

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

2019 Corn Grain Top 30 Harvest Report

South Dakota Southeast [SDSE] DELL RAPIDS, SD
Levi Brown, Minnehaha County, SD 57022

Early-Season Test	98 - 102 Day CRM B2019SDSE09a
Top 30 of 60	For Gross Income (Sorted by Yield) Average of (4) Replications
PREV. CROP/HERB:	Soybean / NA
SOIL DESCRIPTION:	Moody-Trent silty clay loam, non-irrigated
SOIL CONDITION:	Strip-Till, very high P, very high K, 5.8 pH, 4.9% OM, 24.9 CEC
PEST MANAGEMENT:	Force, Singer, Tripleflex, Roundup, Callisto
FERTILITY - Applied N:	175 Spring
Applied N-P-K (units):	175-50-40
SEEDED - RATE - ROW:	May 6 32.5 /A 30" spacing
HARVESTED - STAND:	Nov 15 32.8 /A

TEST COMMENTS:

This site was not planted until June. Many of the surrounding corn fields were planted in June as it was a really tough year. The early season varieties matured better and moistures varied in the high 20's. We knew the late season test was much wetter, but we planted it knowing the farmer could feed to his cattle. We saw a lot of green snap in this field and most of high lodging scores were related to the amount of green snap.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
WYFFELS	W2196RIB	VT2P,B	99	217.1	27.7	6	33.4	691	1
LATHAM	LH4937VT2PRIB	VT2P,B	99	212.0	25.2	4	33.0	688	2
THUNDER	6999 VT2P	VT2P,B	99	210.9	25.3	5	33.0	683	3
LATHAM	LH4830	None	98	207.9	27.4	6	31.6	663	4
VIKING	44-98	None	98	205.7	29.8	5	32.3	644	7
VIKING	46-96	None	96	201.3	26.8	3	33.4	645	6
DAIRYLAND	DS-3715AM	AM,B	98	200.8	23.5	3	32.3	660	5
HEFTY	H4933VT2PDGRIB	VT2P,DG,B	99	199.9	28.4	3	33.0	633	9
NK BRAND	NK0243-3120-EZR	3120,B	102	199.2	28.5	7	32.3	630	10
WYFFELS	W2506RIB	VT2P,B	101	197.7	29.2	5	33.0	622	12
HEINE	6500VT2PRO	VT2P	99	197.5	25.1	7	33.4	641	8
THUNDER	6902 VT2P	VT2P,B	102	197.5	30.9	4	32.3	612	13
RENK	RK587VT2P	VT2P,B	97	195.6	27.3	3	32.3	625	11
DAIRYLAND	DS-3810AM	AM	98	192.0	27.4	7	32.3	612	14
TITAN PRO	70-98	None	98	191.7	28.6	7	33.0	606	15
MILLER HYBRIDS	M98-70	None	99	190.1	28.8	2	32.3	600	17
DAIRYLAND	DS-4019AM	AM,B	99	189.6	27.3	3	31.6	605	16
WYFFELS	W2236	VT2P	99	188.9	28.4	5	33.4	598	18
HEFTY	H5212VT2PRIB	VT2P,B	102	188.0	32.2	4	32.7	577	20
RENK	RK579DGV2P	VT2P,DG,B	98	185.5	31.5	7	33.4	573	22
NK BRAND	NK9930-3010	3010	99	184.4	26.4	9	33.0	593	19
REA	5A010	STX,B	101	183.1	29.8	5	33.4	573	23
DEKALB	DKC50-08RIB GC	STX,B	100	180.7	30.9	3	33.4	561	24
TITAN PRO	84-01	None	101	179.7	32.5	9	33.0	550	29
GOLDEN HARVEST	G00H12-3010	3010	100	179.2	26.1	6	33.4	577	21
GOLDEN HARVEST	G02K39-3120-EZR	3120,B	102	176.5	30.2	8	32.7	551	28
HEFTY	H5132VT2P	VT2P	101	175.5	27.8	9	33.4	558	26
HEINE	7000STX	STX	100	175.4	28.0	5	33.0	557	27
HEFTY	H4922VT2PRIB	VT2P,B	99	174.7	26.7	6	33.4	561	25
HEINE	EXP 7010	VT2P	100	172.1	27.8	8	33.0	547	30
DEKALB	DKC55-53RIB CK	STX,B	105	149.3	37.1	6	32.7	440	58



