

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

2020 Corn Grain Top 30 Harvest Report

South Dakota Northeast [SDNE] WATERTOWN, SD
Myron Keltgen, Codington County, SD 57201

Early-Season Test	91 - 95 Day CRM B2020SDNE01a
Top 30 of 54	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Soybean / Liberty, Calisto, Metribuzin
SOIL DESCRIPTION:	Poinsett-Buse-Waubay silty clay loam, well drained, non-irrigated
SOIL CONDITION:	Conventional W/ Fall Till, high P, very high K, 6.1 pH, 4.6% OM, 19.4 CEC
PEST MANAGEMENT:	Force, Authority First, Atrazine, Bellum
FERTILITY - Applied N:	175 Spring, Zinc
Applied N-P-K (units):	175-75-50
SEEDED - RATE - ROW:	May 2 32.5 /A 30" spacing
HARVESTED - STAND:	Nov 3 31.0 /A

TEST COMMENTS:

This site had plenty of subsoil moisture and the plot was well-drained. Planting conditions were good. Good weed control with fairly even emergence. At harvest, the stalks were standing well with very little lodging. Stalk height was at 8 feet or higher with tassels still well attached and showing very little signs of disease. Some plots, mostly in the early season varieties, showed some wildlife damage. Overall, very happy with the average yield results at around 220 bpa.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank	
HEFTY	H4332VT2PRIB	VT2P,B	93	248.4	18.4	1	31.4	848	2	
ROB-SEE-CO	INNOTECH IC4166	3110A	91	246.5	17.0	1	31.4	850	1	
ROB-SEE-CO	RC4427	3220,B	94	243.6	17.6	1	31.2	837	3	
INTEGRA	4509 VT2PRIB	VT2P,B	95	241.5	18.7	1	30.0	823	5	
REA	3B912	VT2P,B	91	239.6	15.7	1	31.4	835	4	
INTEGRA	4119 VT2PRIB	VT2P,B	91	238.3	17.5	1	30.9	819	6	
HEINE	6200	VT2P,B	95	238.0	18.2	1	31.0	814	7	
LATHAM	LH 4454 VT2P RIB	VT2P,B	94	236.4	18.4	1	30.5	807	8	
PIONEER	P9492AM GC	AM,B	94	235.5	21.9	1	30.5	783	19	
DAIRYLAND	DS-3366Q	QR,B	93	234.2	17.6	1	31.4	804	9	
FEDERAL	4300 VT2PRIB	VT2P,B	93	233.3	17.5	1	31.9	802	11	
THUNDER	T6094 VT2P	VT2P,B	94	232.4	16.9	1	31.4	803	10	
HEFTY	H4522VT2PRIB	VT2P,B	95	232.0	18.5	1	30.9	792	15	
TITAN PRO	82-95 2P	VT2P,B	95	231.9	18.0	1	31.4	794	14	
LATHAM	LH 4517 VT2P RIB	VT2P,B	95	230.6	16.8	1	31.9	797	13	
THUNDER	T6791 VT2P	VT2P,B	91	230.4	16.3	1	30.9	799	12	
THUNDER	T6993 VT2P	VT2P,B	93	230.3	17.4	1	31.0	792	16	
RENK	RK433VT2PRIB	VT2P,B	92	227.7	17.3	1	30.0	784	17	
REA	3B923	VT2P,B	92	227.2	16.9	1	31.4	784	18	
RENK	RK561DGV2PRIB	VT2PDG,B	95	226.6	19.0	1	30.5	771	25	
HEINE	6230	VT2P,B	95	225.7	18.0	1	31.0	773	24	
RENK	RK568VT2P	VT2P,B	95	225.2	18.1	1	31.4	771	26	
THUNDER	T6992 VT2P	VT2P,B	92	224.2	16.8	1	31.9	775	20	
HEFTY	H4322VT2PRIB	VT2P,B	93	223.8	16.5	1	30.0	775	21	
DAIRYLAND	DS-3162Q	QR,B	91	223.4	16.2	1	31.0	775	22	
FEDERAL	4160 VT2PRIB	VT2P,B	91	222.8	16.1	1	31.9	774	23	
FEDERAL	4185 RR	RR2	91	222.1	17.2	1	31.9	765	27	
NK BRAND	NK8920-5122-EZR	5122,B	89	221.8	17.3	1	30.0	764	28	
DAIRYLAND	DS-3345AM	AM,B	93	221.2	17.3	1	31.9	761	30	
FEDERAL	4190 VT2PRIB	VT2P,B	91	220.0	16.5	1	31.9	762	29	
DEKALB	DKC47-54RIB CK	STX,B	97	205.7	20.7	1	31.4	691	48	
				Averages =	219.3	17.5	1	31.0	752	
				LSD (0.10) =	20.3	0.7	ns			
				LSD (0.25) =	10.6	0.4	ns			
				C.V. =	8.8					Historic yield: 203.3 bu/a, 8 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: 11/03/2020

