

2015 Corn Grain Top 30 Harvest Report

Red River Valley South [RRSO] ELBOW LAKE
Chad Biss, Grant County, MN 56531



PREV. CROP/HERB: Soybean / Roundup
SOIL DESCRIPTION: Formdale clay loam, mod. well drained, conventional w/ fall till, non-irrigated
SOIL CONDITION: Moderate P, moderate K, 7.8 pH, 3.5% OM
PEST MANAGEMENT: Force, Roundup WeatherMax, SureStart
FERTILITY - Applied N: 150 Spring
Applied N-P-K (units): 150-60-30
SEDED - RATE - ROW: May 1 32,000 /A 30" spacing
HARVESTED - STAND: Oct 30 30,400 /A

Early-Season Test

86 - 91 Day CRM
B2015RRSO13a

Top 30 of 45

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
NK Brand	N27P-3110A	3110,A	90	225.5	17.5	1	31.0	764	3
Gold Country	91-28R2P	VT2P,B	91	225.3	16.4	1	30.5	774	2
Renk	RK302GTCBLRWBL	3111	88	221.0	16.2	1	31.5	762	4
Renk	RK408VT2P	VT2P	91	218.3	16.5	1	30.5	749	5
Channel	191-85VT2PRIB	VT2P,B	91	216.7	16.1	1	29.5	748	6
Mustang	4291GENVT2P	VT2P	91	216.7	17.0	1	31.5	739	8
Titan Pro	2M91-2P	VT2P,B	91	214.0	16.1	1	30.5	738	9
NuTech	5N-290	3000GT	90	213.8	15.6	1	29.5	743	7
Thunder	7188VT2PRIB	VT2P,B	88	213.2	17.1	1	30.5	726	10
Renk	RK299VT2P	VT2P,B	89	209.2	16.5	1	30.5	718	11
Latham	LH4147VT2ProRIB	VT2P,B	91	209.0	16.7	1	31.5	716	13
ProSeed	1191VT2PRIB	VT2P,B	91	208.9	16.5	1	30.5	717	12
Dyna-Gro	D29VC30	VT2P	89	208.6	16.5	1	29.5	716	14
Viking	T35-88R	GT	88	207.7	16.7	1	30.5	711	15
Titan Pro	TP 32-86 RR2	RR2	86	206.8	16.8	1	31.5	707	17
REA	3B890-RIB	VT2P,B	89	206.6	17.0	1	31.0	705	18
LG Seeds	LG5375VT2P	VT2P	87	206.4	16.2	1	29.5	711	16
Dekalb	DKC36-28RIB GC	STX,B	86	204.7	16.2	1	30.0	705	19
Channel	190-13VT2PRIB	VT2P,B	90	204.6	16.2	1	30.0	705	20
REA	2A871-RIB	STX,B	87	204.3	16.8	1	30.5	699	22
Latham	LH 3877 VT2Pro	VT2P	88	204.2	16.1	1	30.5	705	21
Titan Pro	TP 52-86 GTA	GT,A	86	203.9	16.7	1	31.9	698	23
Latham	LH4097VT2ProRIB	VT2P,B	90	202.8	16.5	1	29.5	696	25
Thunder	4389RR	RR2	89	202.2	16.1	1	30.0	698	24
REA	2A860-RIB	STX,B	86	200.9	16.5	1	29.5	690	26
Prairie Brand	851SX	STX	86	200.9	16.6	1	30.5	689	27
Viking	E88-90R	VT2P,B	90	200.3	16.6	1	31.0	687	28
Proseed	1288-3111	3111	88	199.1	16.7	1	30.0	682	29
NuTech/G2 Gen	5D-091^	AMX,B	91	198.6	16.7	1	29.5	680	30
Nuseed	8701VT2PRIB	VT2P,B	87	198.0	16.7	1	31.0	678	31
Dekalb	DKC44-13RIB CK	STX,B	94	231.1	17.2	1	30.0	786	1

