

2018 Corn Grain Top 30 Harvest Report

Minnesota East Central [MNEC] ALBANY
Ray Beutz, Stearns County, MN 56307



Test by: NewVenture, LLC, Ellendale, MN

PREV. CROP/HERB: Corn
SOIL DESCRIPTION: Waukon-Cordova loam, well drained, non-irrigated
SOIL CONDITION: Conventional w/ fall till, very high P, very high K, 5.9 pH, 3.1% OM, 16.3 CEC
PEST MANAGEMENT: Force, SureStart, Roundup
FERTILITY - Applied N: 12,000 gals/acre dairy manure Spring
Applied N-P-K (units): ??
SEEDING - RATE - ROW: May 14 35,100 /A 30" spacing
HARVESTED - STAND: Nov 1 33,700 /A

Early-Season Test

86 - 91 Day CRM
B2018MNEC03a

Top 30 of 36

For Gross Income (Sorted by Yield)

Average of (3) Replications

Company/Brand	Product/Brand†	Technol.†	RM	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Pioneer	P9188AMX GC	AMX,B	91	233.8	18.5	21	32.4	681	1
Hefty	H4102VT2PRIB	VT2P,B	91	232.2	18.4	0	32.4	677	2
Mustang	2291VT2PRIB	VT2P,B	91	229.2	17.8	0	34.4	672	3
Dairyland	DS-9686	3000GT	86	220.4	18.1	5	34.4	644	4
NuTech/G2 Gen	E5FN-A386	OI	86	218.9	17.5	7	34.4	643	5
Pioneer	P9188AM GC	AM,B	91	218.8	18.4	12	34.4	638	6
Proseed	1790VT2PRIB	VT2P,B	90	217.7	18.0	2	32.4	637	7
Titan Pro	83-87 2P	VT2P,B	87	216.6	17.7	0	33.9	635	8
Hefty	H3622VT2P	VT2P	86	215.3	17.9	0	32.9	630	9
Latham	LH4147VT2ProRIB	VT2P,B	91	214.4	17.8	3	34.4	628	10
Renk	RK408VT2P	VT2P,B	90	213.3	18.4	2	33.9	622	11
Hefty	H3922VT2P	VT2P	89	209.8	18.0	0	34.4	614	12
Golden Harvest	G88F37-3010A	3010,A	88	208.9	17.9	0	34.4	612	13
Proseed	1591VT2PRIB	VT2P,B	91	207.5	17.8	4	33.9	608	14
Heine	600VT2PRO GC	VT2P	91	207.3	17.8	0	33.9	607	15
Thunder	6791VT2P	VT2P,B	91	206.6	18.4	0	34.4	602	16
Dahlman	R45-28VT2PRIB	VT2P,B	90	204.6	18.3	0	33.9	597	17
NuTech	5BN-2889	3010	89	204.4	18.3	0	34.4	596	18
NK Brand	NK8920-3120-EZR	3120,B	89	201.1	18.4	3	32.4	586	22
Golden Harvest	G89A09-3120-EZR	3120,B	89	200.9	18.3	1	33.9	586	23
Proseed	1787VT2PRIB	VT2P,B	87	200.1	17.1	26	31.9	590	19
Latham	LH3755VT2ProRIB	VT2P,B	87	200.1	17.6	2	33.4	587	21
Renk	RK287VT2P	VT2P,B	87	199.9	17.7	0	34.4	586	24
Latham	LH4015VT2Pro	VT2P	90	199.1	17.5	23	34.4	585	25
Enestvedt	E875RR	RR2	88	199.0	16.7	6	33.4	589	20
Dekalb	DKC35-88RIB GC	VT2P,B	85	197.9	17.0	4	34.4	584	26
Hefty	H3712VT2PRIB	VT2P,B	87	197.7	17.4	27	33.4	581	28
Mustang	3286VT2PRIB	VT2P,B	86	197.4	17.3	0	33.4	581	29
Mustang	2290VT2PRIB	VT2P,B	90	197.4	17.6	2	32.9	579	30
NuTech	5N-886	3011,A	86	196.0	17.9	3	34.4	574	31
Pioneer	P9492AM CK	AM,B	94	199.4	18.3	6	33.9	582	27
Averages =				206.0	17.8	5	33.7	603	
LSD (0.10) =				15.6	0.3	11			
LSD (0.25) =				8.2	0.2	6			
C.V. =				7.2					
Ed Dahle				Prev. years average yield, 207.1 bu/a, 1 yr					
ed.dahle@firstseedtests.com, (507) 456-6624									

