

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

## 2020 Corn Grain Top 30 Harvest Report

South Dakota Northeast [SDNE] MANSFIELD, SD

Chris Fischbach, Spink County, SD

<b>Early-Season Test</b>	91 - 95 Day CRM B2020SDNE05a
<b>Top 30 of 54</b>	For Gross Income (Sorted by Yield) Average of (3) Replications
<b>PREV. CROP/HERB:</b>	Soybean / Roundup
<b>SOIL DESCRIPTION:</b>	Great Bend-Beotia silt loam, well drained, non-irrigated
<b>SOIL CONDITION:</b>	Minimum W/O Fall Till, very high P, very high K, 5.2 pH, 4.1% OM, 22.2 CEC
<b>PEST MANAGEMENT:</b>	Roundup, Atrazine, Sure Start II, Banvel
<b>FERTILITY - Applied N:</b>	176 Spring
<b>Applied N-P-K (units):</b>	176-0-0
<b>SEEDED - RATE - ROW:</b>	May 20 32.5 /A 30" spacing
<b>HARVESTED - STAND:</b>	Oct 15 31.6 /A

### TEST COMMENTS:

Planting was delayed when excess moisture from last year created problems this spring. We found a well drained spot for a plot and it we had great planting conditions. Very even and lush looking plot in June as it was the best looking plot we had in South Dakota. At harvest the plot still looked great with no visible stress and had very even and healthy stalks. Low grain moistures at harvest and I was impressed with the good yields here.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank	
FEDERAL	4300 VT2PRIB	VT2P,B	93	<b>253.2</b>	15.6	1	31.7	883	2	
HEINE	6230	VT2P,B	95	<b>252.8</b>	15.1	1	31.7	884	1	
RENK	RK568VT2P	VT2P,B	95	<b>251.6</b>	15.3	1	32.2	879	3	
LATHAM	LH 4454 VT2P RIB	VT2P,B	94	<b>251.3</b>	15.4	1	31.7	877	4	
DAIRYLAND	DS-3550AM	AM,B	95	<b>251.3</b>	15.7	1	31.7	875	6	
DAIRYLAND	DS-3162Q	QR,B	91	250.5	14.1	1	30.8	877	5	
PIONEER	P9492AM GC	AM,B	94	248.4	18.1	1	31.7	850	15	
INTEGRA	4509 VT2PRIB	VT2P,B	95	248.3	15.7	1	31.3	865	7	
HEFTY	H4522VT2PRIB	VT2P,B	95	248.2	15.7	1	31.7	864	8	
THUNDER	T6094 VT2P	VT2P,B	94	246.9	15.7	1	31.7	860	10	
GOLDEN HARVEST	G91V51-3110A	3110A	91	246.4	14.8	1	31.7	862	9	
HEFTY	H4332VT2PRIB	VT2P,B	93	246.1	16.2	1	31.3	854	12	
HEINE	6450	VT2P	95	246.1	16.4	1	31.3	853	14	
NK BRAND	NK9175-3110A	3110A	91	244.6	14.3	6	32.2	856	11	
FEDERAL	4400 VT2PRIB	VT2P,B	94	244.0	14.4	1	31.3	854	13	
ROB-SEE-CO	INNOTECH IC4166	3110A	91	242.8	15.0	1	32.2	850	16	
DAIRYLAND	DS-3366Q	QR,B	93	242.6	14.8	1	31.3	849	17	
INTEGRA	4041 VT2P	VT2P	90	242.2	14.9	1	30.8	848	18	
THUNDER	T6992 VT2P	VT2P,B	92	240.1	14.6	1	31.7	840	19	
LATHAM	LH 4375 VT2P RIB	VT2P,B	93	239.2	14.7	1	32.2	837	20	
ROB-SEE-CO	RC4535	3110	95	239.1	15.3	1	31.3	835	21	
HEFTY	H4322VT2PRIB	VT2P,B	93	239.0	15.6	1	32.2	833	25	
RENK	RK561DGV2PRIB	VT2PDG,B	95	238.8	16.0	1	31.3	830	27	
FEDERAL	4190 VT2PRIB	VT2P,B	91	238.7	15.1	1	31.3	835	22	
HEINE	6200	VT2P,B	95	238.5	14.6	6	31.3	835	23	
THUNDER	T6993 VT2P	VT2P,B	93	238.5	15.7	1	31.3	830	28	
DAIRYLAND	DS-3345AM	AM,B	93	238.4	15.0	1	32.2	834	24	
FEDERAL	4185 RR	RR2	91	237.3	15.0	1	31.7	831	26	
HEFTY	H4102VT2PRIB	VT2P,B	91	236.6	14.4	1	31.7	828	29	
LATHAM	LH 4517 VT2P RIB	VT2P,B	95	235.3	15.3	1	30.8	822	30	
DEKALB	DKC47-54RIB CK	STX,B	97	223.6	16.5	1	31.3	774	42	
				<b>Averages =</b>	<b>234.6</b>	<b>15.2</b>	<b>1</b>	<b>31.6</b>	<b>819</b>	
				LSD (0.10) =	16.1	0.5	ns			
				LSD (0.25) =	8.5	0.3	ns			
				C.V. =	6.5					
				Historic yield: 209.0 bu/a, 1 yr(s)						



