

Test by: Northland F.I.R.S.T., LLC Moorhead, MN

2020 Corn Grain Top 30 Harvest Report

Red River South North Dakota & Minnesota [RRSO]
FELTON, MN

WCD Brendemuhl Farms, Curtis Brendemuhl, Clay County,
MN 56560

Early-Season Test 85 - 90 Day CRM
B2020RRSO05a

Top 30 of 44 For Gross Income
(Sorted by Yield)
Average of (4) Replications

PREV. CROP/HERB: Soybean / Enlist Duo, Liberty

SOIL DESCRIPTION: Glyndon loam, mod. poorly
drained, non-irrigated

SOIL CONDITION: Minimum W/O Fall Till, very low
P, low K, 8.1 pH, 3.4% OM, 25.3
CEC

PEST MANAGEMENT: Armezon Pro, Atrazine

FERTILITY - Applied N: 108 Spring, 60 Sidedress

Applied N-P-K (units): 168-78-60

SEEDED - RATE - ROW: May 8 34.5 /A 30" spacing

HARVESTED - STAND: Oct 13 33.7 /A

TEST COMMENTS:

The plot was planted in early May and had a good growing season with plenty of heat units. An early frost and warm dry conditions helped grain moistures be lower than expected. Stalks were strong for both early and full-season products with no lodging noted. A few full-season hybrids still had green in the stems. The plot average was in line with the surrounding field yields.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
REA	3B903	VT2P,B	90	180.2	15.0	0	33.3	586	1
TITAN PRO	82-90 2P	VT2P,B	90	176.7	18.4	0	34.0	559	2
PIONEER	P8989AM GC	AM,B	89	175.9	18.0	0	34.0	559	3
PROSEED	1790 VT2PRIB	VT2P,B	90	173.6	18.2	0	33.3	550	4
LATHAM	LH 3827 VT2P RIB	VT2P,B	88	169.1	16.9	0	33.7	542	5
ROB-SEE-CO	RC3601	3011A	86	168.5	17.7	0	33.3	536	6
LATHAM	LH 3937 VT2P RIB	VT2P,B	89	165.7	18.9	0	33.7	522	13
RENK	RK312VT2PRIB	VT2P,B	90	165.2	18.6	0	34.0	522	14
REA	2B861	VT2P,B	86	165.1	15.5	0	33.3	534	7
INTEGRA	3629 VT2PRIB	VT2P,B	86	164.4	15.4	0	34.0	533	8
DAHLMAN	R45-25VT2PRIB	VT2P,B	90	164.0	16.6	0	32.9	526	11
NK BRAND	NK8618-3120A-EZR	3120A,B	86	162.7	19.1	0	33.7	512	18
THUNDER	T6085 VT2P	VT2P,B	85	162.7	15.1	0	33.7	529	9
LATHAM	LH 3695 VT2P RIB	VT2P,B	86	162.7	15.4	0	34.0	527	10
RENK	RK278VT2P	VT2P,B	87	162.3	15.4	0	33.7	526	12
INTEGRA	3718 VT2PRIB	VT2P,B	87	160.9	16.9	0	33.3	515	17
GOLDEN HARVEST	G89A09-3120-EZR	3120,B	89	160.8	18.9	0	33.4	507	21
RENK	RK315VT2P	VT2P	90	160.6	17.6	0	34.4	511	19
HEFTY	H3712VT2PRIB	VT2P,B	87	160.5	15.7	0	33.7	519	15
DAIRYLAND	DS-3030AM	AM,B	90	159.8	17.3	3	34.0	510	20
GOLDEN HARVEST	G84J92-3120A-EZR	3120A,B	86	159.3	18.3	0	34.0	505	23
HEFTY	H3442VT2P	VT2P	84	159.2	14.8	0	33.7	517	16
ENESTVEDT	E850DP RIB	VT2P,B	85	157.6	16.6	0	34.0	506	22
DAIRYLAND	DS-2505Q	QR	85	156.2	16.3	0	33.3	503	24
NK BRAND	NK8920-3120-EZR	3120,B	89	155.8	18.7	0	33.3	492	29
DAHLMAN	R45-28VT2PRIB	VT2P,B	90	154.3	17.8	0	34.0	491	30
THUNDER	T6987 VT2P	VT2P,B	87	154.3	15.6	0	33.7	499	25
PROSEED	1787 VT2PRIB	VT2P,B	87	152.8	15.7	0	34.4	494	26
GOLDEN HARVEST	G85Z56-3220-EZR	3220,B	85	152.8	16.0	0	34.4	493	27
DEKALB	DKC40-78RIB CK	VT2P,B	90	152.0	16.0	0	33.7	490	31
DEKALB	DKC40-78RIB CK	VT2P,B	90	152.0	16.0	0	33.7	490	31

