

2018 Corn Grain Top 30 Harvest Report

Red River Valley Central [RRCE] HOPE
 Juliuson Partnership, Jeff Juliuson, Steele County, ND 58046



PREV. CROP/HERB: Soybean / Roundup PowerMax, Sinister, Intensity
 SOIL DESCRIPTION: Barnes-Svea loam, well drained, non-irrigated
 SOIL CONDITION: Conventional w/ fall till, very high P, medium K, 7.6 pH, 3.0% OM, 28.4 CEC
 PEST MANAGEMENT: Acuron, Roundup PowerMax
 FERTILITY - Applied N: 100 Fall, 75 Spring, 5 Planter, 0 Side,
 Applied N-P-K (units): 180-0-25
 SEEDING - RATE - ROW: May 15 33,000 /A 30" spacing
 HARVESTED - STAND: Nov 20 31,400 /A

Early-Season Test

80 - 85 Day CRM
 B2018RRCE03a

Top 30 of 32

For Gross Income (Sorted by Yield)

Average of (4) Replications

Company/Brand	Product/Brand†	Technol.†	RM	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Latham	LH3151RR	RR2	81	207.8	21.6	1	31.0	548	1
Renk	RK264RR	RR2	85	204.0	21.5	1	32.5	538	2
Dyna-Gro	D22VC62	VT2P	82	197.6	20.4	0	31.7	527	3
Partners Brand	PB 5630-VIP3110 GC	3110	84	195.7	20.7	0	31.4	520	4
NK Brand	NK8005-3110A	3110,A	80	195.6	22.2	0	31.4	512	6
NK Brand	NK8455-3220A-EZR	3220,A,B	84	193.8	20.6	0	31.7	516	5
Thunder	6785VT2P	VT2P,B	85	193.4	21.7	1	31.0	509	7
Hefty	H3122VT2P	VT2P	81	191.0	21.1	0	31.7	506	8
Golden Harvest	G82M47-3220-EZR	3220,B	82	190.6	20.8	0	29.9	506	9
Golden Harvest	G80Q01-3110A	3110,A	80	190.3	21.1	0	31.7	504	10
Thunder	6983VT2P	VT2P	83	189.2	20.7	0	31.0	503	11
NuTech	5GN-8484	3110,A	84	188.0	22.0	0	31.7	494	13
Enestvedt	E843RR	RR2	85	187.8	21.5	0	31.4	495	12
Partners Brand	PB 5203-3000GT GC	3000GT	82	187.6	21.7	0	31.4	494	14
Hefty	H3502VT2PRIB	VT2P,B	85	184.8	21.7	0	31.7	486	18
Proseed	1382VT2PRIB	VT2P,B	82	184.6	20.8	0	31.0	490	16
NuTech	5N-183	3000GT	83	184.3	20.6	0	31.4	490	17
NK Brand	NK8519-3110	3110	85	184.0	21.7	0	31.0	484	20
Thunder	6782VT2P	VT2P,B	81	182.5	20.6	0	31.4	485	19
Latham	LH3585VT2Pro	VT2P	85	181.4	22.5	1	31.7	474	23
Mustang	2283VT2PRIB	VT2P,B	83	180.5	20.9	0	31.0	479	22
Prairie Brand	3218PWRA GC	PC,B	82	177.6	18.9	0	32.1	480	21
Dairyland	RPM-2918AM	AM,B	85	177.0	21.7	0	29.9	466	24
Renk	RK270RR	RR2	85	175.4	22.3	0	31.4	459	25
Hefty	H2922VT2P	VT2P	80	169.0	20.0	0	31.4	452	26
Proseed	1385VT2PRIB	VT2P,B	85	168.8	19.9	1	31.7	452	27
Latham	EX3325VT2Pro	VT2P	83	166.3	21.2	0	31.0	440	29
Latham	LH3117VT2ProRIB	VT2P,B	81	166.2	20.0	1	31.4	445	28
Hefty	H3022VT2P	VT2P	80	161.9	20.4	1	30.6	431	30
Thunder	4383VT2P	VT2P,B	83	158.8	19.8	0	31.7	426	31
Dekalb	DKC35-88RIB CK	VT2P,B	85	187.0	21.3	0	31.4	494	15
Averages =				182.9	21.0	0	31.4	485	
LSD (0.10) =				14.0	0.9	0			
LSD (0.25) =				7.3	0.5	0			
C.V. =				8.4					
Luke Brendemuhl luke.brendemuhl@firstseedtests.com, (218) 790-4497								New test site, no yield history	