Mark Tollefson

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### Yield & Income Factors:

Base Moisture = 15.0%

Shrink = 1.2

Drying = \$0.025

Prices: GMO = \$3.50

Report Date: 10/16/2020

Additional reports available at [www.firstseedtests.com](http://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 Grain Top 30 Harvest Report

South Dakota Northeast [SDNE] MANSFIELD, SD

Chris Fischbach, Spink County, SD

**Full-Season Test** 96 - 100 Day CRM  
B2020SDNE05b

**Top 30 of 54** For Gross Income  
(Sorted by Yield)  
Average of (3) Replications

**PREV. CROP/HERB:** Soybean / Roundup

**SOIL DESCRIPTION:** Great Bend-Beotia silt loam, well  
drained, non-irrigated

**SOIL CONDITION:** Minimum W/O Fall Till, very high  
P, very high K, 5.2 pH, 4.1% OM,  
22.2 CEC

**PEST MANAGEMENT:** Roundup, Atrazine, Sure Start II,  
Banvel

**FERTILITY - Applied N:** 176 Spring

**Applied N-P-K (units):** 176-0-0

**SEEDED - RATE - ROW:** May 20 32.5 /A 30" spacing

**HARVESTED - STAND:** Oct 15 31.3 /A

### TEST COMMENTS:

*Planting was delayed when excess moisture from last year created problems this spring. We found a well drained spot for a plot and it we had great planting conditions. Very even and lush looking plot in June as it was the best looking plot we had in South Dakota. At harvest the plot still looked great with no visible stress and had very even and healthy stalks. Low grain moistures at harvest and I was impressed with the good yields here.*

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank		
FEDERAL	4990 VT2PRIB	VT2P,B	99	<b>273.4</b>	17.3	1	31.7	941	1		
THUNDER	T6999 VT2P	VT2P,B	99	<b>267.4</b>	15.9	1	31.3	930	2		
HEINE	6575	VT2P	99	<b>262.7</b>	17.1	1	31.7	906	3		
HEFTY	H5003VT2PDGRIB	VT2PDG,B	100	<b>262.2</b>	17.7	1	31.3	900	4		
RENK	RK579DGV2P	VT2PDG,B	99	<b>261.4</b>	17.2	1	30.8	900	5		
HEFTY	H4933VT2PDGRIB	VT2PDG,B	99	261.0	17.3	1	30.8	899	6		
THUNDER	T6996 VT2P	VT2P,B	96	259.8	18.3	1	31.3	888	14		
ROB-SEE-CO	RC4688	3120,B	96	259.8	18.0	1	31.7	890	10		
HEINE	6550VT2P	VT2P	99	258.2	17.1	1	30.8	890	11		
REA	4B965	VT2P,B	97	258.2	16.6	1	31.3	893	8		
LATHAM	LH 4657 VT2P RIB	VT2P,B	96	257.6	15.9	1	31.7	896	7		
THUNDER	T6100 VT2P	VT2P,B	100	257.5	16.9	1	31.7	889	12		
REA	4B976	VT2P,B	97	257.3	16.4	1	31.3	892	9		
DYNA-GRO	D40VC41	VT2P	100	257.2	16.7	1	32.2	889	13		
TITAN PRO	22-00 2P	VT2P,B	100	257.2	18.0	1	30.8	881	18		
INTEGRA	5081 DGVT2PRIB	VT2PDG,B	100	256.8	16.7	1	31.3	888	15		
FEDERAL	4999 VT2PRIB	VT2P,B	99	255.2	16.2	1	30.8	885	16		
INTEGRA	4888 VT2PRIB	VT2P,B	98	254.8	16.3	1	31.7	884	17		
TITAN PRO	86-96 2P	VT2P,B	96	253.2	16.1	1	31.3	879	19		
HEFTY	H4842VT2P	VT2P	98	252.5	16.8	1	31.3	873	21		
HEINE	6500	VT2P	98	252.5	17.0	1	31.3	871	22		
DAIRYLAND	DS-3810Q	QR,B	98	252.4	17.9	1	31.7	865	24		
PIONEER	P0075Q GC	QR	100	250.8	15.5	1	30.8	874	20		
DAIRYLAND	DS-4000AMXTRIB	AMXT,B	100	250.6	17.0	1	31.3	865	25		
HEINE	7010	VT2P	100	250.5	16.8	1	31.3	865	26		
INTEGRA	4782 VT2PRIB	VT2P,B	97	250.0	16.1	1	30.4	868	23		
NK BRAND	NK9653-5222-EZR	5222,B	96	249.4	17.5	1	31.7	858	28		
THUNDER	T6098 VT2P	VT2P,B	98	247.1	17.1	1	30.4	852	31		
TITAN PRO	92-99 2P	VT2P,B	99	246.8	16.5	1	31.3	855	30		
LATHAM	LH 4937 VT2P RIB	VT2P,B	99	246.5	16.2	1	30.8	856	29		
DEKALB	DKC47-54RIB CK	STX,B	97	252.9	18.6	1	31.5	862	27		
				<b>Averages =</b>	<b>248.2</b>	<b>17.4</b>	<b>1</b>	<b>31.3</b>	<b>854</b>		
				LSD (0.10) =	13.1	0.8	ns				
				LSD (0.25) =	6.9	0.4	ns				
				C.V. =	5.0						
										Historic yield: 209.0 bu/a, 1 yr(s)	



