

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

2019 Corn Grain Top 30 Harvest Report

South Dakota Northeast [SDNE] CLEAR LAKE, SD
Greg Lanners, Deuel County, SD 57226

Early-Season Test	91 - 95 Day CRM B2019SDNE02a
Top 30 of 45	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Soybean / Roundup
SOIL DESCRIPTION:	Vienna-Brookings silty clay loam, well drained, non-irrigated
SOIL CONDITION:	Conventional W/O Fall Till, high P, low K, 5.3 pH, 4.6% OM, 23.2 CEC
PEST MANAGEMENT:	Force, Atrazine, Resicore, Laudis
FERTILITY - Applied N:	160.0 Fall
Applied N-P-K (units):	160-0-0
SEDED - RATE - ROW:	May 17 32.5 /A 30" spacing
HARVESTED - STAND:	Nov 19 30.8 /A

TEST COMMENTS:

We planted in May in less than ideal conditions. We lost some population in a few reps from poor spring weather. This field was wet all year and grain moistures remained high at harvest. At harvest, we had muddy conditions as frozen ground started to thaw recently. The field was a little uneven from wet conditions and yields varied in those areas.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
LATHAM	LH4437VT2PRIB	VT2P,B	94	172.6	28.2	2	32.9	547	2
FEDERAL	4185VT2PRIB	VT2P,B	91	172.1	26.5	6	32.9	553	1
DAHLMAN	R47-26VT2PRIB GC	VT2P,B	94	168.7	27.7	4	32.4	537	3
HEINE	EXP 6150	VT2P	94	168.0	34.7	6	30.5	505	7
THUNDER	6094 VT2P	VT2P,B	94	166.8	27.7	3	27.6	531	4
HEFTY	H4132VT2P	VT2P	91	164.1	26.6	4	31.9	527	5
LATHAM	LH4517VT2PRIB	VT2P,B	95	162.4	30.3	7	32.9	506	6
FEDERAL	4300VT2P	VT2P	93	156.4	28.6	5	33.4	494	8
INTEGRA	4509	VT2P,B	95	154.9	36.8	3	32.4	458	17
NK BRAND	NK9175-3110A	3110,A	91	153.7	32.3	5	30.0	471	13
FEDERAL	4190VT2PRIB	VT2P,B	91	152.8	28.6	3	31.0	483	9
FEDERAL	4440VT2PRIB	VT2P,B	94	152.8	33.8	4	32.9	463	16
INTEGRA	CX901094	VT2P	94	151.8	27.9	8	32.9	482	10
INTEGRA	4119	VT2P,B	91	151.8	30.8	6	32.9	471	14
TITAN PRO	82-95 2P GC	VT2P,B	95	150.2	33.1	8	32.9	458	18
LATHAM	EX 4123 3010	3010	91	150.2	27.6	2	27.6	478	11
LATHAM	LH4454VT2PRIB	VT2P,B	94	149.4	33.9	5	31.9	452	23
DAIRYLAND	DS-3550AM	AM	95	148.9	27.8	37	33.4	473	12
HEFTY	H4222VT2PRIB	VT2P,B	92	148.7	32.5	3	33.4	455	22
LATHAM	LH4375VT2PRIB	VT2P,B	93	148.4	28.7	7	31.0	469	15
HEFTY	H4332VT2P	VT2P	93	147.1	30.8	9	32.9	457	20
HEINE	6230	NA	95	147.0	30.6	3	31.5	457	21
THUNDER	6993 VT2P	VT2P,B	93	145.5	29.1	2	31.9	458	19
RENK	RK561DGV2P	VT2P,DG	95	145.1	32.7	4	30.9	444	24
THUNDER	6992 VT2P	VT2P,B	92	142.2	30.8	4	30.5	441	26
DAHLMAN	R48-28VT2PRIB GC	VT2P,B	95	141.7	34.3	5	31.5	428	30
TITAN PRO	90-94 2P GC	VT2P,B	94	140.5	29.1	2	32.9	442	25
HEFTY	H4322VT2PRIB	VT2P,B	93	140.2	31.6	6	32.9	432	28
RENK	RK433VT2P	VT2P	92	139.9	31.5	5	31.0	432	29
THUNDER	6791 VT2P	VT2P,B	91	139.2	29.3	1	20.3	437	27
DEKALB	DKC47-54 RIB CK	STX,B	97	135.6	31.9	2	28.1	417	33



Mark Tollefson

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Averages = **144.1** **31.5** **6** **30.8** **445**
 LSD (0.10) = 22.1 2.7 5
 LSD (0.25) = 11.6 1.4 3
 C.V. = 14.6

