

2018 Corn Grain Top 30 Performance Summary for Red River Valley Central [RRCE]



Early-Season Test

80 - 85 Day CRM

B2018RRCEa

Top 30 of 32

For Gross Income (Sorted by Yield), (19) Replication Average

Company/Brand	Product/Brand†	Technol.†	RM	Yield	Moisture	Lodging	Gross Income		Blanchard	Grand Forks^			Mahnomen
				Bu/A ↓	%	%	\$/A	Rank		Georgetown	Hope		
Partners Brand	PB 5203-3000GT GC	3000GT	82	180.5	20.5	0	481	1	207.4	198.5	141.4	187.6	167.4
NK Brand	NK8519-3110	3110	85	179.3	20.2	0	479	2	190.9	198.2	154.2	184.0	169.0
Latham	LH3151RR	RR2	81	177.9	19.4	0	479	3	188.7	188.4	152.3	207.8	152.5
Renk	RK264RR	RR2	85	177.7	20.5	0	473	5	208.0	203.7	128.1	204.0	144.9
NK Brand	NK8455-3220A-EZR	3220,A,B	84	177.5	20.1	0	474	4	211.6	200.9	128.5	193.8	152.9
Latham	LH3585VT2Pro	VT2P	85	175.5	20.4	1	468	8	218.9	195.5	141.8	181.4	139.7
Partners Brand	PB 5630-VIP3110 GC	3110	84	174.5	19.6	0	469	7	190.1	188.5	147.5	195.7	150.5
Hefty	H3502VT2PRIB	VT2P,B	85	174.3	19.7	0	468	9	184.4	202.3	136.7	184.8	163.2
NuTech	5GN-8484	3110,A	84	173.8	20.1	0	464	10	181.4	206.6	138.1	188.0	155.1
Golden Harvest	G82M47-3220-EZR	3220,B	82	172.0	20.2	0	459	12	194.3	211.5	116.8	190.6	146.7
NK Brand	NK8005-3110A	3110,A	80	171.9	20.3	0	459	13	192.9	198.5	128.2	195.6	144.3
NuTech	5N-183	3000GT	83	171.2	19.6	0	460	11	178.6	204.0	122.7	184.3	166.6
Thunder	6983VT2P	VT2P	83	170.1	19.5	0	457	14	180.9	191.7	121.0	189.2	167.6
Thunder	6785VT2P	VT2P,B	85	170.0	20.1	0	454	16	188.6	190.8	111.2	193.4	166.0
Hefty	H3122VT2P	VT2P	81	169.6	19.4	0	456	15	185.6	193.3	122.9	191.0	155.0
Enestvedt	E843RR	RR2	85	168.6	20.6	0	448	19	197.6	187.0	128.3	187.8	142.5
Thunder	6782VT2P	VT2P,B	81	168.3	19.4	0	453	17	189.1	186.6	132.2	182.5	151.2
Prairie Brand	3218PWRA GC	PC,B	82	166.2	18.6	0	450	18	182.2	194.9	129.6	177.6	146.7
Proseed	1385VT2PRIB	VT2P,B	85	166.2	19.1	0	448	20	190.3	185.0	135.0	168.8	152.1
Mustang	2283VT2PRIB	VT2P,B	83	166.2	19.6	0	446	21	187.0	176.8	134.7	180.5	151.9
Golden Harvest	G80Q01-3110A	3110,A	80	166.2	20.0	0	445	23	179.8	187.0	128.2	190.3	145.7
Latham	EX3325VT2Pro	VT2P	83	165.6	20.0	0	443	24	185.6	178.7	137.6	166.3	159.6
Dyna-Gro	D22VC62	VT2P	82	165.0	18.9	0	446	22	172.5	176.7	126.4	197.6	151.8
Hefty	H3022VT2P	VT2P	80	162.3	19.1	0	438	25	185.5	182.2	138.1	161.9	143.6
Proseed	1382VT2PRIB	VT2P,B	82	160.9	19.6	0	432	26	160.0	180.8	123.6	184.6	155.5
Hefty	H2922VT2P	VT2P	80	155.2	18.5	0	421	27	168.0	169.1	122.9	169.0	147.2
Thunder	4383VT2P	VT2P,B	83	154.1	18.3	0	419	28	165.0	180.6	119.9	158.8	146.1
Dairyland	RPM-2918AM	AM,B	85	153.3	20.1	1	410	29	185.4	158.5	106.7	177.0	138.9
Renk	RK270RR	RR2	85	150.4	20.3	1	401	31	151.0	176.1	110.5	175.4	138.8
Latham	LH3117VT2ProRIB	VT2P,B	81	149.6	18.7	1	405	30	162.2	166.5	115.8	166.2	137.5
Dekalb	DKC35-88RIB CK	VT2P,B	85	175.3	19.6	0	471	6	188.7	210.6	135.3	187.0	154.7

