

Test by: NewVenture, LLC Ellendale, MN

2019 Corn Grain Top 30 Harvest Report

Minnesota West Central [MNWC] KERKHOVEN, MN
Rod Lindquist, Swift County, MN 56252

Early-Season Test	93 - 98 Day CRM B2019MNWC04a
Top 30 of 54	For Gross Income (Sorted by Yield) Average of (2) Replications
PREV. CROP/HERB:	Corn / NA
SOIL DESCRIPTION:	Esmond-Heimdal-Sisseton Complex loam, well drained, non-irrigated
SOIL CONDITION:	Conventional W/ Fall Till, low P, medium K, 7.8 pH, 4.0% OM, 26.7 CEC
PEST MANAGEMENT:	Roundup, Resicore
FERTILITY - Applied N:	40 Sidedress, 10000 gallons/acre of dairy manure were applied
Applied N-P-K (units):	40-0-0
SEEDED - RATE - ROW:	May 17 35.1 /A 30" spacing
HARVESTED - STAND:	Nov 4 32.2 /A

TEST COMMENTS:

This is a gently rolling site that well represents the area. We completed planting at this site in the rain. There were many days of rain right after planting. Emergence was okay, but the final stand was hurt in spots that were more level in the plot. The yield also seemed to suffer in the lower spots due to water.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
HEFTY	H4332VT2P	VT2P	93	246.8	20.4	2	32.7	892	1
PROSEED	1996VT2PRIB	VT2P,B	96	240.7	21.0	0	34.1	867	2
DAIRYLAND	DS-3810AM	AM	98	238.1	21.4	0	34.1	855	4
DAHLMAN	R48-21VT2PRIB	VT2P,B	96	237.3	20.7	0	34.8	856	3
HEFTY	H4522VT2PRIB	VT2P,B	95	235.3	20.8	0	34.1	848	5
HEINE	6200VT2PRORIB GC	VT2P,B	95	232.7	21.8	0	33.4	833	7
HEFTY	H4812VT2PRIB	VT2P,B	98	232.5	19.7	0	34.8	844	6
DYNA-GRO	D37VC64	VT2P	97	225.5	20.5	0	30.5	815	8
GOLDEN HARVEST	G97N86-3220-EZR	3220,B	97	225.2	20.3	0	32.7	815	9
DAIRYLAND	DS-3750AM	AM	97	224.7	21.1	2	31.2	809	11
THUNDER	6996 VT2P	VT2P,B	96	224.1	20.9	0	33.4	807	12
GOLDEN HARVEST	G95M41-3010	3010	95	223.3	19.8	0	33.4	811	10
ANDERSON	609VT2P	VT2P,B	98	222.2	21.6	2	33.4	797	15
LATHAM	LH4437VT2PRIB	VT2P,B	94	221.7	19.9	1	33.4	804	13
LATHAM	LH4657VT2PRIB	VT2P,B	96	221.6	21.2	0	32.7	797	16
RENK	RK587VT2P	VT2P,B	97	220.7	20.4	0	31.9	798	14
PIONEER	P9492AM GC	AM,B	94	219.0	20.7	5	31.2	790	17
HEFTY	H4612VT2PRIB	VT2P,B	96	216.9	20.8	0	34.1	782	18
ANDERSON	609R	RR2	98	216.4	20.4	8	31.2	782	19
LATHAM	LH4795VT2PRIB	VT2P,B	97	215.8	20.6	2	33.4	779	20
ENESTVEDT	E660SS RIB	STX,B	97	214.2	21.5	0	33.4	769	24
DAHLMAN	R47-26VT2PRIB	VT2P,B	94	214.0	20.6	0	31.2	773	21
THUNDER	6098 VT2P	VT2P,B	98	214.0	22.4	0	31.9	763	26
HEFTY	H4732VT2P	VT2P	97	213.8	21.4	0	34.1	768	25
DAIRYLAND	DS-3715AM	AM,B	98	213.5	20.4	18	33.4	772	22
THUNDER	6993 VT2P	VT2P,B	93	213.0	20.2	0	33.4	771	23
FEDERAL	4580VT2PRIB	VT2P,B	95	211.2	20.8	1	34.1	762	27
PROSEED	1998VT2PRIB	VT2P,B	98	210.4	21.0	0	32.0	758	28
NK BRAND	NK9738-3220-EZR	3220,B	97	209.7	21.0	0	33.4	755	29
TITAN PRO	82-95 2P	VT2P,B	95	208.5	21.3	0	31.2	749	30
PIONEER	P0157AMXT CK	AMXT,AQ,B	101	159.2	21.8	0	28.3	570	53
				Averages =	209.4	21.0	2	32.2	754
				LSD (0.10) =	28.4	0.7	ns		
				LSD (0.25) =	14.9	0.3	ns		
				C.V. =	10.5				

