

# 2014 Corn Grain Top 30 Harvest Report

Red River Valley South [ RRSO ] HAWLEY  
Mark Kasin, Clay County, MN 56549



PREV. CROP/HERB: Soybean / Roundup  
SOIL DESCRIPTION: Osakis loam, moderately drained, conventional w/ fall till, non-irrigated  
SOIL CONDITION: Moderate P, moderate K, 6.7 pH, 3% OM  
PEST MANAGEMENT: Force, Roundup  
FERTILITY - Applied N: 130 Spring  
Applied N-P-K (units): 130-50-50  
SEEDED - RATE - ROW: May 23 35,000 /A 30" spacing  
HARVESTED - STAND: Nov 6 34,300 /A

**Early-Season Test**  
**85 - 90 Day CRM**  
B2014RRSO14a

**Top 30 of 54**  
For Gross Income (Sorted by Yield)  
Average of (2) Replications

Company/Brand	Product/Brand†	Technol.†	Seed Treatment†	RM	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Wensman	W 80903VT2RIB	VT2P,B	AC,P5V	90	<b>188.6</b>	15.1	1	32.0	565	1
Prairie Brand	851RA	STX,B	CM,C2	87	<b>183.0</b>	16.2	1	34.8	544	3
NuTech	5N-186	3000GT	MQ,P5V	86	<b>182.7</b>	15.4	1	32.7	546	2
Wensman	W 8097VT2RIB	VT2P,B	AC,P5V	88	<b>181.9</b>	16.9	1	33.4	537	5
Peterson	75K85VT2PRORIB	VT2P,B	AC,P2	85	<b>181.0</b>	15.8	1	32.7	539	4
REA	3A377-RIB	STX,B	AC,P5V	89	<b>179.7</b>	18.1	1	34.8	525	7
ProSeed	1385VT2PRIB	VT2P,B	AC,P2	85	178.6	15.4	1	33.4	534	6
NuTech	5B-290	GT/CB/LL	MQ,P5V	90	175.7	16.2	3	35.6	522	8
Wensman	W 80866VT2RIB	VT2P,B	AC,P5V	86	173.5	15.8	1	34.9	517	9
Federal	3540VT2P	VT2P	AC,P2	85	172.4	16.5	1	34.9	511	10
Wensman	W 90881STX	STX	AC,P5V	88	171.5	18.2	1	36.3	501	12
Nuseed	8701VT2PRIB	VT2P,B	AC,P2	87	171.3	16.3	1	33.4	508	11
REA	3B330-RIB	VT2P,B	AC,P5V	90	168.1	17.8	1	34.1	493	17
Thunder	6987VT2PRIB	VT2P,B	AC,P2	87	167.8	16.5	1	33.4	497	15
Channel	187-42VT2PRIB	VT2P,B	AC,P5V	87	167.7	15.6	1	36.3	501	13
Dyna-Gro	D27VC76	VT2P	AC,P5V	87	167.6	17.7	1	34.9	491	18
Renk	RK302GTCBLLRWBL	3111	CM,C2	88	166.9	14.9	1	33.4	501	14
Latham	LH4097VT2PRORIB	VT2P,B	AC,P2	90	165.6	15.5	1	33.4	495	16
Renk	RK299VT2P	VT2P	AC,P2	89	164.8	16.0	1	32.7	490	19
ProSeed	PX85VT2PRIB	VT2P,B	AC,P2	85	163.4	16.2	1	33.4	485	21
Dyna-Gro	D29VC30	VT2P	AC,P5V	89	162.9	14.7	1	34.9	489	20
Terning Seeds	TS8198VIP3110	3110	CM,C2	90	161.8	14.0	1	30.5	485	22
Latham	LH3647VT2PRORIB	VT2P,B	AC,P2	86	161.4	15.9	1	35.6	481	23
Channel	190-13VT2PRIB	VT2P,B	AC,P5V	90	160.7	17.8	1	37.0	471	26
ProSeed	1288-3111	3111	CM,C2	88	159.9	14.5	1	34.8	480	24
ProSeed	990-3000GT	3000GT	CM,C2	90	158.3	14.4	1	34.1	475	25
REA	3A901-RIB	STX,B	AC,P5V	90	157.1	16.6	1	34.8	465	28
Prairie Brand	821GTCB	GT/CB/LL	CM,C2	85	156.8	15.1	1	33.4	470	27
Dairyland	DS9487RA	STX,B	CM,C2	87	156.2	15.9	1	34.1	465	29
Dairyland	DS7085	GT/CB/LL	CM,C2	85	155.1	15.1	1	36.3	465	30
Gold Country	92-48RSS CK	STX,B	AC,P5V	92	158.3	19.0	1	36.3	459	34

