

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

2020 Corn Grain Top 30 Harvest Report

Red River Central North Dakota & Minnesota [RRCE] EAST
GRAND FORKS, MN
Matthew Krueger, Polk County, MN 56721

Early-Season Test 82 - 87 Day CRM
B2020RRCE02a

Top 30 of 51 For Gross Income
(Sorted by Yield)
Average of (4) Replications

PREV. CROP/HERB: Wheat / Husky

SOIL DESCRIPTION: Bearden-Colvin silty clay loam,
mod. poorly drained, non-
irrigated

SOIL CONDITION: Conventional W/ Fall Till, very
low P, medium K, 8.1 pH, 4.2%
OM, 33.3 CEC

PEST MANAGEMENT: Armezon Pro, Atrazine

FERTILITY - Applied N: 196 Spring

Applied N-P-K (units): 196-81-10

SEEDED - RATE - ROW: May 28 34.5 /A 30" spacing

HARVESTED - STAND: Oct 24 33.6 /A

TEST COMMENTS:

The Grand Forks area had a wet spring, causing many acres to be prevent plant. Matt was only able to get 80 acres of corn planted this year. The area had a large rain event in June that caused stress in some fields, and they received a few three-inch rains throughout the rest of the summer but the ground was so dry it did no significant damage. There was a frost in early September that affected test weights in full-season hybrids, thus reducing yields.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
ROB-SEE-CO	RC3240	GT	82	159.3	17.7	0	33.7	507	1
HEFTY	H3442VT2P	VT2P	84	158.9	18.5	0	33.3	503	3
BIOGENE	BG212V2	VT2P,B	81	158.5	17.3	3	33.7	506	2
NK BRAND	NK8005-3220A-EZR	3220A,B	80	158.3	19.9	0	33.3	495	4
HEFTY	H3322VT2PRIB	VT2P,B	83	155.5	18.4	0	33.3	492	5
INTEGRA	3431 VT2P	VT2P	84	154.1	19.1	0	33.7	485	9
DEKALB	DKC35-88RIB GC	VT2P,B	85	153.2	18.9	0	34.0	483	10
THUNDER	T6987 VT2P	VT2P,B	87	152.9	16.7	0	33.3	490	6
NK BRAND	NK8519-3220-EZR	3220,B	85	152.5	17.3	0	34.4	487	7
RENK	RK278VT2P	VT2P,B	87	151.8	16.9	0	33.7	486	8
THUNDER	T6185 VT2P	VT2P,B	85	150.5	18.9	1	33.3	474	14
PROSEED	1984 VT2PRIB	VT2P,B	84	150.3	19.4	0	34.0	472	16
DYNA-GRO	D27VC87	VT2P	87	150.2	17.8	0	34.4	478	11
HEFTY	H3712VT2PRIB	VT2P,B	87	150.1	17.7	0	33.3	478	12
THUNDER	T6983 VT2P	VT2P,B	83	149.6	18.8	0	33.7	472	17
INTEGRA	3718 VT2PRIB	VT2P,B	87	149.6	20.2	0	33.7	467	18
REA	2B861	VT2P,B	86	149.4	17.9	0	33.3	475	13
LATHAM	LH 3695 VT2P RIB	VT2P,B	86	148.7	17.7	0	33.7	473	15
GOLDEN HARVEST	G84J92-3120A-EZR	3120A,B	86	146.2	21.5	4	33.3	451	28
HEFTY	H3632VT2P	VT2P	86	145.9	20.1	0	33.7	456	23
PROSEED	1787 VT2PRIB	VT2P,B	87	145.8	16.9	1	33.3	467	19
INTEGRA	3629 VT2PRIB	VT2P,B	86	145.3	16.5	0	33.7	467	20
GOLDEN HARVEST	G85Z56-3220-EZR	3220,B	85	144.6	18.6	0	33.7	457	22
LATHAM	LH 3325 VT2P RIB	VT2P,B	83	144.0	19.3	0	33.7	453	26
ROB-SEE-CO	RC3041	3110A	80	143.4	18.0	0	33.7	455	24
ROB-SEE-CO	RC3601	3011A	86	143.5	19.4	4	33.7	450	30
INTEGRA	3537 VT2PRIB	VT2P,B	85	143.0	18.8	1	33.7	451	29
HEFTY	H3122VT2PRIB	VT2P,B	81	141.2	16.8	0	33.7	452	27
LATHAM	LH 3035 VT2P RIB	VT2P,B	80	140.4	17.3	0	33.3	448	31
LATHAM	LH 2977 VT2P RIB	VT2P,B	79	139.9	14.6	0	33.9	455	25
DEKALB	DKC37-50RIB CK	VT2P,B	87	146.7	18.2	0	34.0	465	21