† 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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Full-Season Test	96 - 100 Day CRM B2020SDNE01b
Top 30 of 54	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Soybean / Liberty, Calisto, Metribuzin
SOIL DESCRIPTION:	Poinsett-Buse-Waubay silty clay loam, well drained, non-irrigated
SOIL CONDITION:	Conventional W/ Fall Till, high P, very high K, 6.1 pH, 4.6% OM, 19.4 CEC
PEST MANAGEMENT:	Force, Authority First, Atrazine, Bellum
FERTILITY - Applied N:	175 Spring, Zinc
Applied N-P-K (units):	175-75-50
SEEDED - RATE - ROW:	May 2 32.5 /A 30" spacing
HARVESTED - STAND:	Nov 3 30.2 /A

TEST COMMENTS:

This site had plenty of subsoil moisture and the plot was well-drained. Planting conditions were good. Good weed control with fairly even emergence. At harvest, the stalks were standing well with very little lodging. Stalk height was at 8 feet or higher with tassels still well attached and showing very little signs of disease. Some plots, mostly in the early season varieties, showed some wildlife damage. Overall, very happy with the average yield results at around 220 bpa.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
LATHAM	LH 4937 VT2P RIB	VT2P,B	99	260.1	17.8	1	30.5	892	1
DAIRYLAND	DS-4014Q	QR,B	100	256.6	20.3	1	31.0	864	3
HEINE	6500	VT2P	98	252.6	17.9	1	30.0	866	2
DYNA-GRO	D39VC40	VT2P	99	252.3	18.5	1	30.0	861	4
FEDERAL	4999 VT2PRIB	VT2P,B	99	251.1	18.2	1	31.0	859	5
RENK	RK593VT2PRIB	VT2P,B	97	250.6	17.8	1	30.5	859	6
TITAN PRO	92-99 2P	VT2P,B	99	248.2	18.4	1	31.0	848	7
RENK	RK579DGV2P	VT2PDG,B	99	242.4	19.6	1	27.6	820	9
REA	4B976	VT2P,B	97	241.6	18.8	1	30.0	823	8
INTEGRA	5081 DGVT2PRIB	VT2PDG,B	100	241.3	19.5	1	30.5	817	10
THUNDER	T6100 VT2P	VT2P,B	100	238.4	17.9	1	29.5	817	11
HEINE	6360VT2P	VT2P	97	238.4	17.9	1	29.0	817	12
LATHAM	LH 4669 SS RIB	STX,B	96	238.4	19.1	1	29.0	810	14
HEINE	7010	VT2P	100	238.0	17.8	1	31.4	816	13
DYNA-GRO	D40VC41	VT2P	100	237.6	19.8	1	31.0	803	15
DAIRYLAND	DS-3810Q	QR,B	98	235.0	19.8	1	31.0	794	18
FEDERAL	4800 VT2PRIB	VT2P,B	98	233.9	18.7	1	29.1	797	16
DAIRYLAND	DS-3750AMRIB	AM,B	97	233.8	19.3	1	30.5	793	21
TITAN PRO	86-96 2P	VT2P,B	96	233.5	18.9	1	30.9	794	19
HEINE	6575	VT2P	99	233.5	19.2	1	31.4	793	22
HEFTY	H4842VT2P	VT2P	98	233.0	18.8	1	30.0	794	20
INTEGRA	4888 VT2PRIB	VT2P,B	98	231.7	18.1	1	30.5	793	23
REA	4B965	VT2P,B	97	231.5	18.4	1	29.5	791	24
DAIRYLAND	DS-3715AMRIB	AM,B	97	231.3	17.5	1	30.5	795	17
HEFTY	H4933VT2PDGRIB	VT2PDG,B	99	230.7	18.8	1	30.5	785	25
TITAN PRO	22-00 2P	VT2P,B	100	230.7	19.7	1	31.0	780	27
INTEGRA	4782 VT2PRIB	VT2P,B	97	229.0	18.3	1	30.5	783	26
RENK	RK600SSTX	STX,B	100	228.6	19.1	1	30.5	777	30
HEINE	6550VT2P	VT2P	99	228.6	19.1	1	30.0	776	31
ROB-SEE-CO	RC4848	3000GT	98	228.1	18.6	1	31.4	778	29
DEKALB	DKC47-54RIB CK	STX,B	97	228.9	19.1	1	30.0	778	28
				Averages =	228.1	19.2	1	30.2	775
				LSD (0.10) =	18.5	1.3	ns		
				LSD (0.25) =	9.7	0.7	ns		
				C.V. =	7.7				
				Historic yield: 203.3 bu/a, 8 yr(s)					

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Yield & Income Factors:

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Shrink = 1.2

Drying = \$0.025

Prices: GMO = \$3.50

Report Date: 11/03/2020

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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.