

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

2020 Corn Grain Top 30 Harvest Report

South Dakota Southeast [SDSE] IRENE, SD
Eric Mellum, Yankton County, SD

Early-Season Test	98 - 102 Day CRM B2020SDSE10a
Top 30 of 59	For Gross Income (Sorted by Yield) Average of (4) Replications
PREV. CROP/HERB:	Oat / NA
SOIL DESCRIPTION:	Clarno-Crossplain , well drained, non-irrigated
SOIL CONDITION:	Conventional W/O Fall Till, high P, medium K, 7.7 pH, 3.2% OM, 32.8 CEC
PEST MANAGEMENT:	Atrazine, Mesatrione, Dual, Veltyma
FERTILITY - Applied N:	100 Spring, 107 Sidedress, Zinc and ammonium thisolfinatate was side dressed
Applied N-P-K (units):	207-130-140
SEEDED - RATE - ROW:	May 12 32.5 /A 30" spacing
HARVESTED - STAND:	Oct 30 31.0 /A

TEST COMMENTS:

This location used oats as a cover crop in 2019. This was my wettest plot in South Dakota in June as heavy rains hit the area. We saw some variable corn heights in June and lower spots in the plot held moisture and slowed crop development. By the time harvest came, we had robust stalk health and strong yields. A few variable plot results from water damage in June affected yield. Most of the plot drained well and the early rains minimized the drought conditions that were just to the east of this location.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
DYNA-GRO	D43VC81	VT2P	102	260.8	14.6	1	31.2	913	1
REA	5B994	VT2P,B	99	258.8	14.3	1	31.4	906	2
MILLER HYBRIDS	M00-49	CONV	100	256.9	14.8	1	30.9	899	3
THUNDER	T6100 VT2P	VT2P,B	100	256.1	14.0	1	31.6	896	4
HEFTY	H5132VT2P	VT2P	101	254.5	13.8	1	31.2	890	5
DAIRYLAND	DS-4018AM	AM,AQ,B	101	252.5	14.3	1	31.6	884	6
LATHAM	LH 4989 SS RIB	STX,B	99	251.3	14.2	1	31.9	880	7
INTEGRA	5081 DGVT2PRIB	VT2PDG,B	100	249.1	14.2	1	31.9	872	8
WYFFELS	W2236RIB	VT2P,B	99	248.1	14.2	1	31.2	868	10
EPLEY	E1040	CONV	100	247.6	14.4	1	31.6	867	11
LATHAM	LH 5077 VT2P RIB	VT2P,B	100	247.4	14.3	1	31.6	866	12
HEINE	6500VT2PRIB	VT2P,B	98	247.2	14.4	1	31.6	865	13
VIKING	44-98	CONV	98	247.1	14.3	1	31.9	865	14
WYFFELS	W2506RIB	VT2P,B	101	246.7	14.2	1	31.6	863	15
MILLER HYBRIDS	M98-70	CONV	98	246.3	14.2	1	30.8	862	16
TITAN PRO	26-00	5222,B	100	245.7	14.4	1	30.9	860	17
DYNA-GRO	D40VC41	VT2P	100	245.4	14.2	1	24.7	859	18
DAIRYLAND	DS-4014Q	QR,B	100	244.7	14.2	1	31.9	856	19
NK BRAND	NK9991-5122-EZR	5122,B	99	243.3	14.6	1	30.5	852	20
DAIRYLAND	DS-4000AMXTRIB	AMXT,B	100	242.7	14.2	1	31.9	849	21
HEINE	6550VT2P	VT2P	99	241.7	14.3	1	31.2	846	22
NK BRAND	NK9930-5122-EZR	5122,B	99	241.0	14.7	1	31.2	844	23
HEINE	7010	VT2P	100	240.8	14.2	1	31.9	843	24
WYFFELS	W2198RIB	STX,B	100	240.6	14.3	1	31.2	842	25
TITAN PRO	92-99 2P	VT2P,B	99	240.4	14.3	1	31.2	841	26
GOLDEN HARVEST	G00H12-5122-EZR	5122,B	100	238.6	14.6	1	31.6	835	27
GOLDEN HARVEST	G02K39-5122-EZR	5122,B	102	237.9	14.1	1	31.9	833	28
DEKALB	DKC47-57RIB GC	STX,B	97	237.7	14.4	1	30.5	832	29
PIONEER	P9998Q GC	QR	99	236.9	14.4	1	30.1	829	30
HEFTY	H4933VT2PDGRIB	VT2PDG,B	99	235.9	14.2	1	31.2	825	31
DEKALB	DKC54-64RIB CK	STX,B	104	248.9	14.3	1	30.9	871	9

