

Test by: NewVenture, LLC Ellendale, MN

2019 Corn Grain Top 30 Harvest Report

Minnesota West Central [MNWC] STARBUCK, MN

Matt Moe, Pope County, MN 56381

Early-Season Test	93 - 98 Day CRM B2019MNWC06a
Top 30 of 54	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Soybean / Roundup PowerMax, Flexstar, Section
SOIL DESCRIPTION:	Osakis Sandy Loam sandy loam, well drained, non-irrigated
SOIL CONDITION:	Conventional W/ Fall Till, medium P, low K, 7.6 pH, 3.1% OM, 22.0 CEC
PEST MANAGEMENT:	Halex Gt, Class Act
FERTILITY - Applied N:	145 Spring
Applied N-P-K (units):	145-65-85
SEEDING - RATE - ROW:	May 13 35.1 /A 30" spacing
HARVESTED - STAND:	Nov 5 34.0 /A

TEST COMMENTS:

This plot is on a sloping site. Matt, our host farmer, said that the Spring was wet and that thankfully June/July were good. The rains started again in August and really never stopped. Planting conditions were near perfect and harvest went well as the corn had dried down well. Minimal leaf diseases were noted.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
RENK	RK579DGV2P	VT2P,DG,B	98	235.9	19.5	0	33.9	858	1
LATHAM	LH4657VT2PRIB	VT2P,B	96	231.3	19.7	0	33.9	840	2
DYNA-GRO	D39VC40	VT2P	98	230.0	19.7	0	33.9	835	3
HEFTY	H4612VT2PRIB	VT2P,B	96	228.3	19.5	7	33.4	831	4
DAHLMAN	R47-26VT2PRIB	VT2P,B	94	226.6	18.9	1	34.3	828	5
DAHLMAN	R48-21VT2PRIB	VT2P,B	96	226.3	19.4	0	34.3	824	6
HEFTY	H4732VT2P	VT2P	97	226.2	19.9	0	34.3	821	7
DAHLMAN	R49-25VT2PRIB	VT2P,B	98	224.5	19.2	0	34.8	818	8
TITAN PRO	82-95 2P	VT2P,B	95	224.2	19.9	8	34.3	813	10
FEDERAL	4805SSTAX	STX	98	223.2	20.9	0	34.8	804	12
LATHAM	LH4517VT2PRIB	VT2P,B	95	223.1	19.0	0	34.3	814	9
PROSEED	1998VT2PRIB	VT2P,B	98	222.5	19.8	0	33.4	808	11
ENESTVEDT	E660SS RIB	STX,B	97	222.2	20.5	0	33.8	803	13
DAHLMAN	R48-28VT2PRIB	VT2P,B	95	218.7	19.4	0	34.3	796	14
LATHAM	LH4375VT2PRIB	VT2P,B	93	216.8	18.8	3	32.9	792	15
RENK	RK561DGV2P	VT2P,DG	95	216.5	19.6	3	33.9	787	16
THUNDER	6996 VT2P	VT2P,B	96	216.3	19.4	0	33.9	787	17
RENK	RK587VT2P	VT2P,B	97	216.1	19.3	0	33.4	787	18
ENESTVEDT	E658DP RIB	VT2P,B	96	214.8	20.1	0	33.9	778	21
THUNDER	6098 VT2P	VT2P,B	98	214.5	20.0	12	34.3	778	22
HEFTY	H4812VT2PRIB	VT2P,B	98	214.5	19.1	1	34.3	783	19
DAHLMAN	R49-23VT2PRIB	VT2P,B	98	213.8	19.5	0	34.3	778	23
FEDERAL	4680VT2PRIB	VT2P,B	96	213.5	19.6	0	34.8	776	24
DEKALB	DKC47-54 RIB GC	STX,B	97	213.3	19.8	0	34.8	774	25
HEFTY	H4332VT2P	VT2P	93	211.7	17.8	0	34.3	779	20
DAIRYLAND	DS-3810AM	AM	98	209.8	19.7	0	34.3	762	27
RENK	RK593VT2P	VT2P	96	209.6	19.5	1	34.8	762	28
DAIRYLAND	DS-3715AM	AM,B	98	209.2	19.1	18	33.4	763	26
DYNA-GRO	D37VC64	VT2P	97	208.9	19.2	0	33.4	762	29
TITAN PRO	90-94 2P	VT2P,B	94	206.7	18.5	8	32.9	757	30
PIONEER	P0157AMXT CK	AMXT,AQ,B	101	202.6	21.2	2	33.9	728	45
				Averages =	210.5	19.5	5	34.0	765
				LSD (0.10) =	13.3	0.5	11		
				LSD (0.25) =	7.0	0.2	6		
				C.V. =	6.0				