Mark Tollefson

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Test Average = **159.0** **15.8** **1** **34.3** **473**  
LSD (0.10) = 20.1 1.3 ns  
LSD (0.25) = 14.0 0.9 ns  
C.V. = 7.5 5.1

**Yield & Income Factors:** Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Price =  $\frac{\$3.00}{\$3.00}$  Local GMO non-GMO

**Test Comments:** *This was another test location with short plant heights, around 5 feet tall, at harvest. Many plants still had leaves attached to them at harvest. This area had a very wet spring which delayed planting into June on some farms. July rainfall was 1.5 inches, which likely reduced some yield potential. Results from 1 replication in each test was removed due to reduced and widely fluctuating yields.*

† 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: 11/8/2014 Revised:

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SOIL DESCRIPTION: Osakis loam, moderately drained, conventional w/ fall till, non-irrigated  
SOIL CONDITION: Moderate P, moderate K, 6.7 pH, 3% OM  
PEST MANAGEMENT: Force, Roundup  
FERTILITY - Applied N: 130 Spring  
Applied N-P-K (units): 130-50-50  
SEEDED - RATE - ROW: May 23 35,000 /A 30" spacing  
HARVESTED - STAND: Nov 6 34,400 /A

**Full-Season Test**  
**91 - 94 Day CRM**  
B2014RRSO14b

**Top 30 of 54**  
For Gross Income (Sorted by Yield)  
Average of (2) Replications

Company/Brand	Product/Brand†	Technol.†	Seed Treatment†	RM	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Dyna-Gro	D32VC56	VT2P	AC,P5V	92	<b>195.5</b>	20.8	1	35.6	558	1
REA	3A929-RIB	STX,B	AC,P5V	92	<b>185.7</b>	18.1	1	35.6	543	2
Dairyland	DS9791RA	STX,B	CM,C2	91	<b>184.8</b>	19.9	4	33.4	532	5
REA	4B285-RIB	VT2P,B	AC,P5V	93	<b>183.1</b>	18.5	1	34.8	533	4
Titan Pro	2M91-2P	VT2P,B	AC,P2	91	<b>182.8</b>	16.8	1	33.4	540	3
Viking	VS92-110	VT2P,B	AC,P2	92	<b>179.3</b>	20.2	1	35.6	515	6
Nuseed	9504VT3PRIB	VT3P,B	AC,P2	95	175.8	19.2	1	33.4	509	7
Gold Country	93-07RSS GC	STX,B	AC,P5V	93	174.0	18.4	1	35.6	507	8
ProSeed	1292VT2PRIB	VT2P,B	AC,P2	92	172.4	17.6	1	31.9	506	9
Latham	LH4242VT2PRORIB	VT2P,B	AC,P5V	92	168.5	21.8	1	35.6	477	12
Renk	RK522SSTX	STX,B	AC,P2	94	167.4	21.4	1	33.4	475	14
Wensman	W 90910STXRIB	STX,B	AC,P5V	91	166.9	20.8	1	34.8	476	13
Federal	4130VT2PRIB	VT2P,B	AC,P2	91	166.7	19.1	1	34.9	483	10
Wensman	W 90941STX	STX	AC,P5V	94	165.8	19.4	1	34.1	479	11
Nuseed	9304VT2P	VT2P	AC,P2	93	165.1	20.6	1	35.6	472	15
Titan Pro	TP 48-93 2P	VT2P,B	AC,P2	93	164.5	21.2	1	34.1	468	16
REA	3B922-RIB	VT2P,B	AC,P5V	92	159.4	18.8	1	34.9	463	17
Wensman	W 90935STXRIB	STX,B	AC,P5V	93	159.4	18.8	1	35.6	463	18
ProSeed	1193VT3PRIB	VT3P,B	AC,P2	93	157.8	19.8	1	34.1	454	22
Thunder	7993VT2PRIB	VT2P,B	AC,P2	93	157.1	19.8	1	34.9	452	23
Dairyland	DS9093	3122	CM,C2	93	157.1	20.5	1	34.1	450	24
LG Seeds	LG5415STX	STX	AC,P5V	93	156.7	20.2	1	31.9	450	25
Rob-See-Co	Innotech IC4286^	3220,B	CM,C2	92	154.8	17.5	1	34.9	455	21
Dairyland	DS9694RA	STX,B	CM,C2	94	154.8	21.4	1	34.9	440	26
AgVenture/Scherr	VPmx RL4616HBW^	HX,RR2	MQ,P5	94	154.6	16.9	1	35.6	456	20
ProSeed	1393VT2PRIB	VT2P,B	AC,P2	93	151.4	20.4	1	34.1	434	27
Hyland	8315RA	STX,B	CM,C2	92	149.0	21.9	1	35.6	421	31
Hyland	3395	RR2	CM,C2	94	148.2	20.9	1	36.3	423	29
Gold Country	92-13R2P	VT2P,B	AC,P5V	92	146.6	18.9	1	34.1	426	28
Latham	LH4004-3000GT	3000GT	CM,C2	90	142.9	16.8	1	34.8	422	30
Gold Country	92-48RSS CK	STX,B	AC,P5V	92	156.2	19.9	3	34.1	449	19