Mark Tollefson

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Averages = **236.6** **14.3** **1** **31.0** **828**

LSD (0.10) = 15.6 0.3 ns

LSD (0.25) = 8.2 0.2 ns

C.V. = 7.2

Historic yield: new site

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

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Full-Season Test	103 - 107 Day CRM B2020SDSE10b
Top 30 of 59	For Gross Income (Sorted by Yield) Average of (4) Replications
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Applied N-P-K (units):	207-130-140
SEEDED - RATE - ROW:	May 12 32.5 /A 30" spacing
HARVESTED - STAND:	Oct 30 30.5 /A

TEST COMMENTS:

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Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
LATHAM	LH 5635 VT2P RIB	VT2P,B	106	257.7	14.7	1	30.9	902	1
HEFTY	H5432VT2PRIB	VT2P,B	104	256.8	14.4	1	29.0	899	2
HI FIDELITY GENETICS	HFG1071	CONV	107	253.8	15.0	1	30.1	888	3
LATHAM	LH 5389 SS RIB	STX,B	103	252.7	14.6	1	29.8	884	4
TITAN PRO	96-06 2P	VT2P,B	106	252.3	14.8	1	30.9	883	5
REA	6A042	STX,B	104	248.1	14.4	1	31.2	868	6
TITAN PRO	82-04 2P	VT2P,B	104	246.9	14.6	1	31.2	864	7
HEINE	7570	STX	105	246.8	14.4	1	31.4	864	8
WYFFELS	W4196RIB	VT2P,B	105	246.0	14.6	1	31.2	861	9
RENK	RK726H	PC	106	243.9	15.1	1	30.9	853	11
DAIRYLAND	DS-4440AM	AM,B	104	243.3	14.9	1	30.5	851	12
REA	6D054	VT2PDG,B	105	242.9	14.7	1	30.1	850	13
TITAN PRO	24-04	PC	104	243.0	15.2	1	31.6	849	14
LATHAM	LH 5377 VT2P RIB	VT2P,B	103	242.2	14.6	1	30.5	848	15
THUNDER	T6004 VT2P	VT2P,B	104	241.5	14.3	1	31.0	845	16
REA	6B036	VT2P,B	103	241.0	14.3	1	30.1	844	17
LATHAM	LH 5487 VT2P RIB	VT2P,B	104	240.9	15.0	1	30.9	843	18
HEINE	7450	VT2P	104	240.8	14.2	1	31.0	843	19
GOLDEN HARVEST	G04G36-3111A	3111A	104	240.3	14.3	1	30.1	841	20
PIONEER	P0688Q GC	QR	106	239.8	15.0	1	30.8	839	21
HEINE	7710	VT2P	107	238.6	15.9	1	30.1	830	23
VIKING	42-05	CONV	105	237.7	15.0	1	30.1	832	22
HEFTY	H5444SS	STX	104	236.9	14.5	1	30.5	829	24
HEFTY	H5442VT2P	VT2P	104	236.7	14.3	1	30.1	828	25
RENK	RK642VT2P	VT2P,B	103	236.3	14.5	1	30.0	827	26
DEKALB	DKC54-36 GC	CONV	104	235.9	15.0	1	30.5	826	27
NK BRAND	NK0821-5122A-EZR	5122A,B	108	235.6	15.4	2	30.9	822	31
HEFTY	H5624SSRIB	STX,B	106	235.3	14.4	1	31.2	824	28
NK BRAND	NK0624-5222-EZR	5222,B	106	235.1	14.6	1	29.4	823	29
INTEGRA	5529 VT2PRIB	VT2P,B	105	235.1	14.4	1	30.0	823	30
DEKALB	DKC54-64RIB CK	STX,B	104	245.9	14.4	1	30.9	861	10