Mark Tollefson

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Averages = **203.4** **16.6** **1** **30.4** **697**

LSD (0.10) = 16.0 0.3 ns

LSD (0.25) = 11.2 0.2 ns

C.V. = 5.8 1.5

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.045 Prices: GMO = \$3.50; non-GMO = \$3.50

Test Comments: *This site had good yields and produced some high quality test results. From the beginning of the growing season we had nice a looking plot. The field surrounding the tests had been harvested for a couple of weeks before and stalk health was still very good at harvest as no problems with lodging were observed.*

† 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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Report Date: 11/01/2015 Revised:

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PEST MANAGEMENT: Force, Roundup WeatherMax, SureStart
FERTILITY - Applied N: 150 Spring
Applied N-P-K (units): 150-60-30
SEEDING - RATE - ROW: May 1 32,000 /A 30" spacing
HARVESTED - STAND: Oct 30 30,100 /A

Full-Season Test
92 - 95 Day CRM
B2015RRSO13b

Top 30 of 45

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
Latham	LH4454VT2ProRIB	VT2P,B	94	230.2	17.3	1	30.0	782	1
Renk	RK544SSTX	STX,B	95	224.5	17.4	1	30.0	762	3
Latham	LH4098VT3ProRIB	VT3P,B	90	222.7	16.1	1	28.6	768	2
Anderson	795R	RR2	95	222.4	17.1	1	29.0	757	5
Channel	193-34VT2PRIB	VT2P,B	93	221.5	16.6	1	31.0	759	4
Titan Pro	2M95-2P	VT2P,B	95	219.0	17.2	1	30.0	745	7
Gold Country	94-19RSS	STX,B	94	218.8	17.4	1	32.4	742	8
Channel	192-08VT2PRIB	VT2P,B	92	218.0	16.6	1	30.5	747	6
Dyna-Gro	D37VC60RIB	VT2P,B	95	216.6	17.2	1	30.5	737	9
Dairyland	DS9791RA	STX,B	91	215.4	16.9	1	31.0	735	11
Stine	R9313VT2Pro GC	VT2P,B	95	214.9	16.6	1	30.5	737	10
Prairie Brand	4284SX	STX	92	214.1	17.1	1	31.5	729	13
Stine	R9424SS GC	STX,B	100	213.4	17.4	1	29.5	724	14
Thunder	7993VT2PRIB	VT2P,B	93	212.3	17.2	1	31.0	722	15
Prairie Brand	x1533AG-3220	3220	93	211.5	17.0	1	31.0	721	17
REA	4A930-RIB	STX,B	93	211.5	17.5	1	30.5	716	20
Thunder	101-95SSRIB	STX,B	95	211.5	17.8	1	28.1	714	21
Channel	194-14STXRIB	STX,B	94	211.4	17.0	1	27.6	721	18
LG Seeds	LG5415STXRIB	STX,B	93	210.9	16.7	1	31.0	722	16
NuTech/G2 Gen	5X-894^	HXT,RR2	94	208.9	16.5	1	29.5	717	19
Golden Harvest	G94B95-3110	3110	94	207.6	17.1	1	30.0	707	23
Mustang	3894GENSS	STX	94	207.2	16.4	1	31.0	712	22
REA	3A922-RIB	STX,B	92	206.2	16.9	1	29.0	704	25
Renk	RK568VT3P	VT3P,B	95	206.1	17.2	1	29.0	701	27
Latham	LH4249SSRIB	STX,B	92	206.1	17.3	1	31.5	700	28
Renk	RK522SSTX	STX,B	94	205.9	16.7	1	27.1	705	24
REA	4B953-RIB	VT2P,B	95	205.4	16.7	1	27.1	703	26
Mustang	3292GENVT2P	VT2P,B	92	204.7	16.9	1	32.4	699	30
Renk	RK415VT2P	VT2P,B	92	202.9	16.1	1	30.5	700	29
Titan Pro	TP 48-93 2P	VT2P,B	93	201.1	16.9	1	31.0	687	31
Dekalb	DKC44-13RIB CK	STX,B	94	215.5	17.4	1	29.5	731	12
Averages =				207.1	17.0	1	30.1	706	
LSD (0.10) =				16.8	0.4	ns			
LSD (0.25) =				11.7	0.3	ns			
C.V. =				6.0	1.8				

