

Test by: MNS Seed Testing, LLC New Richland, MN

## 2019 Corn Grain Top 30 Harvest Report

South Dakota Northeast [SDNE] ARLINGTON, SD

Tim Bjorklund, Brookings County, SD 57212

<b>Early-Season Test</b>	91 - 95 Day CRM B2019SDNE01a
<b>Top 30 of 45</b>	For Gross Income (Sorted by Yield) Average of (3) Replications
<b>PREV. CROP/HERB:</b>	Soybean / Roundup, Durango, Sonic, Sharpen
<b>SOIL DESCRIPTION:</b>	Poinsett-Buse-Waubay silty clay loam, well drained, non-irrigated
<b>SOIL CONDITION:</b>	No-Till, very high P, medium K, 5.8 pH, 4.9% OM, 21.2 CEC
<b>PEST MANAGEMENT:</b>	Force, Surestart, Durango, Atrazine, Bellum
<b>FERTILITY - Applied N:</b>	184 Spring
<b>Applied N-P-K (units):</b>	184-75-0
<b>SEEDED - RATE - ROW:</b>	May 15 32.5 /A 30" spacing
<b>HARVESTED - STAND:</b>	Nov 20 32.3 /A

### TEST COMMENTS:

*Nice side hill location, and a May planting helped get the plot started. We had some lodging that was severe in certain varieties. Lodging also seemed to be from raccoons that picked specific varieties to damage while leaving others alone. A little side hill seeping caused some variability in yield.*

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
THUNDER	6992 VT2P	VT2P,B	92	<b>200.7</b>	22.3	4	33.4	666	1
DAHLMAN	R47-26VT2PRIB GC	VT2P,B	94	<b>198.4</b>	21.7	4	32.4	661	2
FEDERAL	4440VT2PRIB	VT2P,B	94	<b>198.2</b>	26.0	2	33.4	639	4
THUNDER	6993 VT2P	VT2P,B	93	192.6	21.2	2	32.9	644	3
RENK	RK433VT2P	VT2P	92	192.1	23.3	2	33.4	632	5
DAIRYLAND	DS-3550AM	AM	95	184.8	22.3	2	30.0	613	6
FEDERAL	4185VT2PRIB	VT2P,B	91	184.4	22.8	6	33.4	610	7
THUNDER	6094 VT2P	VT2P,B	94	181.8	22.3	4	32.4	603	8
LATHAM	LH4517VT2PRIB	VT2P,B	95	181.8	25.5	2	32.9	589	13
HEFTY	H4332VT2P	VT2P	93	179.3	23.0	6	33.4	592	12
HEINE	EXP 6100	VT2P	93	178.6	22.1	3	32.9	593	11
HEFTY	H4132VT2P	VT2P	91	178.4	21.8	2	33.4	594	10
RENK	RK561DGV2P	VT2P,DG	95	177.7	25.8	3	30.9	574	15
LATHAM	LH4454VT2PRIB	VT2P,B	94	176.6	26.8	3	32.4	566	21
FEDERAL	4580VT2PRIB	VT2P,B	95	176.3	26.9	2	32.9	565	23
HEINE	6200VT2PRORIB	VT2P,B	95	175.5	26.1	3	32.9	566	22
<i>THUNDER</i>	<i>6595 VT2P</i>	<i>VT2P,B</i>	95	174.0	27.6	4	31.4	554	26
GOLDEN HARVEST	G91V51-3110A	3110,A	91	173.9	24.7	4	32.0	567	20
INTEGRA	4119	VT2P,B	91	173.9	21.3	3	33.4	581	14
HEINE	6230	NA	95	173.5	23.7	6	33.4	570	16
HEINE	EXP 6150	VT2P	94	173.0	25.3	4	32.4	561	24
LATHAM	LH4375VT2PRIB	VT2P,B	93	172.6	23.0	5	33.4	569	17
FEDERAL	4300VT2P	VT2P	93	172.1	22.8	3	32.4	569	18
FEDERAL	4190VT2PRIB	VT2P,B	91	171.5	22.6	2	33.4	568	19
TITAN PRO	82-95 2P GC	VT2P,B	95	170.3	25.4	4	30.9	552	27
HEFTY	H4522VT2PRIB	VT2P,B	95	170.0	23.2	4	31.9	560	25
DAHLMAN	R48-28VT2PRIB GC	VT2P,B	95	169.9	27.2	6	32.9	543	31
HEFTY	H4322VT2PRIB	VT2P,B	93	165.3	22.9	4	31.5	546	28
HEFTY	H4222VT2PRIB	VT2P,B	92	165.2	23.2	5	33.4	544	29
TITAN PRO	90-94 2P GC	VT2P,B	94	163.9	22.3	6	32.4	544	30
DEKALB	DKC47-54 RIB CK	STX,B	97	184.5	24.6	6	31.4	601	9



