

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

## 2019 Corn Grain Top 30 Harvest Report

Red River Central North Dakota & Minnesota [RRCE]  
GEORGETOWN, MN

WCD Brendemuhl Farms Curtis Brendemuhl, Clay County,  
MN 56560

<b>Early-Season Test</b>	80 - 85 Day CRM B2019RRCE01a
<b>Top 30 of 32</b>	For Gross Income (Sorted by Yield) Average of (4) Replications
<b>PREV. CROP/HERB:</b>	Soybean / Fierce, Glyphosate, Dual
<b>SOIL DESCRIPTION:</b>	Fargo silty clay loam, poor drained, non-irrigated
<b>SOIL CONDITION:</b>	Conventional W/ Fall Till, high P, high K, 6.6 pH, 5.4% OM, 35.6 CEC
<b>PEST MANAGEMENT:</b>	Armezon Pro, Atrazine
<b>FERTILITY - Applied N:</b>	17.0 Fall, 91 Spring, 60 Sidedress
<b>Applied N-P-K (units):</b>	168-78-60
<b>SEEDED - RATE - ROW:</b>	May 14 34.5 /A 30" spacing
<b>HARVESTED - STAND:</b>	Oct 30 33.6 /A

### TEST COMMENTS:

The plot was planted the same day as the surrounding field into good soil conditions on the highest point of a well drained field. In early July this site and surrounding area received 7 inches of rain in a two week period, which killed or damaged crops in poorly drained fields and ditch bottoms. Harvest has been delayed due to overly saturated soil conditions. Cobs in the plot were full to the tips, and grain moistures were comparable to what has been seen around the area for these given maturities.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank	
GOLDEN HARVEST	G84J92-3120A-EZR	3120,A,B	84	<b>196.8</b>	25.8	5	33.3	585	2	
STINE	9140-G	GT	82	<b>188.7</b>	23.4	1	34.0	572	3	
HEFTY	H3122VT2PRIB	VT2P,B	81	<b>187.1</b>	23.0	1	34.0	569	4	
NK BRAND	NK8455-3220A-EZR	3220,A,B	84	<b>185.1</b>	23.5	3	33.3	560	6	
HEFTY	H3322VT2PRIB	VT2P,B	83	<b>184.5</b>	22.5	0	34.0	563	5	
LATHAM	LH3325VT2PRIB	VT2P,B	83	<b>183.5</b>	22.5	0	33.7	560	7	
NK BRAND	NK8204-3220-EZR	3220,B	82	181.5	22.2	1	32.9	555	8	
THUNDER	6782 VT2P	VT2P,B	82	180.1	22.2	1	33.7	551	9	
DAIRYLAND	DS-9085	3122	84	179.1	22.9	5	34.4	545	10	
GOLDEN HARVEST	G85Z56-3220-EZR	3220,B	85	178.4	22.6	1	33.7	544	11	
PROSEED	1984VT2PRIB	VT2P,B	84	177.9	22.8	0	33.3	542	12	
THUNDER	6983 VT2P	VT2P,B	83	177.4	22.9	0	33.7	540	13	
DAIRYLAND	EXP-08508	AMXT,B	85	173.5	23.4	1	33.7	526	14	
INTEGRA	CX811083	VT2P	83	173.5	23.8	0	33.7	524	16	
THUNDER	6085 VT2P	VT2P,B	85	173.2	23.4	1	33.3	525	15	
INTEGRA	3537	VT2P,B	85	172.9	24.2	1	32.9	520	18	
LATHAM	LH3427GTCBLL	3010	84	172.1	23.4	2	34.0	522	17	
DYNA-GRO	D22QH42	3110	82	170.3	23.4	5	34.0	516	19	
INTEGRA	3282	VT2P,B	82	167.8	22.4	3	33.3	513	20	
GOLDEN HARVEST	G80Q01-3110A	3110,A	80	167.2	23.0	7	34.0	508	22	
HEFTY	H3532VT2P	VT2P	85	166.9	23.1	0	33.7	507	23	
LATHAM	LH3151RR	RR2	81	166.6	22.2	3	33.7	510	21	
NK BRAND	NK8005-3110A	3110,A	80	165.8	23.2	5	33.7	503	24	
HEFTY	H3432VT2PRIB	VT2P,B	84	165.1	23.8	0	33.7	499	25	
RENK	RK264RR	RR2	85	164.0	24.1	0	34.0	494	26	
THUNDER	6081 3220	3220,B	81	160.9	23.6	10	33.7	487	27	
BIOGENE	BG510VP GC	3110,A,B	81	158.9	23.3	6	33.7	482	28	
LATHAM	LH3547VT2PRIB	VT2P,B	85	158.4	24.0	0	33.3	477	29	
LATHAM	LH3035VT2PRIB	VT2P,B	80	153.1	22.6	1	34.0	467	30	
ENESTVEDT	E843RR	RR2	85	151.9	23.8	1	33.7	459	31	
DEKALB	DKC35-88RIB CK	VT2P,B	85	197.1	23.0	1	33.3	599	1	
				Averages =	<b>172.5</b>	<b>23.2</b>	<b>2</b>	<b>33.6</b>	<b>524</b>	
				LSD (0.10) =	10.5	0.7	3			
				LSD (0.25) =	5.5	0.4	1			
				C.V. =	6.7					

