

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

2019 Corn Grain Top 30 Harvest Report

South Dakota Southeast [SDSE] BERESFORD, SD
Jason Frick, Clay County, SD 57004

Early-Season Test	98 - 102 Day CRM B2019SDSE08a
Top 30 of 60	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Soybean / Roundup, Authority
SOIL DESCRIPTION:	Egan-Ethan-Tetonka silty clay loam, well drained, non-irrigated
SOIL CONDITION:	Minimum W/O Fall Till, very high P, medium K, 4.9 pH, 3.8% OM, 26.9 CEC
PEST MANAGEMENT:	Force, Harness Xtra, Roundup
FERTILITY - Applied N:	166 Spring
Applied N-P-K (units):	166-50-40
SEEDED - RATE - ROW:	May 18 32.5 /A 30" spacing
HARVESTED - STAND:	Nov 18 29.5 /A

TEST COMMENTS:

We planted here May 18, until rain came at 1 am. We only got 75 percent of the plot planted at that time. The next opportunity to get in this field was not until June, which was too late to finish planting. After planting, cool wet weather caused poor germination, and we lost some population in any place that held water. The plot accidentally got sprayed with Roundup and we lost all conventional products by July 1. We harvested three replications in the early season test and two in the full season test. Grain moisture have dropped into the teens, and the corn was going right into the bin. Due to water damage and herbicide injury, the replicate variation was high, and the data was rejected.

Company/Brand	Product/Brand	Yield T/HA	Moisture %	Linting %	Stand	Gross Income \$/Acre	Rank
TRUNDER	980 VTOP	102	16.0	1	30.0	593	1
WHITFIELD	980000	101	16.0	1	30.4	588	2
VENA	700TOP/CRAB	100	16.0	1	31.4	588	3
WHITFIELD	980000	99	16.0	1	31.9	587	4
98A	9800	98	16.1	1	30.8	586	5
VENA	EXP 980	100	16.0	1	31.4	587	6
VENA	980000/VTOP	99	16.0	1	31.9	587	7
98 BRAND	980000-980	99	16.0	1	31.9	586	8
98000A	980	99	16.0	1	31.9	586	9
HEFTY	980000/VTOP	99	16.0	1	31.4	581	10
TRUNDER	980 VTOP	98	16.0	1	30.0	580	11
VENA	980000/VTOP	97	16.0	1	31.0	579	12
DAFFLAND	98-980000	97	16.0	1	30.0	567	13
DAFFLAND	98-980000	97	16.0	1	30.0	566	14
HEFTY	980000/VTOP	97	16.0	1	30.0	565	15
HEFTY	980000/VTOP	97	16.0	1	30.0	565	16
VENA	980000	97	16.4	1	30.0	564	17
98000A	980	96	16.0	1	31.0	563	18
VENA	980000/VTOP	96	16.0	1	30.1	562	19
LATHAM	980000/VTOP	96	16.0	1	30.0	561	20
98A	9800	96	16.0	1	31.0	560	21
GOLDEN HARVEST	9800	96	16.0	1	30.0	559	22
DAFFLAND	98	96	16.7	1	31.4	558	23
VENA	980000/VTOP	96	16.0	1	30.0	558	24
LATHAM	980000/VTOP	96	16.0	1	30.0	551	25
VENA	980000	96	16.0	1	30.0	551	26
98A	9800	95	16.0	1	30.0	551	27
HEFTY	980000/VTOP	95	16.0	1	30.0	550	28
HEFTY	980000/VTOP	95	16.0	1	31.0	550	29
VENA	980000/VTOP	95	16.0	1	30.0	550	30
Averages		212.7	16.1	1	29.5	591	
LSD (0.10)		ns	0.4	ns			
LSD (0.25)		ns	0.2	ns			
C.V.		11.9					

Mark Tollefson

Mark Tollefson

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

Yield & Income Factors:

Base Moisture = 15.0%

Shrink = 1.2

Drying = \$0.025

Prices: GMO = \$3.50

Report Date: 11/19/2019

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 exceeded the grain moisture limit for this test. **ns** = column values not significantly different

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2019 Corn Grain Top 30 Harvest Report