Mark Tollefson

mark.tollefson@firstseedtests.com, (507) 456-2357

Averages = **166.2** **23.9** **6** **32.3** **539**  
 LSD (0.10) = 31.5 1.4 7  
 LSD (0.25) = 16.5 0.8 4  
 C.V. = 18.0

**Yield & Income Factors:** Base Moisture = 15.0% Shrink = 1.2 Drying = \$0.025 Prices: GMO = \$3.50

Report Date: 11/24/2019

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

©2019, All rights reserved by Elite Field Genetics, LLC

Test by: MNS Seed Testing, LLC New Richland, MN

## 2019 Corn Grain Top 30 Harvest Report

South Dakota Northeast [SDNE] ARLINGTON, SD

Tim Bjorklund, Brookings County, SD 57212

<b>Full-Season Test</b>	96 - 100 Day CRM B2019SDNE01b
<b>Top 30 of 45</b>	For Gross Income (Sorted by Yield) Average of (3) Replications
<b>PREV. CROP/HERB:</b>	Soybean / Roundup, Durango, Sonic, Sharpen
<b>SOIL DESCRIPTION:</b>	Poinsett-Buse-Waubay silty clay loam, well drained, non-irrigated
<b>SOIL CONDITION:</b>	No-Till, very high P, medium K, 5.8 pH, 4.9% OM, 21.2 CEC
<b>PEST MANAGEMENT:</b>	Force, Surestart, Durango, Atrazine, Bellum
<b>FERTILITY - Applied N:</b>	184 Spring
<b>Applied N-P-K (units):</b>	184-75-0
<b>SEEDED - RATE - ROW:</b>	May 15 32.5 /A 30" spacing
<b>HARVESTED - STAND:</b>	Nov 20 32.9 /A

### TEST COMMENTS:

*Nice side hill location, and a May planting helped get the plot started. We had some lodging that was severe in certain varieties. Lodging also seemed to be from raccoons that picked specific varieties to damage while leaving others alone. A little side hill seeping caused some variability in yield.*