Averages = **157.7** **16.8** **0** **33.7** **505**

LSD (0.10) = 9.4 0.6 1

LSD (0.25) = 5.0 0.3 0

C.V. = 6.6

Historic yield: new site

Luke Brendemuhl

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Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$3.25

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B2020RRSO05b

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CEC

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Applied N-P-K (units): 168-78-60

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Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
DYNA-GRO	D35VC35	VT2P	95	172.8	16.8	0	33.4	554	1
INTEGRA	4119 VT2PRIB	VT2P,B	91	172.3	18.8	0	33.7	544	2
DAIRYLAND	DS-3550AM	AM,B	95	171.3	20.8	0	33.7	532	6
THUNDER	T6094 VT2P	VT2P,B	94	169.7	17.2	0	33.7	542	3
THUNDER	T6992 VT2P	VT2P,B	92	168.6	18.4	0	34.0	534	5
GOLDEN HARVEST	G91V51-3110A	3110A	91	168.4	19.4	1	32.9	529	8
LATHAM	LH 4375 VT2P RIB	VT2P,B	93	168.3	16.4	0	33.7	541	4
PIONEER	P9211Q GC	QR,B	92	168.1	19.0	0	33.7	530	7
DAIRYLAND	DS-3366Q	QR,B	93	167.6	18.7	0	33.3	529	9
HEFTY	H4132VT2PRIB	VT2P,B	91	167.3	19.5	0	33.3	525	10
DYNA-GRO	D32VC41	VT2P	92	166.9	19.9	0	34.0	522	12
DAIRYLAND	DS-3162Q	QR,B	91	165.4	18.5	0	33.7	523	11
HEFTY	H4102VT2PRIB	VT2P,B	91	164.7	19.0	0	33.7	519	14
ENESTVEDT	E612RR	RR2	92	164.3	20.4	0	33.7	512	15
HEFTY	H4332VT2PRIB	VT2P,B	93	164.3	18.3	0	33.7	520	13
RENK	RK433VT2PRIB	VT2P,B	92	163.1	20.7	0	34.0	507	17
RENK	RK568VT2P	VT2P,B	95	162.1	22.2	0	33.7	498	23
HEFTY	H4322VT2PRIB	VT2P,B	93	161.6	20.3	0	34.4	504	19
TITAN PRO	82-95 2P	VT2P,B	95	161.5	20.4	0	33.3	503	20
GOLDEN HARVEST	G96R61-5222-EZR	5222,B	96	161.4	21.4	0	34.0	499	22
DAIRYLAND	DS-3193AM	AM,B	91	161.3	18.1	0	33.3	512	16
INTEGRA	4509 VT2PRIB	VT2P,B	95	161.1	23.0	0	34.0	491	28
DAIRYLAND	DS-3345AM	AM,B	93	159.9	18.6	0	33.7	505	18
ROB-SEE-CO	INNOTECH IC4166	3110A	91	159.3	18.8	0	33.7	502	21
RENK	RK561DGVT2PRIB	VT2PDG,B	95	159.0	20.3	0	33.7	496	24
THUNDER	T6993 VT2P	VT2P,B	93	158.2	21.8	0	33.7	487	31
PROSEED	1794 VT2PRIB	VT2P,B	94	157.7	19.6	0	34.0	494	25
ROB-SEE-CO	RC4427	3220,B	94	157.3	19.9	0	33.7	492	27
LATHAM	LH 4242 VT2P RIB	VT2P,B	92	157.3	22.0	0	32.9	484	35
NK BRAND	NK9653-5222-EZR	5222,B	96	157.0	21.2	0	33.3	486	33
DEKALB	DKC40-78RIB CK	VT2P,B	90	152.1	16.1	0	33.3	490	30