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$3.00; non-GMO = \$3.00

Test Comments: *This site was a rolling location that was very similar to the surrounding area. The delayed harvest was due to persistent rain in early October. The site had some pockets of lodging and it was all stalk lodging. During a late September site visit, a minimal amount of disease was noted and the plot looked excellent. The plot did vary a little due to the rolling nature of the site and area.*

† 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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FERTILITY - Applied N: 12,000 gals/acre dairy manure Spring
Applied N-P-K (units): ??
SEEDING - RATE - ROW: May 14 35,100 /A 30" spacing
HARVESTED - STAND: Nov 1 33,600 /A

Full-Season Test
92 - 95 Day CRM
B2018MNEC03b

Top 30 of 36
For Gross Income (Sorted by Yield)
Average of (3) Replications

Company/Brand	Product/Brand†	Technol.†	RM	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Enestvedt	E656SSRIB	STX,B	95	231.1	18.7	2	34.4	672	1
Hefty	H4522VT2P	VT2P	95	231.1	19.4	0	34.4	668	2
Enestvedt	E612RR	RR2	92	225.8	18.6	0	33.9	657	3
Heine	6200VT2PRORIB GC	VT2P,B	95	225.6	18.9	0	34.8	655	4
Latham	LH4517VT2Pro	VT2P	95	225.0	18.7	0	32.4	654	7
Hefty	H4222VT2P	VT2P	92	224.8	19.0	0	33.4	652	8
Thunder	6992VT2P	VT2P	92	224.1	18.0	0	33.4	655	6
Dahlman	R48-28VT2PRIB	VT2P,B	95	224.1	18.6	0	33.4	652	9
Proseed	1794VT2PRIB	VT2P,B	94	223.3	18.8	0	33.9	649	10
Federal	4580VT2PRIB	VT2P,B	95	219.9	18.8	0	33.9	639	11
Renk	RK568VT2P	VT2P,B	94	219.5	18.9	0	34.4	637	13
Dahlman	R47-24VT2PRIB	VT2P,B	94	218.3	18.0	3	32.4	639	12
Hefty	H4322VT2P	VT2P	93	218.3	18.4	0	32.4	636	14
Hefty	H4324SS	STX	93	218.3	18.4	0	32.9	636	15
Federal	4440VT3PRIB	VT3P,B	94	217.0	18.5	0	32.4	632	16
Latham	LH4454VT2ProRIB	VT2P,B	94	216.5	18.9	0	33.4	628	18
Mustang	3294VT2PRIB	VT2P,B	94	216.2	18.2	1	32.4	631	17
Titan Pro	82-95 2P	VT2P,B	95	214.3	18.5	0	33.9	624	19
Enestvedt	E652RR	RR2	95	212.4	18.3	0	34.4	620	20
Renk	RK433RR	RR2	92	210.5	18.7	0	33.9	612	22
Thunder	6993VT2P	VT2P	93	210.3	18.3	0	34.4	614	21
Latham	LH4242VT2ProRIB	VT2P,B	92	209.2	19.0	0	34.4	607	23
NK Brand	NK9505-3110	3110	95	207.1	18.7	0	34.8	602	24
Anderson	795R	RR2	95	206.5	18.5	0	32.4	601	25
NuTech	5G-293	3110,A	93	206.1	18.8	0	32.4	599	27
Latham	LH4437VT2ProRIB	VT2P,B	94	205.6	18.1	1	32.4	601	26
Pioneer	P9330AM GC	AM,B	93	203.4	18.7	26	34.4	591	28
Anderson	742R	RR2	92	201.4	18.8	0	34.4	585	29
LG Seeds	LG44C27VT2PRO	VT2P	94	200.5	18.4	1	33.4	584	30
Renk	8-536VT2P	VT2P	94	199.9	18.7	0	34.4	581	31
Pioneer	P9492AM CK	AM,B	94	225.6	18.9	7	34.4	655	5
Averages =				213.1	18.7	1	33.6	620	
LSD (0.10) =				15.2	0.4	3			
LSD (0.25) =				8.0	0.2	1			
C.V. =				6.8					
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Early-Season Test Products (36 Total)