Averages =	167.1	19.7	0	448	184.5	187.9	129.3	182.9	151.0
LSD (0.10) =	8.1	0.5	ns		16.0	12.1	15.2	14.0	12.2
LSD (0.25) =	4.2	0.3	ns		8.4	6.4	8.0	7.3	6.4

Luke Brendemuhl

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Previous years average yield for region, 155.9 bu/a, 2 yrs

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

† See last page for additional information. Dark shaded 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 test grain moisture limit. ns = not significantly different; ‡ = 2 reps; ^ = 3 reps.

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Report Date: 11/22/2018

Revised:

2018 Corn Grain Top 30 Performance Summary for Red River Valley Central [RRCE]



Full-Season Test

86 - 90 Day CRM

B2018RRCEb

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For Gross Income (Sorted by Yield), (18) Replication Average

Company/Brand	Product/Brand†	Technol.†	RM	Yield	Moisture	Lodging	Gross Income		Blanchard	Grand Forks‡			Mahnomen
				Bu/A ↓	%	%	\$/A	Rank		Georgetown	Hope		
Mustang	3287VT2PRIB	VT2P,B	87	190.9	21.3	0	504	1	205.3	216.0	152.3	207.0	173.8
Latham	LH3937VT2ProRIB	VT2P,B	89	187.7	22.5	0	490	6	216.4	213.9	149.4	180.3	178.6
Dairyland	DS-9686	3000GT	86	187.3	20.9	0	497	2	217.9	202.4	141.9	197.5	176.9
Enestvedt	E878VT2PRIB	VT2P,B	87	185.2	21.0	0	491	3	213.4	203.5	143.7	193.3	172.0
Golden Harvest	G84J92-3011A	3011,A	85	184.9	20.8	0	491	4	216.3	205.5	104.7	214.6	183.4
Mustang	2290VT2PRIB	VT2P,B	90	184.9	21.4	0	488	7	202.6	207.9	146.7	194.5	172.8
Dyna-Gro	D27VC87	VT2P	87	184.8	20.8	0	491	5	214.8	200.2	133.7	198.8	176.7
Thunder	6986VT2P	VT2P	86	184.0	21.2	0	487	9	217.4	204.2	138.0	199.6	161.0
REA	2B861	VT2P,B	86	183.7	20.9	0	487	10	194.8	215.6	127.5	198.4	182.0
NK Brand	NK8881-3010A	3010,A	88	183.4	21.0	0	486	11	230.0	206.2	124.2	189.0	167.5
REA	3B891	VT2P,B	89	183.3	20.5	0	488	8	192.3	213.5	139.7	200.2	170.8
Golden Harvest	G88F37-3010A	3010,A	88	182.6	20.9	0	484	13	222.9	199.2	135.1	183.1	172.8
Hefty	H4012VT2PRIB	VT2P,B	90	182.4	21.7	0	480	17	216.6	223.1	123.2	178.0	170.9
Latham	LH3695VT2ProRIB	VT2P,B	86	182.2	20.6	0	485	12	182.7	214.8	127.2	206.3	180.2
Proseed	1787VT2PRIB	VT2P,B	87	182.0	20.8	1	483	14	208.6	197.2	138.0	191.9	174.3
NuTech	5N-886	3011,A	86	181.8	20.7	0	483	15	205.5	206.9	124.3	193.1	179.0
Thunder	6987VT2P	VT2P	87	180.8	20.5	0	481	16	198.3	215.1	124.1	190.4	176.3
Renk	RK408VT2P	VT2P,B	90	180.8	21.5	0	477	18	176.6	219.7	134.1	200.8	172.8
REA	3B902	VT2P,B	90	179.5	21.5	0	473	20	212.5	207.5	132.2	183.1	162.4
Hefty	H3712VT2PRIB	VT2P,B	87	179.4	20.8	0	476	19	212.2	201.0	136.9	184.3	162.6
Pioneer	P9188AM GC	AM,B	91	178.6	21.2	0	472	22	191.2	199.5	125.9	199.2	177.3
Taylor	8186VT2ProRIB GC	VT2P,B	86	178.3	20.9	0	473	21	184.6	213.2	126.1	197.0	170.4
Hefty	H3622VT2P	VT2P	86	178.1	21.3	0	471	23	194.3	207.4	129.9	181.5	177.2
Thunder	6888VT2P	VT2P,B	88	177.5	21.7	0	467	25	191.3	197.8	128.4	197.1	172.7
NK Brand	NK8618-3011A	3011,A	86	176.4	20.7	0	469	24	183.7	215.4	124.3	185.4	173.3
Golden Harvest	G89A09-3120-EZR	3120,B	89	176.0	22.1	0	462	27	202.7	204.9	117.9	178.5	176.1
Mustang	3286VT2PRIB	VT2P,B	86	175.2	20.5	0	466	26	200.5	195.9	128.0	187.5	164.0
NK Brand	NK8920-3120-EZR	3120,B	89	174.3	21.5	0	460	29	212.3	211.7	106.5	180.4	160.5
Hefty	H3922VT2P	VT2P	89	173.8	20.9	0	461	28	171.9	211.8	123.1	191.9	170.3
Latham	LH3755VT2ProRIB	VT2P,B	87	171.9	20.9	0	456	31	193.2	205.1	121.2	179.3	160.6
Dekalb	DKC35-88RIB CK	VT2P,B	85	171.6	20.0	0	459	30	192.7	205.9	116.5	174.2	168.5