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Averages = **234.2** **14.7** **1** **30.5** **820**

LSD (0.10) = 14.7 0.4 ns

LSD (0.25) = 7.7 0.2 ns

C.V. = 6.9

Historic yield: new site

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

Report Date: 11/01/2020

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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2020 Corn - South Dakota Southeast [SDSE]

Early-Season Test Products (59 Total)

Company/Brand	Product/Brand	Technology	RM	Seed Treat.
DAIRYLAND	DS-3810Q	QR,B	98	Lum,P1V
DAIRYLAND	DS-4000AMXTRIB	AMXT,B	100	Lum,P1V
DAIRYLAND	DS-4014Q	QR,B	100	Lum,P1V
DAIRYLAND	DS-4018AM	AM,AQ,B	101	Lum,P5V
DEKALB	DKC47-57RIB GC	STX,B	97	AC,P5V,EDC-EL
DEKALB	DKC54-64RIB CK	STX,B	104	AC,P5V,EDC-EL
DYNA-GRO	D40VC41	VT2P	100	AC,P5V,EDC-B
DYNA-GRO	D43VC81	VT2P	102	AC,P5V,EDC-B
EPLEY	E1040	CONV	100	Vi5
GOLDEN HARVEST	G00H12-5122-EZR	5122,B	100	AVC,C2,Vi
GOLDEN HARVEST	G02K39-5122-EZR	5122,B	102	AVC,C2,Vi
GOLDEN HARVEST	G99E68-5122-EZR	5122,B	99	AVC,C2,Vi
HEFTY	H4842VT2P	VT2P	98	HC
HEFTY	H4922VT2PRIB	VT2P,B	99	HC
HEFTY	H4933VT2PDGRIB	VT2PDG,B	99	HC
HEFTY	H5132VT2P	VT2P	101	HC
HEFTY	H5212VT2PRIB	VT2P,B	102	HC
HEINE	6500VT2PRIB	VT2P,B	98	AC,P2
HEINE	6550VT2P	VT2P	99	AC,P5V,EDC-EL
HEINE	7000STXRIB	STX,B	100	P5V
HEINE	7010	VT2P	100	AC,P5V,EDC-B
HEINE	7200	VT2P	102	AC,P5V
HI FIDELITY GENETICS	HFG1001	CONV	100	AC,P5
INTEGRA	4888 VT2PRIB	VT2P,B	98	AC,P2,St,SU
INTEGRA	5081 DGVT2PRIB	VT2PDG,B	100	AC,P2,St,SU
INTEGRA	5280 VT2PRIB	VT2P,B	102	AC,P2,St,SU
LATHAM	LH 4989 SS RIB	STX,B	99	AC,P5V
LATHAM	LH 5047 VT2P RIB	VT2P,B	100	AC250
LATHAM	LH 5049 SS RIB	STX,B	100	AC,P5V
LATHAM	LH 5077 VT2P RIB	VT2P,B	100	AC250
MILLER HYBRIDS	M00-49	CONV	100	MSC
MILLER HYBRIDS	M98-70	CONV	98	MSC
MILLER HYBRIDS	M99-25	CONV	99	AC,P5V
NK BRAND	NK0243-5122-EZR	5122,B	102	AVC,C2,Vi
NK BRAND	NK9930-5122-EZR	5122,B	99	AVC,C5,Vi
NK BRAND	NK9991-5122-EZR	5122,B	99	AVC,C5,Vi