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

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Full-Season Test	96 - 100 Day CRM B2019SDNE02b
Top 30 of 45	For Gross Income (Sorted by Yield) Average of (2) Replications
PREV. CROP/HERB:	Soybean / Roundup
SOIL DESCRIPTION:	Vienna-Brookings silty clay loam, well drained, non-irrigated
SOIL CONDITION:	Conventional W/O Fall Till, high P, low K, 5.3 pH, 4.6% OM, 23.2 CEC
PEST MANAGEMENT:	Force, Atrazine, Resicore, Laudis
FERTILITY - Applied N:	160.0 Fall
Applied N-P-K (units):	160-0-0
SEDED - RATE - ROW:	May 17 32.5 /A 30" spacing
HARVESTED - STAND:	Nov 19 28.6 /A

TEST COMMENTS:

We planted in May in less than ideal conditions. We lost some population in a few reps from poor spring weather. This field was wet all year and grain moistures remained high at harvest. At harvest, we had muddy conditions as frozen ground started to thaw recently. The field was a little uneven from wet conditions and yields varied in those areas.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
FEDERAL	4999VT2PRIB	VT2P,B	99	160.5	33.3	4	30.5	488	1
HEFTY	H4812VT2PRIB	VT2P,B	98	153.4	36.8	3	22.2	453	2
RENK	RK593VT2P	VT2P	96	151.5	36.1	7	32.0	450	3
THUNDER	6996 VT2P	VT2P,B	96	149.9	36.4	13	32.7	445	4
RENK	RK587VT2P	VT2P,B	97	136.1	36.7	4	29.8	403	7
HEINE	EXP 6550	VT2P	99	135.8	34.4	16	26.2	410	5
FEDERAL	4880VT2PRIB	VT2P,B	98	134.0	34.0	10	32.7	405	6
HEFTY	H4612VT2PRIB	VT2P,B	96	132.8	39.5	17	31.2	384	10
NK BRAND	NK9930-3010	3010	99	129.1	30.5	10	32.0	402	8
HEINE	EXP 7010	VT2P	100	129.0	39.0	4	26.9	374	13
HEINE	6500VT2PRO	VT2P	99	128.0	37.1	7	24.0	377	11
NK BRAND	NK9659-3120-EZR	3120,B	96	126.0	30.9	9	28.3	391	9
PROSEED	1996VT2PRIB GC	VT2P,B	96	124.3	36.1	4	31.2	369	14
GOLDEN HARVEST	G00H12-3010	3010	100	121.8	31.6	7	29.8	376	12
THUNDER	6098 VT2P	VT2P,B	98	121.0	36.8	4	28.3	358	15
LATHAM	LH5377VT2PRIB	VT2P,B	100	120.1	38.0	5	25.4	351	17
DAIRYLAND	DS-3810AM	AM	98	120.0	39.5	4	32.7	346	21
DAIRYLAND	DS-4019AM	AM,B	99	119.7	38.9	7	26.2	348	20
THUNDER	6999 VT2P	VT2P,B	99	119.2	37.1	4	28.3	351	18
DYNA-GRO	D39VC40	VT2P	98	118.8	39.3	10	29.8	344	23
HEFTY	H4732VT2P	VT2P	97	118.2	38.9	7	26.9	343	24
LATHAM	LH4937VT2PRIB	VT2P,B	99	117.0	35.5	3	27.6	350	19
INTEGRA	4782	VT2P,B	97	114.5	39.0	5	26.2	332	27
NK BRAND	NK9610-3010	3010	96	114.2	29.8	5	29.1	357	16
FEDERAL	4990VT2PRIB	VT2P,B	99	114.0	39.0	15	33.4	331	28
DEKALB	DKC50-08RIB GC	STX,B	100	113.6	40.4	7	30.5	325	31
FEDERAL	4800VT2P	VT2P,B	98	113.4	38.2	5	26.2	331	29
RENK	RK579DGV2P	VT2P,DG,B	98	112.8	39.2	13	31.9	327	30
DAIRYLAND	DS-3519AM	AM,B	96	110.5	29.8	3	26.2	346	22
DAIRYLAND	DS-3715AM	AM,B	98	106.8	28.3	13	29.8	338	25
DEKALB	DKC47-54 RIB CK	STX,B	97	112.0	35.9	3	29.1	334	26



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Averages =	117.9	36.7	6	28.6	349
LSD (0.10) =	17.9	3.2	ns		
LSD (0.25) =	9.4	1.7	ns		
C.V. =	11.7				

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

[^] 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.