Ed Dahle
ed.dahle@firstseedtests.com, (507) 456-6624

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$3.75

Report Date: 11/06/2019

Revised:11/07/2019 (Revised Test Comments)

Additional reports available at www.firstseedtests.com

† See last page for abbreviation descriptions. Dark colored row identifies the check product found in early- and full-season tests. **Bold** yields are significantly above test average by LSD(0.10). **Italicized** brands exceed the grain moisture limit for this test. **ns** = column values not significantly different

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Test by: NewVenture, LLC Ellendale, MN

2019 Corn Grain Top 30 Harvest Report

Minnesota West Central [MNWC] KERKHOVEN, MN
Rod Lindquist, Swift County, MN 56252

Full-Season Test	99 - 102 Day CRM B2019MNWC04b
Top 30 of 45	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / NA
SOIL DESCRIPTION:	Esmond-Heimdal-Sisseton Complex loam, well drained, non-irrigated
SOIL CONDITION:	Conventional W/ Fall Till, low P, medium K, 7.8 pH, 4.0% OM, 26.7 CEC
PEST MANAGEMENT:	Roundup, Resicore
FERTILITY - Applied N:	40 Sidedress, 10000 gallons/acre of dairy manure were applied
Applied N-P-K (units):	40-0-0
SEEDED - RATE - ROW:	May 17 35.1 /A 30" spacing
HARVESTED - STAND:	Nov 4 32.7 /A

TEST COMMENTS:

This is a gently rolling site that well represents the area. We completed planting at this site in the rain. There were many days of rain right after planting. Emergence was okay, but the final stand was hurt in spots that were more level in the plot. The yield also seemed to suffer in the lower spots due to water.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
FEDERAL	5280VT2PRIB	VT2P,B	102	237.8	21.8	0	33.4	852	1
HEFTY	H5212VT2PRIB	VT2P,B	102	232.5	22.2	0	33.4	830	2
DAIRYLAND	DS-4000AMXT	AMXT	101	231.6	21.9	0	32.9	829	3
FEDERAL	5000VT2P	VT2P	100	229.9	21.5	0	33.4	825	4
GOLDEN HARVEST	G02K39-3120-EZR	3120,B	102	229.2	21.6	0	34.3	822	6
THUNDER	6999 VT2P	VT2P,B	99	229.0	21.1	0	33.4	824	5
FEDERAL	4990VT2PRIB	VT2P,B	99	227.1	22.4	3	32.4	809	9
HEINE	6550VT2PRO GC	VT2P	99	226.7	21.5	3	33.4	813	7
TITAN PRO	TP 75-01 SS	STX,B	101	226.6	21.5	1	32.9	813	8
LATHAM	EX 5035 VT2P	VT2P	100	224.7	22.0	5	33.4	803	10
HEFTY	H4933VT2PDGRIB	VT2P,DG,B	99	223.3	21.6	0	34.3	801	11
GOLD COUNTRY	102-88R2P	VT2P,B	102	222.9	21.8	2	34.8	798	12
INTEGRA	5081 GC	VT2P,DG,B	100	222.5	22.1	0	32.4	795	13
DEKALB	DKC50-08RIB GC	STX,B	100	219.9	22.2	1	33.9	785	15
HEFTY	H4922VT2PRIB	VT2P,B	99	218.8	21.1	0	34.3	787	14
GOLD COUNTRY	99-30RSS	STX,B	99	218.6	21.5	0	31.9	784	16
LATHAM	LH5245VT2PRIB	VT2P,B	102	218.1	22.1	0	33.4	779	18
TITAN PRO	92-99 2P	VT2P,B	99	217.0	21.1	0	31.9	781	17
DAHLMAN	R51-22VT2PRIB	VT2P,B	101	216.8	21.2	1	33.4	779	19
THUNDER	6902 VT2P	VT2P,B	102	215.4	22.0	0	32.9	770	21
ENESTVEDT	E699DP RIB	VT2P,B	99	215.1	20.7	0	33.4	776	20
ENESTVEDT	E696SS RIB	STX,B	100	213.3	22.1	0	33.4	762	22
ANDERSON	611SRC	STX,B	100	213.1	22.0	0	33.9	762	23
GOLDEN HARVEST	G00H12-3010	3010	100	211.0	21.1	3	32.9	759	24
LATHAM	LH4937VT2PRIB	VT2P,B	99	209.8	20.6	1	33.4	757	25
ANDERSON	611VT2P	VT2P,B	100	209.3	21.9	5	33.4	749	26
DAHLMAN	R52-24VT2PRIB	VT2P,B	103	209.2	22.4	0	29.5	746	27
PIONEER	P9998AMXT GC	AMXT,AQ,B	99	208.0	22.1	0	33.4	743	28
RENK	RK608DGV2P	VT2P,DG,B	100	207.3	21.8	2	32.4	742	29
HEFTY	H5132VT2P	VT2P	101	206.0	21.8	2	32.4	738	30
PIONEER	P0157AMXT CK	AMXT,AQ,B	101	180.2	22.1	0	29.8	644	43
				Averages =	211.2	21.8	3	32.7	755
				LSD (0.10) =	19.1	0.5	ns		
				LSD (0.25) =	10.0	0.3	ns		
				C.V. =	8.6				

