

2018 Corn Grain Top 30 Harvest Report
 Red River Valley Central [RRCE] BLANCHARD
 Paul Erickson, Cass County, ND 58048



PREV. CROP/HERB: Soybean / Roundup
 SOIL DESCRIPTION: Embden sandy loam, mod. well drained, non-irrigated
 SOIL CONDITION: Strip-till, medium P, medium K, 7.5 pH, 2.4% OM, 20.8 CEC
 PEST MANAGEMENT: Armezon Pro
 FERTILITY - Applied N: 120 Spring
 Applied N-P-K (units): 120-60-30
 SEEDING - RATE - ROW: May 15 33,000 /A 30" spacing
 HARVESTED - STAND: Nov 13 31,300 /A

Early-Season Test
80 - 85 Day CRM
 B2018RRCE02a

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	LH3585VT2Pro	VT2P	85	218.9	18.1	1	30.6	596	1
NK Brand	NK8455-3220A-EZR	3220,A,B	84	211.6	17.3	0	31.4	580	2
Renk	RK264RR	RR2	85	208.0	17.1	0	31.4	571	3
Partners Brand	PB 5203-3000GT GC	3000GT	82	207.4	18.5	0	32.1	563	4
Enestvedt	E843RR	RR2	85	197.6	17.8	1	31.4	539	5
Golden Harvest	G82M47-3220-EZR	3220,B	82	194.3	17.7	0	31.0	531	6
NK Brand	NK8005-3110A	3110,A	80	192.9	17.4	0	32.1	529	7
NK Brand	NK8519-3110	3110	85	190.9	16.7	0	31.7	526	8
Proseed	1385VT2PRIB	VT2P,B	85	190.3	16.5	0	31.4	526	9
Partners Brand	PB 5630-VIP3110 GC	3110	84	190.1	16.6	1	31.0	525	10
Thunder	6782VT2P	VT2P,B	81	189.1	16.8	0	31.7	521	11
Latham	LH3151RR	RR2	81	188.7	17.2	0	31.0	518	13
Thunder	6785VT2P	VT2P,B	85	188.6	17.3	0	31.4	517	14
Mustang	2283VT2PRIB	VT2P,B	83	187.0	17.4	0	31.0	512	17
Hefty	H3122VT2P	VT2P	81	185.6	16.4	0	31.7	513	15
Latham	EX3325VT2Pro	VT2P	83	185.6	17.1	0	29.9	510	18
Hefty	H3022VT2P	VT2P	80	185.5	16.4	0	32.5	513	16
Dairyland	RPM-2918AM	AM,B	85	185.4	16.9	1	32.1	510	19
Hefty	H3502VT2PRIB	VT2P,B	85	184.4	16.5	0	32.1	509	20
Prairie Brand	3218PWRA GC	PC,B	82	182.2	16.3	0	31.4	504	21
NuTech	5GN-8484	3110,A	84	181.4	16.4	1	31.0	502	22
Thunder	6983VT2P	VT2P	83	180.9	16.7	0	31.0	499	23
Golden Harvest	G80Q01-3110A	3110,A	80	179.8	17.6	1	31.0	492	24
NuTech	5N-183	3000GT	83	178.6	17.2	0	31.7	490	25
Dyna-Gro	D22VC62	VT2P	82	172.5	17.2	0	30.6	474	26
Hefty	H2922VT2P	VT2P	80	168.0	16.5	0	32.1	464	27
Thunder	4383VT2P	VT2P,B	83	165.0	17.0	0	32.1	454	28
Latham	LH3117VT2ProRIB	VT2P,B	81	162.2	16.7	0	30.6	447	29
Proseed	1382VT2PRIB	VT2P,B	82	160.0	16.6	0	30.6	442	30
Partners Brand	PB 4833RR GC	RR2	78	153.1	16.4	1	31.0	423	31
Dekalb	DKC35-88RIB CK	VT2P,B	85	188.7	16.8	2	31.4	520	12
Averages =				184.5	17.0	0	31.3	507	
LSD (0.10) =				16.0	0.8	ns			
LSD (0.25) =				8.4	0.4	ns			
C.V. =				9.5					
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: *At planting, this area was quite wet which delayed planting. The plot was planted a few days before Paul, our host, planted around us. The crop experienced a slightly drier than average summer with a dry spell from mid-July to late August with only 0.14" of rainfall. Once harvest began, rains began saturating the Red River Valley, delaying harvest. Minor stalk lodging was noticed in some hybrids.*