Averages = **142.5** **17.9** **1** **33.6** **453**

LSD (0.10) = 7.9 0.7 3

LSD (0.25) = 4.2 0.4 1

C.V. = 6.1

Historic yield: 167.1 bu/a, 1 yr(s)

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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Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
RENK	RK433VT2PRIB	VT2P,B	92	143.7	23.6	0	33.3	436	1
REA	3B912	VT2P,B	91	131.9	21.2	0	33.7	408	3
HEFTY	H3622VT2PRIB	VT2P,B	86	131.6	21.0	1	33.7	408	4
RENK	RK315VT2P	VT2P	90	131.0	20.2	0	33.7	409	2
<i>GOLDEN HARVEST</i>	<i>G91V51-3110A</i>	<i>3110A</i>	<i>91</i>	128.4	25.0	0	33.3	385	7
HEFTY	H4132VT2PRIB	VT2P,B	91	125.9	21.3	0	34.0	389	6
REA	3B903	VT2P,B	90	125.6	19.5	1	34.4	394	5
LATHAM	LH 3827 VT2P RIB	VT2P,B	88	125.3	23.0	0	34.0	382	8
NK BRAND	NK9175-3110A	3110A	91	124.7	24.3	0	33.7	376	12
ROB-SEE-CO	RC4016	3120,B	90	122.8	21.2	2	33.3	380	10
PROSEED	2091 VT2PRIB	VT2P,B	91	122.7	20.7	0	33.3	381	9
THUNDER	T6190 VT2P	VT2P,B	90	120.5	19.6	0	33.3	378	11
ROB-SEE-CO	INNOTECH IC4166	3110A	91	119.8	23.6	1	33.7	364	17
DAIRYLAND	DS-3030AM	AM,B	90	119.4	20.6	1	33.7	371	13
INTEGRA	4041 VT2P	VT2P	90	118.8	20.7	1	33.3	369	14
PROSEED	1790 VT2PRIB	VT2P,B	90	118.3	21.0	0	33.7	367	15
HEFTY	H3902VT2PRIB	VT2P,B	89	117.4	19.9	0	34.4	367	16
THUNDER	T6992 VT2P	VT2P,B	92	117.0	21.8	1	34.0	360	20
HEFTY	H4144SS	STX	91	116.6	20.2	2	32.9	364	18
GOLDEN HARVEST	G89A09-3120-EZR	3120,B	89	116.0	20.3	4	32.9	362	19
GOLDEN HARVEST	G90Y04-5222A-EZR	5222A,B	92	115.9	22.8	2	34.0	354	22
LATHAM	LH 3937 VT2P RIB	VT2P,B	89	112.9	22.3	1	33.7	346	24
REA	3B923	VT2P,B	92	112.0	22.1	0	33.3	344	26
RENK	RK312VT2PRIB	VT2P,B	90	111.6	20.3	1	33.7	348	23
NK BRAND	NK8920-3120-EZR	3120,B	89	111.5	21.0	0	33.7	346	25
NK BRAND	NK8920-5122-EZR	5122,B	89	110.6	20.8	6	34.0	343	27
THUNDER	T6791 VT2P	VT2P,B	91	109.8	20.5	4	33.3	342	28
NK BRAND	NK9227-5222A-EZR	5222A,B	92	108.3	23.0	2	33.3	330	30
INTEGRA	3839 VT2PRIB	VT2P,B	88	107.8	19.2	1	33.4	339	29
HEFTY	H4032VT2PRIB	VT2P,B	90	104.2	20.0	0	33.7	326	31
DEKALB	DKC37-50RIB CK	VT2P,B	87	112.7	17.8	0	34.0	358	21