Ed Dahle
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Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$3.75

Report Date: 11/06/2019

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† See last page for abbreviation descriptions. Dark colored row identifies the check product found in early- and full-season tests. **Bold** yields are significantly above test average by LSD(0.10). **Italicized** brands exceed the grain moisture limit for this test. **ns** = column values not significantly different

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2019 Corn - Minnesota West Central [MNWC]



Early-Season Test Products (54 Total)

Company/Brand	Product/Brand	Technology	RM
ANDERSON	609R	RR2	98
ANDERSON	609VT2P	VT2P,B	98
AUGUSTA	A2345	3220,B	96
DAHLMAN	R47-26VT2PRIB	VT2P,B	94
DAHLMAN	R48-21VT2PRIB	VT2P,B	96
DAHLMAN	R48-28VT2PRIB	VT2P,B	95
DAHLMAN	R49-23VT2PRIB	VT2P,B	98
DAHLMAN	R49-25VT2PRIB	VT2P,B	98
DAIRYLAND	DS-3519AM	AM,B	96
DAIRYLAND	DS-3550AM	AM	95
DAIRYLAND	DS-3715AM	AM,B	98
DAIRYLAND	DS-3750AM	AM	97
DAIRYLAND	DS-3810AM	AM	98
DEKALB	DKC47-54 RIB GC	STX,B	97
DYNA-GRO	D37VC64	VT2P	97
DYNA-GRO	D39VC40	VT2P	98
ENESTVEDT	E658DP RIB	VT2P,B	96
ENESTVEDT	E660SS RIB	STX,B	97
FEDERAL	4580VT2PRIB	VT2P,B	95
FEDERAL	4680VT2PRIB	VT2P,B	96
FEDERAL	4805SSTAX	STX	98
FEDERAL	4880VT2PRIB	VT2P,B	98
GOLDEN HARVEST	G95M41-3010	3010	95
GOLDEN HARVEST	G97N86-3220-EZR	3220,B	97
HEFTY	H4332VT2P	VT2P	93
HEFTY	H4522VT2PRIB	VT2P,B	95
HEFTY	H4612VT2PRIB	VT2P,B	96
HEFTY	H4732VT2P	VT2P	97
HEFTY	H4812VT2PRIB	VT2P,B	98
HEINE	6200VT2PRORIB GC	VT2P,B	95
LATHAM	LH4375VT2PRIB	VT2P,B	93
LATHAM	LH4437VT2PRIB	VT2P,B	94
LATHAM	LH4517VT2PRIB	VT2P,B	95
LATHAM	LH4657VT2PRIB	VT2P,B	96
LATHAM	LH4795VT2PRIB	VT2P,B	97
NK BRAND	NK9227-3220A-EZR	3220,A,B	92

