

Test by: Southern MN FIRST New Richland, MN

2019 Corn Grain Top 30 Harvest Report

Minnesota Southwest [MNSW] MANKATO, MN
Greg Scheurer, Blue Earth County, MN 56001

Early-Season Test	96 - 101 Day CRM B2019MNSW06a
Top 30 of 72	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Soybean / Authority First, Roundup, Ultra Blazer
SOIL DESCRIPTION:	Le Sueur, Cordova loam, mod. well drained, non-irrigated
SOIL CONDITION:	Conventional W/O Fall Till, high P, medium K, 5.2 pH, 3.5% OM, 26.3 CEC
PEST MANAGEMENT:	Force, Harness, Impact, Atrazine
FERTILITY - Applied N:	150 Spring, 21# AMS
Applied N-P-K (units):	150-74-111
SEEDED - RATE - ROW:	May 15 35.3 /A 30" spacing
HARVESTED - STAND:	Oct 25 33.7 /A

TEST COMMENTS:

The weather was cool and generally too wet all season. However, corn yields still responded very well here. Greg stated that this site had 9" of rain during the week of July 14-20, and high winds caused green snap in several varieties. Lodging scores include green snap. Greg also noted that his corn yields are better this year than in 2018, whereas bean yields were better last year than in 2019.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
CHAMPION	49A20 VT2	VT2P,B	99	259.0	19.6	1	34.4	897	1
LATHAM	EX 5035 VT2P	VT2P	100	250.5	19.4	1	33.9	870	2
DEKALB	DKC50-08RIB GC	STX,B	100	245.8	19.1	2	33.5	857	3
HEFTY	H5132VT2P	VT2P	101	245.4	19.4	0	33.9	853	4
LATHAM	LH4937VT2PRIB	VT2P,B	99	241.6	19.1	0	34.8	842	5
FEDERAL	5280CONV	None	101	239.9	19.4	4	33.5	833	6
NK BRAND	NK9930-3010	3010	99	236.4	19.2	3	33.9	823	7
FEDERAL	4990VT2PRIB	VT2P,B	99	234.7	19.6	0	33.9	813	9
ENESTVEDT	E699DP RIB	VT2P,B	99	232.9	18.2	2	33.5	820	8
HEINE	6500VT2PRO	VT2P	99	231.6	18.9	0	34.8	809	10
GOLD COUNTRY	101-60RSS	STX,B	101	230.7	19.0	3	33.9	805	12
CHAMPION	50A19 VT2	VT2P,B	100	230.6	19.3	1	34.4	802	13
TITAN PRO	92-99 2P	VT2P,B	99	229.5	18.5	1	33.0	806	11
VIKING	46-96	None	96	229.0	18.7	7	33.5	802	14
HEINE	EXP 7010	VT2P	100	228.5	18.9	1	34.4	798	15
GOLD COUNTRY	98-11R2P	VT2P,B	98	226.8	18.9	0	34.4	792	16
WYFFELS	W2196RIB	VT2P,B	99	226.1	19.4	0	34.4	785	17
HEFTY	H4922VT2PRIB	VT2P,B	99	224.3	19.0	0	33.9	783	18
LATHAM	LH4830	None	98	223.3	18.8	4	33.0	781	20
NORTHSTAR	NS 98-513VT2PRIB	VT2P,B	98	223.3	18.7	0	33.5	782	19
WYFFELS	W2236	VT2P	99	223.1	19.2	6	34.4	777	22
DYNA-GRO	D39VC40	VT2P	98	222.4	18.5	4	32.6	781	21
RENK	RK593VT2P	VT2P	96	222.4	19.4	0	33.5	773	27
HEFTY	H5003VT2PDGRIB	VT2P,DG,B	100	222.3	19.2	0	34.8	774	26
WYFFELS	W2506RIB	VT2P,B	101	222.2	19.4	7	33.5	772	30
HEINE	6550VT2PRO	VT2P	99	221.9	18.7	0	34.8	777	23
TITAN PRO	84-01	None	101	221.9	18.9	8	33.5	775	25
DAIRYLAND	DS-3715AM	AM,B	98	221.4	19.0	3	33.0	773	28
NORTHSTAR	NS 94-162VT2PRIB	VT2P,B	94	221.1	18.5	1	33.0	776	24
GOLD COUNTRY	97-75R2P	VT2P,B	97	220.7	18.6	6	34.4	773	29
PIONEER	P0157AMXT CK	AMXT,AQ,B	101	168.3	20.0	13	33.5	580	72
				Averages =	215.5	19.0	3	33.7	752
				LSD (0.10) =	18.3	0.6	5		
				LSD (0.25) =	9.6	0.3	2		
				C.V. =	8.1				

