

CORN BRAND DEMONSTRATION REPORT - 2020

Central Lakes College Agriculture and Energy Center

Date Planted: April 29, 2020
Date Harvested: October 13, 2020
Starter Fertilizer: 40-10-45-10
In-Furrow: 2 gal/A Aventine & 2 oz. Unlock
Sidedress Fertilizer:
Topdress 60-0-010 (x2), Fertigation
28-0-0 & 25-0-0-5
Herbicides: 1.5 pt Wheelhouse, 14
oz Armazon Pro, 1 pt. Atrazine, 4 oz.
Detonate

Planted Population: 34,000
Previous Crop: Soybeans
Tillage: Fall ripped, spring soil finisher
Irrigated: 7 inches
Plot Size: 4 - 30 inch rows, 4 rows Sampled
Stand Count Date: October 12, 2020
Notes:
Planting order was determined by maturity from earliest to
latest. Earlier varieties starting in the south and later
maturities to the north.

*** LISTED AS PLANTED ***

Company Name	Brand	Maturity	Harvested Stand	Test Weight	% Moist.	Yield	Adjusted Yield
Legend Seeds	EXP20-7710 Conv	77	34,000	57.0	15.6	211.64	225.69
Nietfeld Seed	7910RR	79	31,000	61.1	15.5	204.05	218.10
NK Seeds	NK8005-3220A	80	32,500	57.9	16.5	209.57	223.62
Legend Seeds	LREXP20-8080 Power	80	34,000	57.3	16.3	219.75	233.80
Allegiant	8187VT2PRIB	81	33,500	57.7	15.9	222.97	222.71
Croplan	2288VT2P	82	32,500	57.4	15.5	213.08	212.82
Legend Seeds	LR9882VT2ProRib	82	31,000	58.5	14.9	223.42	223.15
Integra Seed	3431 VT2PRO	83	34,500	57.4	15.8	210.27	210.00
Croplan	2315VT2P	83	26,000	57.9	15.9	207.27	199.47
Allegiant	8311VT2P	83	27,500	57.8	15.2	204.84	197.05
Renk	RK256GT	84	34,000	56.8	16.2	213.02	205.22
Dahlman	R43-29Vt2PRIB	85	30,000	57.5	16.2	216.46	208.67
Integra Seed	3537 VT2PRIB	85	31,500	58.2	16.2	206.12	200.08
NK Seeds	NK8519-3220-EZ1	85	31,000	57.6	16.5	205.93	199.88
Allegiant	8537VT2EXP	85	33,000	57.8	15.2	232.30	226.25
Pioneer	P8588AM	85	33,000	56.6	15.2	223.93	217.88
Nietfeld Seed	N850	85	33,500	57.7	16.0	194.87	199.76
Dahlman	R43-24VT2PRIB	86	34,000	56.4	16.6	226.53	231.41
Integra Seed	3629 VT2PRIB	86	34,000	56.8	15.6	229.95	234.83
NK Seeds	NK8618-3120A-EZ1	86	33,500	58.3	17.6	195.92	200.81
Legend Seeds	LR9886VT2ProRib	86	33,000	55.8	17.1	214.91	219.51
Enestvedt Seed	E859	86	32,500	57.1	15.4	224.90	229.51
Renk	RK278VT2P	87	33,000	57.1	15.6	222.98	227.58
Integra Seed	3718 VT2PRIB	87	31,000	54.9	16.7	220.76	225.36
Renk	RK287VT2P	87	32,500	55.7	17.3	224.63	220.64
Croplan	2851VT2PRIB	88	33,000	55.7	16.9	229.83	225.85
NK Seeds	NK8920-3120-3120-EZ	89	29,000	53.4	18.5	204.55	200.56
Croplan	2965VT2P	89	34,000	56.2	17.4	227.77	223.78
Allegiant	8990VT2PEXP	89	33,500	54.3	17.1	234.13	226.79
Dahlman	R45-25VT2PRIB	90	32,500	54.7	18.1	235.35	228.01
Renk	RK433VT2P	92	34,000	55.2	19.0	222.76	215.42
Integra Seed	4041 VT2PRO	90	28,000	55.5	17.7	241.24	233.90