† 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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Full-Season Test
86 - 90 Day CRM
 B2018RRCE02b

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
NK Brand	NK8881-3010A	3010,A	88	230.0	18.2	0	32.1	626	1
Golden Harvest	G88F37-3010A	3010,A	88	222.9	18.6	0	31.4	604	2
Dairyland	DS-9686	3000GT	86	217.9	18.9	0	31.0	589	4
Thunder	6986VT2P	VT2P	86	217.4	17.7	0	31.7	594	3
Hefty	H4012VT2PRIB	VT2P,B	90	216.6	18.8	0	31.0	586	5
Latham	LH3937VT2ProRIB	VT2P,B	89	216.4	19.1	0	31.4	584	7
Golden Harvest	G84J92-3011A	3011,A	85	216.3	19.3	0	31.7	582	8
Dyna-Gro	D27VC87	VT2P	87	214.8	18.1	0	30.6	585	6
Enestvedt	E878VT2PRIB	VT2P,B	87	213.4	18.4	0	31.7	579	10
REA	3B902	VT2P,B	90	212.5	18.2	0	31.0	578	11
NK Brand	NK8920-3120-EZR	3120,B	89	212.3	19.1	0	31.7	573	12
Hefty	H3712VT2PRIB	VT2P,B	87	212.2	17.6	0	31.0	580	9
Proseed	1787VT2PRIB	VT2P,B	87	208.6	18.4	1	31.4	566	13
NuTech	5N-886	3011,A	86	205.5	18.5	1	30.6	557	14
Mustang	3287VT2PRIB	VT2P,B	87	205.3	18.5	0	31.7	557	15
Taylor	8190VT2ProRIB GC	VT2P,B	90	203.0	19.4	0	31.7	546	18
Golden Harvest	G89A09-3120-EZR	3120,B	89	202.7	19.3	0	31.7	546	19
Mustang	2290VT2PRIB	VT2P,B	90	202.6	18.5	0	31.4	550	16
Mustang	3286VT2PRIB	VT2P,B	86	200.5	17.7	0	31.0	548	17
Thunder	6987VT2P	VT2P	87	198.3	17.7	1	30.6	542	20
Renk	RK287VT2P	VT2P,B	87	196.9	18.0	0	31.4	537	21
Latham	LH4015VT2Pro	VT2P	90	196.6	18.3	0	31.4	534	22
NuTech	5BN-2889	3010	89	196.3	19.2	0	31.4	529	24
REA	2B861	VT2P,B	86	194.8	18.1	0	31.7	530	23
Hefty	H3622VT2P	VT2P	86	194.3	18.0	0	31.0	529	25
Latham	LH3755VT2ProRIB	VT2P,B	87	193.2	17.7	0	31.4	528	27
REA	3B891	VT2P,B	89	192.3	17.0	0	31.4	529	26
REA	2B872	VT2P,B	87	191.9	17.7	0	32.9	524	29
Thunder	6888VT2P	VT2P,B	88	191.3	18.7	0	31.7	518	31
Pioneer	P9188AM GC	AM,B	91	191.2	18.4	1	31.0	519	30
Dekalb	DKC35-88RIB CK	VT2P,B	85	192.7	17.4	1	30.6	528	28
Averages =				198.7	18.2	0	31.3	540	
LSD (0.10) =				16.1	0.7	0			
LSD (0.25) =				8.5	0.4	0			
C.V. =				8.9					
Luke Brendemuhl luke.brendemuhl@firstseedtests.com, (218) 790-4497								New test site, no yield history	

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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.