Mark Querna

Mark Querna

mark.querna@firstseedtests.com, (507) 380-9920

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.4 Drying = \$0.04 Prices: GMO = \$3.65; non-GMO = \$3.65

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2019 Corn Grain Top 30 Harvest Report

Minnesota Southwest [MNSW] MANKATO, MN
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Full-Season Test	102 - 106 Day CRM B2019MNSW06b
Top 30 of 66	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Soybean / Authority First, Roundup, Ultra Blazer
SOIL DESCRIPTION:	Le Sueur, Cordova loam, mod. well drained, non-irrigated
SOIL CONDITION:	Conventional W/O Fall Till, high P, medium K, 5.2 pH, 3.5% OM, 26.3 CEC
PEST MANAGEMENT:	Force, Harness, Impact, Atrazine
FERTILITY - Applied N:	150 Spring, 21# AMS
Applied N-P-K (units):	150-74-111
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HARVESTED - STAND:	Oct 25 33.7 /A

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Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
GOLD COUNTRY	106-96RSS	STX,B	106	263.5	21.0	1	34.4	899	1
HEINE	EXP 7550	STX	106	260.9	21.3	1	33.9	886	2
CHAMPION	52A18 VT2	VT2P,B	102	256.5	20.2	8	32.1	883	3
LATHAM	LH5546-3220-EZR	3220,B	105	253.7	21.1	2	32.1	864	5
NK BRAND	NK0243-3120-EZR	3120,B	102	253.0	19.6	8	33.0	877	4
AUGUSTA	A2856	3220,B	105	253.0	21.5	0	33.0	857	6
NK BRAND	NK0624-3220-EZR	3220,B	106	249.7	21.4	1	33.5	847	7
RENK	RK710DGV2P	VT2P,DG,B	106	245.0	20.5	3	32.1	840	9
LATHAM	LH5517VT2PRIB	VT2P,B	105	244.6	20.2	0	34.4	842	8
LATHAM	LH5487VT2PRIB	VT2P,B	104	244.1	20.2	2	33.9	840	10
DEKALB	DKC55-53RIB GC	STX,B	105	243.7	20.3	0	33.0	838	12
NORTHSTAR	NS 105-558VT2P	VT2P	105	243.6	20.1	0	33.9	839	11
TITAN PRO	96-06 2P	VT2P,B	106	242.9	20.4	0	33.0	834	13
TITAN PRO	TP 70-06	None	106	242.7	21.6	3	33.9	822	17
PIONEER	P0589 GC	AQ	105	241.1	20.0	0	34.8	832	14
HEINE	752VT2PRORIB	VT2P,B	105	240.5	20.6	0	34.4	824	16
HEINE	7600VT2PRO	VT2P	106	240.4	21.0	1	32.6	820	20
VIKING	51-04	None	104	240.4	20.8	2	33.9	822	18
DAIRYLAND	DS-4310AM	AM	103	240.2	21.0	3	34.4	819	23
HEFTY	H5622VT2PRIB	VT2P,B	106	239.5	20.6	0	33.0	821	19
MILLER HYBRIDS	M05-72	None	105	239.1	20.9	3	33.0	816	25
NK BRAND	NK0472-3110	3110	104	238.6	20.3	0	32.6	820	21
HEFTY	H5522VT2PRIB	VT2P,B	105	238.4	19.7	2	33.9	826	15
HEINE	740VT2PRORIB	VT2P,B	103	237.5	19.9	2	34.4	820	22
VIKING	42-05	None	105	237.5	20.3	1	33.0	817	24
CHAMPION	55A20 3220 EZ	3220,B	105	237.3	21.0	2	33.5	809	27
TITAN PRO	TP 40-03	None	103	236.8	20.4	4	34.8	813	26
GOLD COUNTRY	104-11RSS	STX,B	104	234.5	20.1	2	34.8	808	28
VIKING	84-05	None	105	234.1	20.6	1	33.5	802	29
RENK	RK621VT2P	VT2P	102	231.7	19.8	0	33.0	802	30
PIONEER	P0157AMXT CK	AMXT,AQ,B	101	209.4	20.3	1	32.6	720	55
				Averages =	227.3	20.5	3	33.7	779
				LSD (0.10) =	17.9	0.7	5		
				LSD (0.25) =	9.4	0.3	3		
				C.V. =	7.5				