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Renk	RK312VT2P	90	31,000	55.5	17.5	233.68	230.95
Dahlman	R45-28VT2PRIB	90	32,500	55.0	17.6	237.46	234.74
Becks	4026V2P	90	33,500	56.2	18.2	244.49	241.76
Integra Seed	4119 VT2PRIB	91	34,000	54.6	18.4	237.17	234.45
NK Seeds	NK9175-3110A	91	31,000	53.5	18.2	231.34	235.47
Enestvedt Seed	E620DProRIB	91	33,000	54.3	17.9	242.83	246.96
Becks	4173V2P	91	33,000	55.2	17.2	239.53	243.66
Wolf River Valley Seed	1092 RR	92	32,000	54.7	19.3	233.46	237.59
NK Seeds	NK9227-3220A-EZ1	92	32,500	55.7	20.4	221.24	219.80
Enestvedt Seed	E612	92	32,500	53.9	19.3	221.03	219.59
Pioneer	P9211AM	92	32,000	53.8	19.5	237.44	236.00
Integra Seed	4311 VT2PRIB	93	34,000	53.6	20.1	231.79	230.35
Wolf River Valley Seed	2693 VT2PRO	93	33,000	55.7	19.7	224.35	218.82
Dahlman	R47-26VT2PRIB	94	30,000	54.4	18.0	219.83	214.30
Enestvedt Seed	E646	94	32,500	54.9	18.9	242.96	237.43
NK Seeds	NK9535-3220-EZ1	95	31,500	54.4	19.7	219.16	213.63
Enestvedt Seed	E652	95	33,000	53.3	19.3	227.42	224.45
Enestvedt Seed	E658	95	34,000	52.9	19.3	238.50	235.53
Enestvedt Seed	E648	95	32,500	52.7	19.5	245.71	242.74
Wolf River Valley Seed	1197RR	97	35,500	54.1	19.6	236.97	233.99

Brand Test Weight Average	55.9
Brand Moisture Average	17.4
Brand Yield Average	223.9
Brand Adjusted Yield Average	223.1

*** CHECKS LISTED AS PLANTED ***

Company	Brand	Maturity	Harvested Population	Net Weight	Test Weight	% Moist.	Yield
Check	RK433VT2P	92	31500	1585	54.4	19.3	207.30
Check	RK433VT2P	92	33500	1695	56.5	18.2	224.71
Check	RK433VT2P	92	33500	1750	57.5	17.4	235.93
Check	RK433VT2P	92	35000	1760	56.8	17.2	239.77
Check	RK433VT2P	92	33000	1700	56.1	16.9	232.43
Check	RK433VT2P	92	32000	1590	55.0	17.0	217.91
Check	RK433VT2P	92	34000	1700	55.9	17.0	232.98
Check	RK433VT2P	92	32500	1730	54.4	17.7	235.10
Check	RK433VT2P	92	34000	1775	55.3	18.0	239.69
Check	RK433VT2P	92	33000	1685	56.0	18.6	225.87
Check	RK433VT2P	92	32500	1715	56.2	18.7	225.97
Check	RK433VT2P	92	33500	1790	54.3	18.3	237.01
Check	RK433VT2P	92	33000	1790	54.6	19.0	234.16
Check	RK433VT2P	92	32500	1730	53.9	17.0	231.90

Check Test Weight Average	55.5
Check Moisture Average	17.9
Check Yield Average	230.1

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RANKED BY YIELD OF MINNESOTA MATURITY

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

77-85 Day Minnesota Maturity							
Company	Brand	Maturity	Final Pop.	Test Weight	% Moist.	Yield	Adjusted Yield
Allegiant	8537VT2EXP	85	33,000	57.8	15.2	232.30	236.01
Pioneer	P8588AM	85	33,000	56.6	15.2	223.93	227.64
Legend Seeds	LR9882VT2ProRib	82	31,000	58.5	14.9	223.42	227.13
Allegiant	8187VT2PRIB	81	33,500	57.7	15.9	222.97	226.68
Legend Seeds	LREXP20-8080 Power	80	34,000	57.3	16.3	219.75	223.46
Dahlman	R43-29Vt2PRIB	85	30,000	57.5	16.2	216.46	220.18
Croplan	2288VT2P	82	32,500	57.4	15.5	213.08	216.79
Renk	RK256GT	84	34,000	56.8	16.2	213.02	216.73
Legend Seeds	EXP20-7710 Conv>	77	34,000	57.0	15.6	211.64	215.35
Integra Seed	3431 VT2PRO	83	34,500	57.4	15.8	210.27	213.98
NK Seeds	NK8005-3220A	80	32,500	57.9	16.5	209.57	213.28
Croplan	2315VT2P	83	26,000	57.9	15.9	207.27	210.98
Integra Seed	3537 VT2PRIB	85	31,500	58.2	16.2	206.12	209.83
NK Seeds	NK8519-3220-EZ1	85	31,000	57.6	16.5	205.93	209.64
Allegiant	8311VT2P	83	27,500	57.8	15.2	204.84	208.55
Nietfeld Seed	7910RR	79	31,000	61.1	15.5	204.05	207.76
Nietfeld Seed	N850	85	33,500	57.7	16.0	194.87	198.58

85 Day or Less Test Wgt Average	57.8
85 Day or Less Moisture Average	15.8
85 Day or Less Yield Average	212.9
85 Day or Less Adjusted Yield Average	216.6