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Early-Season Test Products (45 Total)

Company/Brand	Product/Brand	Technol.	Seed Trt	RM	Company/Brand	Product/Brand	Technol.	Seed Trt	RM
Channel	190-13VT2PRIB	VT2P,B	AC,P5V	90					
Channel	191-85VT2PRIB	VT2P,B	AC,P5V	91					
Dairyland	DS9186RA	STX,B	CM,C5,Vi,In	86					
Dairyland	DS9487	STX	CM,C5,Vi,In	89					
Dekalb	DKC36-28RIB GC	STX,B	AC,P5V	86					
Dekalb	DKC44-13RIB CK	STX,B	AC,P5V	94					
Dyna-Gro	D27VC76	VT2P	AC,P5V	87					
Dyna-Gro	D29VC30	VT2P	AC,P5V	89					
Gold Country	84-10R2P GC	VT2P,B	AC,P5V	84					
Gold Country	87-63RSS GC	STX,B	AC,P5V	87					
Gold Country	91-28R2P	VT2P,B	AC,P5V	91					
Latham	LH 3877 VT2Pro	VT2P	AC,P5V	88					
Latham	LH3647VT2ProRIB	VT2P,B	AC,P2	86					
Latham	LH4097VT2ProRIB	VT2P,B	AC,P2	90					
Latham	LH4147VT2ProRIB	VT2P,B	AC,P5V	91					
LG Seeds	LG5375VT2P	VT2P	AC,P5V	87					
Mustang	4291GENVT2P	VT2P	AC,P2	91					
NK Brand	N18Q-3011A	3011,A	AVC,C2,Vi	84					
NK Brand	N27P-3110A	3110,A	AVC,C2,Vi	90					
Nuseed	8001VT2PRIB GC	VT2P,B	AC,P2	80					
Nuseed	8701VT2PRIB	VT2P,B	AC,P2	87					
Nuseed	9001VP3220EZR	3220,B	CM,C2	90					
NuTech	5N-290	3000GT	MQ,P5V	90					
NuTech	5N-8602	3011,A	AVC,C2,Vi	86					
NuTech/G2 Gen	5D-091^	AMX,B	MQ,P5V	91					
NuTech/G2 Gen	5Y-9103^	OIX	MQ,P1V	91					
NuTech/G2 Gen	5Z-488^	OI	MQ,P1V	88					
Prairie Brand	3555SX	STX	CM,C5,Vi,In	86					
Prairie Brand	851SX	STX	CM,C5,Vi,In	86					
ProSeed	1191VT2PRIB	VT2P,B	AC,P2	91					
Proseed	1288-3111	3111	CM,C2	88					
REA	2A860-RIB	STX,B	AC,P5V	86					
REA	2A871-RIB	STX,B	AC,P5V	87					
REA	3B890-RIB	VT2P,B	AC,P5V	89					
Renk	RK299VT2P	VT2P,B	AC,P2	89					
Renk	RK302GTCBLLRWBL	3111	CM,C2	88					
Renk	RK408VT2P	VT2P	AC,P2	91					
Thunder	4389RR	RR2	AC,C2	89					
Thunder	7188VT2PRIB	VT2P,B	AC,C2	88					
Titan Pro	2M91-2P	VT2P,B	AC,P2	91					
Titan Pro	TP 32-86 RR2	RR2	AC,P2	86					
Titan Pro	TP 52-86 GTA	GT,A	CM,C2	86					
Titan Pro	TP 57-86 2P	VT2P	AC,P2	86					
Viking	E88-90R	VT2P,B	AC,P2	90					
Viking	T35-88R	GT	CM,C2	88					

