

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

2019 Corn Grain Top 30 Harvest Report

South Dakota Southeast [SDSE] CLEAR LAKE, SD
Greg Lanners, Deuel County, SD 57226

Early-Season Test	98 - 102 Day CRM B2019SDSE11a
Top 30 of 60	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Soybean / Roundup
SOIL DESCRIPTION:	Vienna-Brookings silt loam, well drained, non-irrigated
SOIL CONDITION:	Conventional W/ Fall Till, high P, low K, 5.6 pH, 3.6% OM, 19.3 CEC
PEST MANAGEMENT:	Atrazine, Laudis, Resicore, Force
FERTILITY - Applied N:	160 Spring
Applied N-P-K (units):	160-50-40
SEEDED - RATE - ROW:	Jun 4 32.5 /A 30" spacing
HARVESTED - STAND:	Nov 20 32.2 /A

TEST COMMENTS:

We had no planting options left in the spring other than to move this plot next to our SDNE location in Clear Lake. Much of the SDSE region went into prevent plant acres. With luck, we hoped to get data from the early test, and the wet corn in the full-season test could be fed to cattle if it did not mature. We planted June 4, and it was wet the rest of the year. We had very high corn moistures at harvest. The grain moisture blade isn't accurate above 38%, and it was used as the baseline moisture for all plots weighed. Standing water in part of plot prevented harvest in a small area of the early test (replicate removed). Uneven plant heights from wet conditions and high grain moistures have been common in the area this fall. Some stalk lodging was present at harvest. Two replicates were usable in the full-season test.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
WYFFELS	W2236	VT2P	99	143.5	38.0	7	29.0	419	1
INTEGRA	4888	STX,B	98	141.4	38.0	17	32.4	414	2
WYFFELS	W2196RIB	VT2P,B	99	137.5	38.0	3	32.4	402	3
DAIRYLAND	DS-4019AM	AM,B	99	136.1	38.0	5	31.5	398	4
EPLEY	E1040	None	100	135.5	38.0	3	32.4	396	5
RENK	RK579DGVT2P	VT2P,DG,B	98	131.9	38.0	14	32.9	386	6
DYNA-GRO	D39VC40	VT2P	98	129.4	38.0	14	30.5	378	7
VIKING	99-00	None	100	126.0	38.0	2	32.4	369	8
HEFTY	H4933VT2PDGRIB	VT2P,DG,B	99	125.9	38.0	17	32.9	368	9
VIKING	46-96	None	96	123.9	38.0	6	31.4	362	10
LATHAM	LH5025VT2PDGRIB	VT2P,DG,B	100	123.5	38.0	9	31.9	361	11
VIKING	55-02	None	102	123.4	38.0	5	31.9	361	12
HEINE	6500VT2PRO	VT2P	99	122.3	38.0	2	33.4	358	13
REA	5B984	VT2P,B	98	121.7	38.0	11	32.4	356	15
LATHAM	LH5077VT2PRIB	VT2P,B	100	121.4	38.0	14	32.9	355	16
GOLDEN HARVEST	G02K39-3120-EZR	3120,B	102	120.8	38.0	19	32.9	353	17
HEINE	739VT2PRORIB	VT2P,B	102	120.7	38.0	3	32.9	353	18
RENK	RK587VT2P	VT2P,B	97	120.6	38.0	14	32.9	353	19
HEFTY	H5212VT2PRIB	VT2P,B	102	120.0	38.0	3	31.9	351	20
LATHAM	LH4830	None	98	118.8	38.0	10	31.9	347	21
THUNDER	6902 VT2P	VT2P,B	102	118.1	38.0	2	32.4	345	22
RENK	RK626SSTX	STX	102	117.2	38.0	2	33.4	343	23
RENK	RK608DGVT2P	VT2P,DG,B	100	117.0	38.0	4	32.4	342	24
NK BRAND	NK0243-3120-EZR	3120,B	102	115.2	38.0	22	31.9	337	25
MILLER HYBRIDS	M98-70	None	99	114.0	38.0	1	32.4	333	26
THUNDER	6098 VT2P	VT2P,B	98	113.7	38.0	5	31.9	333	27
HEINE	EXP 7010	VT2P	100	113.5	38.0	8	32.4	332	28
DAIRYLAND	DS-3810AM	AM	98	112.5	38.0	2	32.9	329	29
DAIRYLAND	DS-4000AMXT	AMXT	101	109.5	38.0	1	32.4	320	30
WYFFELS	W1636RIB	VT2P,B	96	108.9	38.0	11	29.0	319	31
DEKALB	DKC55-53RIB CK	STX,B	105	121.8	38.0	5	33.4	356	14



Mark Tollefson

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Averages =	109.7	38.0	7	32.2	321
LSD (0.10) =	21.2	ns	8		
LSD (0.25) =	11.1	ns	4		
C.V. =	18.3				

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] CLEAR LAKE, SD
Greg Lanners, Deuel County, SD 57226

