

2018 Corn Grain Top 30 Harvest Report

Red River Valley Central [RRCE] GEORGETOWN
WCD Brendemuhl Farms, Curtis Brendemuhl, Clay County, MN 56560



PREV. CROP/HERB: Soybean / Roundup, Flexstar
SOIL DESCRIPTION: Fargo silty clay loam, poor drained, non-irrigated
SOIL CONDITION: Conventional w/ fall till, medium P, high K, 6.6 pH, 4.5% OM, 37.2 CEC
PEST MANAGEMENT: Capreno, atrazine
FERTILITY - Applied N: 11 Fall, 92 Spring, 0 Planter, 60 Side,
Applied N-P-K (units): 163-52-30
SEEDING - RATE - ROW: May 7 33,000 /A 30" spacing
HARVESTED - STAND: Oct 2 31,300 /A

Early-Season Test

80 - 85 Day CRM
B2018RRCE01a

Top 30 of 32

For Gross Income (Sorted by Yield)
Average of (3) Replications

Company/Brand	Product/Brand†	Technol.†	RM	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Golden Harvest	G82M47-3220-EZR	3220,B	82	211.5	21.1	0	31.0	549	2
NuTech	5GN-8484	3110,A	84	206.6	20.8	0	30.2	538	4
NuTech	5N-183	3000GT	83	204.0	18.6	0	32.1	543	3
Renk	RK264RR	RR2	85	203.7	21.2	0	31.4	529	6
Hefty	H3502VT2PRIB	VT2P,B	85	202.3	20.2	0	29.9	530	5
NK Brand	NK8455-3220A-EZR	3220,A,B	84	200.9	21.5	0	31.7	520	7
Partners Brand	PB 5203-3000GT GC	3000GT	82	198.5	20.8	0	31.7	517	8
NK Brand	NK8005-3110A	3110,A	80	198.5	21.0	0	32.1	516	9
NK Brand	NK8519-3110	3110	85	198.2	21.5	0	30.6	513	10
Latham	LH3585VT2Pro	VT2P	85	195.5	20.8	0	31.7	509	12
Prairie Brand	3218PWRA GC	PC,B	82	194.9	20.0	0	32.1	512	11
Hefty	H3122VT2P	VT2P	81	193.3	20.0	0	32.1	507	13
Thunder	6983VT2P	VT2P	83	191.7	20.5	0	30.2	501	14
Thunder	6785VT2P	VT2P,B	85	190.8	20.8	0	31.0	497	16
Partners Brand	PB 5630-VIP3110 GC	3110	84	188.5	20.5	0	31.0	492	18
Latham	LH3151RR	RR2	81	188.4	18.8	0	31.4	500	15
Golden Harvest	G80Q01-3110A	3110,A	80	187.0	20.1	0	31.0	490	19
Enestvedt	E843RR	RR2	85	187.0	21.9	0	31.4	482	21
Thunder	6782VT2P	VT2P,B	81	186.6	19.0	0	32.1	494	17
Proseed	1385VT2PRIB	VT2P,B	85	185.0	19.3	0	30.6	489	20
Hefty	H3022VT2P	VT2P	80	182.2	20.4	0	31.4	476	23
Proseed	1382VT2PRIB	VT2P,B	82	180.8	20.3	0	31.4	473	24
Thunder	4383VT2P	VT2P,B	83	180.6	18.5	0	31.0	481	22
Latham	EX3325VT2Pro	VT2P	83	178.7	21.4	0	31.4	463	26
Mustang	2283VT2PRIB	VT2P,B	83	176.8	20.2	0	31.0	463	27
Dyna-Gro	D22VC62	VT2P	82	176.7	19.1	0	32.1	468	25
Renk	RK270RR	RR2	85	176.1	20.0	0	31.0	462	28
Hefty	H2922VT2P	VT2P	80	169.1	18.4	0	31.0	451	29
Latham	LH3117VT2ProRIB	VT2P,B	81	166.5	18.6	0	31.4	443	30
Dairyland	RPM-2918AM	AM,B	85	158.5	20.3	0	31.4	415	31
Dekalb	DKC35-88RIB CK	VT2P,B	85	210.6	20.1	0	31.0	552	1

Averages = **187.9** **20.2** **0** **31.3** **492**

LSD (0.10) = 12.1 1.0 ns

LSD (0.25) = 6.4 0.5 ns

C.V. = 7.1 Prev. years average yield, 185.9 bu/a, 2 yrs

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$2.75; non-GMO = \$2.75

Test Comments: The tests received adequate rainfall throughout the growing season, except for period from mid-July to mid-August.