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### Yield & Income Factors:

Base Moisture = 15.0%

Shrink = 1.2

Drying = \$0.025

Prices: GMO = \$3.50

Report Date: 10/16/2020

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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 Northeast [ SDNE ]

### Early-Season Test Products (54 Total)

Company/Brand	Product/Brand	Technology	RM	Seed Treat.
DAHLMAN	R47-26VT2PRIB GC	VT2P,B	94	AC250
DAIRYLAND	DS-3162Q	QR,B	91	Lum,P1V
DAIRYLAND	DS-3193AM	AM,B	91	Lum,P1V
DAIRYLAND	DS-3345AM	AM,B	93	Lum,P1V
DAIRYLAND	DS-3366Q	QR,B	93	Lum,P1V
DAIRYLAND	DS-3550AM	AM,B	95	Lum,P5V
DEKALB	DKC47-54RIB CK	STX,B	97	AC,P5V,EDC-EL
DYNA-GRO	D35VC35	VT2P	95	AC,P5V,EDC-B
FEDERAL	4160 VT2PRIB	VT2P,B	91	AC,P2
FEDERAL	4185 RR	RR2	91	AC,P2,MAG
FEDERAL	4190 VT2PRIB	VT2P,B	91	AC,P2,MAG
FEDERAL	4300 VT2PRIB	VT2P,B	93	AC,P2,MAG
FEDERAL	4400 VT2PRIB	VT2P,B	94	AC,P2,MAG
GOLDEN HARVEST	G90Y04-5222A-EZR	5222A,B	92	AVC,C2,Vi
GOLDEN HARVEST	G91V51-3110A	3110A	91	AVC,C2,Vi
HEFTY	H4102VT2PRIB	VT2P,B	91	HC
HEFTY	H4132VT2PRIB	VT2P,B	91	HC
HEFTY	H4322VT2PRIB	VT2P,B	93	HC
HEFTY	H4332VT2PRIB	VT2P,B	93	HC
HEFTY	H4522VT2PRIB	VT2P,B	95	HC
HEINE	6175VT2P	VT2P	93	AC,P5V,EDC-B
HEINE	6200	VT2P,B	95	AC250
HEINE	6210	VT2P	95	AC,P5V
HEINE	6230	VT2P,B	95	AC,P2
HEINE	6450	VT2P	95	AC,P5V,EDC-B
INTEGRA	4041 VT2P	VT2P	90	AC,P5V,St,SU
INTEGRA	4119 VT2PRIB	VT2P,B	91	AC,P2V,St,SU
INTEGRA	4311 VT2P	VT2P	93	AC,P5V,St,SU
INTEGRA	4509 VT2PRIB	VT2P,B	95	AC,P2V,St,SU
LATHAM	LH 4242 VT2P RIB	VT2P,B	92	AC250
LATHAM	LH 4375 VT2P RIB	VT2P,B	93	AC250
LATHAM	LH 4454 VT2P RIB	VT2P,B	94	AC250
LATHAM	LH 4517 VT2P RIB	VT2P,B	95	AC250
NK BRAND	NK8920-5122-EZR	5122,B	89	AVC,C2,Vi
NK BRAND	NK9175-3110A	3110A	91	AVC,C2,Vi
NK BRAND	NK9227-5222A-EZR	5222A,B	92	AVC,C2,Vi

