

Test by: Southern MN FIRST New Richland, MN

## 2019 Corn Grain Top 30 Harvest Report

Minnesota Southeast [MNSE] NEW RICHLAND, MN

Leon Schoenrock, Waseca County, MN 56072

<b>Early-Season Test</b>	96 - 101 Day CRM B2019MNSE07a
<b>Top 30 of 60</b>	For Gross Income (Sorted by Yield) Average of (3) Replications
<b>PREV. CROP/HERB:</b>	Soybean / Authority First, Metribuzin, Roundup, Flexstar, Clethodim
<b>SOIL DESCRIPTION:</b>	Webster clay loam, mod. well drained, non-irrigated
<b>SOIL CONDITION:</b>	Conventional W/ Fall Till, high P, medium K, 6.6 pH, 4.0% OM, 29.4 CEC
<b>PEST MANAGEMENT:</b>	Force, Atrazine, Laudis
<b>FERTILITY - Applied N:</b>	11.0 Fall, 135 Spring, 12# sulfur
<b>Applied N-P-K (units):</b>	146-52-60
<b>SEEDED - RATE - ROW:</b>	May 7 35.3 /A 30" spacing
<b>HARVESTED - STAND:</b>	Oct 24 33.7 /A

### TEST COMMENTS:

A cool, wet spring was followed by a cool, wet summer. High winds on July 20 caused green snap in many varieties. Soils were very moist right through harvest. The yield variation here is largely explained by lodging or green snap from the July 20 storm. Lodging scores include green snap evident as of harvest. Leon stated his corn around the plot site yielded 210-220 bpa.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
FEDERAL	5280CONV	None	101	<b>229.9</b>	19.6	1	32.6	797	1
GOLD COUNTRY	101-60RSS	STX,B	101	<b>229.3</b>	20.5	1	33.0	786	2
NUTECH	56A7Q	QR,B	96	<b>225.3</b>	20.5	0	33.5	773	3
DAIRYLAND	DS-3750AM	AM	97	<b>221.4</b>	19.1	0	33.5	772	4
TITAN PRO	92-99 2P	VT2P,B	99	<b>217.4</b>	18.6	2	34.4	762	5
FEDERAL	5280VT2PRIB	VT2P,B	102	<b>216.6</b>	19.8	1	34.4	749	6
EPLEY	E1012SS	STX	100	213.8	19.6	0	34.4	741	8
LATHAM	EX 5035 VT2P	VT2P	100	212.4	19.4	9	33.0	738	9
LATHAM	LH4937VT2PRIB	VT2P,B	99	212.2	18.6	1	34.8	744	7
TITAN PRO	84-01	None	101	212.2	20.1	1	33.9	732	13
EPLEY	E9840	None	98	211.5	19.0	2	32.6	738	10
FEDERAL	4990VT2PRIB	VT2P,B	99	211.4	20.0	2	33.0	730	14
HEFTY	H5132VT2P	VT2P	101	209.9	19.7	2	33.5	727	15
VIKING	46-96	None	96	209.8	18.8	2	33.0	734	11
NORTHSTAR	NS 98-513VT2PRIB	VT2P,B	98	208.7	18.3	1	33.9	734	12
RENK	RK593VT2P	VT2P	96	208.3	19.5	2	33.9	723	16
DAIRYLAND	DS-3810AM	AM	98	207.0	19.1	2	35.3	722	17
NUTECH	E58A2Q	QR,B	98	205.1	18.9	2	33.5	716	19
TITAN PRO	85-96	None	96	204.5	18.5	0	34.4	718	18
TITAN PRO	70-98	None	98	204.4	19.5	2	33.0	709	20
RENK	RK579DGV2P	VT2P,DG,B	98	204.0	19.7	1	33.5	707	21
DEKALB	DKC50-08RIB GC	STX,B	100	203.9	19.9	0	32.6	704	22
ANDERSON	6811	None	100	201.9	19.3	2	33.3	703	23
LATHAM	LH4830	None	98	201.8	19.2	3	33.9	703	24
HEFTY	H4732VT2P	VT2P	97	201.0	19.4	0	33.0	698	26
LATHAM	LH5160	None	101	200.8	19.6	6	33.5	696	27
DAIRYLAND	DS-3715AM	AM,B	98	199.4	19.3	2	33.5	694	28
NK BRAND	NK9610-3010	3010	96	199.1	18.5	2	34.4	699	25
VIKING	44-98	None	98	198.7	19.0	0	33.9	693	29
HEFTY	H4922VT2PRIB	VT2P,B	99	197.5	18.8	0	34.8	691	30
PIONEER	P0157AMXT CK	AMXT,AQ,B	101	187.0	19.9	2	32.1	646	47

*Mark Querna*

Mark Querna

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Averages = **197.3** **19.3** **3** **33.7** **685**