Averages = **159.0** **19.6** **0** **33.6** **499**

LSD (0.10) = 9.4 0.7 ns

LSD (0.25) = 5.0 0.4 ns

C.V. = 6.5

Historic yield: new site

Luke Brendemuhl

luke.brendemuhl@firstseedtests.com, (218) 790-4497

Yield & Income Factors:

Base Moisture = 15.0%

Shrink = 1.3

Drying = \$0.025

Prices: GMO = \$3.25

2020 Corn - Red River South North Dakota & Minnesota [RRSO]

Early-Season Test Products (44 Total)

Company/Brand	Product/Brand	Technology	RM	Seed Treat.
DAHLMAN	R45-25VT2PRIB	VT2P,B	90	AC250
DAHLMAN	R45-28VT2PRIB	VT2P,B	90	AC250
DAIRYLAND	DS-2505Q	QR	85	Lum,P1V
DAIRYLAND	DS-2716Q	QR,B	87	Lum,P1V
DAIRYLAND	DS-3030AM	AM,B	90	Lum,P1V
DEKALB	DKC40-78RIB CK	VT2P,B	90	NA
ENESTVEDT	E850DP RIB	VT2P,B	85	AC,P2
GOLDEN HARVEST	G84J92-3120A-EZR	3120A,B	86	AVC,C2,Vi
GOLDEN HARVEST	G85Z56-3220-EZR	3220,B	85	AVC,C2,Vi
GOLDEN HARVEST	G89A09-3120-EZR	3120,B	89	AVC,C2,Vi
HEFTY	H3442VT2P	VT2P	84	HC
HEFTY	H3622VT2PRIB	VT2P,B	86	HC
HEFTY	H3632VT2PRIB	VT2P,B	86	HC
HEFTY	H3712VT2PRIB	VT2P,B	87	HC
HEFTY	H4032VT2PRIB	VT2P,B	90	HC
INTEGRA	3629 VT2PRIB	VT2P,B	86	AC,P5V,St,SU
INTEGRA	3718 VT2PRIB	VT2P,B	87	AC,P2V,St,SU
INTEGRA	3839 VT2PRIB	VT2P,B	88	AC,P2V,St,SU
INTEGRA	4041 VT2P	VT2P	90	AC,P5V,St,SU
LATHAM	LH 3695 VT2P RIB	VT2P,B	86	AC250
LATHAM	LH 3827 VT2P RIB	VT2P,B	88	AC250
LATHAM	LH 3937 VT2P RIB	VT2P,B	89	AC250
NK BRAND	NK8519-3220-EZR	3220,B	85	AVC,C2,Vi
NK BRAND	NK8519-5222-EZR	5222,B	85	AVC,C2,Vi
NK BRAND	NK8618-3120A-EZR	3120A,B	86	AVC,C2,Vi
NK BRAND	NK8920-3120-EZR	3120,B	89	AVC,C2,Vi
NK BRAND	NK8920-5122-EZR	5122,B	89	AVC,C2,Vi
PIONEER	P8989AM GC	AM,B	89	NA
PROSEED	1787 VT2PRIB	VT2P,B	87	NA
PROSEED	1790 VT2PRIB	VT2P,B	90	NA
REA	2B851	VT2P,B	85	AC,P5,B360
REA	2B861	VT2P,B	86	AC,P2,B360
REA	3B903	VT2P,B	90	AC,P5,B360
RENK	RK278VT2P	VT2P,B	87	AC,P2
RENK	RK312VT2PRIB	VT2P,B	90	AC,P2
RENK	RK315VT2P	VT2P	90	AC,P2