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2019 Corn - Minnesota Southwest [MNSW]



Early-Season Test Products (72 Total)

Company/Brand	Product/Brand	Technology	RM
ANDERSON	609R	RR2	98
ANDERSON	611VT2P	VT2P,B	100
ANDERSON	6811	None	100
ANDERSON	6898	None	98
AUGUSTA	A2345	3220,B	96
CHAMPION	48A18 VT2	VT2P,B	98
CHAMPION	49A20 VT2	VT2P,B	99
CHAMPION	50A19 VT2	VT2P,B	100
CHAMPION	51A19 VT2	VT2P,B	101
DAIRYLAND	DS-3519AM	AM,B	96
DAIRYLAND	DS-3715AM	AM,B	98
DAIRYLAND	DS-3750AM	AM	97
DAIRYLAND	DS-3810AM	AM	98
DAIRYLAND	DS-4018AM	AM,AQ,B	101
DEKALB	DKC47-54RIB GC	STX,B	97
DEKALB	DKC50-08RIB GC	STX,B	100
DYNA-GRO	D37VC64RIB GC	VT2P,B	97
DYNA-GRO	D39DC43RIB GC	VT2P,B	99
DYNA-GRO	D39VC40	VT2P	98
ENESTVEDT	E658DP RIB	VT2P,B	96
ENESTVEDT	E660SS RIB	STX,B	97
ENESTVEDT	E696SS RIB	STX,B	100
ENESTVEDT	E699DP RIB	VT2P,B	99
EPLEY	E1040	None	100
EPLEY	E9840	None	98
FEDERAL	4990VT2PRIB	VT2P,B	99
FEDERAL	5280CONV	None	101
GOLD COUNTRY	101-60RSS	STX,B	101
GOLD COUNTRY	97-75R2P	VT2P,B	97
GOLD COUNTRY	98-11R2P	VT2P,B	98
GOLD COUNTRY	99-30RSS	STX,B	99
HEFTY	H4732VT2P	VT2P	97
HEFTY	H4922VT2PRIB	VT2P,B	99
HEFTY	H4933VT2PDGRIB	VT2P,DG,B	99
HEFTY	H5003VT2PDGRIB	VT2P,DG,B	100
HEFTY	H5132VT2P	VT2P	101