Company/Brand	Brand/Product	Technology	RM
NK BRAND	NK9610-3010	3010	96
NK BRAND	NK9738-3220-EZR	3220,B	97
PIONEER	P0157AMXT CK	AMXT,AQ,B	101
PIONEER	P9492AM GC	AM,B	94
PROSEED	1996VT2PRIB	VT2P,B	96
PROSEED	1998VT2PRIB	VT2P,B	98
RENK	RK561DGV2P	VT2P,DG	95
RENK	RK579DGV2P	VT2P,DG,B	98
RENK	RK587VT2P	VT2P,B	97
RENK	RK593VT2P	VT2P	96
THUNDER	6094 VT2P	VT2P,B	94
THUNDER	6098 VT2P	VT2P,B	98
THUNDER	6595 VT2P	VT2P,B	95
THUNDER	6993 VT2P	VT2P,B	93
THUNDER	6996 VT2P	VT2P,B	96
TITAN PRO	82-95 2P	VT2P,B	95
TITAN PRO	86-96 2P	VT2P,B	96
TITAN PRO	90-94 2P	VT2P,B	94

2019 Corn - Minnesota West Central [MNWC]



Full-Season Test Products (45 Total)

Company/Brand	Product/Brand	Technology	RM
ANDERSON	611SRC	STX,B	100
ANDERSON	611VT2P	VT2P,B	100
AUGUSTA	A3052	3110	102
DAHLMAN	R50-357SSRIB	STX,B	100
DAHLMAN	R51-22VT2PRIB	VT2P,B	101
DAHLMAN	R52-24VT2PRIB	VT2P,B	103
DAIRYLAND	DS-4000AMXT	AMXT	101
DAIRYLAND	DS-4018AM	AM,AQ,B	101
DAIRYLAND	DS-4019AM	AM,B	99
DEKALB	DKC50-08RIB GC	STX,B	100
ENESTVEDT	E696SS RIB	STX,B	100
ENESTVEDT	E699DP RIB	VT2P,B	99
FEDERAL	4880SSTAX	STX,B	99
FEDERAL	4990VT2PRIB	VT2P,B	99
FEDERAL	5000VT2P	VT2P	100
FEDERAL	5280VT2PRIB	VT2P,B	102
GOLD COUNTRY	101-60RSS	STX,B	101
GOLD COUNTRY	102-07RSS	STX,B	102
GOLD COUNTRY	102-88R2P	VT2P,B	102
GOLD COUNTRY	99-30RSS	STX,B	99
GOLDEN HARVEST	G00H12-3010	3010	100
GOLDEN HARVEST	G02K39-3120-EZR	3120,B	102
HEFTY	H4922VT2PRIB	VT2P,B	99
HEFTY	H4933VT2PDGRIB	VT2P,DG,B	99
HEFTY	H5132VT2P	VT2P	101
HEFTY	H5212VT2PRIB	VT2P,B	102
HEINE	6550VT2PRO GC	VT2P	99
INTEGRA	5081 GC	VT2P,DG,B	100
LATHAM	EX 5035 VT2P	VT2P	100
LATHAM	LH4937VT2PRIB	VT2P,B	99
LATHAM	LH5025VT2PDGRIB	VT2P,DG,B	100
LATHAM	LH5245VT2PRIB	VT2P,B	102
LATHAM	LH5377VT2PRIB	VT2P,B	100
NK BRAND	NK0243-3120-EZR	3120,B	102
NK BRAND	NK9930-3010	3010	99
PIONEER	P0157AMXT CK	AMXT,AQ,B	101

Company/Brand	Brand/Product	Technology	RM
PIONEER	P9998AMXT GC	AMXT,AQ,B	99
RENK	RK604SSSTX	STX,B	102
RENK	RK608DGV2P	VT2P,DG,B	100
RENK	RK621VT2P	VT2P	102
RENK	RK626SSSTX	STX	102
THUNDER	6902 VT2P	VT2P,B	102
THUNDER	6999 VT2P	VT2P,B	99
TITAN PRO	92-99 2P	VT2P,B	99
TITAN PRO	TP 75-01 SS	STX,B	101

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.