86-90 Day Minnesota Maturity

Company	Brand	Maturity	Final Pop.	Test Weight	% Moist.	Yield	Adjusted Yield
Becks	4026V2P	90	33,500	56.2	18.2	244.49	243.88
Integra Seed	4041 VT2PRO	90	28,000	55.5	17.7	241.24	240.63
Dahlman	R45-28VT2PRIB	90	32,500	55.0	17.6	237.46	236.85
Dahlman	R45-25VT2PRIB	90	32,500	54.7	18.1	235.35	234.74
Allegiant	8990VT2PEXP	89	33,500	54.3	17.1	234.13	233.51
Renk	RK312VT2P	90	31,000	55.5	17.5	233.68	233.06
Integra Seed	3629 VT2PRIB	86	34,000	56.8	15.6	229.95	229.33
Croplan	2851VT2PRIB	88	33,000	55.7	16.9	229.83	229.22
Croplan	2965VT2P	89	34,000	56.2	17.4	227.77	227.16
Dahlman	R43-24VT2PRIB	86	34,000	56.4	16.6	226.53	225.92
Enestvedt Seed	E859	86	32,500	57.1	15.4	224.90	224.29

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Renk	RK287VT2P	87	32,500	55.7	17.3	224.63	224.02
Renk	RK278VT2P	87	33,000	57.1	15.6	222.98	222.37
Renk	RK433VT2P	92	34,000	55.2	19.0	222.76	222.15
Integra Seed	3718 VT2PRIB	87	31,000	54.9	16.7	220.76	220.15
Legend Seeds	LR9886VT2ProRib	86	33,000	55.8	17.1	214.91	214.30
NK Seeds	NK8920-3120-3120-EZ	89	29,000	53.4	18.5	204.55	203.94
NK Seeds	NK8618-3120A-EZ1	86	33,500	58.3	17.6	195.92	195.31

86-89 Day Test Wgt. Avg.	55.8
86-89 Day Moisture Average	17.2
86-89 Day Yield Average	226.2
86-89 Day Adjusted Yield Average	225.6

92-95 Day Minnesota Maturity

Company	Brand	Maturity	Final Pop.	Test Weight	% Moist.	Yield	Adjusted Yield
Enestvedt Seed	E648	95	32,500	52.7	19.5	245.71	243.33
Enestvedt Seed	E646	94	32,500	54.9	18.9	242.96	240.58
Enestvedt Seed	E620DProRIB	91	33,000	54.3	17.9	242.83	240.45
Becks	4173V2P	91	33,000	55.2	17.2	239.53	237.15
Enestvedt Seed	E658	95	34,000	52.9	19.3	238.50	236.12
Pioneer	P9211AM	92	32,000	53.8	19.5	237.44	235.06
Integra Seed	4119 VT2PRIB	91	34,000	54.6	18.4	237.17	234.79
Wolf River Valley Seed	1197RR	97	35,500	54.1	19.6	236.97	234.59
Wolf River Valley Seed	1092 RR	92	32,000	54.7	19.3	233.46	231.08
Integra Seed	4311 VT2PRIB	93	34,000	53.6	20.1	231.79	229.41
NK Seeds	NK9175-3110A	91	31,000	53.5	18.2	231.34	228.96
Enestvedt Seed	E652	95	33,000	53.3	19.3	227.42	225.04
Wolf River Valley Seed	2693 VT2PRO	93	33,000	55.7	19.7	224.35	221.97
NK Seeds	NK9227-3220A-EZ1	92	32,500	55.7	20.4	221.24	218.86
Enestvedt Seed	E612	92	32,500	53.9	19.3	221.03	218.65
Dahlman	R47-26VT2PRIB	94	30,000	54.4	18.0	219.83	217.45
NK Seeds	NK9535-3220-EZ1	95	31,500	54.4	19.7	219.16	216.78

90 - 95 Day Test Wgt Average	54.2
90 - 95 Day Moisture Average	19.1
90 - 95 Day Yield Average	232.4
90 - 95 Day Adjusted Yield Average	230.0

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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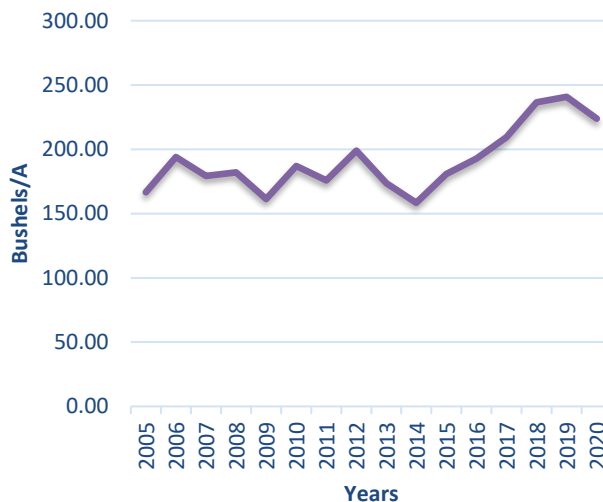
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Corn and Soybean Yield Averages over the Years

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

Corn Brand Yield Average



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

Soybean Brand Yield Average

