

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

2020 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 B2020SDNE03a
Top 30 of 54	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Oat / Roundup,
SOIL DESCRIPTION:	Nutley-Sinia silty clay, well drained, non-irrigated
SOIL CONDITION:	No-Till, medium P, very high K, 7.7 pH, 5.4% OM, 33.0 CEC
PEST MANAGEMENT:	Force, Atrazine, Laudis, Class Act, Roundup, 2-4d
FERTILITY - Applied N:	175 Spring
Applied N-P-K (units):	175-50-40
SEEDED - RATE - ROW:	May 19 32.5 /A 30" spacing
HARVESTED - STAND:	Oct 17 31.4 /A

TEST COMMENTS:

We had a well-drained site and a good start after planting this spring. Stand counts were on par with other plots in June. We had wind damage on July 17 with 40 to 50 percent damage. The stalk height at harvest was around 7 feet and had a uniform look to the plot this fall. A few gooseneck stems were not significant enough to be a harvest issue. Some weed pressure early but at harvest, it was very clean. Variable grain moistures and cob lengths as some plots ran out of water and there were noticeably better yields on lower-lying plots. The early- and late- tests had to be rejected due to high variance.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
HEINE	6230	VT2P,B	95	161.3	17.4	1	31.9	555	1
NK BRAND	NK9227-5222A-EZR	5222A,B	92	155.4	19.0	1	31.9	528	4
DAIRYLAND	DS-3193AM	AM,B	91	155.1	16.3	1	31.9	538	2
THUNDER	T6992 VT2P	VT2P,B	92	153.7	16.9	1	31.9	531	3
FEDERAL	4185 RR	RR2	91	147.6	16.6	1	30.5	511	5
PIONEER	P9492AM GC	AM,B	94	147.3	18.6	1	30.9	502	6
GOLDEN HARVEST	G91V51-3110A	3110A	91	146.8	18.8	1	31.4	498	7
HEFTY	H4332VT2PRIB	VT2P,B	93	145.7	18.3	1	31.0	498	8
HEFTY	H4132VT2PRIB	VT2P,B	91	143.5	16.7	1	31.9	496	9
INTEGRA	4509 VT2PRIB	VT2P,B	95	143.2	16.6	1	31.4	496	10
LATHAM	LH 4517 VT2P RIB	VT2P,B	95	141.3	17.6	1	31.4	485	11
INTEGRA	4119 VT2PRIB	VT2P,B	91	140.5	17.8	1	31.0	482	13
REA	3B912	VT2P,B	91	140.2	17.1	6	31.9	483	12
RENK	RK561DGV2PRIB	VT2P,G,B	95	139.5	18.6	1	30.5	476	15
NK BRAND	NK8920-5122-EZR	5122,B	89	139.1	19.5	1	31.9	471	18
DYNA-GRO	D35VC35	VT2P	95	138.8	17.3	1	31.4	478	14
PIONEER	P9188AMXT GC	AM,XT	91	137.6	18.9	1	31.4	468	20
THUNDER	T6791 VT2P	VT2P,B	91	137.4	17.7	1	31.0	472	17
ROB-SEE-CO	RC4343	3220A,B	93	137.2	16.3	1	30.0	476	16
DAIRYLAND	DS-3550AM	AM,B	95	137.0	18.0	4	31.4	469	19
DAIRYLAND	DS-3660Q	QR,B	93	136.2	17.5	1	30.0	468	21
HEINE	6175VT2P	VT2P	93	136.1	18.8	1	31.0	463	23
NK BRAND	NK3175-3110A	3110A	91	135.5	18.3	1	31.9	463	24
THUNDER	T6094 VT2P	VT2P,B	94	135.0	18.1	1	31.4	462	25
HEFTY	H4522VT2PRIB	VT2P,B	95	134.1	17.4	1	30.0	461	26
HEFTY	H4102VT2PRIB	VT2P,B	91	133.8	18.8	1	31.9	455	27
LATHAM	LH 4454 VT2P RIB	VT2P,B	94	133.8	19.8	1	31.0	452	29
ROB-SEE-CO	RC4427	3220,B	94	132.9	18.3	1	31.0	454	28
INTEGRA	4041 VT2P	VT2P	90	131.2	19.4	1	31.4	445	30
FEDERAL	4190 VT2PRIB	VT2P,B	91	129.8	17.8	2	31.9	445	31
DEKALB	DKC47-54RIB CK	STX,B	97	137.2	19.2	1	30.9	466	22

Mark Tollefson

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Averages = **130.7** **18.8** **1** **31.4** **446**

LSD (0.10) = ns ns ns

LSD (0.25) = ns ns ns

C.V. = 15.5

Historic yield: 169.5 bu/a, 10 yr(s)

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

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2020 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
B2020SDNE03b

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

PREV. CROP/HERB: Oat / Roundup,
SOIL DESCRIPTION: Nutley-Sinia silty clay, well
drained, non-irrigated
SOIL CONDITION: No-Till, medium P, very high K,
7.7 pH, 5.4% OM, 33.0 CEC
PEST MANAGEMENT: Force, Atrazine, Laudis, Class
Act, Roundup, 2-4d
FERTILITY - Applied N: 175 Spring
Applied N-P-K (units): 175-50-40
SEEDED - RATE - ROW: May 19 32.5 /A 30" spacing
HARVESTED - STAND: Oct 17 30.3 /A