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

Test by: NewVenture, LLC Ellendale, MN

2019 Corn Grain Top 30 Harvest Report

Minnesota West Central [MNWC] STARBUCK, MN

Matt Moe, Pope County, MN 56381

Full-Season Test	99 - 102 Day CRM B2019MNWC06b
Top 30 of 45	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Soybean / Roundup PowerMax, Flexstar, Section
SOIL DESCRIPTION:	Osakis Sandy Loam sandy loam, well drained, non-irrigated
SOIL CONDITION:	Conventional W/ Fall Till, medium P, low K, 7.6 pH, 3.1% OM, 22.0 CEC
PEST MANAGEMENT:	Halex Gt, Class Act
FERTILITY - Applied N:	145 Spring
Applied N-P-K (units):	145-65-85
SEDED - RATE - ROW:	May 13 35.1 /A 30" spacing
HARVESTED - STAND:	Nov 5 33.9 /A

TEST COMMENTS:

This plot is on a sloping site. Matt, our host farmer, said that the Spring was wet and that thankfully June/July were good. The rains started again in August and really never stopped. Planting conditions were near perfect and harvest went well as the corn had dried down well. Minimal leaf diseases were noted.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
PIONEER	P9998AMXT GC	AMXT,AQ,B	99	236.1	20.1	0	33.9	855	1
LATHAM	EX 5035 VT2P	VT2P	100	235.7	20.5	0	33.9	852	2
HEINE	6550VT2PRO GC	VT2P	99	230.4	20.0	0	34.8	835	3
INTEGRA	5081 GC	VT2P,DG,B	100	230.3	20.3	1	34.3	833	5
RENK	RK621VT2P	VT2P	102	230.2	21.2	0	33.4	828	7
ENESTVEDT	E699DP RIB	VT2P,B	99	230.0	19.9	0	33.9	834	4
TITAN PRO	92-99 2P	VT2P,B	99	228.4	19.6	0	33.4	830	6
DAIRYLAND	DS-4000AMXT	AMXT	101	227.2	20.6	1	34.3	820	9
HEFTY	H5132VT2P	VT2P	101	226.8	20.4	0	34.3	820	10
FEDERAL	5000VT2P	VT2P	100	226.5	20.7	0	34.3	817	12
THUNDER	6999 VT2P	VT2P,B	99	225.7	18.7	0	34.8	825	8
HEFTY	H4922VT2PRIB	VT2P,B	99	225.1	19.2	0	34.3	820	11
GOLD COUNTRY	101-60RSS	STX,B	101	224.5	21.1	0	33.4	808	15
DAIRYLAND	DS-4019AM	AM,B	99	224.2	20.0	2	31.9	813	13
FEDERAL	5280VT2PRIB	VT2P,B	102	223.7	20.7	2	33.4	807	16
TITAN PRO	TP 75-01 SS	STX,B	101	222.9	19.7	0	33.4	810	14
LATHAM	LH5025VT2PDGRIB	VT2P,DG,B	100	222.8	20.3	0	33.9	806	17
HEFTY	H4933VT2PDGRIB	VT2P,DG,B	99	220.6	19.5	0	34.3	803	18
LATHAM	LH5377VT2PRIB	VT2P,B	100	218.7	20.0	0	34.8	793	19
DEKALB	DKC50-08RIB GC	STX,B	100	216.4	20.0	1	34.3	785	21
DAHLMAN	R51-22VT2PRIB	VT2P,B	101	216.4	19.1	0	34.3	789	20
NK BRAND	NK0243-3120-EZR	3120,B	102	216.3	20.6	7	34.3	781	23
DAHLMAN	R50-357SSRIB	STX,B	100	215.9	19.6	0	32.9	785	22
HEFTY	H5212VT2PRIB	VT2P,B	102	215.2	20.4	1	32.4	778	25
THUNDER	6902 VT2P	VT2P,B	102	215.1	20.6	0	33.9	777	26
LATHAM	LH4937VT2PRIB	VT2P,B	99	214.4	19.2	0	33.4	781	24
RENK	RK626SSTX	STX	102	214.2	20.8	3	31.9	772	29
GOLD COUNTRY	102-88R2P	VT2P,B	102	213.5	20.2	3	34.3	773	27
RENK	RK608DGV2P	VT2P,DG,B	100	213.3	20.1	0	34.8	773	28
DAHLMAN	R52-24VT2PRIB	VT2P,B	103	213.3	20.7	0	34.3	769	30
PIONEER	P0157AMXT CK	AMXT,AQ,B	101	210.4	21.1	0	33.9	757	34
				Averages =	215.3	20.2	1	33.9	779
				LSD (0.10) =	12.8	0.6	4		
				LSD (0.25) =	6.7	0.3	2		
				C.V. =	5.6				

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Yield & Income Factors:

Base Moisture = 15.0%

Shrink = 1.3

Drying = \$0.025

Prices: GMO = \$3.75

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	RK561DGVT2P	VT2P,DG	95
RENK	RK579DGVT2P	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.