Company/Brand	Brand/Product	Technology	RM	Seed Treat.
PIONEER	P0075Q GC	QR	100	NA
PIONEER	P9998Q GC	QR	99	NA
REA	5B984	VT2P,B	98	AC,P5,B360
REA	5B994	VT2P,B	99	AC,P5,B360
RENK	RK600SSTX	STX,B	100	AC,P5V
RENK	RK626SSTX	STX	102	AC,P5V
RENK	RK695GTCBLLBL	3220	102	CM,C2
THUNDER	T6098 VT2P	VT2P,B	98	AC,P2
THUNDER	T6100 VT2P	VT2P,B	100	AC,P2
THUNDER	T6902 VT2P	VT2P,B	102	AC,P2
THUNDER	T6999 VT2P	VT2P,B	99	AC,P2
TITAN PRO	22-00 2P	VT2P,B	100	AC250
TITAN PRO	26-00	5222,B	100	C2
TITAN PRO	84-01 VT2PRIB	VT2P,B	101	AC250
TITAN PRO	92-99 2P	VT2P,B	99	AC250
VIKING	44-98	CONV	98	CM,C2,Sb
VIKING	52-00	CONV	100	CM,C2,Sb
VIKING	55-02	CONV	102	CM,C2,Sb
WYFFELS	W1636RIB	VT2P,B	96	AC250
WYFFELS	W2198RIB	STX,B	100	AC,P5V
WYFFELS	W2236RIB	VT2P,B	99	AC250
WYFFELS	W2506RIB	VT2P,B	101	AC250
WYFFELS	W3018	STX	102	AC,P5V

2020 Corn - South Dakota Southeast [SDSE]

Full-Season Test Products (59 Total)

Company/Brand	Product/Brand	Technology	RM	Seed Treat.
DAIRYLAND	DS-4310AMRIB	AM,B	104	Lum,P5V
DAIRYLAND	DS-4440AM	AM,B	104	Lum,P5V
DAIRYLAND	DS-4580Q	QR,B	104	Lum,P5V
DEKALB	DKC49-44RIB GC	STX,B	99	NA
DEKALB	DKC54-36 GC	CONV	104	AC,P5V,EDC-B
DEKALB	DKC54-64RIB CK	STX,B	104	AC,P5V,EDC-EL
GOLDEN HARVEST	G03R40-5222-EZR	5222,B	103	AVC,C2,Vi
GOLDEN HARVEST	G04G36-3111A	3111A	104	AVC,C2,Vi
GOLDEN HARVEST	G05K08-5122A-EZR	5122A,B	105	AVC,C2,Vi
HEFTY	H5432VT2PRIB	VT2P,B	104	HC
HEFTY	H5442VT2P	VT2P	104	HC
HEFTY	H5444SS	STX	104	HC
HEFTY	H5522VT2PRIB	VT2P,B	105	HC
HEFTY	H5624SSRIB	STX,B	106	HC
HEINE	740	VT2P,B	103	AC,P2
HEINE	7450	VT2P	104	AC,P5V,EDC-EL
HEINE	7550	STX	106	AC,P5V,EDC-EL
HEINE	7570	STX	105	AC,P5V,EDC-EL
HEINE	7710	VT2P	107	AC,P2
HI FIDELITY GENETICS	HFG1071	CONV	107	AC,P5
INTEGRA	5351 5122-EZ	5122,B	103	AVC,C2,Vi,St,SU
INTEGRA	5529 VT2PRIB	VT2P,B	105	AC,P2,St,SU
INTEGRA	5719 VT2PRIB	VT2P,B	107	AC,P2,St,SU
INTEGRA	5770 STXRIB	STX,B	107	AC,P5V,St,SU
LATHAM	LH 5377 VT2P RIB	VT2P,B	103	AC250
LATHAM	LH 5389 SS RIB	STX,B	103	AC,P5V
LATHAM	LH 5487 VT2P RIB	VT2P,B	104	AC250
LATHAM	LH 5517 VT2P RIB	VT2P,B	105	AC250
LATHAM	LH 5635 VT2P RIB	VT2P,B	106	AC250
MILLER HYBRIDS	M05-72	CONV	105	MSC
MILLER HYBRIDS	M07-02	CONV	107	AC,P5V
NK BRAND	NK0472-5222-EZR	5222,B	104	AVC,C2,Vi
NK BRAND	NK0624-5222-EZR	5222,B	106	AVC,C2,Vi
NK BRAND	NK0821-5122A-EZR	5122A,B	108	AVC,C5,Vi
PIONEER	P0421Q GC	QR,B	104	NA
PIONEER	P0688Q GC	QR	106	NA

