

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

## 2020 Corn Grain Top 30 Harvest Report

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

<b>Early-Season Test</b>	98 - 102 Day CRM B2020SDSE11a
<b>Top 30 of 59</b>	For Gross Income (Sorted by Yield) Average of (3) Replications
<b>PREV. CROP/HERB:</b>	Soybeans / Roundup, Authority
<b>SOIL DESCRIPTION:</b>	Egan-Ethan-Tetonka sandy clay loam, well drained, non-irrigated
<b>SOIL CONDITION:</b>	Conventional W/O Fall Till, very low P, medium K, 7.7 pH, 4.5% OM, 27.6 CEC
<b>PEST MANAGEMENT:</b>	Force, Harness Xtra, Roundup
<b>FERTILITY - Applied N:</b>	166 Spring
<b>Applied N-P-K (units):</b>	166-50-40
<b>SEEDED - RATE - ROW:</b>	May 3 32.5 /A 30" spacing
<b>HARVESTED - STAND:</b>	Oct 30 31.3 /A

### TEST COMMENTS:

*This area had plenty of subsoil moisture this spring and having a tile in this field helped with timely planting. The plot conditions were good in June and July and drone photos in July had us optimistic that high yields were possible. The drought monitor showed up in this area of the state in August and September. Plot variability was compounded by the lack of moisture this summer. Enough subsoil moisture to produce plot yields around 180 bpa. Stalks heights were six feet at harvest. Some head shelling and low ear sets were common. We only had room to plant 3 replications of the early season varieties.*

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
INTEGRA	5280 VT2PRIB	VT2P,B	102	<b>209.2</b>	14.2	1	31.9	732	1
DYNA-GRO	D40VC41	VT2P	100	<b>206.9</b>	14.9	1	31.9	724	2
PIONEER	P0075Q GC	QR	100	<b>205.5</b>	14.6	1	29.8	719	3
HEINE	7010	VT2P	100	<b>202.1</b>	14.4	1	31.4	707	4
VIKING	44-98	CONV	98	<b>201.1</b>	14.5	1	30.9	704	5
HI FIDELITY GENETICS	HFG1001	CONV	100	<b>200.5</b>	15.0	1	31.0	702	6
DAIRYLAND	DS-4014Q	QR,B	100	198.5	14.1	1	31.0	695	7
DAIRYLAND	DS-3810Q	QR,B	98	198.1	14.2	1	31.9	693	8
HEFTY	H5132VT2P	VT2P	101	196.5	14.5	1	30.9	688	9
DYNA-GRO	D43VC81	VT2P	102	194.9	14.3	1	31.9	682	10
VIKING	55-02	CONV	102	194.1	15.0	1	30.9	679	11
THUNDER	T6100 VT2P	VT2P,B	100	194.0	14.4	1	31.9	679	12
THUNDER	T6098 VT2P	VT2P,B	98	193.6	14.1	1	30.9	678	13
EPLEY	E1040	CONV	100	193.3	14.6	1	31.9	677	14
INTEGRA	4888 VT2PRIB	VT2P,B	98	192.7	14.3	1	31.0	674	16
HEINE	7200	VT2P	102	191.1	14.7	1	31.4	669	17
HEFTY	H5212VT2PRIB	VT2P,B	102	190.8	14.4	1	31.9	668	18
LATHAM	LH 5077 VT2P RIB	VT2P,B	100	190.1	14.0	1	31.9	665	19
WYFFELS	W2506RIB	VT2P,B	101	189.9	14.6	1	31.4	665	20
DAIRYLAND	DS-4018AM	AM,AQ,B	101	188.9	14.3	1	31.9	661	21
LATHAM	LH 5047 VT2P RIB	VT2P,B	100	188.5	14.4	1	31.4	660	22
WYFFELS	W3018	STX	102	188.4	14.6	1	30.5	659	23
VIKING	52-00	CONV	100	188.0	14.2	1	31.0	658	24
HEINE	6500VT2PRIB	VT2P,B	98	187.7	14.4	1	31.9	657	25
THUNDER	T6999 VT2P	VT2P,B	99	187.4	14.6	1	31.0	656	26
REA	5B994	VT2P,B	99	186.3	14.4	1	31.9	652	27
LATHAM	LH 4989 SS RIB	STX,B	99	186.3	14.6	1	31.9	652	28
HEFTY	H4922VT2PRIB	VT2P,B	99	185.6	14.3	1	31.4	650	29
PIONEER	P9998Q GC	QR	99	185.2	14.2	2	30.9	648	30
HEINE	7000STXRIB	STX,B	100	184.0	14.6	1	30.0	644	31
DEKALB	DKC54-64RIB CK	STX,B	104	192.8	14.4	2	30.5	675	15



Mark Tollefson

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

Averages = **183.2** **14.4** **1** **31.3** **642**

LSD (0.10) = 16.9 0.4 ns

LSD (0.25) = 8.9 0.2 ns

C.V. = 8.8

Historic yield: 165.1 bu/a, 13 yr(s)