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Test Average = **151.7**    **19.9**    **1**    **34.4**    **437**  
LSD (0.10) = 25.4    2.8    1  
LSD (0.25) = 17.7    1.9    1  
C.V. = 10.0    8.3

**Yield & Income Factors:** Base Moisture = 15.0%    Shrink = 1.3    Drying = \$0.025    Price =  $\frac{\$3.00}{\$3.00}$     Local GMO    non-GMO

**Test Comments:** *This was another test location with short plant heights, around 5 feet tall, at harvest. Many plants still had leaves attached to them at harvest. This area had a very wet spring which delayed planting into June on some farms. July rainfall was 1.5 inches, which likely reduced some yield potential. Results from 1 replication in each test was removed due to reduced and widely fluctuating yields.*

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**Early-Season Test Products (54 Total)**

Company/Brand	Product/Brand	Technol.	Seed Trt	RM	Company/Brand	Product/Brand	Technol.	Seed Trt	RM
AgVenture/Scherr	GL2932AB	GT/CB/LL	MQ,P5	85	Thunder	6987VT2PRIB	VT2P,B	AC,P2	87
AgVenture/Scherr	GL2949AB	GT/CB/LL	MQ,P5	84	Thunder	7188VT2PRIB	VT2P,B	AC,P2	88
AgVenture/Scherr	GL4132ABW	3000GT	MQ,P5	90	Titan Pro	TP 32-86 RR2	RR2	AC,P2	86
Channel	187-42VT2PRIB	VT2P,B	AC,P5V	87	Titan Pro	TP 38-90 3220EZ	3220,B	CM,C2	90
Channel	190-13VT2PRIB	VT2P,B	AC,P5V	90	Viking	VS88-116	VT2P,B	AC,P2	88
Dairyland	DS7085	GT/CB/LL	CM,C2	85	Wensman	W 80866VT2RIB	VT2P,B	AC,P5V	86
Dairyland	DS9487RA	STX,B	CM,C2	87	Wensman	W 80903VT2RIB	VT2P,B	AC,P5V	90
Dyna-Gro	D25VC66	VT2P	AC,P5V	85	Wensman	W 8097VT2RIB	VT2P,B	AC,P5V	88
Dyna-Gro	D27VC76	VT2P	AC,P5V	87	Wensman	W 90881STX	STX	AC,P5V	88
Dyna-Gro	D29VC30	VT2P	AC,P5V	89					
Federal	3540VT2P	VT2P	AC,P2	85					
Gold Country	90-26R2P	VT2P,B	AC,P5V	90					
Gold Country	92-48RSS CK	STX,B	AC,P5V	92					
Hyland	8202RA	STX,B	CM,C2	89					
Hyland	8295RA	STX,B	CM,C2	88					
King	3880GT	GT	CM,C2	88					
Latham	LH3427GTCBLL	GT/CB/LL	CM,C2	84					
Latham	LH3647VT2PRORIB	VT2P,B	AC,P2	86					
Latham	LH3818VT3PRORIB	VT3P,B	AC,P2	88					
Latham	LH4097VT2PRORIB	VT2P,B	AC,P2	90					
LG Seeds	LG5408VT2PRIB	VT2P,B	AC,P5V	90					
Nuseed	8504VT2P	VT2P	AC,P2	85					
Nuseed	8701VT2PRIB	VT2P,B	AC,P2	87					
NuTech	5B-290	GT/CB/LL	MQ,P5V	90					
NuTech	5N-186	3000GT	MQ,P5V	86					
Peterson	75K85VT2PRORIB	VT2P,B	AC,P2	85					
Prairie Brand	821GTCB	GT/CB/LL	CM,C2	85					
Prairie Brand	851RA	STX,B	CM,C2	87					
Prairie Brand	920GT3	3000GT	CM,C2	90					
ProSeed	1288-3111	3111	CM,C2	88					
ProSeed	1385VT2PRIB	VT2P,B	AC,P2	85					
ProSeed	990-3000GT	3000GT	CM,C2	90					
ProSeed	PX85VT2PRIB	VT2P,B	AC,P2	85					
REA	3A377-RIB	STX,B	AC,P5V	89					
REA	3A901-RIB	STX,B	AC,P5V	90					
REA	3B330-RIB	VT2P,B	AC,P5V	90					
REA	3B890-RIB	VT2P,B	AC,P5V	89					
Renk	RK231GT	GT	CM,C2	82					
Renk	RK266VT3P	VT3P,B	AC,P2	85					
Renk	RK299VT2P	VT2P	AC,P2	89					
Renk	RK302GTCBLLRWBL	3111	CM,C2	88					
Rob-See-Co	Innotech IC3591^	3110A	AVC,C5	85					
Termining Seeds	TS8198VIP3110	3110	CM,C2	90					
Thunder	4990RR	RR2	AC,P2	90					
Thunder	6385VT2PRIB	VT2P,B	AC,P2	85					