Company/Brand	Brand/Product	Technology	RM	Seed Treat.
REA	6A042	STX,B	104	AC,PV5,B360
REA	6B036	VT2P,B	103	AC,P5,B360
REA	6B073	VT2P,B	107	AC,PV5,B360
REA	6D054	VT2PDG,B	105	AC,P5,B360
RENK	RK621VT2PRIB	VT2P,B	103	AC,P2
RENK	RK642VT2P	VT2P,B	103	AC,P2
RENK	RK700SSTX	STX	107	AC,P5V
RENK	RK710DGVT2P	VT2PDG,B	106	AC,P2
RENK	RK726H	PC	106	AC,P2
THUNDER	T6004 VT2P	VT2P,B	104	AC,P2
THUNDER	T6107 VT2P	VT2P,B	107	AC,P2
THUNDER	T6905 VT2P	VT2P,B	105	AC,P2
TITAN PRO	20-05	STX,B	105	AC250
TITAN PRO	24-04	PC	104	C2
TITAN PRO	82-04 2P	VT2P,B	104	AC250
TITAN PRO	96-06 2P	VT2P,B	106	AC250
VIKING	42-05	CONV	105	CM,C2,Sb
VIKING	51-04	CONV	104	CM,C2,Sb
VIKING	84-05	CONV	105	CM,C2,Sb
WYFFELS	W4196RIB	VT2P,B	105	AC250
WYFFELS	W4246	VT2P	105	AC250
WYFFELS	W5086RIB	VT2P,B	107	AC250
WYFFELS	W5516RIB	VT2P,B	108	AC250

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*

3111A	Agrisure® Artesian® Viptera® 3111 (Vip,CB,RW,LL,GT)
3220	Agrisure® Viptera® 3220 (Vip,CB,HX,LL,GT)
5122	Agrisure® Duracade™ 5122
5122A	Agrisure Duracade™ Artesian® 5122
5222	Agrisure® Duracade™ 5222
AM	Optimum® AcreMax®
AMXT	Optimum® AcreMax® Xtreme
AQ	Optimum® AQUAmax®
B	Blend, Refuge in a Bag (RIB) or EZ-Refuge
CONV	Conventional
PC	PowerCore™
QR	Qrome™
STX	SmartStax®
VT2P	Genuity® VT Double PRO®
VT2PDG	Genuity® VT Double PRO® DroughtGard®

*The refuge component genetics may vary in a refuge blend seed product.

Corn Seed Treatments**

NA	Not Available
AC250	Acceleron 250
AC,P2	Acceleron, Poncho 250
AC,P2,St,SU	Acceleron 250, Stamina, StepUp
AC,P5	Acceleron, Poncho 500
AC,P5,B360	Acceleron Poncho 500 with BioRise™ B-360 ST
AC,P5V	Acceleron, Poncho 500/Votivo
AC,P5V,EDC-B	Acceleron, Basic Poncho 500/Votivo with Enhanced Disease Control
AC,P5V,EDC-EL	Acceleron, ELITE Poncho 500/Votivo with Enhanced Disease Control
AC,P5V,St,SU	Acceleron Poncho 500/Votivo, Stamina, StepUp
AC,PV5,B360	Acceleron Poncho 500/Votivo with BioRise™ B-360 ST
AVC,C2,Vi	Avicta Complete 250, Vibrance
AVC,C2,Vi,St,SU	Avicta Complete 250, Vibrance, Stamina, StepUp
AVC,C5,Vi	Avicta Complete 500, Vibrance
C2	Cruiser 250
CM,C2	CruiserMaxx 250
CM,C2,Sb	CruiserMaxx 250, SabrEx Innoculant
HC	Hefty Complete
Lum,P1V	Lumigen Poncho 1250/Votivo
Lum,P5V	Lumigen Poncho 500/Votivo
MSC	Miller Hybrids ShieldCoat™, Vertex
P5V	Poncho 500/Votivo
VI5	Vibrance® Cinco

** Seed treatments may include unspecified plant health promoting components.