

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

2019 Corn Grain Top 30 Harvest Report

South Dakota Northeast [SDNE] WEBSTER, SD

Fred Zenk, Day County, SD 57274

Early-Season Test	91 - 95 Day CRM B2019SDNE05a
Top 30 of 45	For Gross Income (Sorted by Yield) Average of (2) Replications
PREV. CROP/HERB:	Barley / Roundup, Flexstar
SOIL DESCRIPTION:	Nutley-Sinai silty clay, non-irrigated
SOIL CONDITION:	No-Till, medium P, high K, 7.4 pH, 5.3% OM, 25.5 CEC
PEST MANAGEMENT:	Force, Atrazine, Laudis, Class Act, Roundup
FERTILITY - Applied N:	175 Spring
Applied N-P-K (units):	175-50-40
SEEDED - RATE - ROW:	May 14 32.5 /A 30" spacing
HARVESTED - STAND:	Nov 14 33.1 /A

TEST COMMENTS:

This plot has a gentle slope and contributed to a good start here, as excess moisture was a problem in many fields. 968 GDU 's were recorded for this area from May 24 to July 24, which is not even half of what is needed for a mature crop. Some variable results were the result of damage caused by deer and wildlife. A few plots had some green snap. Most plots were fully matured and harvested. The plot yields suffered this year, and excessive moisture was the main culprit. The full-season test data was rejected due to wildlife damage to 1 rep, and same product variability in the other 2 replicates.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
DAHLMAN	R47-26VT2PRIB GC	VT2P,B	94	173.4	22.3	4	33.4	575	1
HEINE	EXP 6100	VT2P	93	168.5	24.4	1	32.7	550	2
TITAN PRO	90-94 2P GC	VT2P,B	94	163.9	22.1	3	33.4	544	3
LATHAM	LH4454VT2PRIB	VT2P,B	94	163.7	27.5	4	33.4	522	6
INTEGRA	4119	VT2P,B	91	162.1	25.9	3	33.4	523	5
INTEGRA	4342	VT2P,B	93	160.0	24.1	3	33.4	524	4
HEINE	EXP 6150	VT2P	94	160.0	25.9	1	32.7	516	8
TITAN PRO	82-95 2P GC	VT2P,B	95	158.5	27.8	7	33.4	504	12
RENK	RK433VT2P	VT2P	92	157.4	24.4	4	32.7	514	9
HEFTY	H4222VT2PRIB	VT2P,B	92	157.4	26.4	3	32.7	506	11
THUNDER	6791 VT2P	VT2P,B	91	156.7	23.0	3	32.7	517	7
LATHAM	LH4375VT2PRIB	VT2P,B	93	155.3	23.3	3	33.4	511	10
HEFTY	H4332VT2P	VT2P	93	154.7	27.2	4	33.4	494	14
HEFTY	H4322VT2PRIB	VT2P,B	93	153.4	23.8	3	31.2	503	13
INTEGRA	4509	VT2P,B	95	152.2	29.3	4	33.4	478	21
HEFTY	H4522VT2PRIB	VT2P,B	95	150.9	27.9	3	33.4	480	19
DAHLMAN	R48-28VT2PRIB GC	VT2P,B	95	150.3	28.9	3	33.4	474	22
DAIRYLAND	DS-3550AM	AM	95	149.6	26.1	3	33.4	482	17
NK BRAND	NK9175-3110A	3110,A	91	149.5	25.3	3	33.4	485	16
FEDERAL	4580VT2PRIB	VT2P,B	95	147.4	27.9	3	33.4	469	24
FEDERAL	4190VT2PRIB	VT2P,B	91	146.7	23.9	3	32.7	481	18
THUNDER	6094 VT2P	VT2P,B	94	146.0	21.7	3	33.4	487	15
RENK	RK561DGV2P	VT2P,DG	95	146.0	29.2	3	31.9	459	27
GOLDEN HARVEST	G95D32-3220-EZR	3220,B	95	145.0	24.2	7	32.7	474	23
HEFTY	H4132VT2P	VT2P	91	144.4	22.4	3	33.4	479	20
FEDERAL	4300VT2P	VT2P	93	143.4	28.6	5	32.7	453	29
DAIRYLAND	DS-3518AMXT	AMXT,B	95	142.7	28.3	4	33.4	452	30
LATHAM	LH4517VT2PRIB	VT2P,B	95	142.0	26.7	7	33.4	455	28
INTEGRA	CX901094	VT2P	94	141.0	22.9	4	33.4	465	25
PIONEER	P9188AMXT GC	AMXT	91	140.4	22.3	9	32.7	465	26
DEKALB	DKC47-54 RIB CK	STX,B	97	129.0	29.4	3	33.4	405	39
				Averages =	142.9	25.5	4	33.1	462
				LSD (0.10) =	23.6	2.2	ns		
				LSD (0.25) =	12.4	1.1	ns		
				C.V. =	12.7				