LSD (0.10) = 17.6 0.5 6

LSD (0.25) = 9.2 0.3 3

C.V. = 8.5

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

Report Date: 10/27/2019

Additional reports available at [www.firstseedtests.com](http://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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## 2019 Corn Grain Top 30 Harvest Report

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Leon Schoenrock, Waseca County, MN 56072

<b>Full-Season Test</b>	102 - 106 Day CRM B2019MNSE07b
<b>Top 30 of 66</b>	For Gross Income (Sorted by Yield) Average of (3) Replications
<b>PREV. CROP/HERB:</b>	Soybean / Authority First, Metribuzin, Roundup, Flexstar, Clethodim
<b>SOIL DESCRIPTION:</b>	Webster clay loam, mod. well drained, non-irrigated
<b>SOIL CONDITION:</b>	Conventional W/ Fall Till, high P, medium K, 6.6 pH, 4.0% OM, 29.4 CEC
<b>PEST MANAGEMENT:</b>	Force, Atrazine, Laudis
<b>FERTILITY - Applied N:</b>	11.0 Fall, 135 Spring, 12# sulfur
<b>Applied N-P-K (units):</b>	146-52-60
<b>SEEDED - RATE - ROW:</b>	May 7 35.3 /A 30" spacing
<b>HARVESTED - STAND:</b>	Oct 24 33.5 /A

### TEST COMMENTS:

A cool, wet spring was followed by a cool, wet summer. High winds on July 20 caused green snap in many varieties. Soils were very moist right through harvest. The yield variation here is largely explained by lodging or green snap from the July 20 storm. Lodging scores include green snap evident as of harvest. Leon stated his corn around the plot site yielded 210-220 bpa.

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	<b>253.0</b>	21.1	0	33.5	862	1
NUTECH	64D1AM	AM,B	104	<b>240.8</b>	21.6	3	33.0	815	2
AUGUSTA	A2856	3220,B	105	<b>234.4</b>	22.2	3	32.1	788	7
WYFFELS	W4638	STX	107	<b>232.7</b>	21.5	0	33.9	789	6
PIONEER	P0589 GC	AQ	105	<b>232.3</b>	20.4	0	33.5	798	4
LATHAM	LH5487VT2PRIB	VT2P,B	104	<b>232.2</b>	20.0	6	33.9	801	3
HEFTY	H5522VT2PRIB	VT2P,B	105	<b>231.0</b>	20.7	1	32.6	791	5
TITAN PRO	TP 70-06	None	106	<b>229.7</b>	21.1	0	33.9	782	12
TITAN PRO	96-06 2P	VT2P,B	106	<b>229.6</b>	20.7	0	33.0	786	8
NUTECH	66B6Q	QR,B	106	228.8	20.6	1	35.3	784	9
HEFTY	H5622VT2PRIB	VT2P,B	106	228.6	20.7	2	32.6	783	10
NORTHSTAR	NS 105-558VT2P	VT2P	105	227.5	20.2	0	33.5	783	11
DAIRYLAND	DS-7004RA	PC,B	104	226.7	21.9	7	33.5	765	18
GOLD COUNTRY	103-23RSS	STX,B	103	225.5	21.3	1	34.8	766	17
DAIRYLAND	DS-4440AM	AM,B	104	225.4	20.4	1	33.5	774	13
NUTECH	65H2Q	QR,B	105	225.1	20.9	2	32.1	768	16
TITAN PRO	82-04 2P	VT2P,B	104	224.1	20.3	1	33.0	770	15
TITAN PRO	84-03 2P	VT2P,B	103	223.8	20.1	1	33.5	771	14
RENK	RK737SSTX	STX,B	106	222.5	20.7	0	33.5	761	20
DAIRYLAND	DS-4580AMXT	AMXT	105	221.9	21.4	3	34.4	753	23
DAIRYLAND	DS-4310AM	AM	103	221.6	21.4	3	33.9	752	24
RENK	RK621VT2P	VT2P	102	221.5	20.1	6	32.6	763	19
RENK	RK710DGV2P	VT2P,DG,B	106	220.4	21.3	4	33.5	749	25
EPLEY	E1330	None	103	220.1	20.1	1	33.3	759	21
LATHAM	LH5245VT2PRIB	VT2P,B	102	219.6	20.1	2	33.9	756	22
VIKING	55-02	None	102	219.0	21.4	0	33.5	743	28
DAIRYLAND	DS-4329AM	AM,B	105	217.3	20.8	1	32.6	743	29
AUGUSTA	A3052	3110	102	217.0	20.2	0	32.1	747	27
NUTECH	E628AQ	QR,B	102	217.0	20.0	1	33.9	748	26
LATHAM	LH5517VT2PRIB	VT2P,B	105	215.5	20.2	0	33.0	741	30
PIONEER	P0157AMXT CK	AMXT,AQ,B	101	198.3	21.0	3	31.9	677	56
				<b>Averages =</b>	<b>212.7</b>	<b>20.8</b>	<b>3</b>	<b>33.5</b>	<b>727</b>
				<b>LSD (0.10) =</b>	16.6	0.6	6		
				<b>LSD (0.25) =</b>	8.7	0.3	3		
				<b>C.V. =</b>	7.4				