Luke Brendemuhl

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### Yield & Income Factors:

Base Moisture = 15.0%

Shrink = 1.3

Drying = \$0.025

Prices: GMO = \$3.24

Report Date: 10/31/2019

Additional reports available at [www.firstseedtests.com](http://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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GEORGETOWN, MN

WCD Brendemuhl Farms Curtis Brendemuhl, Clay County,  
MN 56560

<b>Full-Season Test</b>	86 - 90 Day CRM B2019RRCE01b
<b>Top 30 of 44</b>	For Gross Income (Sorted by Yield) Average of (4) Replications
<b>PREV. CROP/HERB:</b>	Soybean / Fierce, Glyphosate, Dual
<b>SOIL DESCRIPTION:</b>	Fargo silty clay loam, poor drained, non-irrigated
<b>SOIL CONDITION:</b>	Conventional W/ Fall Till, high P, high K, 6.6 pH, 5.4% OM, 35.6 CEC
<b>PEST MANAGEMENT:</b>	Armezon Pro, Atrazine
<b>FERTILITY - Applied N:</b>	17.0 Fall, 91 Spring, 60 Sidedress
<b>Applied N-P-K (units):</b>	168-78-60
<b>SEEDED - RATE - ROW:</b>	May 14 34.5 /A 30" spacing
<b>HARVESTED - STAND:</b>	Oct 30 33.7 /A

### TEST COMMENTS:

The plot was planted the same day as the surrounding field into good soil conditions on the highest point of a well drained field. In early July this site and surrounding area received 7 inches of rain in a two week period, which killed or damaged crops in poorly drained fields and ditch bottoms. Harvest has been delayed due to overly saturated soil conditions. Cobs in the plot were full to the tips, and grain moistures were comparable to what has been seen around the area for these given maturities.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
STINE	9212-10	3010,A	89	<b>200.7</b>	26.3	0	34.0	594	1
NK BRAND	NK8881-3120A-EZR	3120,A,B	88	<b>197.5</b>	26.6	3	33.7	583	2
NK BRAND	NK8618-3120A-EZR	3120,A,B	86	<b>194.9</b>	26.3	1	34.0	576	3
MUSTANG	2291VT2PRIB GC	VT2P,B	91	193.7	26.8	0	33.7	570	6
<i>GOLDEN HARVEST</i>	G90Y04-3220A-EZR	3220,A,B	92	193.0	28.4	6	33.7	561	11
DAIRYLAND	DS-6686	GT	87	192.1	25.6	2	34.0	571	5
THUNDER	6987 VT2P	VT2P,B	87	191.6	24.6	0	34.0	575	4
GOLDEN HARVEST	G88F37-3120A-EZR	3120,A,B	88	190.8	26.0	1	33.7	566	7
LATHAM	LH3937VT2PRIB	VT2P,B	89	190.8	26.7	0	33.7	562	9
GOLDEN HARVEST	G89A09-3120-EZR	3120,B	89	190.7	26.7	0	33.7	562	10
PROSEED	1790VT2PRIB	VT2P,B	90	190.3	26.2	1	32.9	563	8
TITAN PRO	82-90 2P	VT2P,B	90	189.4	26.2	0	33.3	560	12
HEFTY	H3922VT2PRIB	VT2P,B	89	188.3	26.8	0	32.9	555	15
PROSEED	1787VT2PRIB	VT2P,B	87	186.5	24.4	0	34.0	560	13
INTEGRA	CX911090	VT2P	90	186.4	25.5	1	33.7	555	16
LATHAM	EX 3945 VT2P	VT2P	89	186.1	27.0	0	33.7	547	19
INTEGRA	3629	VT2P,B	86	185.6	24.4	0	33.3	558	14
THUNDER	6090 3120	3120,B	90	184.7	27.1	1	32.9	542	24
REA	3B902	VT2P,B	90	184.2	25.9	0	34.0	547	20
HEFTY	H3632VT2P	VT2P	86	184.1	25.6	1	33.7	548	18
RENK	RK408VT2P	VT2P,B	90	184.0	26.1	0	34.0	545	22
RENK	RK312VT2P	VT2P	90	183.9	26.1	0	34.0	545	23
RENK	RK278VT2P	VT2P,B	87	183.5	24.6	0	32.9	551	17
HEFTY	H4012VT2PRIB	VT2P,B	90	183.5	26.7	1	33.3	541	26
LATHAM	LH3755VT2PRIB	VT2P,B	87	183.2	25.4	1	33.3	546	21
THUNDER	6888 VT2P	VT2P,B	88	183.0	26.6	1	34.0	540	27
HEFTY	H4032VT2P	VT2P	90	181.8	25.7	1	33.3	540	28
REA	3A891	STX,B	89	181.7	26.6	0	33.7	536	29
MUSTANG	3287VT2PRIB GC	VT2P,B	87	180.6	24.6	0	34.4	542	25
REA	2B862	VT2P,B	86	180.2	25.7	0	33.7	536	30
DEKALB	DKC35-88RIB CK	VT2P,B	85	175.5	25.3	0	33.7	523	38
				Averages =	<b>183.5</b>	<b>25.9</b>	<b>1</b>	<b>33.7</b>	<b>545</b>
				LSD (0.10) =	10.4	0.9	1		
				LSD (0.25) =	5.4	0.5	1		
				C.V. =	6.2				