The growing season was a hot one, delivering 2,510 GDU's from planting to maturity, an estimated 7% warmer than the 10-year average.

Area yields have ranged from 150 to 200+ bu/ac depending upon hybrid and how well it handled the dry spell this summer.

† 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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HARVESTED - STAND: Oct 2 31,400 /A

Full-Season Test
86 - 90 Day CRM
B2018RRCE01b

Top 30 of 40

For Gross Income (Sorted by Yield)

Average of (3) Replications

Company/Brand	Product/Brand†	Technol.†	RM	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Hefty	H4012VT2PRIB	VT2P,B	90	223.1	22.5	0	30.2	572	1
Renk	RK408VT2P	VT2P,B	90	219.7	22.2	0	30.6	565	2
Mustang	3287VT2PRIB	VT2P,B	87	216.0	22.8	0	31.7	552	4
REA	2B861	VT2P,B	86	215.6	23.1	0	32.1	549	7
NK Brand	NK8618-3011A	3011,A	86	215.4	22.5	0	30.6	552	5
Thunder	6987VT2P	VT2P	87	215.1	22.4	0	31.4	552	6
Latham	LH3695VT2ProRIB	VT2P,B	86	214.8	21.3	0	32.1	557	3
Latham	LH3937VT2ProRIB	VT2P,B	89	213.9	23.5	0	31.4	543	11
REA	3B891	VT2P,B	89	213.5	22.1	0	32.1	549	8
Taylor	8186VT2ProRIB GC	VT2P,B	86	213.2	23.0	0	31.4	544	10
Hefty	H3922VT2P	VT2P	89	211.8	22.4	0	30.6	543	12
NK Brand	NK8920-3120-EZR	3120,B	89	211.7	21.9	0	31.4	546	9
Mustang	2290VT2PRIB	VT2P,B	90	207.9	22.7	0	31.7	532	17
REA	3B902	VT2P,B	90	207.5	22.4	0	31.4	532	18
Hefty	H3622VT2P	VT2P	86	207.4	21.6	0	32.1	536	14
NuTech	5N-886	3011,A	86	206.9	21.8	0	31.4	534	16
NK Brand	NK8881-3010A	3010,A	88	206.2	21.0	0	30.6	536	15
Golden Harvest	G84J92-3011A	3011,A	85	205.5	21.5	0	31.7	532	19
Latham	LH3755VT2ProRIB	VT2P,B	87	205.1	22.9	0	31.7	524	23
Golden Harvest	G89A09-3120-EZR	3120,B	89	204.9	22.5	0	30.6	525	22
Thunder	6986VT2P	VT2P	86	204.2	21.7	0	31.7	527	21
Enestvedt	E878VT2PRIB	VT2P,B	87	203.5	21.3	0	31.7	528	20
Dairyland	DS-9686	3000GT	86	202.4	22.0	0	30.6	521	25
Enestvedt	E875RR	RR2	88	201.1	21.0	0	31.7	523	24
Hefty	H3712VT2PRIB	VT2P,B	87	201.0	21.7	0	30.6	519	27
Dyna-Gro	D27VC47	VT2P	87	200.6	21.9	0	31.0	517	28
Dyna-Gro	D27VC87	VT2P	87	200.2	21.1	0	31.7	520	26
Pioneer	P9188AM GC	AM,B	91	199.5	22.5	0	31.0	511	30
Golden Harvest	G88F37-3010A	3010,A	88	199.2	21.4	0	32.5	516	29
Proseed	1787VT2PRIB	VT2P,B	87	197.2	21.3	0	31.7	511	31
Dekalb	DKC35-88RIB CK	VT2P,B	85	205.9	20.3	0	31.7	539	13

Averages = **204.8** **22.1** **0** **31.4** **527**

LSD (0.10) = 11.2 0.9 ns

LSD (0.25) = 5.9 0.5 ns

C.V. = 6.0 Prev. years average yield, 185.9 bu/a, 2 yrs

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Early-Season Test Products (32 Total)

