

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

2019 Corn Grain Top 30 Harvest Report

South Dakota Northeast [SDNE] BATH, SD
Scott Sperry, Brown County, SD 57427

Early-Season Test	91 - 95 Day CRM B2019SDNE04a
Top 30 of 45	For Gross Income (Sorted by Yield) Average of (2) Replications
PREV. CROP/HERB:	Soybean / Force.Harness Xtra, atrazine, Sterling Blue
SOIL DESCRIPTION:	Great-Bend silt loam, moderately drained, non- irrigated
SOIL CONDITION:	Strip-Till, very high P, very high K, 5.6 pH, 5.3% OM, 20.1 CEC
PEST MANAGEMENT:	Roundup Weathermax, Authority Mtz, Sharpen
FERTILITY - Applied N:	156 Spring
Applied N-P-K (units):	156-100-0
SEEDED - RATE - ROW:	May 16 32.5 /A 30" spacing
HARVESTED - STAND:	Nov 10 32.4 /A

TEST COMMENTS:

We planted on May 16, and emergence was good. In June, we had some standing water and part of the plot and the early season test didn't get sprayed. At harvest the standing water was back on the edges of early season test. The early season test had more variable results from water damaged plots, and 1 replicate was dropped. Grain moistures were the mid twenties and up, and our host farmer said he thinks the area has 70 percent of the corn left to harvest.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
DAIRYLAND	DS-3550AM	AM	95	242.6	27.9	1	33.4	771	1
RENK	RK561DGV2P	VT2P,DG	95	237.6	25.2	1	33.4	771	2
HEFTY	H4222VT2PRIB	VT2P,B	92	234.6	24.2	1	32.0	767	3
INTEGRA	4119	VT2P,B	91	234.0	23.9	1	32.7	767	4
FEDERAL	4190VT2PRIB	VT2P,B	91	230.2	21.8	1	32.7	767	5
HEFTY	H4132VT2P	VT2P	91	227.7	22.6	1	32.7	754	6
THUNDER	6094 VT2P	VT2P,B	94	227.7	23.8	1	32.0	747	8
LATHAM	LH4375VT2PRIB	VT2P,B	93	226.5	22.3	1	32.7	751	7
HEFTY	H4332VT2P	VT2P	93	224.0	25.6	1	32.7	725	9
LATHAM	LH4437VT2PRIB	VT2P,B	94	222.5	25.0	1	32.0	723	10
LATHAM	LH4454VT2PRIB	VT2P,B	94	219.1	25.5	1	33.4	709	12
HEINE	EXP 6150	VT2P	94	218.9	24.7	1	33.4	713	11
THUNDER	6993 VT2P	VT2P,B	93	214.9	23.3	1	31.2	707	13
FEDERAL	4300VT2P	VT2P	93	214.8	23.7	1	41.4	705	15
GOLDEN HARVEST	G91V51-3110A	3110,A	91	214.1	22.9	1	31.2	707	14
THUNDER	6791 VT2P	VT2P,B	91	212.9	23.2	1	29.1	702	16
THUNDER	6992 VT2P	VT2P,B	92	210.6	24.7	1	31.2	686	19
INTEGRA	CX901094	VT2P	94	210.2	23.6	1	32.7	691	17
FEDERAL	4185VT2PRIB	VT2P,B	91	209.8	23.8	1	32.7	688	18
FEDERAL	4580VT2PRIB	VT2P,B	95	207.5	24.6	1	33.4	677	21
RENK	RK433VT2P	VT2P	92	207.3	23.4	1	31.2	682	20
DAHLMAN	R48-28VT2PRIB GC	VT2P,B	95	205.2	25.8	1	33.4	663	23
LATHAM	EX 4123 3010	3010	91	202.9	22.0	1	32.7	675	22
NK BRAND	NK9227-3220A-EZR	3220,A,B	92	202.4	25.1	1	30.5	657	24
FEDERAL	4440VT2PRIB	VT2P,B	94	199.0	27.0	1	33.4	637	27
HEFTY	H4322VT2PRIB	VT2P,B	93	196.4	22.8	1	32.7	649	25
HEINE	6200VT2PRORIB	VT2P,B	95	192.4	24.1	1	33.4	630	28
LATHAM	LH4517VT2PRIB	VT2P,B	95	185.8	23.4	1	32.7	611	29
HEFTY	H4522VT2PRIB	VT2P,B	95	183.5	25.7	1	30.5	593	30
INTEGRA	4342	VT2P,B	93	178.6	22.6	1	31.2	591	31
DEKALB	DKC47-54 RIB CK	STX,B	97	199.5	26.6	1	30.5	641	26
				Averages =	197.2	24.3	1	32.4	645
				LSD (0.10) =	37.0	1.9	ns		
				LSD (0.25) =	19.3	1.0	ns		
				C.V. =	14.4				