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Averages = **174.7** **29.8** **6** **32.8** **548**

LSD (0.10) = 17.9 1.7 5

LSD (0.25) = 9.4 0.9 3

C.V. = 11.2

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

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2019 Corn Grain Top 30 Harvest Report

South Dakota Southeast [SDSE] DELL RAPIDS, SD
Levi Brown, Minnehaha County, SD 57022

Full-Season Test	103 - 107 Day CRM B2019SDSE09b
Top 30 of 56	For Gross Income (Sorted by Yield) Average of (4) Replications
PREV. CROP/HERB:	Soybean / NA
SOIL DESCRIPTION:	Moody-Trent silty clay loam, non-irrigated
SOIL CONDITION:	Strip-Till, very high P, very high K, 5.8 pH, 4.9% OM, 24.9 CEC
PEST MANAGEMENT:	Force, Singer, Tripleflex, Roundup, Callisto
FERTILITY - Applied N:	175 Spring
Applied N-P-K (units):	175-50-40
SEEDED - RATE - ROW:	May 6 32.5 /A 30" spacing
HARVESTED - STAND:	Nov 15 32.8 /A

TEST COMMENTS:

This site was not planted until June. Many of the surrounding corn fields were planted in June as it was a really tough year. The early season varieties matured better and moistures varied in the high 20's. We knew the late season test was much wetter, but we planted it knowing the farmer could feed to his cattle. We saw a lot of green snap in this field and most of high lodging scores were related to the amount of green snap.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
DAIRYLAND	DS-4580AM	AM	105	194.5	31.8	8	32.7	599	1
MILLER HYBRIDS	M05-72	None	105	191.6	33.5	8	32.3	582	4
HEINE	740VT2PRORIB	VT2P,B	103	191.0	31.4	6	33.0	590	2
LATHAM	LH5635VT2PRIB	VT2P,B	106	187.7	33.4	7	33.0	571	7
THUNDER	6905 VT2P	VT2P,B	105	187.4	35.5	13	33.0	560	8
DAIRYLAND	DS-7004RA	PC,B	104	186.9	39.8	3	33.0	538	12
GOLDEN HARVEST	G03R40-3110	3110	103	186.1	28.4	6	32.7	589	3
REA	6D054	VT2P,DG,B	105	184.3	35.7	4	32.7	549	11
LATHAM	LH5487VT2PRIB	VT2P,B	104	184.1	33.4	11	33.0	560	9
DAIRYLAND	DS-4440AM	AM,B	104	182.0	29.3	3	33.0	572	6
NK BRAND	NK0472-3110	3110	104	181.7	28.3	5	33.0	576	5
HEFTY	H5522VT2PRIB	VT2P,B	105	181.4	33.6	7	33.0	550	10
VIKING	84-05	None	105	174.9	32.8	3	32.7	534	14
PIONEER	P0688AM GC	AM,B	106	171.6	37.7	4	33.0	503	17
REA	6D042	VT2P,DG,B	104	171.4	30.2	19	33.0	535	13
THUNDER	6004 VT2P	VT2P,B	104	167.5	34.1	10	31.9	506	16
PIONEER	P0306AM GC	AM,AQ,B	103	164.6	31.8	7	33.4	507	15
HEFTY	H5624SSRIB	STX,B	106	163.6	36.3	8	32.7	485	19
REA	6B071-RIB	VT2P,B	107	162.7	42.3	15	33.0	459	25
GOLDEN HARVEST	G05K08-3010A-EXR	3010,A	105	160.1	29.8	11	33.0	501	18
VIKING	42-05	None	105	159.3	38.9	3	32.7	462	24
REA	6A050-RIB	STX,B	105	158.2	34.5	3	32.7	476	21
RENK	RK642VT2P	VT2P,B	103	156.9	31.9	5	32.3	483	20
HEINE	752VT2PRORIB	VT2P,B	105	156.7	35.6	5	33.0	468	23
NK BRAND	NK0330-3120-EZR	3120,B	103	155.7	33.5	14	32.7	473	22
VIKING	51-04	None	104	155.0	37.1	3	32.7	457	26
INTEGRA	5529	STX,B	105	152.7	37.0	16	33.0	450	28
RENK	RK737SSTX	STX,B	106	149.4	37.9	5	33.0	437	31
WYFFELS	W4196RIB	VT2P,B	105	148.3	36.4	11	32.7	440	30
INTEGRA	CX931104	VT2P	104	145.0	33.0	17	33.4	442	29
DEKALB	DKC55-53RIB CK	STX,B	105	153.5	35.8	12	33.4	457	27