Averages = 177.7 21.0 0 471 198.7 204.8 127.5 187.9 169.8

LSD (0.10) = 8.3 0.5 0 16.1 11.2 17.1 13.5 11.0

LSD (0.25) = 4.4 0.3 0 8.5 5.9 8.9 7.1 5.8

Luke Brendemuhl

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Previous years average yield for region, 155.9 bu/a, 2 yrs

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

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Report Date: 11/22/2018

Revised:



Early-Season Test Products (32 Total)

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,In	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

Company/Brand	Product/Brand†	Technol.†	Seed Trt.†	RM

2018 Corn Grain - Red River Valley Central [RRCE]



Full-Season Test Products (40 Total)

Company/Brand	Product/Brand†	Technol.†	Seed Trt.†	RM
Dairyland	DS-9686	3000GT	CM,C5,Vi,ln	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

Company/Brand	Product/Brand†	Technol.†	Seed Trt.†	RM

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®TRIssect (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	D	Dynasty®	P2, P5, P1	Poncho® at 0.25, 0.5 and 1.25 mg ai/seed, respectively
A	Allegiance®	Es	Escalate®	R	Raxil®
AC	Acceleron® fungicide products	HC	Hefty Complete	Sa	Sativa™
AL2500	Alert 2500	In	Intego™ Solo	Se	Sebring™
At	Actellic®	L	Lorsban®	Sn	Senator™
AVC	Avicta® Complete Corn	Lu	Lumivia™	Sp	Spirato™
C2, C5, C1	Cruiser® at 0.25, 0.5 and 1.25 mg ai/seed, respectively	M	Maxim XL®	SC	SHIELDCoat™
CE	Cruiser Xtreme®	MQ	Maxim Quattro®	V	Votivo®
CM	CruiserMaxx® Corn	None	untreated	Vi	Vibrance®

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