Averages = **116.9** **21.3** **1** **33.6** **361**

LSD (0.10) = 9.5 0.8 ns

LSD (0.25) = 5.0 0.4 ns

C.V. = 8.9 Historic yield: 167.1 bu/a, 1 yr(s)

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

2020 Corn - Red River Central North Dakota & Minnesota [RRCE]

Early-Season Test Products (51 Total)

Company/Brand	Product/Brand	Technology	RM	Seed Treat.
BIOGENE	BG212V2	VT2P,B	81	AC,P5V,EDC-B
BIOGENE	BG510AT	3220A,B	81	CM,C2
BIOGENE	BG520V2	VT2P,B	82	AC,P2
DAIRYLAND	DS-2350RR	RR2	83	Lum,P1V
DAIRYLAND	DS-2505Q	QR	85	Lum,P1V
DAIRYLAND	DS-2716Q	QR,B	87	Lum,P1V
DEKALB	DKC35-88RIB GC	VT2P,B	85	NA
DEKALB	DKC37-50RIB CK	VT2P,B	87	NA
DYNA-GRO	D26VC72	VT2P	86	AC,P5V,EDC-B
DYNA-GRO	D27VC87	VT2P	87	AC,P5V,EDC-B
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
HEFTY	H3122VT2PRIB	VT2P,B	81	HC
HEFTY	H3322VT2PRIB	VT2P,B	83	HC
HEFTY	H3442VT2P	VT2P	84	HC
HEFTY	H3632VT2P	VT2P	86	HC
HEFTY	H3712VT2PRIB	VT2P,B	87	HC
INTEGRA	3282 VT2PRIB	VT2P,B	82	AC,P2V,St,SU
INTEGRA	3431 VT2P	VT2P	84	AC,P5V,St,SU
INTEGRA	3537 VT2PRIB	VT2P,B	85	AC,P2V,St,SU
INTEGRA	3629 VT2PRIB	VT2P,B	86	AC,P5V,St,SU
INTEGRA	3718 VT2PRIB	VT2P,B	87	AC,P2V,St,SU
LATHAM	LH 2977 VT2P RIB	VT2P,B	79	AC250
LATHAM	LH 3035 VT2P RIB	VT2P,B	80	AC250
LATHAM	LH 3117 VT2P RIB	VT2P,B	81	AC250
LATHAM	LH 3325 VT2P RIB	VT2P,B	83	AC250
LATHAM	LH 3695 VT2P RIB	VT2P,B	86	AC250
NK BRAND	NK8005-3220A-EZR	3220A,B	80	AVC,C2,Vi
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
PROSEED	1787 VT2PRIB	VT2P,B	87	NA
PROSEED	1882 VT2PRIB	VT2P,B	82	NA
PROSEED	1984 VT2PRIB	VT2P,B	84	NA
REA	1B821	VT2P,B	82	AC,P5,B360

Company/Brand	Brand/Product	Technology	RM	Seed Treat.
REA	2B851	VT2P,B	85	AC,P5,B360
REA	2B861	VT2P,B	86	AC,P2,B360
RENK	RK227VT2P	VT2P	82	AC,P2
RENK	RK256GTCBLLRW	3111	84	CM,C2
RENK	RK278VT2P	VT2P,B	87	AC,P2
ROB-SEE-CO	RC3041	3110A	80	AVC,C2
ROB-SEE-CO	RC3240	GT	82	CM,C2
ROB-SEE-CO	RC3601	3011A	86	CM,C2
STINE	9140-G	GT	82	AC
STINE	9202-G	3011A	86	AC
THUNDER	T6085 VT2P	VT2P,B	85	AC,P2
THUNDER	T6185 VT2P	VT2P,B	85	AC,P2
THUNDER	T6782 VT2P	VT2P,B	82	AC,P2
THUNDER	T6983 VT2P	VT2P,B	83	AC,P2
THUNDER	T6987 VT2P	VT2P,B	87	AC,P2