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**Full-Season Test Products (54 Total)**

Company/Brand	Product/Brand	Technol.	Seed Trt	RM	Company/Brand	Product/Brand	Technol.	Seed Trt	RM
AgVenture/Scherr	VPmx RL4616HBW^	HX,RR2	MQ,P5	94	Thunder	7993VT2PRIB	VT2P,B	AC,P2	93
AgVenture/Scherr	VPmx RL5015YHBW^	OIX	MQ,P5	94	Titan Pro	2M91-2P	VT2P,B	AC,P2	91
Dahlman	R47-35VT3PRIB GC	VT3P,B	AC,P2	94	Titan Pro	TP 48-93 2P	VT2P,B	AC,P2	93
Dairyland	DS9093	3122	CM,C2	93	Viking	VS91-591	VT2P,B	AC,P2	91
Dairyland	DS9694RA	STX,B	CM,C2	94	Viking	VS92-110	VT2P,B	AC,P2	92
Dairyland	DS9791RA	STX,B	CM,C2	91	Viking	VS94-571	VT2P,B	AC,P2	94
Dekalb	DKC44-13RIB GC	STX,B	AC,P5V	94	Wensman	W 90910STXRIB	STX,B	AC,P5V	91
Dyna-Gro	D32VC56	VT2P	AC,P5V	92	Wensman	W 90935STXRIB	STX,B	AC,P5V	93
Dyna-Gro	D34VC52RIB	VT2P,B	AC,P2	94	Wensman	W 90941STX	STX	AC,P5V	94
Federal	4130VT2PRIB	VT2P,B	AC,P2	91					
Federal	4440VT3PRIB	VT3P,B	AC,P2	94					
Federal	4520VT2PRIB	VT2P,B	AC,P2	95					
Federal	4540VT2P	VT2P	CM,C2	95					
Gold Country	92-13R2P	VT2P,B	AC,P5V	92					
Gold Country	92-48RSS CK	STX,B	AC,P5V	92					
Gold Country	93-07RSS GC	STX,B	AC,P5V	93					
Gold Country	94-19RSS	STX,B	AC,P5V	94					
Hyland	3395	RR2	CM,C2	94					
Hyland	8315RA	STX,B	CM,C2	92					
Latham	LH4004-3000GT	3000GT	CM,C2	90					
Latham	LH4098VT3PRORIB	VT3P,B	AC,P2	90					
Latham	LH4242VT2PRORIB	VT2P,B	AC,P5V	92					
Latham	LH4455VT3PRORIB	VT3P,B	AC,P2	94					
LG Seeds	LG5415STX	STX	AC,P5V	93					
Mustang	3291GENVT2P GC	VT2P,B	AC,P2V	91					
Mustang	3893GENSS GC	STX,B	AC,P5V	93					
Nuseed	9001VP3220	3220,B	CM,C2	90					
Nuseed	9304VT2P	VT2P	AC,P2	93					
Nuseed	9504VT3PRIB	VT3P,B	AC,P2	95					
NuTech/G2 Gen	5D-091^	AMX,B	MQ,P5V	91					
NuTech/G2 Gen	5F-091^	AM,B	MQ,P5V	91					
NuTech/G2 Gen	5X-894^	HXT,RR2	MQ,P5V	94					
ProSeed	1191VT2PRIB	VT2P,B	AC,P2	91					
ProSeed	1193VT3PRIB	VT3P,B	AC,P2	93					
ProSeed	1292VT2PRIB	VT2P,B	AC,P2	92					
ProSeed	1393VT2PRIB	VT2P,B	AC,P2	93					
REA	3A929-RIB	STX,B	AC,P5V	92					
REA	3B922-RIB	VT2P,B	AC,P5V	92					
REA	4A942-RIB	STX,B	AC,P5V	94					
REA	4B285-RIB	VT2P,B	AC,P5V	93					
Renk	RK492SSTX	STX,B	AC,P2	93					
Renk	RK522SSTX	STX,B	AC,P2	94					
Rob-See-Co	Innotech IC4286^	3220,B	CM,C2	92					
Terning Seeds	TS8199VT2P	VT2P	CM,C2	91					
Thunder	4391VT2PRIB	VT2P,B	AC,P2	91					