Company/Brand	Brand/Product	Technology	RM	Seed Treat.
ROB-SEE-CO	RC3601	3011A	86	CM,C2
ROB-SEE-CO	RC4016	3120,B	90	CM,C2
THUNDER	T6085 VT2P	VT2P,B	85	AC,P2
THUNDER	T6185 VT2P	VT2P,B	85	AC,P2
THUNDER	T6190 VT2P	VT2P,B	90	AC,P2
THUNDER	T6888 VT2P	VT2P,B	88	AC,P2
THUNDER	T6987 VT2P	VT2P,B	87	AC,P2
TITAN PRO	82-90 2P	VT2P,B	90	AC250

2020 Corn - Red River South North Dakota & Minnesota [RRSO]

Full-Season Test Products (47 Total)

Company/Brand	Product/Brand	Technology	RM	Seed Treat.
DAHLMAN	R47-26VT2PRIB	VT2P,B	94	AC250
DAHLMAN	R48-28VT2PRIB	VT2P,B	95	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	DKC40-78RIB CK	VT2P,B	90	NA
DYNA-GRO	D32VC41	VT2P	92	AC,P5V,EDC-B
DYNA-GRO	D35VC35	VT2P	95	AC,P5V,EDC-B
ENESTVEDT	E612RR	RR2	92	CM,MQ,C2
GOLDEN HARVEST	G91V51-3110A	3110A	91	AVC,C2,Vi
GOLDEN HARVEST	G96R61-5222-EZR	5222,B	96	AVC,C2,Vi
HEFTY	H4102VT2PRIB	VT2P,B	91	HC
HEFTY	H4132VT2PRIB	VT2P,B	91	HC
HEFTY	H4322VT2PRIB	VT2P,B	93	HC
HEFTY	H4324SSRIB	STX,B	93	HC
HEFTY	H4332VT2PRIB	VT2P,B	93	HC
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	NK9175-3110A	3110A	91	AVC,C2,Vi
NK BRAND	NK9227-5222A-EZR	5222A,B	92	AVC,C2,Vi
NK BRAND	NK9535-3220-EZR	3220,B	95	AVC,C2,Vi
NK BRAND	NK9653-5222-EZR	5222,B	96	AVC,C5,Vi
PIONEER	P9188AMXT GC	AMXT	91	NA
PIONEER	P9211Q GC	QR,B	92	NA
PROSEED	1794 VT2PRIB	VT2P,B	94	NA
PROSEED	2091 VT2PRIB	VT2P,B	91	NA
RENK	RK433VT2PRIB	VT2P,B	92	AC,P2
RENK	RK499VT2P	VT2P	94	AC,P2
RENK	RK561DGV2PRIB	VT2PDG,B	95	AC,P2

Company/Brand	Brand/Product	Technology	RM	Seed Treat.
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

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*

3011A Agrisure® Artesian® 3011A (CB,RW,LL,GT)
 3110 Agrisure® Viptera® 3110 (Vip, CB,LL,GT)
 3110A Agrisure® Artesian® Viptera® 3110 (Vip, CB,LL,GT)
 3120 Agrisure® 3120 (CB,HX,LL,GT)
 3120A Agrisure® Artesian® 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,P2V,St,SU	Acceleron Poncho 250 Votivo, Stamina, StepUp
AC,P5,B360	Acceleron Poncho 500 with BioRise™ B-360 ST
AC,P5V,EDC-B	Acceleron, Basic Poncho 500/Votivo with Enhanced Disease Control
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
CM,MQ,C2	CruiserMaxx® Cruiser® 250, Maxim® Quattro
HC	Hefty Complete
Lum,P1V	Lumigen Poncho 1250/Votivo
Lum,P5V	Lumigen Poncho 500/Votivo

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