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
RENK	RK593VT2P	VT2P	96	<b>201.1</b>	22.3	2	32.9	667	1
LATHAM	EX 5035 VT2P	VT2P	100	<b>199.2</b>	26.1	2	32.4	642	3
THUNDER	6999 VT2P	VT2P,B	99	<b>196.7</b>	22.9	1	33.4	650	2
FEDERAL	4880VT2PRIB	VT2P,B	98	<b>196.1</b>	24.4	3	32.9	640	4
RENK	RK579DGV2P	VT2P,DG,B	98	187.3	26.9	1	33.4	600	6
LATHAM	LH4937VT2PRIB	VT2P,B	99	185.8	23.4	1	32.4	611	5
DAIRYLAND	DS-3750AM	AM	97	183.2	24.2	1	32.9	599	7
HEFTY	H4612VT2PRIB	VT2P,B	96	182.3	26.5	1	33.4	585	10
RENK	RK587VT2P	VT2P,B	97	180.7	25.6	1	33.4	584	12
NK BRAND	NK9659-3120-EZR	3120,B	96	180.5	22.8	1	33.4	596	8
NK BRAND	NK9930-3010	3010	99	179.7	25.9	1	31.9	580	14
FEDERAL	4990VT2PRIB	VT2P,B	99	178.6	31.8	6	33.4	550	22
INTEGRA	4782	VT2P,B	97	178.2	25.4	1	32.9	578	15
GOLDEN HARVEST	G00H12-3010	3010	100	178.0	23.9	1	33.4	584	13
DAIRYLAND	DS-3715AM	AM,B	98	177.3	21.8	1	32.9	590	9
DAIRYLAND	DS-3519AM	AM,B	96	177.2	23.0	2	32.9	585	11
DAIRYLAND	DS-3810AM	AM	98	175.8	25.6	1	33.4	569	16
HEINE	EXP 7010	VT2P	100	175.6	29.0	2	32.9	553	20
INTEGRA	5081	VT2P,DG,B	100	174.2	31.4	1	33.4	538	24
FEDERAL	4680VT2PRIB	VT2P,B	96	174.0	25.3	1	33.4	564	18
INTEGRA	4888	STX,B	98	173.5	33.2	1	33.4	528	27
NK BRAND	NK9610-3010	3010	96	173.0	23.7	3	32.9	568	17
HEFTY	H4922VT2PRIB	VT2P,B	99	171.3	25.2	1	33.4	556	19
GOLDEN HARVEST	G97N86-3220-EZR	3220,B	97	168.1	23.6	1	32.4	552	21
LATHAM	LH4657VT2PRIB	VT2P,B	96	167.7	27.8	1	33.4	533	25
DEKALB	DKC50-08RIB GC	STX,B	100	167.5	30.9	1	32.4	520	29
HEINE	6500VT2PRO	VT2P	99	166.5	25.1	2	33.4	541	23
PROSEED	1996VT2PRIB GC	VT2P,B	96	164.8	25.7	1	33.4	533	26
GOLDEN HARVEST	G98L17-3000GT	3000GT	98	163.4	28.7	1	32.4	516	30
FEDERAL	4999VT2PRIB	VT2P,B	99	161.5	25.8	1	32.9	522	28
DEKALB	DKC47-54 RIB CK	STX,B	97	152.1	27.4	4	32.9	485	39



Mark Tollefson

mark.tollefson@firstseedtests.com, (507) 456-2357

Averages = **169.8** **27.0** **2** **32.9** **544**

LSD (0.10) = 20.1 1.8 2

LSD (0.25) = 10.5 0.9 1

C.V. = 11.2

**Yield & Income Factors:** Base Moisture = 15.0% Shrink = 1.2 Drying = \$0.025 Prices: GMO = \$3.50

## 2019 Corn - South Dakota Northeast [ SDNE ]

### Early-Season Test Products (45 Total)

Company/Brand	Product/Brand	Technology	RM
DAHLMAN	R47-26VT2PRIB GC	VT2P,B	94
DAHLMAN	R48-28VT2PRIB GC	VT2P,B	95
DAIRYLAND	DS-3518AMXT	AMXT,B	95
DAIRYLAND	DS-3550AM	AM	95
DAIRYLAND	DS-7294A	3220	94
DEKALB	DKC47-54 RIB CK	STX,B	97
FEDERAL	4185VT2PRIB	VT2P,B	91
FEDERAL	4190VT2PRIB	VT2P,B	91
FEDERAL	4300VT2P	VT2P	93
FEDERAL	4440VT2PRIB	VT2P,B	94
FEDERAL	4580VT2PRIB	VT2P,B	95
GOLDEN HARVEST	G90Y04-3220A-EZR	3220,A,B	92
GOLDEN HARVEST	G91V51-3110A	3110,A	91
GOLDEN HARVEST	G95D32-3220-EZR	3220,B	95
HEFTY	H4132VT2P	VT2P	91
HEFTY	H4222VT2PRIB	VT2P,B	92
HEFTY	H4322VT2PRIB	VT2P,B	93
HEFTY	H4332VT2P	VT2P	93
HEFTY	H4522VT2PRIB	VT2P,B	95
HEINE	6200VT2PRORIB	VT2P,B	95
HEINE	6225STX	STX	95
HEINE	6230	NA	95
HEINE	EXP 6100	VT2P	93
HEINE	EXP 6150	VT2P	94
INTEGRA	4119	VT2P,B	91
INTEGRA	4342	VT2P,B	93
INTEGRA	4509	VT2P,B	95
INTEGRA	CX901094	VT2P	94
LATHAM	EX 4123 3010	3010	91
LATHAM	LH4375VT2PRIB	VT2P,B	93
LATHAM	LH4437VT2PRIB	VT2P,B	94
LATHAM	LH4454VT2PRIB	VT2P,B	94
LATHAM	LH4517VT2PRIB	VT2P,B	95
NK BRAND	NK9175-3110A	3110,A	91
NK BRAND	NK9227-3220A-EZR	3220,A,B	92
PIONEER	P9188AMXT GC	AMXT	91