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

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

## 2020 Corn Grain Top 30 Harvest Report

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

<b>Full-Season Test</b>	103 - 107 Day CRM B2020SDSE11b
<b>Top 30 of 59</b>	For Gross Income (Sorted by Yield) Average of (4) Replications
<b>PREV. CROP/HERB:</b>	Soybeans / Roundup, Authority
<b>SOIL DESCRIPTION:</b>	Egan-Ethan-Tetonka sandy clay loam, well drained, non-irrigated
<b>SOIL CONDITION:</b>	Conventional W/O Fall Till, very low P, medium K, 7.7 pH, 4.5% OM, 27.6 CEC
<b>PEST MANAGEMENT:</b>	Force, Harness Xtra, Roundup
<b>FERTILITY - Applied N:</b>	166 Spring
<b>Applied N-P-K (units):</b>	166-50-40
<b>SEEDED - RATE - ROW:</b>	May 3 32.5 /A 30" spacing
<b>HARVESTED - STAND:</b>	Oct 30 31.0 /A

### TEST COMMENTS:

*This area had plenty of subsoil moisture this spring and having a tile in this field helped with timely planting. The plot conditions were good in June and July and drone photos in July had us optimistic that high yields were possible. The drought monitor showed up in this area of the state in August and September. Plot variability was compounded by the lack of moisture this summer. Enough subsoil moisture to produce plot yields around 180 bpa. Stalks heights were six feet at harvest. Some head shelling and low ear sets were common. We only had room to plant 3 replications of the early season varieties.*

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
HEINE	7450	VT2P	104	<b>199.1</b>	14.0	1	30.8	697	1
REA	6A042	STX,B	104	<b>194.2</b>	14.4	2	31.2	680	2
REA	6B073	VT2P,B	107	193.3	14.3	1	30.1	677	3
GOLDEN HARVEST	G05K08-5122A-EZR	5122A,B	105	192.6	14.0	1	31.6	674	4
HEINE	740	VT2P,B	103	192.5	14.2	1	30.1	674	5
DAIRYLAND	DS-4440AM	AM,B	104	192.3	14.4	1	31.2	673	6
RENK	RK642VT2P	VT2P,B	103	190.4	14.1	1	31.9	666	7
WYFFELS	W5516RIB	VT2P,B	108	189.6	14.4	1	31.2	664	8
PIONEER	P0688Q GC	QR	106	187.7	14.3	1	30.9	657	9
DEKALB	DKC54-36 GC	CONV	104	187.3	14.3	1	31.9	656	10
LATHAM	LH 5377 VT2P RIB	VT2P,B	103	187.1	13.9	1	30.5	655	11
INTEGRA	5529 VT2PRIB	VT2P,B	105	186.8	14.3	1	31.2	654	12
WYFFELS	W4196RIB	VT2P,B	105	186.5	14.3	1	31.2	653	13
HI FIDELITY GENETICS	HFG1071	CONV	107	185.5	13.9	1	30.5	649	14
VIKING	42-05	CONV	105	185.2	14.5	1	31.6	648	15
WYFFELS	W4246	VT2P	105	183.3	14.4	1	30.9	642	16
TITAN PRO	24-04	PC	104	183.2	13.7	1	30.9	641	17
RENK	RK726H	PC	106	183.1	13.7	2	31.2	641	18
HEINE	7550	STX	106	183.1	14.2	1	31.2	641	19
REA	6D054	VT2PDG,B	105	183.0	14.2	2	31.6	640	20
HEFTY	H5522VT2PRIB	VT2P,B	105	182.4	14.2	1	30.5	638	21
NK BRAND	NK0472-5222-EZR	5222,B	104	181.3	14.4	1	30.5	635	22
RENK	RK710DGV2P	VT2PDG,B	106	180.7	14.3	1	31.2	632	23
LATHAM	LH 5635 VT2P RIB	VT2P,B	106	179.9	14.1	1	31.9	630	24
VIKING	51-04	CONV	104	179.8	14.1	1	30.8	629	25
THUNDER	T6004 VT2P	VT2P,B	104	179.5	14.2	1	31.6	628	26
LATHAM	LH 5487 VT2P RIB	VT2P,B	104	179.5	14.4	1	30.9	628	27
THUNDER	T6107 VT2P	VT2P,B	107	179.1	14.1	1	31.2	627	28
INTEGRA	5770 STXRIB	STX,B	107	179.1	14.3	1	30.9	627	29
VIKING	84-05	CONV	105	178.9	14.1	1	31.2	626	30
DEKALB	DKC54-64RIB CK	STX,B	104	173.4	13.9	1	31.6	607	39
				<b>Averages =</b>	<b>176.8</b>	<b>14.1</b>	<b>1</b>	<b>31.0</b>	<b>619</b>
				LSD (0.10) =	16.9	0.3	ns		
				LSD (0.25) =	8.9	0.2	ns		
				C.V. =	10.5				
				Historic yield: 165.1 bu/a, 13 yr(s)					

*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: 11/01/2020

† 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

©2020, All rights reserved by Elite Field Genetics, LLC

Additional reports available at [www.firstseedtests.com](http://www.firstseedtests.com)

## 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.