Company/Brand	Brand/Product	Technology	RM	Seed Treat.
PIONEER	P9188AMXT GC	AMXT	91	None
PIONEER	P9492AM GC	AM,B	94	None
REA	3B912	VT2P,B	91	AC,P5,B360
REA	3B923	VT2P,B	92	AC,P2,B360
RENK	RK433VT2PRIB	VT2P,B	92	AC,P2
RENK	RK499VT2P	VT2P	94	AC,P2
RENK	RK561DGVT2PRIB	VT2PDG,B	95	AC,P2
RENK	RK568VT2P	VT2P,B	95	AC,P2
ROB-SEE-CO	INNOTECH IC4166	3110A	91	AVC,C2
ROB-SEE-CO	RC4343	3220A,B	93	CM,C2
ROB-SEE-CO	RC4427	3220,B	94	CM,C2
ROB-SEE-CO	RC4535	3110	95	CM,C2
THUNDER	T6094 VT2P	VT2P,B	94	AC,P2
THUNDER	T6595 VT2P	VT2P,B	95	AC,P2
THUNDER	T6791 VT2P	VT2P,B	91	AC,P2
THUNDER	T6992 VT2P	VT2P,B	92	AC,P2
THUNDER	T6993 VT2P	VT2P,B	93	AC,P2
TITAN PRO	82-95 2P	VT2P,B	95	AC250

## 2020 Corn - South Dakota Northeast [ SDNE ]

### Full-Season Test Products (54 Total)

Company/Brand	Product/Brand	Technology	RM	Seed Treat.
DAIRYLAND	DS-3715AMRIB	AM,B	97	Lum,P5V
DAIRYLAND	DS-3750AMRIB	AM,B	97	Lum,P1V
DAIRYLAND	DS-3810Q	QR,B	98	Lum,P1V
DAIRYLAND	DS-4000AMXTRIB	AMXT,B	100	Lum,P1V
DAIRYLAND	DS-4014Q	QR,B	100	Lum,P1V
DEKALB	DKC47-54RIB CK	STX,B	97	AC,P5V,EDC-EL
DEKALB	DKC49-44RIB GC	STX,B	99	None
DYNA-GRO	D39VC40	VT2P	99	AC,P5V,EDC-B
DYNA-GRO	D40VC41	VT2P	100	AC,P5V,EDC-B
FEDERAL	4680 VT2PRIB	VT2P,B	96	AC,P2,MAG
FEDERAL	4700 STXRIB	STX,B	97	AC,P5V,MAG
FEDERAL	4800 VT2PRIB	VT2P,B	98	AC,P2
FEDERAL	4990 VT2PRIB	VT2P,B	99	AC,P2,MAG
FEDERAL	4999 VT2PRIB	VT2P,B	99	AC,P2,MAG
GOLDEN HARVEST	G00H12-5122-EZR	5122,B	100	AVC,C2,Vi
GOLDEN HARVEST	G96R61-5222-EZR	5222,B	96	AVC,C2,Vi
GOLDEN HARVEST	G99E68-5122-EZR	5122,B	99	AVC,C2,Vi
HEFTY	H4612VT2PRIB	VT2P,B	96	HC
HEFTY	H4732VT2PRIB	VT2P,B	96	HC
HEFTY	H4842VT2P	VT2P	98	HC
HEFTY	H4933VT2PDGRIB	VT2PDG,B	99	HC
HEFTY	H5003VT2PDGRIB	VT2PDG,B	100	HC
HEINE	6360VT2P	VT2P	97	AC,P5V,EDC-EL
HEINE	6500	VT2P	98	AC,P2
HEINE	6550VT2P	VT2P	99	AC,P5V,EDC-EL
HEINE	6575	VT2P	99	AC,P5V,EDC-EL
HEINE	7010	VT2P	100	AC,P5V,EDC-B
INTEGRA	4782 VT2PRIB	VT2P,B	97	AC,P2,St,SU
INTEGRA	4888 VT2PRIB	VT2P,B	98	AC,P2,St,SU
INTEGRA	5081 DGVT2PRIB	VT2PDG,B	100	AC,P2,St,SU
LATHAM	LH 4657 VT2P RIB	VT2P,B	96	AC250
LATHAM	LH 4669 SS RIB	STX,B	96	AC,P5V
LATHAM	LH 4937 VT2P RIB	VT2P,B	99	AC250
LATHAM	LH 4989 SS RIB	STX,B	99	AC,P5V
NK BRAND	NK9653-5222-EZR	5222,B	96	AVC,C5,Vi
NK BRAND	NK9930-5122-EZR	5122,B	99	AVC,C5,Vi