Company/Brand	Brand/Product	Technology	RM
HEINE	6500VT2PRO	VT2P	99
HEINE	6550VT2PRO	VT2P	99
HEINE	7000STX	STX	100
HEINE	EXP 7010	VT2P	100
LATHAM	EX 5035 VT2P	VT2P	100
LATHAM	LH4830	None	98
LATHAM	LH4937VT2PRIB	VT2P,B	99
LATHAM	LH5077VT2PRIB	VT2P,B	100
LATHAM	LH5160	None	101
MILLER HYBRIDS	M00-49	None	100
MILLER HYBRIDS	M97-34	None	97
MILLER HYBRIDS	M97-40	None	97
NK BRAND	NK9610-3010	3010	96
NK BRAND	NK9930-3010	3010	99
NORTHSTAR	NS 94-162VT2PRIB	VT2P,B	94
NORTHSTAR	NS 97-547SSRIB	STX,B	97
NORTHSTAR	NS 98-513VT2PRIB	VT2P,B	98
PIONEER	P0157AMXT CK	AMXT,AQ,B	101
PIONEER	P9998AMXT GC	AMXT,AQ,B	99
RENK	RK579DGV2P	VT2P,DG,B	98
RENK	RK587VT2P	VT2P,B	97
RENK	RK593VT2P	VT2P	96
RENK	RK608DGV2P	VT2P,DG,B	100
TITAN PRO	70-98	None	98
TITAN PRO	84-01	None	101
TITAN PRO	85-96	None	96
TITAN PRO	91-00	None	100
TITAN PRO	92-99 2P	VT2P,B	99
VIKING	44-98	None	98
VIKING	46-96	None	96
VIKING	52-00	None	100
VIKING	99-00	None	100
WYFFELS	W1636RIB	VT2P,B	96
WYFFELS	W2196RIB	VT2P,B	99
WYFFELS	W2236	VT2P	99
WYFFELS	W2506RIB	VT2P,B	101

2019 Corn - Minnesota Southwest [MNSW]



Full-Season Test Products (66 Total)

Company/Brand	Product/Brand	Technology	RM
ANDERSON	5303	None	103
AUGUSTA	A2856	3220,B	105
AUGUSTA	A3052	3110	102
CHAMPION	52A18 VT2	VT2P,B	102
CHAMPION	53A20 VT2 PRO	VT2P,B	103
CHAMPION	55A20 3220 EZ	3220,B	105
CHAMPION	56A18VT2PRORIB	VT2P,B	106
DAIRYLAND	DS-4310AM	AM	103
DAIRYLAND	DS-4329AM	AM,B	105
DAIRYLAND	DS-4440AM	AM,B	104
DAIRYLAND	DS-4580AMXT	AMXT	105
DAIRYLAND	DS-7004RA	PC,B	104
DEKALB	DKC54-38RIB GC	STX,B	104
DEKALB	DKC55-53RIB GC	STX,B	105
ENESTVEDT	E539	None	103
FEDERAL	5570CONV	None	105
GOLD COUNTRY	102-07RSS	STX,B	102
GOLD COUNTRY	102-88R2P	VT2P,B	102
GOLD COUNTRY	103-23RSS	STX,B	103
GOLD COUNTRY	104-11RSS	STX,B	104
GOLD COUNTRY	106-96RSS	STX,B	106
HEFTY	H5212VT2PRIB	VT2P,B	102
HEFTY	H5504SSRIB	STX,B	105
HEFTY	H5522VT2PRIB	VT2P,B	105
HEFTY	H5622VT2PRIB	VT2P,B	106
HEINE	739VT2PRORIB	VT2P,B	102
HEINE	740VT2PRORIB	VT2P,B	103
HEINE	752VT2PRORIB	VT2P,B	105
HEINE	7600VT2PRO	VT2P	106
HEINE	EXP 7550	STX	106
LATHAM	LH5245VT2PRIB	VT2P,B	102
LATHAM	LH5377VT2PRIB	VT2P,B	100
LATHAM	LH5487VT2PRIB	VT2P,B	104
LATHAM	LH5517VT2PRIB	VT2P,B	105
LATHAM	LH5546-3220-EZR	3220,B	105
MILLER HYBRIDS	M05-72	None	105