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

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South Dakota Northeast [SDNE] BATH, SD
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Full-Season Test	96 - 100 Day CRM B2019SDNE04b
Top 30 of 45	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Soybean / Force.Harness Xtra, atrazine, Sterling Blue
SOIL DESCRIPTION:	Great-Bend silt loam, moderately drained, non- irrigated
SOIL CONDITION:	Strip-Till, very high P, very high K, 5.6 pH, 5.3% OM, 20.1 CEC
PEST MANAGEMENT:	Roundup Weathermax, Authority Mtz, Sharpen
FERTILITY - Applied N:	156 Spring
Applied N-P-K (units):	156-100-0
SEEDED - RATE - ROW:	May 16 32.5 /A 30" spacing
HARVESTED - STAND:	Nov 10 32.7 /A

TEST COMMENTS:

We planted on May 16, and emergence was good. In June, we had some standing water and part of the plot and the early season test didn't get sprayed. At harvest the standing water was back on the edges of early season test. The early season test had more variable results from water damaged plots, and 1 replicate was dropped. Grain moistures were the mid twenties and up, and our host farmer said he thinks the area has 70 percent of the corn left to harvest.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
DAIRYLAND	DS-3519AM	AM,B	96	248.9	23.6	1	32.9	818	1
PROSEED	1996VT2PRIB GC	VT2P,B	96	236.3	25.8	1	33.4	763	2
RENK	RK593VT2P	VT2P	96	234.3	26.0	1	33.4	755	3
THUNDER	6999 VT2P	VT2P,B	99	226.9	26.2	1	32.4	731	4
DAIRYLAND	DS-3810AM	AM	98	226.1	27.0	1	33.4	724	5
LATHAM	EX 5035 VT2P	VT2P	100	224.3	29.7	1	33.4	702	9
NK BRAND	NK9659-3120-EZR	3120,B	96	224.1	27.2	1	33.4	716	7
NK BRAND	NK9610-3010	3010	96	223.0	26.1	1	32.9	719	6
LATHAM	LH4657VT2PRIB	VT2P,B	96	222.0	26.3	1	33.4	714	8
FEDERAL	4999VT2PRIB	VT2P,B	99	219.8	28.7	1	33.4	694	12
LATHAM	LH4937VT2PRIB	VT2P,B	99	219.6	28.0	1	32.9	697	10
INTEGRA	4888	STX,B	98	216.1	30.8	1	31.9	671	21
HEFTY	H4732VT2P	VT2P	97	215.7	25.8	1	31.5	697	11
RENK	RK587VT2P	VT2P,B	97	215.2	26.2	1	31.9	693	13
HEFTY	H4922VT2PRIB	VT2P,B	99	214.8	26.4	1	32.9	691	14
HEFTY	H4612VT2PRIB	VT2P,B	96	214.7	28.3	1	33.4	680	16
LATHAM	LH5025VT2PDGRIB	VT2P,DG,B	100	214.0	33.1	1	32.4	652	30
HEINE	EXP 7010	VT2P	100	213.4	29.0	1	33.4	672	19
GOLDEN HARVEST	G00H12-3010	3010	100	212.3	28.4	1	32.9	672	20
HEINE	EXP 6550	VT2P	99	211.9	28.9	1	33.4	668	22
RENK	RK579DGVT2P	VT2P,DG,B	98	211.8	31.6	1	33.4	653	29
HEFTY	H4933VT2PDGRIB	VT2P,DG,B	99	211.7	31.1	1	31.9	656	27
FEDERAL	4880VT2PRIB	VT2P,B	98	210.4	27.1	1	32.4	673	18
FEDERAL	4680VT2PRIB	VT2P,B	96	210.4	27.9	1	32.4	668	23
HEINE	6500VT2PRO	VT2P	99	209.8	28.5	1	32.9	664	24
DAIRYLAND	DS-3715AM	AM,B	98	208.0	25.2	1	32.4	675	17
HEFTY	H4812VT2PRIB	VT2P,B	98	206.8	27.3	1	32.4	660	25
INTEGRA	4782	VT2P,B	97	206.2	27.6	1	32.9	657	26
DAIRYLAND	DS-3750AM	AM	97	205.7	27.4	1	32.4	656	28
GOLDEN HARVEST	G97N86-3220-EZR	3220,B	97	205.2	28.7	1	32.9	648	31
DEKALB	DKC47-54 RIB CK	STX,B	97	215.0	27.7	1	32.4	684	15

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Averages =	210.0	29.1	1	32.7	662
LSD (0.10) =	16.6	2.0	ns		
LSD (0.25) =	8.7	1.1	ns		
C.V. =	7.5				

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 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®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.