

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

## 2019 Corn Grain Top 30 Harvest Report

South Dakota Northeast [SDNE] MANSFIELD, SD  
Chris Fischbach, Spink County, SD

<b>Early-Season Test</b>	91 - 95 Day CRM B2019SDNE06a
<b>Top 30 of 45</b>	For Gross Income (Sorted by Yield) Average of (3) Replications
<b>PREV. CROP/HERB:</b>	Corn / Roundup
<b>SOIL DESCRIPTION:</b>	Great Bend-Beotia silt loam, well drained, non-irrigated
<b>SOIL CONDITION:</b>	No-Till, very high P, very high K, 5.2 pH, 4.8% OM, 22.0 CEC
<b>PEST MANAGEMENT:</b>	Roundup. Atrazine, Sure Start li, Banvel
<b>FERTILITY - Applied N:</b>	176 Spring
<b>Applied N-P-K (units):</b>	176-0-0
<b>SEEDED - RATE - ROW:</b>	May 16 0.0 /A 30" spacing
<b>HARVESTED - STAND:</b>	Nov 13 32.6 /A

### TEST COMMENTS:

Real nice looking plot early and good emergence. Heavy rains in June that made the plot uneven from the excess water. Harvest showed good stalk health. Much more consistent plant health than was expected in the end of June. Grain moistures remain much higher than desired as fall weather remains cool and damp. Due to high same product rep-to-rep variability, the early-season test was rejected.

Company/Brand	Product/Brand	Yield T/HA	Moisture %	Logging %	Stand in 2019	Gross Income \$/Acre	Rank
TITAN PRO	80-86 2P 0C	236.1	23.2	1	32.8	708	1
LATHAM	440V1V2P0M8	235.8	24.8	1	32.4	708	3
FEDERAL	440V2V2P0M8	235.5	24.8	1	32.4	704	4
FEDERAL	440V1V2P	235.4	23.7	1	31.4	740	2
DUNFORD	05 05000	218.8	22.8	1	31.4	716	5
GOLDEN HARVEST	05V1V1 210A	217.1	23.7	1	32.8	706	7
HEINE	EXP 4100	214.6	24.6	1	32.4	700	9
THUNDER	800 V2P	214.4	22.2	1	32.4	712	6
HEINE	8200	214.1	24.9	1	32.8	698	10
THUNDER	800 V2P	213.9	24.1	1	32.4	693	17
FEDERAL	440V2V2P0M8	211.8	24.1	1	32.4	678	20
INTEGRA	410	211.7	24.1	1	32.4	698	11
LATHAM	440V1V2P0M8	211.2	22.3	1	32.8	702	8
GOLDEN HARVEST	05V1V1 210A	211.1	24.3	1	32.8	691	14
INTEGRA	05V1V1 210A	211.1	24.0	1	32.4	692	13
DUNFORD	05 05000	211.1	23.3	1	31.8	695	12
THUNDER	800 V2P	208.4	24.8	1	32.4	678	19
PIONEER	PERFORMANCE 0C	208.1	22.7	1	32.4	698	15
MR BRAND	MR075 210A	207.8	22.8	1	32.4	698	16
HEFTY	HEFTYV2P	207.5	23.3	1	32.4	693	18
FEDERAL	410V2V2P0M8	206.5	24.2	1	32.4	678	22
HEFTY	HEFTYV2P	205.1	23.2	1	31.8	678	21
DUNFORD	05 05000	204.5	26.1	1	32.4	698	26
HEFTY	HEFTYV2P0M8	204.4	24.8	1	32.4	693	24
HEINE	800 V2P0M8	203.7	25.8	1	32.4	698	27
TITAN PRO	80-86 2P 0C	202.8	25.4	1	32.4	698	30
HEINE	800 V2P	202.4	22.7	1	31.8	698	23
THUNDER	800 V2P	202.2	24.8	1	31.8	698	28
MR BRAND	MR075 210A 02N	201.8	24.8	1	32.4	697	29
FEDERAL	410V2V2P0M8	201.4	22.7	1	32.4	693	25
<b>Averages</b>		<b>205.6</b>	<b>24.7</b>	<b>1</b>	<b>32.6</b>	<b>670</b>	
		LSD (0.10) =	ns	1.4	ns		
		LSD (0.25) =	ns	0.7	ns		
		C.V. =	7.7				

*Mark Tollefson*

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

**Yield & Income Factors:** Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$3.50

Report Date: 11/17/2019

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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Chris Fischbach, Spink County, SD