Full-Season Test	103 - 107 Day CRM B2019SDSE11b
Top 30 of 56	For Gross Income (Sorted by Yield) Average of (2) Replications
PREV. CROP/HERB:	Soybean / Roundup
SOIL DESCRIPTION:	Vienna-Brookings silt loam, well drained, non-irrigated
SOIL CONDITION:	Conventional W/ Fall Till, high P, low K, 5.6 pH, 3.6% OM, 19.3 CEC
PEST MANAGEMENT:	Atrazine, Laudis, Resicore, Force
FERTILITY - Applied N:	160 Spring
Applied N-P-K (units):	160-50-40
SEEDED - RATE - ROW:	Jun 4 32.5 /A 30" spacing
HARVESTED - STAND:	Nov 20 31.4 /A

TEST COMMENTS:

We had no planting options left in the spring other than to move this plot next to our SDNE location in Clear Lake. Much of the SDSE region went into prevent plant acres. With luck, we hoped to get data from the early test, and the wet corn in the full-season test could be fed to cattle if it did not mature. We planted June 4, and it was wet the rest of the year. We had very high corn moistures at harvest. The grain moisture blade isn't accurate above 38%, and it was used as the baseline moisture for all plots weighed. Standing water in part of plot prevented harvest in a small area of the early test (replicate removed). Uneven plant heights from wet conditions and high grain moistures have been common in the area this fall. Some stalk lodging was present at harvest. Two replicates were usable in the full-season test.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
HEFTY	H5522VT2PRIB	VT2P,B	105	159.2	38.0	5	32.7	466	1
VIKING	42-05	None	105	158.6	38.0	10	30.5	464	2
THUNDER	6905 VT2P	VT2P,B	105	158.4	38.0	10	33.4	463	3
HEFTY	H5734SS	STX	107	157.3	38.0	4	33.4	460	4
WYFFELS	W4196RIB	VT2P,B	105	157.1	38.0	10	33.4	460	5
RENK	RK710DGV2P	VT2P,DG,B	106	155.1	38.0	3	33.4	454	6
HEFTY	H5832VT2P	VT2P	108	154.2	38.0	7	29.8	451	7
NK BRAND	NK0330-3120-EZR	3120,B	103	151.0	38.0	9	32.0	442	8
HEINE	EXP 7430	STX	104	150.8	38.0	7	33.4	441	9
MILLER HYBRIDS	M05-72	None	105	149.7	38.0	3	30.5	438	10
TITAN PRO	TP 70-06	None	106	149.3	38.0	5	32.0	436	11
HEINE	7600VT2PRO	VT2P	106	147.8	38.0	9	32.7	432	12
REA	6D054	VT2P,DG,B	105	142.5	38.0	7	32.7	417	13
REA	6A063	STX,B	106	141.3	38.0	4	32.7	413	14
NORTHSTAR	NS 105-558VT2P GC	VT2P	105	140.2	38.0	10	28.3	410	15
LATHAM	LH5487VT2PRIB	VT2P,B	104	139.1	38.0	4	30.5	407	16
HEINE	740VT2PRORIB	VT2P,B	103	138.7	38.0	10	32.7	406	17
GOLDEN HARVEST	G03R40-3110	3110	103	138.0	38.0	3	31.2	404	18
RENK	RK737SSTX	STX,B	106	136.7	38.0	3	32.7	400	19
INTEGRA	CX931104	VT2P	104	135.6	38.0	3	31.9	397	20
INTEGRA	5529	STX,B	105	135.6	38.0	3	31.2	397	21
NK BRAND	NK0624-3220-EZR	3220,B	106	134.1	38.0	19	29.8	392	22
PIONEER	P0306AM GC	AM,AQ,B	103	133.9	38.0	3	27.6	392	23
GOLDEN HARVEST	G05K08-3010A-EXR	3010,A	105	133.7	38.0	20	30.5	391	24
DAIRYLAND	DS-4440AM	AM,B	104	132.2	38.0	7	30.5	387	25
DAIRYLAND	DS-7004RA	PC,B	104	131.3	38.0	13	29.1	384	26
DAIRYLAND	DS-4580AM	AM	105	130.4	38.0	5	29.8	381	27
DEKALB	DKC54-38RIB GC	STX,B	104	129.8	38.0	1	31.2	380	28
THUNDER	6004 VT2P	VT2P,B	104	127.2	38.0	1	32.7	372	29
LATHAM	LH5517VT2PRIB	VT2P,B	105	126.1	38.0	5	32.0	369	30
DEKALB	DKC55-53RIB CK	STX,B	105	115.5	38.0	4	29.8	338	41



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Averages = **126.9** **38.0** **6** **31.4** **371**
 LSD (0.10) = 24.2 ns ns
 LSD (0.25) = 12.7 ns ns
 C.V. = 14.7

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

† 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 - 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
EPLBY	E1012SS	STX	100
EPLBY	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

Company/Brand	Brand/Product	Technology	RM
REA	5A010	STX,B	101
REA	5A023-RIB	STX,B	102
REA	5A982-RIB	STX,B	98
REA	5B984	VT2P,B	98
RENK	RK579DGVT2P	VT2P,DG,B	98
RENK	RK587VT2P	VT2P,B	97
RENK	RK608DGVT2P	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

Company/Brand	Brand/Product	Technology	RM
PIONEER	P0688AM GC	AM,B	106
REA	6A050-RIB	STX,B	105
REA	6A063	STX,B	106
REA	6B071-RIB	VT2P,B	107
REA	6D042	VT2P,DG,B	104
REA	6D054	VT2P,DG,B	105
RENK	RK642VT2P	VT2P,B	103
RENK	RK710DGVT2P	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.