## Footnotes and Abbreviation Descriptions

### Brand Footnotes

^	G2® brand seed is distributed by NuTech Seed, LLC. HPT® brand seed is distributed by Hoegemeyer Hybrids, Inc. 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®, HPT®, RPM®, Supreme EX®, VPMaXX® and XL® are registered trademarks of DuPont Pioneer.
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)	DG	Genuity® DroughtGard®
3011A	Agrisure® Artesian® (CB,RW,LL,GT)	GT	Agrisure® GT
3110	Agrisure® Viptera® 3110 (Vip, CB,LL,GT)	GT/CB/LL	Agrisure® GT/CB/LL
3111	Agrisure® Viptera® 3111 (Vip,CB,RW,LL,GT)	HX	Herculex® 1, contains LL
3122	Agrisure® 3122 (CB,HXX,RW,LL,GT)	HX,RR2	Herculex® 1, Roundup Ready 2 Corn
3220	Agrisure® Viptera® 3220 (Vip,CB,HX,LL,GT)	HXRW	Herculex® Rootworm, contains LL
5122	Agrisure® Duracade® 5122 (CB,HX,RW,RW2,LL,GT)	HXT	Herculex® Xtra (HX,HXRW,LL)
5222	Agrisure® Duracade® 5122 (Vip,CB,HX,RW,RW2,LL,GT)	HXT,RR2	Herculex® Xtra, Roundup Ready 2 Corn
A	Agrisure® Artesian®	LL	LibertyLink®
AM	Optimum® AcreMax® (YGCB,HX,LL,RR2)	None	conventional corn
AM-R	Optimum® AcreMax® (YGCB,HX,RR2)	OI	Optimum® Intrasect® (YGCB,HX,LL,RR2)
AM1	Optimum® AcreMax®1 (HXT,LL,RR2)	OIX	Optimum® Intrasect® Xtra (YGCB,HXT,LL,RR2)
AMRW	Optimum® AcreMax® Rootworm (HXRW,LL,RR2)	OIXT	Optimum® Intrasect® Xtreme (YGCB,HXT,RW,LL,RR2)
AMRW-R	Optimum® AcreMax® Rootworm (HXRW,RR2)	OL	Optimum® Leptra® (Vip,YGCB,HX,LL,RR2)
AMX	Optimum® AcreMax® Xtra (YGCB,HXT,LL,RR2)	OT	Optimum® TRIssect® (HX,RW,LL,RR2)
AMX-R	Optimum® AcreMax® Xtra (YGCB,HXT,RR2)	RR2	Roundup Ready® 2 Corn
AMXT	Optimum® AcreMax® Xtreme (YGCB,HXT,LL,RR2)	STX	SmartStax® (VT3P,HXX)
AQ	Optimum® AQUAmax®	VT2P	Genuity® VT Double PRO®
B	Blended seed (i.e. refuge blend)	VT3	YieldGard VT Triple®
CB/LL	Agrisure® CB/LL	VT3P	Genuity® VT Triple PRO®
CB/LL/RW	Agrisure® CB/LL/RW	YGCB	YieldGard® Corn Borer

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

### Corn Seed Treatments\*\*

A	Allegiance®	L	Lorsban®
AC	Acceleron® fungicide products	M	Maxim XL®
At	Actellic®	MQ	Maxim Quattro®
AVC	Avicta® Complete Corn	None	untreated
C2, C5, C1	Cruiser® at 0.25, 0.5 and 1.25 mg ai/seed, respectively	P2, P5, P1	Poncho® at 0.25, 0.5 and 1.25 mg ai/seed, respectively
CE	Cruiser Extreme®	R	Raxil® (tebuconazole)
CM	CruiserMaxx® Corn	St	Stamina® (pyraclostrobin)
D	Dynasty® (azoxystrobin)	V	Votivo®
Es	Escalate®	Z	zinc

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