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

Report Date: 10/27/2019

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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 Southeast [ MNSE ]

### Early-Season Test Products (60 Total)

Company/Brand	Product/Brand	Technology	RM
ANDERSON	609R	RR2	98
ANDERSON	611SRC	STX,B	100
ANDERSON	6811	None	100
ANDERSON	6898	None	98
AUGUSTA	A2345	3220,B	96
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
ENESTVEDT	E696SS RIB	STX,B	100
ENESTVEDT	E699DP RIB	VT2P,B	99
EPLEY	E1012SS	STX	100
EPLEY	E9840	None	98
FEDERAL	4680VT2PRIB	VT2P,B	96
FEDERAL	4880VT2PRIB	VT2P,B	98
FEDERAL	4990VT2PRIB	VT2P,B	99
FEDERAL	5280CONV	None	101
FEDERAL	5280VT2PRIB	VT2P,B	102
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
GOLDEN HARVEST	G00H12-3010	3010	100
GOLDEN HARVEST	G97N86-3220-EZR	3220,B	97
HEFTY	H4612VT2PRIB	VT2P,B	96
HEFTY	H4732VT2P	VT2P	97
HEFTY	H4812VT2PRIB	VT2P,B	98
HEFTY	H4922VT2PRIB	VT2P,B	99
HEFTY	H5132VT2P	VT2P	101
LATHAM	EX 5035 VT2P	VT2P	100
LATHAM	LH4830	None	98
LATHAM	LH4937VT2PRIB	VT2P,B	99
LATHAM	LH5077VT2PRIB	VT2P,B	100

Company/Brand	Brand/Product	Technology	RM
LATHAM	LH5160	None	101
NK BRAND	NK9610-3010	3010	96
NK BRAND	NK9930-3010	3010	99
NORTHSTAR	NS 97-547SSRIB	STX,B	97
NORTHSTAR	NS 98-513VT2PRIB	VT2P,B	98
NUTECH	56A7Q	QR,B	96
NUTECH	5F-196AM	AM,B	96
NUTECH	5F-601AM	AM,B	100
NUTECH	E58A2Q	QR,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

## 2019 Corn - Minnesota Southeast [ MNSE ]

### 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
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
EPLEY	E1330	None	103
EPLEY	E1503VT2P	VT2P	105
FEDERAL	5300VT2P	VT2P	103
FEDERAL	5570VT2PRIB	VT2P,B	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
GOLDEN HARVEST	G02K39-3120-EZR	3120,B	102
GOLDEN HARVEST	G03R40-3110	3110	103
HEFTY	H5212VT2PRIB	VT2P,B	102
HEFTY	H5432VT2P	VT2P	104
HEFTY	H5504SSRIB	STX,B	105
HEFTY	H5522VT2PRIB	VT2P,B	105
HEFTY	H5622VT2PRIB	VT2P,B	106
LATHAM	LH5245VT2PRIB	VT2P,B	102
LATHAM	LH5377VT2PRIB	VT2P,B	100
LATHAM	LH5487VT2PRIB	VT2P,B	104
LATHAM	LH5517VT2PRIB	VT2P,B	105
LATHAM	LH5635VT2PRIB	VT2P,B	106
NK BRAND	NK0243-3120-EZR	3120,B	102
NK BRAND	NK0472-3110	3110	104
NORTHSTAR	NS 102-168DGV2PRIB	VT2P,DG,B	102
NORTHSTAR	NS 105-558VT2P	VT2P	105

Company/Brand	Brand/Product	Technology	RM
NORTHSTAR	NS 106-186SSRIB	STX,B	106
NUTECH	5L-504AMXT	AMXT,B	104
NUTECH	64D1AM	AM,B	104
NUTECH	65H2Q	QR,B	105
NUTECH	66B6Q	QR,B	106
NUTECH	E628AQ	QR,B	102
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	RK642VT2P	VT2P,B	103
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	84-03 2P	VT2P,B	103
TITAN PRO	91-02	None	102
TITAN PRO	96-06 2P	VT2P,B	106
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

<sup>^</sup> 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® Vipera® 3110 (Vip, CB,LL,GT)	B	Refuge blend product	OIXT	Optimum® Intrasect® Xtreme (YGCB,HXT,RW,LL,RR2)
3111	Agrisure® Vipera® 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® Vipera® 3220 (Vip,CB,HX,LL,GT)	GT	Agrisure® GT	STX	SmartStax® (VT3P,HXT,RR2,LL)
3330	Agrisure® Vipera® 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.