Company/Brand	Product/Brand	Technol.	Seed Trt.	RM	Company/Brand	Product/Brand	Technol.	Seed Trt.	RM
Dahlman	R45-28VT2PRIB	VT2P,B	AC,P2	90					
Dairyland	DS-9686	3000GT	CM,C5,Vi,ln	86					
Dekalb	DKC35-88RIB GC	VT2P,B	AC,P2	85					
Enestvedt	E875RR	RR2	CM,C2,Vi	88					
Enestvedt	E878VT2PRIB	VT2P,B	AC,P2	87					
Golden Harvest	G88F37-3010A	3010,A	AVC,C2,Vi	88					
Golden Harvest	G89A09-3120-EZR	3120,B	AVC,C2,Vi	89					
Hefty	H3622VT2P	VT2P	HC	86					
Hefty	H3712VT2PRIB	VT2P,B	HC	87					
Hefty	H3922VT2P	VT2P	HC	89					
Hefty	H4102VT2PRIB	VT2P,B	HC	91					
Heine	600VT2PRO GC	VT2P	AC,P5V	91					
Latham	LH3755VT2ProRIB	VT2P,B	AC,P2	87					
Latham	LH3937VT2ProRIB	VT2P,B	AC,P5V	89					
Latham	LH4015VT2Pro	VT2P	AC,P5V	90					
Latham	LH4147VT2ProRIB	VT2P,B	AC,P2	91					
Mustang	2290VT2PRIB	VT2P,B	AC,P2	90					
Mustang	2291VT2PRIB	VT2P,B	AC,P2	91					
Mustang	3286VT2PRIB	VT2P,B	AC,P2	86					
Mustang	3287VT2PRIB	VT2P,B	AC,P2	87					
NK Brand	NK8618-3011A	3011,A	AVC,C2,Vi	86					
NK Brand	NK8920-3120-EZR	3120,B	AVC,C2,Vi	89					
NuTech	5BN-2889	3010	CM,C2,Vi	89					
NuTech	5N-886	3011,A	MQ,P5V,R	86					
NuTech/G2 Gen	E5FN-A386	OI	MQ,P5V,R	86					
Pioneer	P9188AM GC	AM,B	MQ,C2	91					
Pioneer	P9188AMX GC	AMX,B	MQ,C2	91					
Pioneer	P9492AM CK	AM,B	MQ,C2,R,Lu	94					
Proseed	1591VT2PRIB	VT2P,B	AC,P2	91					
Proseed	1689VT2PRIB	VT2P,B	AC,P2	89					
Proseed	1787VT2PRIB	VT2P,B	AC,P2	87					
Proseed	1790VT2PRIB	VT2P,B	AC,P2	90					
Renk	RK287VT2P	VT2P,B	AC,P2	87					
Renk	RK408VT2P	VT2P,B	AC,P2	90					
Thunder	6791VT2P	VT2P,B	AC,P2	91					
Titan Pro	83-87 2P	VT2P,B	AC,P2	87					

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Full-Season Test Products (36 Total)

Company/Brand	Product/Brand	Technol.	Seed Trt.	RM	Company/Brand	Product/Brand	Technol.	Seed Trt.	RM
Anderson	742R	RR2	MQ	92					
Anderson	795R	RR2	MQ	95					
Dahlman	R47-24VT2PRIB	VT2P,B	AC,P2	94					
Dahlman	R48-28VT2PRIB	VT2P,B	AC,P2	95					
Dairyland	DS-7294A	3220	CM,C5,Vi,ln	94					
Enestvedt	E612RR	RR2	CM,C2,Vi	92					
Enestvedt	E652RR	RR2	CM,C2,Vi	95					
Enestvedt	E656SSRIB	STX,B	AC,P5V	95					
Federal	4440VT3PRIB	VT3P,B	AC,P2	94					
Federal	4580VT2PRIB	VT2P,B	AC,P2	95					
Golden Harvest	G90Y04-3220A-EZR	3220,A,B	AVC,C2,Vi	92					
Golden Harvest	G95P13-3110	3110	AVC,C2,Vi	95					
Hefty	H4222VT2P	VT2P	HC	92					
Hefty	H4322VT2P	VT2P	HC	93					
Hefty	H4324SS	STX	HC	93					
Hefty	H4522VT2P	VT2P	HC	95					
Heine	6200VT2PRORIB GC	VT2P,B	AC,P2	95					
Latham	LH4242VT2ProRIB	VT2P,B	AC,P2	92					
Latham	LH4437VT2ProRIB	VT2P,B	AC,P2	94					
Latham	LH4454VT2ProRIB	VT2P,B	AC,P2	94					
Latham	LH4517VT2Pro	VT2P	AC,P5V	95					
LG Seeds	LG44C27VT2PRO	VT2P	AC,P5V	94					
Mustang	3294VT2PRIB	VT2P,B	AC,P2	94					
NK Brand	NK9227-3220A-EZR	3220,A,B	AVC,C2,Vi	92					
NK Brand	NK9505-3110	3110	AVC,C2,Vi	95					
NuTech	5G-293	3110,A	MQ,P5V,R	93					
NuTech	E5GN-A395	3110	AVC,Vi	95					
Pioneer	P9330AM GC	AM,B	MQ,C2,R,Lu	93					
Pioneer	P9492AM CK	AM,B	MQ,C2,R,Lu	94					
Proseed	1794VT2PRIB	VT2P,B	AC,P2	94					
Renk	8-536VT2P	VT2P	AC,P2	94					
Renk	RK433RR	RR2	AC,P2	92					
Renk	RK568VT2P	VT2P,B	AC,P2	94					
Thunder	6992VT2P	VT2P	AC,P5V	92					
Thunder	6993VT2P	VT2P	AC,P2	93					
Titan Pro	82-95 2P	VT2P,B	AC,P2	95					

