

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	Yield 1	Moisture	Shrink	Drying	Stand	Gross Income	Rank
		bu	%		%	/a (2000)	\$/bu	
HERB	6200	181.2	17.4	1	31.8	500	1	
MR BRAND	MR5207 5200A-620	180.4	18.0	1	31.8	528	4	
DARTLAND	DS 2100M	180.1	18.3	1	31.8	538	2	
THUNDER	THUN VTOP	180.7	18.8	1	31.8	501	3	
FEDERAL	4180 MR	177.8	18.8	1	31.8	511	5	
PIONEER	PIONEER 3C	177.2	18.8	1	31.8	522	6	
GOLDEN HARVEST	GV101 210A	177.8	18.8	1	31.4	498	7	
HEFTY	HEFTYTOPM8	177.7	18.3	1	31.8	498	8	
HEFTY	HEFTYTOPM9	177.8	18.3	1	31.8	498	9	
INTEGRA	400 VTOPM8	182.2	18.4	1	31.4	498	10	
LATHAM	LA 400 VTOP M8	177.2	18.4	1	31.4	498	11	
INTEGRA	410 VTOPM8	177.2	18.4	1	31.2	492	12	
REA	3812	180.7	17.1	8	31.8	492	12	
RENA	RENA 5000 MR	179.8	18.8	1	30.8	478	15	
MR BRAND	MR5207 5200A	177.2	18.8	1	31.8	471	18	
DARTLAND	DS 2100M	180.8	17.2	1	31.4	478	14	
PIONEER	PIONEER 3C	177.8	18.8	1	31.4	498	20	
THUNDER	THUN VTOP	177.4	17.7	1	31.2	472	17	
MR 500 CO	MR500	177.2	18.3	1	30.8	478	16	
DARTLAND	DS 2100M	177.8	18.0	4	31.4	498	19	
DARTLAND	DS 2100M	180.2	17.8	1	30.8	498	21	
HERB	6200	180.7	18.8	1	31.8	492	22	
MR BRAND	6200	180.8	18.2	1	31.8	492	24	
THUNDER	THUN VTOP	180.2	18.1	1	31.4	492	25	
HEFTY	HEFTYTOPM8	184.1	17.4	1	30.8	491	26	
HEFTY	HEFTYTOPM9	183.8	18.8	1	31.8	498	27	
LATHAM	LA 400 VTOP M8	180.8	18.8	1	31.8	492	28	
MR 500 CO	MR500	180.8	18.3	1	31.8	494	29	
INTEGRA	400 VTOP	177.2	18.4	1	31.4	498	30	
FEDERAL	4180 VTOPM8	179.8	17.8	2	31.8	492	31	
AVG		177.7	18.3	1	31.8	492	32	

REJECTED



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

Report Date: 10/19/2020

Additional reports available at 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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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
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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	Yield 1	Moisture %	Shrink	Drying \$/bu	Prices: GMO	Gross Income \$/bu	Rank
TRUMAN	22-88 2P	100	18.7	1.8	1	31.0	530	1
TRUMAN	TRUMAN VTOP	99	18.5	20.9	4	30.5	525	2
NEHA	NEHA VTOP	97	18.5	21.8	1	30.5	519	3
NEHA	NEHA	96	19.8	20.2	1	30.5	511	4
TRUMAN	22-88 2P	96	18.8	19.2	1	30.5	509	5
NEHA	NEHA	97	17.2	21.8	1	30.5	491	7
NEHA	NEHA	97	19.8	19.8	1	30.5	490	6
NEHA	NEHA	96	19.2	19.7	1	30.5	481	8
DUPONT	22-88 2P	99	17.7	19.7	1	31.4	480	10
FEDERAL	488 VTOP	96	19.8	19.8	1	30.5	475	12
DUPONT	22-88 2P	96	17.9	19.7	1	30.5	461	9
LATITUDE	22-88 2P	96	17.9	19.7	1	31.4	477	11
NEHA	NEHA	97	19.8	21.8	1	29.0	468	18
NEHA	NEHA	96	19.8	19.8	1	30.5	475	13
GOLDEN HARVEST	GOLDEN HARVEST	97	17.2	20.7	1	30.5	470	15
GOLDEN HARVEST	GOLDEN HARVEST	96	18.2	19.8	1	29.8	471	14
PIONEER	PIONEER	96	17.8	20.0	1	30.5	465	19
LATITUDE	22-88 2P	96	18.2	21.8	1	31.0	466	17
NEHA	NEHA	100	18.2	19.7	4	31.4	468	16
INTEGRA	INTEGRA	100	19.8	20.0	1	31.0	445	23
TRUMAN	TRUMAN	100	19.8	19.1	2	30.5	453	20
NEHA	NEHA	97	18.8	21.8	1	30.5	447	21
NEHA	NEHA	96	18.8	20.8	1	31.0	438	27
DUPONT	DUPONT	97	17.8	19.8	4	30.5	448	22
FEDERAL	488 VTOP	96	17.7	20.8	1	29.0	442	25
FEDERAL	488 VTOP	96	17.8	20.0	1	31.0	444	24
TRUMAN	TRUMAN	96	18.8	20.7	1	31.4	433	26
INTEGRA	INTEGRA	96	18.7	20.8	1	29.5	438	28
NEHA	NEHA	96	18.1	20.8	1	30.5	430	29
DUPONT	DUPONT	96	18.7	21.2	1	29.8	430	30
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)	

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

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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

* 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.

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		

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