

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]

FAIRMOUNT, ND

Tricia Rydell, Richland County, ND 58030

Early-Season Test

85 - 90 Day CRM
B2020RRSO02a

Top 30 of 44

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

PREV. CROP/HERB:

Soybean / Verdict, Liberty,
Outlook, Intensity

SOIL DESCRIPTION:

Gilby loam, mod. poorly drained,
non-irrigated

SOIL CONDITION:

Conventional W/ Fall Till, very
low P, low K, 7.7 pH, 3.2% OM,
25.1 CEC

PEST MANAGEMENT:

Verdict, Buctril, Laudis

FERTILITY - Applied N:

165 Spring

Applied N-P-K (units):

165-52-78

SEEDED - RATE - ROW:

May 3 34.5 /A 30" spacing

HARVESTED - STAND:

Nov 4 33.7 /A

TEST COMMENTS:

The plot this year experienced strong winds in July that caused green snap throughout the plot, affecting some hybrids worse than others. Tricia said they had varying degrees of green snap in the area. Cobs had excellent fill, and diseases were not noticed throughout the growing season.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
LATHAM	LH 3827 VT2P RIB	VT2P,B	88	200.8	14.0	0	32.9	653	1
HEFTY	H3442VT2P	VT2P	84	200.0	13.6	0	33.4	650	2
PROSEED	1790 VT2PRIB	VT2P,B	90	191.2	14.1	1	33.7	621	3
PIONEER	P8989AM GC	AM,B	89	189.2	14.3	0	33.3	615	4
TITAN PRO	82-90 2P	VT2P,B	90	188.3	14.1	0	33.3	612	5
REA	2B851	VT2P,B	85	187.3	13.3	0	33.9	609	6
HEFTY	H3712VT2PRIB	VT2P,B	87	183.9	13.5	0	34.0	598	7
HEFTY	H3632VT2PRIB	VT2P,B	86	183.2	13.6	0	33.7	595	8
THUNDER	T6987 VT2P	VT2P,B	87	182.3	13.1	0	34.1	592	9
REA	3B903	VT2P,B	90	182.1	13.4	0	34.0	592	10
THUNDER	T6185 VT2P	VT2P,B	85	181.5	13.2	0	33.8	590	11
DAHLMAN	R45-25VT2PRIB	VT2P,B	90	177.4	14.2	0	33.7	577	12
RENK	RK278VT2P	VT2P,B	87	176.0	13.4	0	33.3	572	13
DAIRYLAND	DS-3030AM	AM,B	90	175.0	14.0	0	33.9	569	14
THUNDER	T6085 VT2P	VT2P,B	85	173.9	13.4	2	34.0	565	15
INTEGRA	3629 VT2PRIB	VT2P,B	86	173.4	13.2	1	34.0	563	16
LATHAM	LH 3695 VT2P RIB	VT2P,B	86	169.7	13.6	2	33.5	552	17
LATHAM	LH 3937 VT2P RIB	VT2P,B	89	167.6	13.9	4	33.4	545	18
NK BRAND	NK8519-5222-EZR	5222,B	85	167.5	14.4	11	33.9	544	19
REA	2B861	VT2P,B	86	161.9	13.4	3	33.4	526	20
DAHLMAN	R45-28VT2PRIB	VT2P,B	90	160.4	13.9	2	33.5	521	21
RENK	RK315VT2P	VT2P	90	156.5	14.2	0	33.7	508	22
PROSEED	1787 VT2PRIB	VT2P,B	87	155.4	13.3	1	33.3	505	23
THUNDER	T6190 VT2P	VT2P,B	90	154.8	14.0	0	33.4	503	24
INTEGRA	4041 VT2P	VT2P	90	150.9	13.9	2	34.2	490	25
INTEGRA	3718 VT2PRIB	VT2P,B	87	150.6	14.4	0	34.4	489	26
ENESTVEDT	E850DP RIB	VT2P,B	85	149.8	14.0	1	33.8	487	27
ROB-SEE-CO	RC3601	3011A	86	146.9	14.9	9	33.7	477	29
HEFTY	H4032VT2PRIB	VT2P,B	90	146.8	13.9	11	33.3	477	30
HEFTY	H3622VT2PRIB	VT2P,B	86	143.2	14.0	7	32.9	465	31
DEKALB	DKC40-78RIB CK	VT2P,B	90	149.6	13.3	0	33.8	486	28

Averages = **155.1** **13.8** **9** **33.7** **503**

LSD (0.10) = 14.2 0.4 8

LSD (0.25) = 7.4 0.2 4

Luke Brendemuhl

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

C.V. = 10.0

Historic yield: 173.0 bu/a, 2 yr(s)

Yield & Income Factors:

Base Moisture = 15.0%

Shrink = 1.3

Drying = \$0.025

Prices: GMO = \$3.25

Report Date: 11/05/2020

† 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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FAIRMOUNT, ND

Tricia Rydell, Richland County, ND 58030

Full-Season Test

91 - 95 Day CRM
B2020RRSO02b

Top 30 of 47

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

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Soybean / Verdict, Liberty,
Outlook, Intensity

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Applied N-P-K (units):

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SEEDED - RATE - ROW:

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HARVESTED - STAND:

Nov 4 33.6 /A

TEST COMMENTS:

The plot this year experienced strong winds in July that caused green snap throughout the plot, affecting some hybrids worse than others. Tricia said they had varying degrees of green snap in the area. Cobs had excellent fill, and diseases were not noticed throughout the growing season.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
RENK	RK561DGVT2PRIB	VT2PDG,B	95	220.5	16.4	1	33.7	709	1
RENK	RK433VT2PRIB	VT2P,B	92	213.4	14.6	0	33.4	694	2
LATHAM	LH 4242 VT2P RIB	VT2P,B	92	210.5	15.8	0	33.3	680	3
PIONEER	P9211Q GC	QR,B	92	210.2	16.3	3	33.4	676	4
ROB-SEE-CO	INNOTECH IC4166	3110A	91	209.1	16.2	0	34.4	673	6
ENESTVEDT	E612RR	RR2	92	208.3	15.3	1	33.9	675	5
DAIRYLAND	DS-3550AM	AM,B	95	206.2	16.3	0	33.7	663	7
TITAN PRO	82-95 2P	VT2P,B	95	202.5	16.4	0	33.7	651	8
GOLDEN HARVEST	G96R61-5222-EZR	5222,B	96	202.4	17.1	0	33.4	647	10
RENK	RK568VT2P	VT2P,B	95	201.7	17.3	0	33.9	644	13
LATHAM	LH 4454 VT2P RIB	VT2P,B	94	200.8	16.4	0	33.9	646	11
THUNDER	T6094 VT2P	VT2P,B	94	200.4	15.3	0	33.3	650	9
ROB-SEE-CO	RC4535	3110	95	200.3	16.9	0	34.0	642	15
DAHLMAN	R48-28VT2PRIB	VT2P,B	95	199.2	16.3	0	33.7	641	16
LATHAM	LH 4375 VT2P RIB	VT2P,B	93	198.7	14.5	1	33.3	646	12
THUNDER	T6992 VT2P	VT2P,B	92	198.3	14.7	0	33.9	644	14
THUNDER	T6993 VT2P	VT2P,B	93	197.9	15.6	0	33.7	640	17
DYNA-GRO	D35VC35	VT2P	95	196.1	15.0	0	33.7	637	18
HEFTY	H4322VT2PRIB	VT2P,B	93	194.9	16.0	0	33.7	628	19
NK BRAND	NK9653-5222-EZR	5222,B	96	194.9	17.6	1	34.0	621	21
INTEGRA	4509 VT2PRIB	VT2P,B	95	193.5	17.5	2	33.3	617	23
INTEGRA	4119 VT2PRIB	VT2P,B	91	192.0	15.1	2	34.0	624	20
LATHAM	LH 4517 VT2P RIB	VT2P,B	95	191.4	15.4	0	33.4	620	22
ROB-SEE-CO	RC4343	3220A,B	93	188.2	17.3	6	33.7	601	24
NK BRAND	NK9227-5222A-EZR	5222A,B	92	186.4	16.9	11	33.4	597	25
NK BRAND	NK9175-3110A	3110A	91	184.2	15.3	2	33.7	597	26
ROB-SEE-CO	RC4427	3220,B	94	184.2	16.5	12	33.4	592	27
DAHLMAN	R47-26VT2PRIB	VT2P,B	94	181.7	14.4	0	33.3	591	28
DYNA-GRO	D32VC41	VT2P	92	179.5	14.7	6	33.7	583	29
HEFTY	H4332VT2PRIB	VT2P,B	93	177.1	16.2	13	33.3	570	30
DEKALB	DKC40-78RIB CK	VT2P,B	90	162.9	13.6	0	34.4	529	40

Averages = **182.8** **15.6** **5** **33.6** **589**

LSD (0.10) = 21.0 0.9 9

LSD (0.25) = 11.0 0.5 5

Luke Brendemuhl

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

C.V. = 12.6

Historic yield: 173.0 bu/a, 2 yr(s)

Yield & Income Factors:

Base Moisture = 15.0%

Shrink = 1.3

Drying = \$0.025

Prices: GMO = \$3.25

Report Date: 11/05/2020

† 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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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

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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.