TEST COMMENTS:

We had a well-drained site and a good start after planting this spring. Stand counts were on par with other plots in June. We had wind damage on July 17 with 40 to 50 percent damage. The stalk height at harvest was around 7 feet and had a uniform look to the plot this fall. A few gooseneck stems were not significant enough to be a harvest issue. Some weed pressure early but at harvest, it was very clean. Variable grain moistures and cob lengths as some plots ran out of water and there were noticeably better yields on lower-lying plots. The early- and late- tests had to be rejected due to high variance.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
TITAN PRO	22-00 2P	VT2P,B	100	156.7	19.8	1	31.0	530	1
THUNDER	T6999 VT2P	VT2P,B	99	156.5	20.9	4	30.5	525	2
RENK	RK593VT2PRIB	VT2P,B	97	155.5	21.6	1	30.0	519	3
ROB-SEE-CO	RC4688	3120,B	96	151.6	20.2	1	30.5	511	4
TITAN PRO	92-99 2P	VT2P,B	99	149.8	19.2	1	29.5	509	5
ROB-SEE-CO	RC4759	3110	97	147.2	21.6	1	30.5	491	7
REA	4B976	VT2P,B	97	146.8	19.8	1	30.5	494	6
HEINE	6575	VT2P	99	145.2	19.7	1	29.5	491	8
DAIRYLAND	DS-4014Q	QR,B	100	141.7	19.6	1	31.4	480	10
FEDERAL	4999 VT2PRIB	VT2P,B	99	141.6	20.8	1	30.5	475	12
DAIRYLAND	DS-3810Q	QR,B	98	141.4	18.9	1	28.1	481	9
LATHAM	LH 4989 SS RIB	STX,B	99	140.6	19.4	1	31.4	477	11
RENK	RK579DGT2P	VT2PDG,B	99	140.6	21.8	1	29.0	468	16
HEINE	7010	VT2P	100	140.3	19.6	1	30.5	475	13
GOLDEN HARVEST	G00H12-5122-EZR	5122,B	100	140.0	20.7	1	30.5	470	15
GOLDEN HARVEST	G99E68-5122-EZR	5122,B	99	138.2	18.5	1	28.6	471	14
PIONEER	P9998Q GC	QR	99	137.9	23.0	1	30.0	455	19
LATHAM	LH 4937 VT2P RIB	VT2P,B	99	136.0	21.0	1	31.0	456	17
RENK	RK600SS TX	STX,B	100	134.0	18.7	4	31.4	456	18
INTEGRA	5084 DGT2PRIB	VT2PDG,B	100	133.9	22.0	1	31.0	445	23
THUNDER	T6100 VT2P	VT2P,B	100	133.5	19.1	2	30.5	453	20
REA	4B965	VT2P,B	97	133.4	21.0	1	30.0	447	21
HEFTY	H4983VT2PDGRIB	VT2PDG,B	99	132.5	23.8	1	31.0	435	27
DAIRYLAND	DS-3750AMRIB	AM,B	97	131.8	19.6	4	30.5	446	22
FEDERAL	4800 VT2PRIB	VT2P,B	98	131.7	20.8	1	29.0	442	25
FEDERAL	4990 VT2PRIB	VT2P,B	99	131.6	20.0	1	31.0	444	24
THUNDER	T6996 VT2P	VT2P,B	96	130.9	22.7	1	31.4	433	28
INTEGRA	4888 VT2PRIB	VT2P,B	98	130.7	20.8	1	29.5	439	26
DEKALB	DKC49-44RIB GC	STX,B	99	130.1	22.9	1	30.5	430	29
DYNA-GRO	D39VC40	VT2P	99	128.7	21.2	1	28.6	430	30
DEKALB	DKC47-54RIB CK	STX,B	97	126.9	21.6	2	29.5	423	33

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Averages = **130.6** **21.6** **1** **30.3** **435**

LSD (0.10) = ns 2.4 ns

LSD (0.25) = ns 1.2 ns

C.V. = 17.4

Historic yield: 169.5 bu/a, 10 yr(s)

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

Report Date: 10/19/2020

† 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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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	NA
PIONEER	P9492AM GC	AM,B	94	NA
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	RK561DGV2PRIB	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	NA
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	NA
PIONEER	P9998Q GC	QR	99	NA
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

^ 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
 3110 Agrisure® Viptera® 3110 (Vip, CB,LL,GT)
 3110A Agrisure® Artesian® Viptera® 3110 (Vip, CB,LL,GT)
 3120 Agrisure® 3120 (CB,HX,LL,GT)
 3220 Agrisure® Viptera® 3220 (Vip,CB,HX,LL,GT)
 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
 QR Qrome™
 RR2 Roundup Ready® 2 Corn
 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,B360	Acceleron Poncho 250 with BioRise™ B-360 ST
AC,P2,MAG	Acceleron 250, Federal ArmourGuard
AC,P2,St,SU	Acceleron 250, Stamina, StepUp
AC,P2V,St,SU	Acceleron Poncho 250 Votivo, Stamina, StepUp
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
AVC,C2,Vi	Avicta Complete 250, Vibrance
AVC,C5,Vi	Avicta Complete 500, Vibrance
CM,C2	CruiserMaxx 250
HC	Hefty Complete
Lum,P1V	Lumigen Poncho 1250/Votivo
Lum,P5V	Lumigen Poncho 500/Votivo

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