Company/Brand	Brand/Product	Technology	RM
RENK	RK433VT2P	VT2P	92
RENK	RK561DGV2P	VT2P,DG	95
THUNDER	6094 VT2P	VT2P,B	94
THUNDER	6595 VT2P	VT2P,B	95
THUNDER	6791 VT2P	VT2P,B	91
THUNDER	6992 VT2P	VT2P,B	92
THUNDER	6993 VT2P	VT2P,B	93
TITAN PRO	82-95 2P GC	VT2P,B	95
TITAN PRO	90-94 2P GC	VT2P,B	94

## 2019 Corn - South Dakota Northeast [ SDNE ]

### Full-Season Test Products (45 Total)

Company/Brand	Product/Brand	Technology	RM
DAIRYLAND	DS-3519AM	AM,B	96
DAIRYLAND	DS-3715AM	AM,B	98
DAIRYLAND	DS-3750AM	AM	97
DAIRYLAND	DS-3810AM	AM	98
DAIRYLAND	DS-4019AM	AM,B	99
DEKALB	DKC47-54 RIB CK	STX,B	97
DEKALB	DKC50-08RIB GC	STX,B	100
DYNA-GRO	D39VC40	VT2P	98
FEDERAL	4680VT2PRIB	VT2P,B	96
FEDERAL	4800VT2P	VT2P,B	98
FEDERAL	4880VT2PRIB	VT2P,B	98
FEDERAL	4990VT2PRIB	VT2P,B	99
FEDERAL	4999VT2PRIB	VT2P,B	99
GOLDEN HARVEST	G00H12-3010	3010	100
GOLDEN HARVEST	G97N86-3220-EZR	3220,B	97
GOLDEN HARVEST	G98L17-3000GT	3000GT	98
HEFTY	H4612VT2PRIB	VT2P,B	96
HEFTY	H4732VT2P	VT2P	97
HEFTY	H4812VT2PRIB	VT2P,B	98
HEFTY	H4922VT2PRIB	VT2P,B	99
HEFTY	H4933VT2PDGRIB	VT2P,DG,B	99
HEINE	6500VT2PRO	VT2P	99
HEINE	7000STX	STX	100
HEINE	EXP 6550	VT2P	99
HEINE	EXP 7010	VT2P	100
INTEGRA	4782	VT2P,B	97
INTEGRA	4888	STX,B	98
INTEGRA	5081	VT2P,DG,B	100
LATHAM	EX 5035 VT2P	VT2P	100
LATHAM	LH4657VT2PRIB	VT2P,B	96
LATHAM	LH4937VT2PRIB	VT2P,B	99
LATHAM	LH5025VT2PDGRIB	VT2P,DG,B	100
LATHAM	LH5377VT2PRIB	VT2P,B	100
NK BRAND	NK9610-3010	3010	96
NK BRAND	NK9659-3120-EZR	3120,B	96
NK BRAND	NK9930-3010	3010	99

Company/Brand	Brand/Product	Technology	RM
PIONEER	P9998AMXT GC	AMXT,AQ,B	99
PROSEED	1996VT2PRIB GC	VT2P,B	96
RENK	RK579DGV2P	VT2P,DG,B	98
RENK	RK587VT2P	VT2P,B	97
RENK	RK593VT2P	VT2P	96
RENK	RK608DGV2P	VT2P,DG,B	100
THUNDER	6098 VT2P	VT2P,B	98
THUNDER	6996 VT2P	VT2P,B	96
THUNDER	6999 VT2P	VT2P,B	99

## 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® 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® TRIsect (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.