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Full-Season Test Products (45 Total)

Company/Brand	Product/Brand	Technol.	Seed Trt	RM	Company/Brand	Product/Brand	Technol.	Seed Trt	RM
Anderson	747R	RR2	M,D,At	92					
Anderson	795R	RR2	MQ	95					
Channel	192-08VT2PRIB	VT2P,B	AC,P5V	92					
Channel	193-34VT2PRIB	VT2P,B	AC,P5V	93					
Channel	194-14STXRIB	STX,B	AC,P5V	94					
Dairyland	DS9593	3000GT	CM,C2	93					
Dairyland	DS9693	STX	CM,C5,Vi,In	93					
Dairyland	DS9791RA	STX,B	CM,C5,Vi,In	91					
Dekalb	DKC44-13RIB CK	STX,B	AC,P5V	94					
Dyna-Gro	D32VC56	VT2P	AC,P5V	92					
Dyna-Gro	D37VC60RIB	VT2P,B	AC,P2	95					
Gold Country	94-19RSS	STX,B	AC,P5V	94					
Golden Harvest	G93H90-3000GT	3000GT	AVC,C2,Vi	93					
Golden Harvest	G94B95-3110	3110	AVC,C2,Vi	94					
Golden Harvest	G95D32-3110	3110	AVC,C2,Vi	95					
Latham	LH4098VT3ProRIB	VT3P,B	AC,P2	90					
Latham	LH4242VT2ProRIB	VT2P,B	AC,P2	92					
Latham	LH4249SSRIB	STX,B	AC,P5V	92					
Latham	LH4454VT2ProRIB	VT2P,B	AC,P2	94					
LG Seeds	LG5415STXRIB	STX,B	AC,P5V	93					
Mustang	3292GENVT2P	VT2P,B	AC,P2V	92					
Mustang	3894GENSS	STX	AC,P5V	94					
Mustang	4294GENVT2P	VT2P	AC,P2	94					
Nuseed	9304SSRIB	STX,B	AC,P2	93					
NuTech/G2 Gen	5X-894^	HXT,RR2	MQ,P5V	94					
Pioneer	P9526AMXT	AMXT,AQ,B	MQ,C2	95					
Prairie Brand	4284SX	STX	CM,C5,Vi,In	92					
Prairie Brand	x1533AG-3220	3220	CM,C2,Vi	93					
ProSeed	1393VT2PRIB	VT2P,B	AC,P2	93					
ProSeed	1492SSRIB	STX,B	AC,P5	92					
ProSeed	1495SSRIB	STX,B	AC,P5	95					
REA	3A922-RIB	STX,B	AC,P5V	92					
REA	4A930-RIB	STX,B	AC,P5V	93					
REA	4B953-RIB	VT2P,B	AC,P5V	95					
Renk	RK415VT2P	VT2P,B	AC,P2	92					
Renk	RK522SSTX	STX,B	AC,P5V	94					
Renk	RK544SSTX	STX,B	AC,P5V	95					
Renk	RK568VT3P	VT3P,B	AC,P2	95					
Stine	R9313VT2Pro GC	VT2P,B	AC,P2	95					
Stine	R9424SS GC	STX,B	AC,P2	100					
Thunder	101-95SSRIB	STX,B	AC,C2	95					
Thunder	7993VT2PRIB	VT2P,B	AC,C2	93					
Titan Pro	2M95-2P	VT2P,B	AC,P2	95					
Titan Pro	TP 48-93 2P	VT2P,B	AC,P2	93					
Titan Pro	TP 58-95 SS	STX	AC,P5V	95					