2020 Corn - Red River Central North Dakota & Minnesota [RRCE]

Full-Season Test Products (36 Total)

Company/Brand	Product/Brand	Technology	RM	Seed Treat.
DAIRYLAND	DS-3030AM	AM,B	90	Lum,P1V
DAIRYLAND	DS-3162Q	QR,B	91	Lum,P1V
DAIRYLAND	DS-3193AM	AM,B	91	Lum,P1V
DEKALB	DKC37-50RIB CK	VT2P,B	87	NA
GOLDEN HARVEST	G89A09-3120-EZR	3120,B	89	AVC,C2,Vi
GOLDEN HARVEST	G90Y04-5222A-EZR	5222A,B	92	AVC,C2,Vi
GOLDEN HARVEST	G91V51-3110A	3110A	91	AVC,C2,Vi
HEFTY	H3622VT2PRIB	VT2P,B	86	HC
HEFTY	H3902VT2PRIB	VT2P,B	89	HC
HEFTY	H4032VT2PRIB	VT2P,B	90	HC
HEFTY	H4132VT2PRIB	VT2P,B	91	HC
HEFTY	H4144SS	STX	91	HC
INTEGRA	3839 VT2PRIB	VT2P,B	88	AC,P2V,St,SU
INTEGRA	4041 VT2P	VT2P	90	AC,P5V,St,SU
INTEGRA	4119 VT2PRIB	VT2P,B	91	AC,P2V,St,SU
LATHAM	LH 3827 VT2P RIB	VT2P,B	88	AC250
LATHAM	LH 3937 VT2P RIB	VT2P,B	89	AC250
LATHAM	LH 4242 VT2P RIB	VT2P,B	92	AC250
NK BRAND	NK8920-3120-EZR	3120,B	89	AVC,C2,Vi
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
PROSEED	1790 VT2PRIB	VT2P,B	90	NA
PROSEED	2091 VT2PRIB	VT2P,B	91	NA
REA	3B903	VT2P,B	90	AC,P5,B360
REA	3B912	VT2P,B	91	AC,P5,B360
REA	3B923	VT2P,B	92	AC,P2,B360
RENK	RK312VT2PRIB	VT2P,B	90	AC,P2
RENK	RK315VT2P	VT2P	90	AC,P2
RENK	RK433VT2PRIB	VT2P,B	92	AC,P2
ROB-SEE-CO	INNOTECH IC4166	3110A	91	AVC,C2
ROB-SEE-CO	RC4016	3120,B	90	CM,C2
THUNDER	T6190 VT2P	VT2P,B	90	AC,P2
THUNDER	T6791 VT2P	VT2P,B	91	AC,P2
THUNDER	T6888 VT2P	VT2P,B	88	AC,P2
THUNDER	T6992 VT2P	VT2P,B	92	AC,P2

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)

3110A Agrisure® Artesian® Viptera® 3110 (Vip, CB,LL,GT)

3111 Agrisure® Viptera® 3111

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®

B Blend, Refuge in a Bag (RIB) or EZ-Refuge

GT Agrisure® GT

QR Qrome™

RR2 Roundup Ready® 2 Corn

STX SmartStax®

VT2P Genuity® VT Double PRO®

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

Corn Seed Treatments**

NA	Not Available
AC	Acceleron®, unspecified
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
CM,C2	CruiserMaxx 250
HC	Hefty Complete
Lum,P1V	Lumigen Poncho 1250/Votivo

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