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Yield & Income Factors:

Base Moisture = 15.0%

Shrink = 1.3

Drying = \$0.025

Prices: GMO = \$3.50

Report Date: 11/16/2019

Revised:11/16/2019

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 Grain Top 30 Harvest Report

South Dakota Northeast [SDNE] WEBSTER, SD
Fred Zenk, Day County, SD 57274

Full-Season Test	96 - 100 Day CRM B2019SDNE05b
Top 30 of 45	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Barley / Roundup, Flexstar
SOIL DESCRIPTION:	Nutley-Sinai silty clay, non-irrigated
SOIL CONDITION:	No-Till, medium P, high K, 7.4 pH, 5.3% OM, 25.5 CEC
PEST MANAGEMENT:	Force, Atrazine, Laudis, Class Act, Roundup
FERTILITY - Applied N:	175 Spring
Applied N-P-K (units):	175-50-40
SEEDED - RATE - ROW:	May 14 32.5 /A 30" spacing
HARVESTED - STAND:	Nov 14 33.0 /A

TEST COMMENTS:

This plot has a gentle slope and contributed to a good start here, as excess moisture was a problem in many fields. 968 GDU 's were recorded for this area from May 24 to July 24, which is not even half of what is needed for a mature crop. Some variable results were the result of damage caused by deer and wildlife. A few plots had some green snap. Most plots were fully matured and harvested. The plot yields suffered this year, and excessive moisture was the main culprit. The full-season test data was rejected due to wildlife damage to 1 rep, and same product variability in the other 2 replicates.



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Yield & Income Factors:

Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$3.50

Company/Brand	Product/Brand	Yield Tbu	Moisture %	Linting %	Stand	Gross Income	Rank
		bu	%	%	to 1000, %/bu	\$/bu	
GOLDEN HARVEST	GP388-320-428	32.8	27.2	3	33.4	507	1
LATHAM	L188V12P8	32.8	27.3	3	33.4	508	2
DARTLAND	DL-37088	32.8	25.9	2	33.4	507	2
FEDERAL	FE370P8-02	32.8	26.3	3	33.4	493	5
WYOMING	WY3	32.8	25.4	3	33.4	498	4
FEDERAL	FE370P8	32.8	25.7	2	33.3	494	6
NEW	NEW370P	32.8	25.2	3	33.4	498	5
HEFTY	HE370P8	32.8	26.4	2	33.4	477	12
NEW	NEW370P	32.8	25.1	3	33.3	498	5
FEDERAL	FE370P8	32.8	25.4	3	33.4	493	10
DARTLAND	DL-37088	32.8	25.1	3	33.3	498	7
HEFTY	HE370P8	32.8	25.4	3	33.4	493	11
HEFTY	HE370P8	32.8	27.0	3	33.4	476	13
HEFTY	HE370P8	32.8	27.0	3	33.4	498	10
DARTLAND	DL-37088	32.8	23.8	3	31.9	471	14
NEW	NEW370P8	32.8	25.7	3	33.4	498	10
DEVAL	DE370P8-02	32.8	25.4	2	33.3	494	10
NEW	NEW370P8	32.8	24.8	3	33.4	497	10
HEFTY	HE370P8	32.8	27.0	3	33.3	498	10
LATHAM	L188V12P8	32.8	25.1	3	33.3	492	10
GOLDEN HARVEST	GP388-320-428	32.8	25.2	4	33.4	477	10
NEW	NEW370P8	32.8	24.7	3	33.4	492	10
FEDERAL	FE370P8	32.8	25.2	3	31.9	497	11
NEW	NEW370P8	32.8	26.2	2	33.3	476	10
STAN-ARD	ST370P8	32.8	26.7	3	33.4	497	10
WYOMING	WY3	32.8	26.7	4	33.3	471	10
TRUNDER	TR370P8	32.8	27.9	4	33.4	498	11
DARTLAND	DL-37088	32.8	25.8	1	31.9	476	17
NEW BRAND	NEW370P8-02	32.8	25.3	3	33.4	493	10
TRUNDER	TR370P8	32.8	24.8	2	33.4	471	10
Averages		137.1	27.5	4	33.0	438	
LSD (0.10)		ns	2.1	ns			
LSD (0.25)		ns	1.1	ns			
C.V.		17.8					

Report Date: 11/16/2019

Revised: 11/16/2019

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† 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 - 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.