

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

2020 Corn Grain Top 30 Harvest Report

South Dakota Southeast [SDSE] SALEM, SD
Ernie Christensen, McCook County, SD 57048

Early-Season Test	98 - 102 Day CRM B2020SDSE08a
Top 30 of 59	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Oat / 2-4d
SOIL DESCRIPTION:	Hand-Bonilla loam, well drained, non-irrigated
SOIL CONDITION:	Conventional W/O Fall Till, very high P, very high K, 6.4 pH, 3.8% OM, 24.4 CEC
PEST MANAGEMENT:	Harness, Callisto
FERTILITY - Applied N:	200 Spring, 24-S, 2-Zn
Applied N-P-K (units):	200-80-80
SEEDED - RATE - ROW:	May 8 32.5 /A 30" spacing
HARVESTED - STAND:	Oct 28 30.9 /A

TEST COMMENTS:

We replanted the conventional hybrids on June 6th after we lost plots from a glyphosate application was applied accidentally. The replant was done manually with a push garden seeder. We repackaged seed and planted the correct seeds in each affected plot. The population and stand were not as uniform in the replanted plots. Most replants did mature and reduced sunlight variability in surrounding plots. The first 50 feet of plots were variable from possible sprayed drift or uneven fertilizer application as we noticed shorter corn and poor stalk health in that area. Strong yields for the majority of plots. The excess moisture last year helped the corn yields when the summer turned dry in the second half of the year. Results presented are for GMO hybrids only, and these results will not be included in the Region Summary.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
NK BRAND	NK9930-5122-EZR	5122,B	99	269.6	16.6	2	31.9	933	1
GOLDEN HARVEST	G00H12-5122-EZR	5122,B	100	258.5	16.3	1	30.9	896	4
HEFTY	H5132VT2P	VT2P	101	257.0	15.1	1	31.9	899	3
PIONEER	P0075Q GC	QR	100	256.8	15.9	1	31.9	893	5
DAIRYLAND	DS-4014Q	QR,B	100	254.8	15.2	1	31.4	891	6
TITAN PRO	26-00	5222,B	100	254.8	17.3	1	31.0	877	10
HEFTY	H5212VT2PRIB	VT2P,B	102	254.3	16.0	1	31.4	884	9
THUNDER	T6100 VT2P	VT2P,B	100	253.5	15.3	2	31.0	886	7
HEINE	6500VT2PRIB	VT2P,B	98	253.5	15.3	1	31.4	885	8
REA	5B994	VT2P,B	99	252.8	16.3	2	29.0	877	11
GOLDEN HARVEST	G99E68-5122-EZR	5122,B	99	252.3	16.1	1	31.4	876	12
NK BRAND	NK0243-5122-EZR	5122,B	102	251.1	16.0	1	31.4	872	15
THUNDER	T6098 VT2P	VT2P,B	98	251.0	15.4	1	31.0	876	13
PIONEER	P9998Q GC	QR	99	250.4	16.0	1	31.4	870	16
INTEGRA	5081 DGVT2PRIB	VT2PDG,B	100	250.1	15.2	1	30.0	874	14
RENK	RK695GTCBLLBL	3220	102	249.8	16.7	1	31.4	863	20
HEFTY	H4842VT2P	VT2P	98	248.5	14.9	1	30.5	870	17
HEINE	7010	VT2P	100	247.8	14.6	1	31.4	867	18
TITAN PRO	22-00 2P	VT2P,B	100	247.2	17.5	1	31.9	850	26
RENK	RK600SSTX	STX,B	100	246.9	14.5	1	31.9	864	19
DYNA-GRO	D43VC81	VT2P	102	246.3	16.8	2	30.0	851	24
INTEGRA	4888 VT2PRIB	VT2P,B	98	246.1	15.2	1	31.9	860	21
TITAN PRO	92-99 2P	VT2P,B	99	245.6	15.2	1	31.4	859	22
DYNA-GRO	D40VC41	VT2P	100	244.4	15.0	2	31.4	855	23
HEINE	7200	VT2P	102	243.7	15.3	1	30.5	851	25
WYFFELS	W2198RIB	STX,B	100	243.7	16.2	1	31.4	846	27
HEFTY	H4922VT2PRIB	VT2P,B	99	242.1	15.2	1	30.5	846	28
DAIRYLAND	DS-4018AM	AM,AQ,B	101	241.7	15.8	1	31.0	841	29
LATHAM	LH 5077 VT2P RIB	VT2P,B	100	240.3	15.3	3	31.9	839	30
GOLDEN HARVEST	G02K39-5122-EZR	5122,B	102	239.4	15.8	1	28.0	833	31
DEKALB	DKC54-64RIB CK	STX,B	104	258.9	15.6	1	31.9	902	2

Mark Tollefson

Mark Tollefson

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Averages = **241.9** **15.9** **1** **30.9** **727**

LSD (0.10) = 15.0 1.0 ns

LSD (0.25) = 7.9 0.5 ns

C.V. = 5.9

Historic yield: 191.9 bu/a, 9 yr(s)

Yield & Income Factors:

Base Moisture = 15.0%

Shrink = 1.2

Drying = \$0.025

Prices: GMO = \$3.50

Report Date: 11/03/2020

† 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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Ernie Christensen, McCook County, SD 57048

Full-Season Test	103 - 107 Day CRM B2020SDSE08b
Top 30 of 59	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Oat / Force, Roundup, Atrazine, Resicore
SOIL DESCRIPTION:	Hand-Bonilla loam, well drained, non-irrigated
SOIL CONDITION:	Conventional W/O Fall Till, very high P, very high K, 6.4 pH, 3.8% OM, 24.4 CEC
PEST MANAGEMENT:	Valor, Roundup, Selectmax
FERTILITY - Applied N:	
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 8 32.5 /A 30" spacing
HARVESTED - STAND:	Oct 28 30.9 /A

TEST COMMENTS:

We replanted the conventional hybrids on June 6th after we lost plots from a glyphosate application was applied accidentally. The replant was done manually with a push garden seeder. We repackaged seed and planted the correct seeds in each affected plot. The population and stand were not as uniform in the replanted plots. Most replants did mature and reduced sunlight variability in surrounding plots. The first 50 feet of plots were variable from possible sprayed drift or uneven fertilizer application as we noticed shorter corn and poor stalk health in that area. Strong yields for the majority of plots. The excess moisture last year helped the corn yields when the summer turned dry in the second half of the year. Results presented are for GMO hybrids only, and these results will not be included in the Region Summary.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
WYFFELS	W4196RIB	VT2P,B	105	276.2	20.9	1	31.9	926	1
WYFFELS	W5086RIB	VT2P,B	107	274.2	22.6	1	31.4	907	3
RENK	RK710DGV2P	VT2PDG,B	106	272.1	21.9	3	31.9	905	4
REA	6B036	VT2P,B	103	267.6	19.1	1	30.5	909	2
HEFTY	H5432VT2PRIB	VT2P,B	104	265.9	20.5	3	29.5	894	6
INTEGRA	5529 VT2PRIB	VT2P,B	105	265.0	20.3	1	29.5	892	7
THUNDER	T6905 VT2P	VT2P,B	105	263.7	22.0	1	29.5	877	9
LATHAM	LH 5389 SS RIB	STX,B	103	263.6	20.7	2	31.4	885	8
PIONEER	P0688Q GC	QR	106	263.4	22.3	3	31.9	874	11
REA	6D054	VT2PDG,B	105	263.1	18.4	4	31.0	898	5
INTEGRA	5351 5122-EZ	5122,B	103	262.2	21.1	1	30.9	877	10
TITAN PRO	24-04	PC	104	262.1	22.6	3	31.4	868	13
DAIRYLAND	DS-4440AM	AM,B	104	261.1	23.0	2	31.4	862	15
GOLDEN HARVEST	G04G36-3111A	3111A	104	260.8	21.2	1	31.4	873	12
LATHAM	LH 5487 VT2P RIB	VT2P,B	104	259.3	22.2	1	30.5	861	17
PIONEER	P0421Q GC	QR,B	104	259.1	21.6	2	31.9	864	14
INTEGRA	5719 VT2PRIB	VT2P,B	107	258.5	23.3	4	31.4	851	27
NK BRAND	NK0472-5222-EZR	5222,B	104	258.0	21.4	1	31.9	862	16
DAIRYLAND	DS-4580Q	QR,B	104	257.4	21.3	1	31.0	860	21
THUNDER	T6107 VT2P	VT2P,B	107	257.4	21.9	1	31.9	856	22
GOLDEN HARVEST	G03R40-5222-EZR	5222,B	103	257.2	22.5	1	31.9	852	25
WYFFELS	W5516RIB	VT2P,B	108	257.1	22.9	2	31.4	849	29
REA	6A042	STX,B	104	257.0	21.0	2	31.0	861	18
LATHAM	LH 5377 VT2P RIB	VT2P,B	103	256.7	20.8	1	31.0	861	19
TITAN PRO	82-04 2P	VT2P,B	104	256.3	22.0	3	30.9	852	26
WYFFELS	W4246	VT2P	105	254.5	19.6	2	31.4	861	20
HEINE	7450	VT2P	104	253.1	21.1	2	31.9	847	30
THUNDER	T6004 VT2P	VT2P,B	104	252.8	19.6	1	30.5	856	23
TITAN PRO	96-06 2P	VT2P,B	106	252.1	20.0	3	31.4	851	28
HEINE	740	VT2P,B	103	251.0	19.1	2	31.4	853	24
DEKALB	DKC54-64RIB CK	STX,B	104	244.4	19.0	1	31.9	831	36

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Averages = **251.1** **21.7** **2** **30.9** **752**

LSD (0.10) = 20.4 1.9 ns

LSD (0.25) = 10.7 1.0 ns

C.V. = 7.7

Historic yield: 191.9 bu/a, 9 yr(s)

Yield & Income Factors:

Base Moisture = 15.0%

Shrink = 1.2

Drying = \$0.025

Prices: GMO = \$3.50

Report Date: 11/03/2020

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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 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	VT2P	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.