<b>Full-Season Test</b>	96 - 100 Day CRM B2019SDNE06b
<b>Top 30 of 45</b>	For Gross Income (Sorted by Yield) Average of (3) Replications
<b>PREV. CROP/HERB:</b>	Corn / Roundup
<b>SOIL DESCRIPTION:</b>	Great Bend-Beotia silt loam, well drained, non-irrigated
<b>SOIL CONDITION:</b>	No-Till, very high P, very high K, 5.2 pH, 4.8% OM, 22.0 CEC
<b>PEST MANAGEMENT:</b>	Roundup. Atrazine, Sure Start li, Banvel
<b>FERTILITY - Applied N:</b>	176 Spring
<b>Applied N-P-K (units):</b>	176-0-0
<b>SEEDED - RATE - ROW:</b>	May 16 0.0 /A 30" spacing
<b>HARVESTED - STAND:</b>	Nov 13 32.5 /A

### TEST COMMENTS:

Real nice looking plot early and good emergence. Heavy rains in June that made the plot uneven from the excess water. Harvest showed good stalk health. Much more consistent plant health than was expected in the end of June. Grain moistures remain much higher than desired as fall weather remains cool and damp. Due to high same product rep-to-rep variability, the early-season test was rejected.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
DAIRYLAND	DS-3519AM	AM,B	96	<b>230.3</b>	23.3	1	31.9	758	1
HEFTY	H4933VT2PDGRIB	VT2P,DG,B	99	<b>228.9</b>	26.8	1	33.4	734	3
FEDERAL	4999VT2PRIB	VT2P,B	99	<b>227.3</b>	23.8	1	32.9	745	2
PROSEED	1996VT2PRIB GC	VT2P,B	96	222.3	24.7	1	32.9	724	4
THUNDER	6996 VT2P	VT2P,B	96	218.8	24.7	1	32.9	713	5
LATHAM	LH5025VT2PDGRIB	VT2P,DG,B	100	218.3	26.3	1	32.4	702	10
HEFTY	H4612VT2PRIB	VT2P,B	96	218.2	25.0	1	32.9	709	6
THUNDER	6999 VT2P	VT2P,B	99	216.5	24.2	1	32.9	708	7
LATHAM	LH4937VT2PRIB	VT2P,B	99	215.8	24.6	1	33.4	703	9
NK BRAND	NK9610-3010	3010	96	214.3	24.9	1	31.9	697	11
RENK	RK579DGV2P	VT2P,DG,B	98	213.7	26.0	1	32.4	689	14
INTEGRA	5081	VT2P,DG,B	100	213.5	27.0	1	32.9	683	17
DEKALB	DKC50-08RIB GC	STX,B	100	213.4	26.9	1	32.4	684	16
DAIRYLAND	DS-3715AM	AM,B	98	212.9	22.6	1	32.4	705	8
NK BRAND	NK9659-3120-EZR	3120,B	96	212.5	24.8	1	32.4	692	12
RENK	RK593VT2P	VT2P	96	212.5	25.7	1	32.9	687	15
DAIRYLAND	DS-3810AM	AM	98	212.4	25.1	1	33.4	690	13
THUNDER	6098 VT2P	VT2P,B	98	211.7	26.9	1	32.4	678	22
HEINE	6500VT2PRO	VT2P	99	210.7	25.5	1	32.9	682	18
FEDERAL	4680VT2PRIB	VT2P,B	96	210.7	26.4	1	31.4	678	23
DAIRYLAND	DS-3750AM	AM	97	210.5	25.9	1	31.9	679	21
HEFTY	H4812VT2PRIB	VT2P,B	98	210.1	26.1	1	32.4	677	24
LATHAM	EX 5035 VT2P	VT2P	100	209.5	26.5	1	33.4	673	25
RENK	RK608DGV2P	VT2P,DG,B	100	208.6	26.9	1	32.4	668	28
GOLDEN HARVEST	G97N86-3220-EZR	3220,B	97	208.3	24.0	1	31.4	682	19
NK BRAND	NK9930-3010	3010	99	208.2	27.1	1	33.4	666	29
HEFTY	H4732VT2P	VT2P	97	207.7	23.7	1	32.9	682	20
DYNA-GRO	D39VC40	VT2P	98	207.0	25.7	1	32.4	669	27
FEDERAL	4880VT2PRIB	VT2P,B	98	206.7	26.3	1	31.4	665	30
LATHAM	LH4657VT2PRIB	VT2P,B	96	206.3	26.0	1	33.4	665	31
DEKALB	DKC47-54 RIB CK	STX,B	97	207.2	25.6	1	33.4	670	26
				<b>Averages =</b>	<b>209.0</b>	<b>26.0</b>	<b>1</b>	<b>32.5</b>	<b>674</b>
				LSD (0.10) =	13.4	1.1	ns		
				LSD (0.25) =	7.0	0.6	ns		
				C.V. =	6.1				



Mark Tollefson

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### Yield & Income Factors:

Base Moisture = 15.0%

Shrink = 1.3

Drying = \$0.025

Prices: GMO = \$3.50

Report Date: 11/17/2019

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## 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	RK579DGVT2P	VT2P,DG,B	98
RENK	RK587VT2P	VT2P,B	97
RENK	RK593VT2P	VT2P	96
RENK	RK608DGVT2P	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® 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.