Footnotes and Abbreviation Descriptions

Brand Footnotes

^	Innotech™ brand seed is distributed by Rob-See-Co, LLC. Phoenix® brand seed is distributed by Advanta Seeds. Power Plus® brand seed is distributed by Burrus. Innotech™ and Phoenix® are trademarks 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*

3000GT	Agrisure® 3000GT (CB,RW,LL,GT)	E	Enlist™ (2,4-D, glyphosate, fop herbicide tolerance)
3010	Agrisure® 3010 (CB,LL,GT)	GT	Agrisure® GT
3011,A	Agrisure® Artesian® (CB,RW,LL,GT)	HX	Herculex® 1, contains LL
3110	Agrisure® Viptera® 3110 (Vip, CB,LL,GT)	HXRW	Herculex® Rootworm, contains LL
3111	Agrisure® Viptera® 3111 (Vip,CB,RW,LL,GT)	HXT	Herculex® Xtra (HX,HXRW,LL)
3120	Agrisure® 3120 (CB,HX,LL,GT)	LL	LibertyLink®
3122	Agrisure® 3122 (CB,HXX,RW,LL,GT)	None	conventional corn
3220	Agrisure® Viptera® 3220 (Vip,CB,HX,LL,GT)	OI	Optimum® Intrasect®, YHR (YGCB,HX,LL,RR2)
A	Agrisure® Artesian®	OIX	Optimum® Intrasect® Xtra, YXR (YGCB,HXT,LL,RR2)
AM	Optimum® AcreMax® (YGCB,HX,LL,RR2)	OIXT	Optimum® Intrasect® Xtreme (YGCB,HXT,RW,LL,RR2)
AMT	Optimum® AcreMax® TRIsect (HX,RW,LL,RR2)	PC	PowerCore™ (HX, VT2P)
AMX	Optimum® AcreMax® Xtra (YGCB,HXT,LL,RR2)	RR2	Roundup Ready® 2 Corn
AMXT	Optimum® AcreMax® Xtreme (YGCB,HXT,RW,LL,RR2)	RW	Agrisure® Rootworm
AQ	Optimum® AQUAMax®	STX	SmartStax® (VT3P,HXT,RR2,LL)
B	Refuge blend product	VT2P	Genuity® VT Double PRO®
CB	Agrisure® Corn Borer	VT3P	Genuity® VT Triple PRO®
DG	Genuity® DroughtGard®	YGCB	YieldGard® Corn Borer

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

Corn Seed Treatments**

?	information not provided	Lu	Lumivia™
A	Allegiance®	M	Maxim XL®
AC	Acceleron® fungicide products	MQ	Maxim Quattro®
AL2500	Alert 2500	None	untreated
At	Actellic®	P2, P5, P1	Poncho® at 0.25, 0.5 and 1.25 mg ai/seed, respectively
AVC	Avicta® Complete Corn	R	Raxil®
C2, C5, C1	Cruiser® at 0.25, 0.5 and 1.25 mg ai/seed, respectively	Sa	Sativa™
CE	Cruiser Extreme®	Se	Sebring™
CM	CruiserMaxx® Corn	Sn	Senator™
D	Dynasty®	Sp	Spirato™
Es	Escalate®	SC	SHIELDCoat™
HC	Hefty Complete	V	Votivo®
In	Intego™ Solo	Vi	Vibrance®
L	Lorsban®		

** Seed treatments may include unspecified plant health promoting components.