South Dakota Southeast [SDSE] BERESFORD, SD
Jason Frick, Clay County, SD 57004

Full-Season Test	103 - 107 Day CRM B2019SDSE08b
Top 30 of 56	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Soybean / Roundup, Authority
SOIL DESCRIPTION:	Egan-Ethan-Tetonka silty clay loam, well drained, non-irrigated
SOIL CONDITION:	Minimum W/O Fall Till, very high P, medium K, 4.9 pH, 3.8% OM, 26.9 CEC
PEST MANAGEMENT:	Force, Harness Xtra, Roundup
FERTILITY - Applied N:	166 Spring
Applied N-P-K (units):	166-50-40
SEEDED - RATE - ROW:	May 18 32.5 /A 30" spacing
HARVESTED - STAND:	Nov 18 28.1 /A

TEST COMMENTS:

We planted here May 18, until rain came at 1 am. We only got 75 percent of the plot planted at that time. The next opportunity to get in this field was not until June, which was too late to finish planting. After planting, cool wet weather caused poor germination, and we lost some population in any place that held water. The plot accidentally got sprayed with Roundup and we lost all conventional products by July 1. We harvested three replications in the early season test and two in the full season test. Grain moisture have dropped into the teens, and the corn was going right into the bin. Due to water damage and herbicide injury, the replicate variation was high, and the data was rejected.

Company/Brand	Product/Brand	Yield Bu/A	Moisture %	Lodging %	Stand in 2000's #/Acre	Gross Income \$/Acre	Rank	
LATITUDE	LINCOLN3709H	174	206.7	16.2	1	52.4	594	1
LATITUDE	LINCOLN3709H	175	206.8	16.8	1	51.2	536	2
DARTLAND	DB-4209H	175	206.8	16.8	1	52.7	516	3
HEAVY	EXP 750	174	206.2	17.8	1	56.3	507	4
INTEGRA	800	175	202.1	16.7	1	50.5	503	5
SEA	800H	174	202.2	16.4	1	56.1	504	6
DARTLAND	DB-4209H	175	202.2	17.9	1	51.2	516	7
INTEGRA	CRONOS	174	202.3	16.5	1	50.4	504	8
WHITFIELD	800H	177	202.3	16.7	1	50.7	501	9
TRUNDER	800 VTOP	175	202.3	17.7	1	56.5	512	10
HEAVY	TRUMPETER	174	202.7	17.7	1	54.2	516	11
DARTLAND	DB-7000H	174	202.7	17.1	1	56.1	504	12
HEFTY	HEAVYTOP	177	201.1	17.2	1	51.2	504	13
INTEGRA	870	175	201.1	17.3	1	50.5	502	14
WHITFIELD	800H	175	201.2	17.8	1	51.9	508	15
SEA	800H	175	201.1	16.3	1	56.5	504	16
HEAVY	TRUMPETER	174	201.2	17.3	1	56.5	508	17
WHITFIELD	800H	174	201.2	16.8	1	56.9	508	18
LATITUDE	LINCOLN3709H	177	201.3	17.8	1	52.0	508	19
SEA	800H	175	201.3	17.1	1	56.8	512	20
LATITUDE	LINCOLN3709H	176	201.1	17.3	1	52.7	502	21
DARTLAND	DB-4209H	174	200.8	17.1	1	56.5	502	22
WHITFIELD	800H	175	200.4	16.7	1	51.9	504	23
DARTLAND	DB-4209H	175	200.9	17.8	1	56.5	512	24
SEA	800H	174	200.7	16.1	1	56.5	502	25
HEAVY	TRUMPETER	175	200.7	17.3	1	56.7	508	26
HEFTY	HEAVYTOP	178	200.8	17.5	1	55.3	504	28
HEAVY	EXP 750	174	200.8	16.9	1	56.8	504	27
TRUNDER	TRUNDER UC	175	201.1	16.7	1	54.5	508	29
HEAVY	TRUMPETER	175	199.5	16.2	1	56.5	502	30
Averages		208.5	17.2	1	28.1	592		
LSD (0.10)		ns	0.7	ns				
LSD (0.25)		ns	0.4	ns				
C.V.		12.3						

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Yield & Income Factors:

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Prices: GMO = \$3.50

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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
EPLEY	E1012SS	STX	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	LH4937VT2PRIB	VT2P,B	99
LATHAM	LH5025VT2PDGRIB	VT2P,DG,B	100
LATHAM	LH5077VT2PRIB	VT2P,B	100
LATHAM	LH5245VT2PRIB	VT2P,B	102
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
REA	5B984	VT2P,B	98

Company/Brand	Brand/Product	Technology	RM
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
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	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
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
REA	6B071-RIB	VT2P,B	107
REA	6D042	VT2P,DG,B	104

Company/Brand	Brand/Product	Technology	RM
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
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.