Company/Brand	Product/Brand	Technol.	Seed Trt.	RM	Company/Brand	Product/Brand	Technol.	Seed Trt.	RM
Dairyland	RPM-2918AM	AM,B	CM,C2,R,Lu	85					
Dekalb	DKC35-88RIB CK	VT2P,B	AC,P2	85					
Dyna-Gro	D22VC62	VT2P	AC,P5V	82					
Enestvedt	E843RR	RR2	CM,C2,Vi	85					
Golden Harvest	G80Q01-3110A	3110,A	AVC,C2,Vi	80					
Golden Harvest	G82M47-3220-EZR	3220,B	AVC,C2,Vi	82					
Hefty	H2922VT2P	VT2P	HC	80					
Hefty	H3022VT2P	VT2P	HC	80					
Hefty	H3122VT2P	VT2P	HC	81					
Hefty	H3502VT2PRIB	VT2P,B	HC	85					
Latham	EX3325VT2Pro	VT2P	AC,P5V	83					
Latham	LH3117VT2ProRIB	VT2P,B	AC,P2	81					
Latham	LH3151RR	RR2	AC,P2	81					
Latham	LH3585VT2Pro	VT2P	AC,P5V	85					
Mustang	2283VT2PRIB	VT2P,B	AC,P2	83					
NK Brand	NK8005-3110A	3110,A	AVC,C2,Vi	80					
NK Brand	NK8455-3220A-EZR	3220,A,B	AVC,C2,Vi	84					
NK Brand	NK8519-3110	3110	AVC,C2,Vi	85					
NuTech	5GN-8484	3110,A	MQ,P5V,R	84					
NuTech	5N-183	3000GT	MQ,P5V,R	83					
Partners Brand	PB 4833RR GC	RR2	CM,C2	78					
Partners Brand	PB 5203-3000GT GC	3000GT	CM,C2	82					
Partners Brand	PB 5630-VIP3110 GC	3110	AL2500	84					
Prairie Brand	3218PWRA GC	PC,B	CM,C5,Vi,ln	82					
Proseed	1382VT2PRIB	VT2P,B	AC,P2	82					
Proseed	1385VT2PRIB	VT2P,B	AC,P2	85					
Renk	RK264RR	RR2	AC,P2	85					
Renk	RK270RR	RR2	AC,P2	85					
Thunder	4383VT2P	VT2P,B	AC,P2	83					
Thunder	6782VT2P	VT2P,B	AC,P2	81					
Thunder	6785VT2P	VT2P,B	AC,P2	85					
Thunder	6983VT2P	VT2P	AC,P2	83					

2018 Corn Grain - Red River Valley Central [RRCE]



Full-Season Test Products (40 Total)

Company/Brand	Product/Brand	Technol.	Seed Trt.	RM	Company/Brand	Product/Brand	Technol.	Seed Trt.	RM
Dairyland	DS-9686	3000GT	CM,C5,Vi,In	86					
Dekalb	DKC35-88RIB CK	VT2P,B	AC,P2	85					
Dyna-Gro	D27VC47	VT2P	AC,P5V	87					
Dyna-Gro	D27VC87	VT2P	AC,P5V	87					
Enestvedt	E875RR	RR2	CM,C2,Vi	88					
Enestvedt	E878VT2PRIB	VT2P,B	AC,P2	87					
Golden Harvest	G84J92-3011A	3011,A	AVC,C2,Vi	85					
Golden Harvest	G88F37-3010A	3010,A	AVC,C2,Vi	88					
Golden Harvest	G89A09-3120-EZR	3120,B	AVC,C2,Vi	89					
Hefty	H3622VT2P	VT2P	HC	86					
Hefty	H3712VT2PRIB	VT2P,B	HC	87					
Hefty	H3922VT2P	VT2P	HC	89					
Hefty	H4012VT2PRIB	VT2P,B	HC	90					
Latham	LH3695VT2ProRIB	VT2P,B	AC,P5V	86					
Latham	LH3755VT2ProRIB	VT2P,B	AC,P2	87					
Latham	LH3937VT2ProRIB	VT2P,B	AC,P5V	89					
Latham	LH4015VT2Pro	VT2P	AC,P5V	90					
Mustang	2290VT2PRIB	VT2P,B	AC,P2	90					
Mustang	3286VT2PRIB	VT2P,B	AC,P2	86					
Mustang	3287VT2PRIB	VT2P,B	AC,P2	87					
NK Brand	NK8618-3011A	3011,A	AVC,C2,Vi	86					
NK Brand	NK8881-3010A	3010,A	AVC,C2,Vi	88					
NK Brand	NK8920-3120-EZR	3120,B	AVC,C2,Vi	89					
NuTech	5BN-2889	3010	CM,C2,Vi	89					
NuTech	5N-886	3011,A	MQ,P5V,R	86					
Pioneer	P9188AM GC	AM,B	MQ,C2	91					
Proseed	1689VT2PRIB	VT2P,B	AC,P2	89					
Proseed	1787VT2PRIB	VT2P,B	AC,P2	87					
REA	2B861	VT2P,B	AC,P2	86					
REA	2B872	VT2P,B	AC,P5V	87					
REA	3B891	VT2P,B	AC,P5V	89					
REA	3B902	VT2P,B	AC,P2	90					
Renk	RK287VT2P	VT2P,B	AC,P2	87					
Renk	RK408VT2P	VT2P,B	AC,P2	90					
Taylor	8186VT2ProRIB GC	VT2P,B	AC,P2	86					
Taylor	8190VT2ProRIB GC	VT2P,B	AC,P2	90					
Thunder	6789VT2P	VT2P,B	AC,P2	89					
Thunder	6888VT2P	VT2P,B	AC,P2	88					
Thunder	6986VT2P	VT2P	AC,P2	86					
Thunder	6987VT2P	VT2P	AC,P2	87					