Company/Brand	Brand/Product	Technology	RM	Seed Treat.
NK BRAND	NK9991-5122-EZR	5122,B	99	AVC,C5,Vi
PIONEER	P0075Q GC	QR	100	None
PIONEER	P9998Q GC	QR	99	None
REA	4B965	VT2P,B	97	AC,P2,B360
REA	4B976	VT2P,B	97	AC,P5,B360
RENK	RK579DGV2P	VT2PDG,B	99	AC,P2
RENK	RK593VT2PRIB	VT2P,B	97	AC,P2
RENK	RK600SSTX	STX,B	100	AC,P5V
ROB-SEE-CO	RC4688	3120,B	96	AVC,C2
ROB-SEE-CO	RC4759	3110	97	CM,C2
ROB-SEE-CO	RC4848	3000GT	98	CM,C2
THUNDER	T6098 VT2P	VT2P,B	98	AC,P2
THUNDER	T6100 VT2P	VT2P,B	100	AC,P2
THUNDER	T6996 VT2P	VT2P,B	96	AC,P2
THUNDER	T6999 VT2P	VT2P,B	99	AC,P2
TITAN PRO	22-00 2P	VT2P,B	100	AC250
TITAN PRO	86-96 2P	VT2P,B	96	AC250
TITAN PRO	92-99 2P	VT2P,B	99	AC250

## Footnotes and Abbreviations Descriptions

### Brand Footnotes

<sup>^</sup> 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\*

3000GT	Agrisure® 3000GT	QR	Qrome™
3110	Agrisure® Viptera® 3110 (Vip, CB,LL,GT)	RR2	Roundup Ready® 2 Corn
3110A	Agrisure® Artesian® Viptera® 3110 (Vip, CB,LL,GT)	STX	SmartStax®
3120	Agrisure® 3120 (CB,HX,LL,GT)	VT2P	Genuity® VT Double PRO®
3220	Agrisure® Viptera® 3220 (Vip,CB,HX,LL,GT)	VT2PDG	Genuity® VT Double PRO® DroughtGard®
3220A	Agrisure® Artesian® Viptera® 3220 (Vip,CB,HX,LL,GT)		
5122	Agrisure® Duracade™ 5122		
5222	Agrisure® Duracade™ 5222		
5222A	Agrisure® Duracade™ Artesian® 5222		
AM	Optimum® AcreMax®		
AMXT	Optimum® AcreMax® Xtreme		
B	Blend, Refuge in a Bag (RIB) or EZ-Refuge		

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

### Corn Seed Treatments\*\*

AC250	Acceleron 250	AVC,C2,Vi	Avicta Complete 250, Vibrance
AC,P2	Acceleron, Poncho 250	AVC,C5,Vi	Avicta Complete 500, Vibrance
AC,P2,B360	Acceleron Poncho 250 with BioRise™ B-360 ST	CM,C2	CruiserMaxx 250
AC,P2,MAG	Acceleron 250, Federal ArmourGuard	HC	Hefty Complete
AC,P2,St,SU	Acceleron 250, Stamina, StepUp	Lum,P1V	Lumigen Poncho 1250/Votivo
AC,P2V,St,SU	Acceleron Poncho 250 Votivo, Stamina, StepUp	Lum,P5V	Lumigen Poncho 500/Votivo
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,MAG	Acceleron® Poncho 500/Votivo, Federal ArmorGuard		
AC,P5V,St,SU	Acceleron Poncho 500/Votivo, Stamina, StepUp		
AVC,C2	Avicta Complete 250		

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