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### Yield & Income Factors:

Base Moisture = 15.0%

Shrink = 1.3

Drying = \$0.025

Prices: GMO = \$3.24

Report Date: 10/31/2019

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## 2019 Corn - Red River Central North Dakota & Minnesota [ RRCE ]

### Early-Season Test Products (32 Total)

Company/Brand	Product/Brand	Technology	RM
BIOGENE	BG510VP GC	3110,A,B	81
DAIRYLAND	DS-9085	3122	84
DAIRYLAND	EXP-08508	AMXT,B	85
DEKALB	DKC35-88RIB CK	VT2P,B	85
DYNA-GRO	D22QH42	3110	82
ENESTVEDT	E843RR	RR2	85
GOLDEN HARVEST	G80Q01-3110A	3110,A	80
GOLDEN HARVEST	G84J92-3120A-EZR	3120,A,B	84
GOLDEN HARVEST	G85Z56-3220-EZR	3220,B	85
HEFTY	H3122VT2PRIB	VT2P,B	81
HEFTY	H3322VT2PRIB	VT2P,B	83
HEFTY	H3432VT2PRIB	VT2P,B	84
HEFTY	H3532VT2P	VT2P	85
INTEGRA	3009	VT2P	80
INTEGRA	3282	VT2P,B	82
INTEGRA	3537	VT2P,B	85
INTEGRA	CX811083	VT2P	83
LATHAM	LH3035VT2PRIB	VT2P,B	80
LATHAM	LH3151RR	RR2	81
LATHAM	LH3325VT2PRIB	VT2P,B	83
LATHAM	LH3427GTCBLL	3010	84
LATHAM	LH3547VT2PRIB	VT2P,B	85
NK BRAND	NK8005-3110A	3110,A	80
NK BRAND	NK8204-3220-EZR	3220,B	82
NK BRAND	NK8455-3220A-EZR	3220,A,B	84
PROSEED	1984VT2PRIB	VT2P,B	84
RENK	RK264RR	RR2	85
STINE	9140-G	GT	82
THUNDER	6081 3220	3220,B	81
THUNDER	6085 VT2P	VT2P,B	85
THUNDER	6782 VT2P	VT2P,B	82
THUNDER	6983 VT2P	VT2P,B	83