Footnotes and Abbreviation Descriptions

Brand Footnotes

^	G2® brand seed is distributed by NuTech Seed, LLC. Catalyst™ and Power Plus® brand seed is distributed by Burrus. Innotech™ brand seed is distributed by Rob-See-Co, LLC. RPM® brand seed is distributed by Doebler's PA Hybrids, Inc. Supreme EX® brand seed is distributed by Seed Consultants, Inc. VPMaxx® brand seed is distributed by AgVenture, Inc. XL® and Phoenix® brand seed is distributed by Beck's Superior Hybrids. Curry®, G2®, Power Plus®, RPM®, Supreme EX®, VPMaxx® and XL® are registered trademarks of DuPont Pioneer. Catalyst™, Innotech™ and Phoenix® are trademarks of Syngenta.
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)	HX	Herculex® 1, contains LL
3010	Agrisure® 3010 (CB,LL,GT)	HX,RR2	Herculex® 1, Roundup Ready 2 Corn
3010,A	Agrisure® Artesian® 3010 (CB,LL,GT)	HXRW	Herculex® Rootworm, contains LL
3011,A	Agrisure® Artesian® (CB,RW,LL,GT)	HXT	Herculex® Xtra (HX,HXRW,LL)
3110	Agrisure® Viptera® 3110 (Vip, CB,LL,GT)	HXT,RR2	Herculex® Xtra, Roundup Ready 2 Corn
3110,A	Agrisure® Viptera® 3110 w/ Artesian®	LL	LibertyLink®
3111	Agrisure® Viptera® 3111 (Vip,CB,RW,LL,GT)	None	conventional corn
3111,A	Agrisure® Viptera® 3111 w/ Artesian®	None,A	conventional corn w/ Artesian®
3122	Agrisure® 3122 (CB,HXX,RW,LL,GT)	OI	Optimum® Intrasect®, YHR (YGCB,HX,LL,RR2)
3220	Agrisure® Viptera® 3220 (Vip,CB,HX,LL,GT)	OI,AQ	Optimum® Intrasect® w/ AQUAMax
AM	Optimum® AcreMax® (YGCB,HX,LL,RR2)	OIX	Optimum® Intrasect® Xtra, YXR (YGCB,HXT,LL,RR2)
AM,AQ	Optimum® AcreMax® w/ AQUAMax	OIXT	Optimum® Intrasect® Xtreme (YGCB,HXT,RW,LL,RR2)
AM1	Optimum® AcreMax®1 (HXT,LL,RR2)	OT	Optimum® TRIsect® CHR (HX,RW,LL,RR2)
AMX	Optimum® AcreMax® Xtra (YGCB,HXT,LL,RR2)	RR2	Roundup Ready® 2 Corn
AMX,AQ	Optimum® AcreMax® Xtra w/ AQUAMax	STX	SmartStax® (VT3P,HXT,RR2,LL)
AMXT	Optimum® AcreMax® Xtreme (YGCB,HXT,RW,LL,RR2)	STX,DG	Genuity® DroughtGard® w/ SmartStax®
AMXT,AQ	Optimum® AcreMax® Xtreme w/ AQUAMax	VT2P	Genuity® VT Double PRO®
B	Blended seed (i.e. refuge blend)	VT2P,DG	Genuity® DroughtGard® w/ VT Double PRO®
GT	Agrisure® GT	VT3P	Genuity® VT Triple PRO®
GT,A	Agrisure® GT w/ Artesian	YGCB	YieldGard® Corn Borer
GT/CB/LL	Agrisure® GT/CB/LL		

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

Corn Seed Treatments**

?	information not provided	In	Intego™ Solo
A	Allegiance®	L	Lorsban®
AC	Acceleron® fungicide products	Lu	Lumivia™
At	Actellic®	M	Maxim XL®
AVC	Avicta® Complete Corn	MQ	Maxim Quattro®
C2, C5, C1	Cruiser® at 0.25, 0.5 and 1.25 mg ai/seed, respectively	None	untreated
CE	Cruiser Extreme®	P2, P5, P1	Poncho® at 0.25, 0.5 and 1.25 mg ai/seed, respectively
CM	CruiserMaxx® Corn	R	Raxil® (tebuconazole)
D	Dynasty® (azoxystrobin)	V	Votivo®
Es	Escalate®	Vi	Vibrance®

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