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Averages =	153.0	37.7	10	32.8	451
LSD (0.10) =	18.5	3.2	8		
LSD (0.25) =	9.7	1.7	4		
C.V. =	13.3				

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

2019 Corn - South Dakota Southeast [SDSE]

Early-Season Test Products (60 Total)

Company/Brand	Product/Brand	Technology	RM
DAIRYLAND	DS-3715AM	AM,B	98
DAIRYLAND	DS-3810AM	AM	98
DAIRYLAND	DS-4000AMXT	AMXT	101
DAIRYLAND	DS-4018AM	AM,AQ,B	101
DAIRYLAND	DS-4019AM	AM,B	99
DEKALB	DKC50-08RIB GC	STX,B	100
DEKALB	DKC55-53RIB CK	STX,B	105
DYNA-GRO	D39VC40	VT2P	98
DYNA-GRO	D43VC81	VT2P	102
EPLEY	E1012SS	STX	100
EPLEY	E1040	None	100
GOLDEN HARVEST	G00H12-3010	3010	100
GOLDEN HARVEST	G02K39-3120-EZR	3120,B	102
GOLDEN HARVEST	G02W74-3000GT	3000GT	102
HEFTY	H4922VT2PRIB	VT2P,B	99
HEFTY	H4933VT2PDGRIB	VT2P,DG,B	99
HEFTY	H5003VT2PDGRIB	VT2P,DG,B	100
HEFTY	H5132VT2P	VT2P	101
HEFTY	H5212VT2PRIB	VT2P,B	102
HEINE	6500VT2PRO	VT2P	99
HEINE	7000STX	STX	100
HEINE	739VT2PRORIB	VT2P,B	102
HEINE	EXP 6550	VT2P	99
HEINE	EXP 7010	VT2P	100
INTEGRA	4888	STX,B	98
INTEGRA	5081	VT2P,DG,B	100
INTEGRA	5280	STX,B	102
LATHAM	LH4830	None	98
LATHAM	LH4937VT2PRIB	VT2P,B	99
LATHAM	LH5025VT2PDGRIB	VT2P,DG,B	100
LATHAM	LH5077VT2PRIB	VT2P,B	100
LATHAM	LH5245VT2PRIB	VT2P,B	102
MILLER HYBRIDS	M00-49	None	100
MILLER HYBRIDS	M98-70	None	99
NK BRAND	NK0243-3120-EZR	3120,B	102
NK BRAND	NK9930-3010	3010	99
REA	5A010	STX,B	101
REA	5A023-RIB	STX,B	102
REA	5A982-RIB	STX,B	98

