P	89	32,500	54.90	20.00	224.94	222.56
Becks	4034VR	90	35,500	53.70	19.40	219.60	220.36
Becks	4117AM	91	31,500	55.00	19.10	216.73	231.91
NK Seeds	NK9175-5222	91	34,000	53.90	19.60	213.38	228.56
Becks	3753V2P	87	34,000	56.00	18.80	212.03	214.63
Renk	RK300RR	90	31,500	55.00	19.70	211.24	212.00
Renk	RK312VT2P	90	31,500	54.00	20.30	210.34	207.96
Dahlman Seed	R45-236VT2PRIB	91	34,500	54.80	18.40	209.59	210.34
Allegiant	8734VT2P	87	32,000	55.00	18.20	208.05	210.64
NK Seeds	NK9023-5222	90	29,500	54.40	19.30	207.47	208.22
Pioneer	P8859AM	88	35,000	54.90	18.90	200.08	202.68
Allegiant	8704VT2P	87	34,500	55.10	17.80	198.36	191.65
Allegiant	9165-3220A	91	34,000	55.40	19.10	190.40	205.58
NK Seeds	NK8760-3200	87	24,000	57.20	19.00	177.17	179.77

87-91 Day Test Wgt. Avg.	54.9
87-91 Day Moisture Average	19.2
87-91 Day Yield Average	210.0
87-91 Day Adjusted Yield Average	212.6

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RANKED BY YIELD OF MINNESOTA MATURITY

92-96 Day Minnesota Maturity

Company	Brand	Maturity	Final Pop.	Test Weight	% Moist.	Yield	Adjusted Yield
Becks	4421AM	94	29,500	53.50	20.10	242.12	241.51
Enestvedt Seed Company	E658 VT2	96	32,500	54.30	20.20	235.65	231.37
Enestvedt Seed Company	E658 Conventional	96	34,000	52.20	21.40	234.74	232.78
Renk	RK561DGVT2P	95	32,500	52.30	24.70	230.55	228.60
Enestvedt Seed Company	E648 Conventional	96	32,500	52.10	20.50	230.11	228.16
Enestvedt Seed Company	E652 Conventional	95	33,500	52.70	20.20	229.64	229.03
Syngenta	NK9653-5222	96	31,500	55.10	20.90	228.29	224.01
Dahlman Seed	R48-239VT2PRIB	95	32,500	52.50	21.90	225.40	224.79
Syngenta	NK9535-3220	95	32,500	50.60	25.20	221.51	220.90
Renk	RK485DGVT2P	94	34,500	52.30	23.50	212.11	213.38
Enestvedt Seed Company	E612 Conventional	92	33,000	53.40	19.60	211.70	223.34
Syngenta	NK9231-3120	92	34,000	54.20	19.80	206.82	222.01
Enestvedt Seed Company	E621 Conventional	94	31,500	52.00	21.30	206.49	207.76
Stine Seed Co.	685GTCBLL70058	95	31,500	48.10	22.40	206.43	204.48
Becks	4234D2	92	34,000	53.90	19.70	206.03	217.68
Stine Seed Co.	22709GP675GTCBLL	93	32,000	53.70	20.90	204.92	206.19
Syngenta	9227-5222A-EZ1	92	33,500	52.70	19.70	203.20	214.84
Syngenta	NK9347-5122	93	32,500	52.70	21.50	201.42	202.68
NK Seeds	NK9227-3220A	92	31,500	53.70	20.30	193.94	205.58

92 - 96 Day Test Wgt Average	52.7
92 - 96 Day Moisture Average	21.3
92 - 96 Day Yield Average	217.4
92 - 96 Day Adjusted Yield Average	220.0

NOTE:

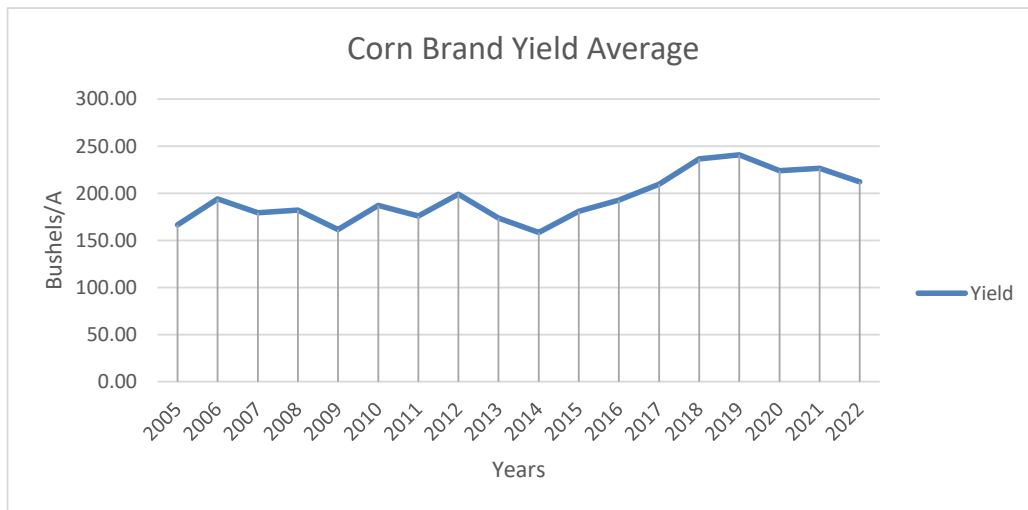
The adjusted yield has been calculated to compare field production variations using the adjacent check data. Each 4 row plot areas is adjusted by a formula which compares the check yields on either side to that area of the field, to the overall average of all the check yields in the plot. Individual yields are then adjusted to reflect the differing production levels demonstrated by the varying check yields.

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Corn and Soybean Yield Averages over the Years

Historical Corn Averages				
	Test Wt.	% Moisture	Yield	Adjusted Yield
2005	54.00	21.20	166.60	173.80
2006	56.00	19.40	193.90	187.80
2007	55.00	19.40	179.40	179.30
2008	52.00	22.30	182.00	182.10
2009	48.00	30.50	161.50	161.40
2010	56.50	17.80	187.00	187.00
2011	56.00	17.00	175.80	175.70
2012	59.00	15.50	199.00	199.10
2013	54.00	21.20	173.60	173.60
2014	54.00	13.90	158.40	158.30
2015	57.00	18.60	180.90	181.30
2016	55.00	20.20	192.70	192.50
2017	54.10	19.10	209.50	208.60
2018	53.70	21.90	236.60	236.30
2019	52.30	23.80	240.80	239.80
2020	55.90	17.40	223.90	223.10
2021	54.10	19.80	226.40	226.50
2022	54.40	19.70	212.20	212.20



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Corn and Soybean Yield Averages over the Years

Historical Soybean Averages			
	Test Wt.	% Moisture	Yield
2005	57.26	12.89	56.15
2006	56.57	13.88	58.53
2007	56.75	13.00	50.09
2008	56.91	15.49	49.69
2009	55.78	17.01	43.95
2010	56.60	11.37	61.95
2011	57.80	8.60	49.93
2012	56.68	9.98	61.72
2013	56.85	12.21	52.07
2014	55.95	10.54	46.01
2015	57.14	10.70	58.43
2016	56.98	13.37	54.92
2017	55.81	11.60	41.82
2018	56.78	14.16	63.93
2019	55.00	15.90	54.70
2020	57.79	10.87	59.24
2021	53.90	11.80	49.90
2022	58.10	10.60	43.27