## 2019 Corn - Red River Central North Dakota & Minnesota [ RRCE ]

### Full-Season Test Products (44 Total)

Company/Brand	Product/Brand	Technology	RM
DAIRYLAND	DS-2989Z	3120	89
DAIRYLAND	DS-6686	GT	87
DEKALB	DKC35-88RIB CK	VT2P,B	85
DYNA-GRO	D27VC87	VT2P	87
ENESTVEDT	E878DP RIB	VT2P,B	87
GOLDEN HARVEST	G88F37-3120A-EZR	3120,A,B	88
GOLDEN HARVEST	G89A09-3120-EZR	3120,B	89
GOLDEN HARVEST	G90Y04-3220A-EZR	3220,A,B	92
HEFTY	H3632VT2P	VT2P	86
HEFTY	H3712VT2PRIB	VT2P,B	87
HEFTY	H3922VT2PRIB	VT2P,B	89
HEFTY	H4012VT2PRIB	VT2P,B	90
HEFTY	H4032VT2P	VT2P	90
INTEGRA	3629	VT2P,B	86
INTEGRA	3718	VT2P,B	87
INTEGRA	3839	VT2P,B	88
INTEGRA	CX911090	VT2P	90
LATHAM	EX 3945 VT2P	VT2P	89
LATHAM	LH3695VT2PRIB	VT2P,B	86
LATHAM	LH3755VT2PRIB	VT2P,B	87
LATHAM	LH3827VT2PRIB	VT2P,B	88
LATHAM	LH3937VT2PRIB	VT2P,B	89
MUSTANG	2290VT2PRIB GC	VT2P,B	90
MUSTANG	2291VT2PRIB GC	VT2P,B	91
MUSTANG	3287VT2PRIB GC	VT2P,B	87
NK BRAND	NK8618-3120A-EZR	3120,A,B	86
NK BRAND	NK8881-3120A-EZR	3120,A,B	88
PROSEED	1787VT2PRIB	VT2P,B	87
PROSEED	1790VT2PRIB	VT2P,B	90
REA	2A872	VT2P,B	87
REA	2B862	VT2P,B	86
REA	3A891	STX,B	89
REA	3B902	VT2P,B	90
RENK	RK278VT2P	VT2P,B	87
RENK	RK287VT2P	VT2P,B	87
RENK	RK312VT2P	VT2P	90

Company/Brand	Brand/Product	Technology	RM
RENK	RK408VT2P	VT2P,B	90
STINE	9212-10	3010,A	89
THUNDER	6090 3120	3120,B	90
THUNDER	6789 VT2P	VT2P,B	89
THUNDER	6888 VT2P	VT2P,B	88
THUNDER	6986 VT2P	VT2P,B	86
THUNDER	6987 VT2P	VT2P,B	87
TITAN PRO	82-90 2P	VT2P,B	90

## Footnotes and Abbreviations Descriptions

### Brand Footnotes

<sup>^</sup> 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\*

3010	Agrisure® 3010 (CB,LL,GT)	AMXT	Optimum® AcreMax® Xtreme (YGCB,HXT,RW,LL,RR2)	OI	Optimum® Intrasect®, YHR (YGCB,HX,LL,RR2)
3011,A	Agrisure® Artesian® (CB,RW,LL,GT)	AQ	Optimum® AQUAMax®	OIX	Optimum® Intrasect® Xtra, YXR (YGCB,HXT,LL,RR2)
3110	Agrisure® Viptera® 3110 (Vip, CB,LL,GT)	B	Refuge blend product	OIXT	Optimum® Intrasect® Xtreme (YGCB,HXT,RW,LL,RR2)
3111	Agrisure® Viptera® 3111 (Vip,CB,RW,LL,GT)	CB	Agrisure® Corn Borer	PC	PowerCore™ (HX, VT2P)
3120	Agrisure® 3120 (CB,HX,LL,GT)	DG	Genuity® DroughtGard®	RR2	Roundup Ready® 2 Corn
3122	Agrisure® 3122 (CB,HXX,RW,LL,GT)	E	Enlist™ (2,4-D, glyphosate, fop herbicide tolerance)	RW	Agrisure® Rootworm
3220	Agrisure® Viptera® 3220 (Vip,CB,HX,LL,GT)	GT	Agrisure® GT	STX	SmartStax® (VT3P,HXT,RR2,LL)
3330	Agrisure® Viptera® 3330 (Vip,CB,HX,LL,GT)	HX	Herculex® 1, contains LL	TRE	Genuity® Trecepta™
A	Agrisure® Artesian®	HXRW	Herculex® Rootworm, contains LL	VT2P	Genuity® VT Double PRO®
AM	Optimum® AcreMax® (YGCB,HX,LL,RR2)	HXT	Herculex® Xtra (HX,HXRW,LL)	VT3P	Genuity® VT Triple PRO®
AMT	Optimum® AcreMax®TRIssect (HX,RW,LL,RR2)	LL	LibertyLink®	YGCB	YieldGard® Corn Borer
AMX	Optimum® AcreMax® Xtra (YGCB,HXT,LL,RR2)	None	conventional corn		

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