Footnotes and Abbreviation Descriptions

Brand Footnotes

^	Innotech™ brand seed is distributed by Rob-See-Co, LLC. Phoenix® brand seed is distributed by Advanta Seeds. Power Plus® brand seed is distributed by Burrus. Innotech™ and Phoenix® are trademarks 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*

3000GT	Agrisure® 3000GT (CB,RW,LL,GT)	E	Enlist™ (2,4-D, glyphosate, fop herbicide tolerance)
3010	Agrisure® 3010 (CB,LL,GT)	GT	Agrisure® GT
3011,A	Agrisure® Artesian® (CB,RW,LL,GT)	HX	Herculex® 1, contains LL
3110	Agrisure® Viptera® 3110 (Vip, CB,LL,GT)	HXRW	Herculex® Rootworm, contains LL
3111	Agrisure® Viptera® 3111 (Vip,CB,RW,LL,GT)	HXT	Herculex® Xtra (HX,HXRW,LL)
3120	Agrisure® 3120 (CB,HX,LL,GT)	LL	LibertyLink®
3122	Agrisure® 3122 (CB,HXX,RW,LL,GT)	None	conventional corn
3220	Agrisure® Viptera® 3220 (Vip,CB,HX,LL,GT)	OI	Optimum® Intrasect®, YHR (YGCB,HX,LL,RR2)
A	Agrisure® Artesian®	OIX	Optimum® Intrasect® Xtra, YXR (YGCB,HXT,LL,RR2)
AM	Optimum® AcreMax® (YGCB,HX,LL,RR2)	OIXT	Optimum® Intrasect® Xtreme (YGCB,HXT,RW,LL,RR2)
AMT	Optimum® AcreMax® TRIsect (HX,RW,LL,RR2)	PC	PowerCore™ (HX, VT2P)
AMX	Optimum® AcreMax® Xtra (YGCB,HXT,LL,RR2)	RR2	Roundup Ready® 2 Corn
AMXT	Optimum® AcreMax® Xtreme (YGCB,HXT,RW,LL,RR2)	RW	Agrisure® Rootworm
AQ	Optimum® AQUAMax®	STX	SmartStax® (VT3P,HXT,RR2,LL)
B	Refuge blend product	VT2P	Genuity® VT Double PRO®
CB	Agrisure® Corn Borer	VT3P	Genuity® VT Triple PRO®
DG	Genuity® DroughtGard®	YGCB	YieldGard® Corn Borer

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

Corn Seed Treatments**

?	information not provided	Lu	Lumivia™
A	Allegiance®	M	Maxim XL®
AC	Acceleron® fungicide products	MQ	Maxim Quattro®
AL2500	Alert 2500	None	untreated
At	Actellic®	P2, P5, P1	Poncho® at 0.25, 0.5 and 1.25 mg ai/seed, respectively
AVC	Avicta® Complete Corn	R	Raxil®
C2, C5, C1	Cruiser® at 0.25, 0.5 and 1.25 mg ai/seed, respectively	Sa	Sativa™
CE	Cruiser Extreme®	Se	Sebring™
CM	CruiserMaxx® Corn	Sn	Senator™
D	Dynasty®	Sp	Spirato™
Es	Escalate®	SC	SHIELDCoat™
HC	Hefty Complete	V	Votivo®
In	Intego™ Solo	Vi	Vibrance®
L	Lorsban®		

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