Company/Brand	Brand/Product	Technology	RM
NK BRAND	NK0243-3120-EZR	3120,B	102
NK BRAND	NK0472-3110	3110	104
NK BRAND	NK0624-3220-EZR	3220,B	106
NORTHSTAR	NS 102-168DGV2PRIB	VT2P,DG,B	102
NORTHSTAR	NS 105-558VT2P	VT2P	105
NORTHSTAR	NS 106-186SSRIB	STX,B	106
PIONEER	P0157AMXT CK	AMXT,AQ,B	101
PIONEER	P0306AM GC	AM,AQ,B	103
PIONEER	P0589 GC	AQ	105
PIONEER	P0688AM GC	AM,B	106
RENK	RK621VT2P	VT2P	102
RENK	RK626SSTX	STX	102
RENK	RK710DGV2P	VT2P,DG,B	106
RENK	RK717SSTX	STX,B	105
RENK	RK737SSTX	STX,B	106
REV	REV 1247AM GC	AM	101
REV	REV 1587AM GC	AM	105
TITAN PRO	82-04 2P	VT2P,B	104
TITAN PRO	91-02	None	102
TITAN PRO	96-06 2P	VT2P,B	106
TITAN PRO	TP 40-03	None	103
TITAN PRO	TP 70-06	None	106
VIKING	42-05	None	105
VIKING	51-04	None	104
VIKING	55-02	None	102
VIKING	84-05	None	105
WYFFELS	W4196RIB	VT2P,B	105
WYFFELS	W4358RIB	STX,B	106
WYFFELS	W4638	STX	107
WYFFELS	W5086	VT2P	107

Footnotes and Abbreviations Descriptions

Brand Footnotes

[^] Innotech™ brand seed is distributed by Rob-See-Co, LLC. Power Plus® brand seed is distributed by Burrus. Innotech™ is a trademark of Syngenta. Power Plus® is a registered trademark of Corteva Agriscience.

CK Identifies a check product included in early- and full-season tests.

GC Grower Comparison product included by FIRST when space permits.

Corn Technologies*

3010	Agrisure® 3010 (CB,LL,GT)	AMXT	Optimum® AcreMax® Xtreme (YGCB,HXT,RW,LL,RR2)	OI	Optimum® Intrasect®, YHR (YGCB,HX,LL,RR2)
3011,A	Agrisure® Artesian® (CB,RW,LL,GT)	AQ	Optimum® AQUAMax®	OIX	Optimum® Intrasect® Xtra, YXR (YGCB,HXT,LL,RR2)
3110	Agrisure® Viptera® 3110 (Vip, CB,LL,GT)	B	Refuge blend product	OIXT	Optimum® Intrasect® Xtreme (YGCB,HXT,RW,LL,RR2)
3111	Agrisure® Viptera® 3111 (Vip,CB,RW,LL,GT)	CB	Agrisure® Corn Borer	PC	PowerCore™ (HX, VT2P)
3120	Agrisure® 3120 (CB,HX,LL,GT)	DG	Genuity® DroughtGard®	RR2	Roundup Ready® 2 Corn
3122	Agrisure® 3122 (CB,HXX,RW,LL,GT)	E	Enlist™ (2,4-D, glyphosate, fop herbicide tolerance)	RW	Agrisure® Rootworm
3220	Agrisure® Viptera® 3220 (Vip,CB,HX,LL,GT)	GT	Agrisure® GT	STX	SmartStax® (VT3P,HXT,RR2,LL)
3330	Agrisure® Viptera® 3330 (Vip,CB,HX,LL,GT)	HX	Herculex® 1, contains LL	TRE	Genuity® Trecepta™
A	Agrisure® Artesian®	HXRW	Herculex® Rootworm, contains LL	VT2P	Genuity® VT Double PRO®
AM	Optimum® AcreMax® (YGCB,HX,LL,RR2)	HXT	Herculex® Xtra (HX,HXRW,LL)	VT3P	Genuity® VT Triple PRO®
AMT	Optimum® AcreMax®TRIssect (HX,RW,LL,RR2)	LL	LibertyLink®	YGCB	YieldGard® Corn Borer
AMX	Optimum® AcreMax® Xtra (YGCB,HXT,LL,RR2)	None	conventional corn		

* The refuge component genetics may vary in a refuge blend seed product.