Company/Brand	Brand/Product	Technology	RM
REA	5B984	VT2P,B	98
RENK	RK579DGV2P	VT2P,DG,B	98
RENK	RK587VT2P	VT2P,B	97
RENK	RK608DGV2P	VT2P,DG,B	100
RENK	RK621VT2P	VT2P	102
RENK	RK626SSTX	STX	102
THUNDER	6098 VT2P	VT2P,B	98
THUNDER	6902 VT2P	VT2P,B	102
THUNDER	6999 VT2P	VT2P,B	99
TITAN PRO	70-98	None	98
TITAN PRO	84-01	None	101
TITAN PRO	91-00	None	100
TITAN PRO	91-02	None	102
VIKING	44-98	None	98
VIKING	46-96	None	96
VIKING	55-02	None	102
VIKING	99-00	None	100
WYFFELS	W1636RIB	VT2P,B	96
WYFFELS	W2196RIB	VT2P,B	99
WYFFELS	W2236	VT2P	99
WYFFELS	W2506RIB	VT2P,B	101

2019 Corn - South Dakota Southeast [SDSE]

Full-Season Test Products (56 Total)

Company/Brand	Product/Brand	Technology	RM
DAIRYLAND	DS-4310AM	AM	103
DAIRYLAND	DS-4329AM	AM,B	105
DAIRYLAND	DS-4440AM	AM,B	104
DAIRYLAND	DS-4580AM	AM	105
DAIRYLAND	DS-7004RA	PC,B	104
DEKALB	DKC54-38RIB GC	STX,B	104
DEKALB	DKC55-53RIB CK	STX,B	105
GOLDEN HARVEST	G03R40-3110	3110	103
GOLDEN HARVEST	G04S19-3122-EZR	3122,B	104
GOLDEN HARVEST	G05K08-3010A-EXR	3010,A	105
HEFTY	H5432VT2P	VT2P	104
HEFTY	H5522VT2PRIB	VT2P,B	105
HEFTY	H5624SSRIB	STX,B	106
HEFTY	H5734SS	STX	107
HEFTY	H5832VT2P	VT2P	108
HEINE	740VT2PRORIB	VT2P,B	103
HEINE	752VT2PRORIB	VT2P,B	105
HEINE	7600VT2PRO	VT2P	106
HEINE	EXP 7430	STX	104
HEINE	EXP 7550	STX	106
INTEGRA	5529	STX,B	105
INTEGRA	5719	VT2P,B	107
INTEGRA	CX931104	VT2P	104
LATHAM	LH5487VT2PRIB	VT2P,B	104
LATHAM	LH5517VT2PRIB	VT2P,B	105
LATHAM	LH5635VT2PRIB	VT2P,B	106
LATHAM	LH5725VT2PRIB	VT2P,B	107
LATHAM	LH5740	None	107
MILLER HYBRIDS	M05-72	None	105
MILLER HYBRIDS	M06-27	None	106
MILLER HYBRIDS	M06-39	None	106
NK BRAND	NK0330-3120-EZR	3120,B	103
NK BRAND	NK0472-3110	3110	104
NK BRAND	NK0624-3220-EZR	3220,B	106
NORTHSTAR	NS 105-558VT2P GC	VT2P	105
PIONEER	P0306AM GC	AM,AQ,B	103
PIONEER	P0688AM GC	AM,B	106
REA	6A050-RIB	STX,B	105
REA	6A063	STX,B	106

Company/Brand	Brand/Product	Technology	RM
REA	6B071-RIB	VT2P,B	107
REA	6D042	VT2P,DG,B	104
REA	6D054	VT2P,DG,B	105
RENK	RK642VT2P	VT2P,B	103
RENK	RK710DGV2P	VT2P,DG,B	106
RENK	RK737SSTX	STX,B	106
THUNDER	6004 VT2P	VT2P,B	104
THUNDER	6905 VT2P	VT2P,B	105
TITAN PRO	91-07	None	107
TITAN PRO	TP 70-06	None	106
VIKING	42-05	None	105
VIKING	51-04	None	104
VIKING	84-05	None	105
WYFFELS	W4196RIB	VT2P,B	105
WYFFELS	W5086	VT2P	107
WYFFELS	W5516RIB	VT2P,B	108
WYFFELS	W5626RIB	VT2P,B	108

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.