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$2.80; non-GMO = \$2.80

Test Comments: *Wet spring conditions delayed planting. The growing season after planting was slightly warmer than average. At harvest, cobs were filled to the tip with kernels with very little lodging Jeff said that the field around the plot was pushing 200 BPA. Harvest in this area has been slow due to persistent snowy weather, corn plants retaining snow, thus plugging combine sieves with slush and ice.*

† 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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FERTILITY - Applied N: 100 Fall, 75 Spring, 5 Planter, 0 Side,
Applied N-P-K (units): 180-0-25
SEEDING - RATE - ROW: May 15 33,000 /A 30" spacing
HARVESTED - STAND: Nov 20 31,500 /A

Full-Season Test

86 - 90 Day CRM
B2018RRCE03b

Top 30 of 40

For Gross Income (Sorted by Yield)

Average of (4) Replications

Company/Brand	Product/Brand†	Technol.†	RM	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Golden Harvest	G84J92-3011A	3011,A	85	214.6	22.4	0	31.0	561	1
Mustang	3287VT2PRIB	VT2P,B	87	207.0	23.1	0	30.6	538	2
Latham	LH3695VT2ProRIB	VT2P,B	86	206.3	23.3	0	31.7	535	3
Renk	RK408VT2P	VT2P,B	90	200.8	23.6	1	32.1	519	6
REA	3B891	VT2P,B	89	200.2	22.8	0	30.6	522	5
Thunder	6986VT2P	VT2P	86	199.6	22.9	0	31.0	519	7
Pioneer	P9188AM GC	AM,B	91	199.2	23.4	0	32.1	516	11
Dyna-Gro	D27VC87	VT2P	87	198.8	22.9	0	31.4	517	8
REA	2B861	VT2P,B	86	198.4	21.6	1	31.0	523	4
Dairyland	DS-9686	3000GT	86	197.5	22.3	0	31.7	517	9
Thunder	6888VT2P	VT2P,B	88	197.1	22.5	1	31.7	515	12
Taylor	8186VT2ProRIB GC	VT2P,B	86	197.0	22.0	0	31.7	517	10
Mustang	2290VT2PRIB	VT2P,B	90	194.5	23.4	0	31.7	504	13
Enestvedt	E878VT2PRIB	VT2P,B	87	193.3	23.3	0	31.7	501	16
NuTech	5N-886	3011,A	86	193.1	23.0	0	31.0	502	15
Hefty	H3922VT2P	VT2P	89	191.9	22.1	0	31.4	503	14
Proseed	1787VT2PRIB	VT2P,B	87	191.9	22.7	0	31.7	500	17
Thunder	6987VT2P	VT2P	87	190.4	23.0	1	30.6	495	18
NK Brand	NK8881-3010A	3010,A	88	189.0	22.7	0	31.0	493	19
Mustang	3286VT2PRIB	VT2P,B	86	187.5	22.4	0	31.4	490	20
NK Brand	NK8618-3011A	3011,A	86	185.4	22.2	1	30.2	486	21
Hefty	H3712VT2PRIB	VT2P,B	87	184.3	22.4	0	31.0	482	22
REA	2B872	VT2P,B	87	183.4	22.2	0	31.0	481	23
Golden Harvest	G88F37-3010A	3010,A	88	183.1	21.9	0	31.7	481	24
Latham	LH4015VT2Pro	VT2P	90	183.1	22.5	0	31.7	478	25
REA	3B902	VT2P,B	90	183.1	23.6	0	32.1	473	27
Hefty	H3622VT2P	VT2P	86	181.5	22.8	0	32.1	473	28
Dyna-Gro	D27VC47	VT2P	87	181.1	22.8	0	31.4	472	29
NK Brand	NK8920-3120-EZR	3120,B	89	180.4	22.7	0	31.7	470	30
Proseed	1689VT2PRIB	VT2P,B	89	179.9	21.7	0	32.1	474	26
Dekalb	DKC35-88RIB CK	VT2P,B	85	174.2	21.9	0	31.7	458	36
Averages =				187.9	22.7	0	31.5	490	
LSD (0.10) =				13.5	0.9	0			
LSD (0.25) =				7.1	0.4	0			
C.V. =				7.9					
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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.