

2014 Corn Grain Top 30 Harvest Report

Red River Valley South [RRSO] GWINNER
 Todd Larson, Sargent County, ND 58060



PREV. CROP/HERB: Soybean / Roundup
 SOIL DESCRIPTION: Forman loam, mod. well drained, conventional w/ fall till, non-irrigated
 SOIL CONDITION: Moderate P, high K, 7.8 pH, 3.5% OM
 PEST MANAGEMENT: Force, Callisto Xtra, Roundup
 FERTILITY - Applied N: 138 Fall
 Applied N-P-K (units): 138-60-10
 SEEDED - RATE - ROW: May 22 34,500 /A 30" spacing
 HARVESTED - STAND: Oct 28 34,300 /A

Early-Season Test
85 - 90 Day CRM
 B2014RRSO16a

Top 30 of 54
 For Gross Income (Sorted by Yield)
 Average of (3) Replications

Company/Brand	Product/Brand†	Technol.†	Seed Treatment†	RM	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Latham	LH4097VT2PRORIB	VT2P,B	AC,P2	90	198.5	14.5	2	33.9	596	1
Titan Pro	TP 38-90 3220EZ	3220,B	CM,C2	90	193.0	14.1	4	33.4	579	2
LG Seeds	LG5408VT2PRIB	VT2P,B	AC,P5V	90	192.8	13.3	1	64.9	578	3
REA	3B330-RIB	VT2P,B	AC,P5V	90	192.1	13.6	1	34.8	576	4
NuTech	5B-290	GT/CB/LL	MQ,P5V	90	192.0	13.3	4	33.9	576	5
REA	3A377-RIB	STX,B	AC,P5V	89	191.7	14.0	1	34.8	575	6
Dyna-Gro	D29VC30	VT2P	AC,P5V	89	188.8	13.4	2	34.8	566	7
NuTech	5N-186	3000GT	MQ,P5V	86	186.8	13.7	3	32.4	560	8
ProSeed	1288-3111	3111	CM,C2	88	186.7	12.2	1	33.4	560	9
Federal	3540VT2P	VT2P	AC,P2	85	186.4	13.6	2	32.4	559	10
ProSeed	990-3000GT	3000GT	CM,C2	90	186.2	13.4	5	33.4	559	11
King	3880GT	GT	CM,C2	88	185.1	12.2	1	34.3	555	12
Hyland	8295RA	STX,B	CM,C2	88	184.9	13.8	1	33.9	555	13
Prairie Brand	920GT3	3000GT	CM,C2	90	182.4	13.7	6	33.4	547	14
Renk	RK231GT	GT	CM,C2	82	182.3	14.5	2	33.4	547	15
Wensman	W 8097VT2RIB	VT2P,B	AC,P5V	88	181.8	13.5	1	33.4	545	16
Nuseed	8701VT2PRIB	VT2P,B	AC,P2	87	181.5	14.4	1	35.8	545	17
Renk	RK302GTCBLLRWBL	3111	CM,C2	88	181.1	12.6	6	33.9	543	18
Viking	VS88-116	VT2P,B	AC,P2	88	180.1	14.7	1	34.3	540	19
AgVenture/Scherr	GL2949AB	GT/CB/LL	MQ,P5	84	179.5	13.7	1	33.4	539	20
Latham	LH3427GTCBLL	GT/CB/LL	CM,C2	84	179.2	12.4	3	35.3	538	21
Terning Seeds	TS8198VIP3110	3110	CM,C2	90	179.1	11.7	1	33.9	537	22
REA	3B890-RIB	VT2P,B	AC,P5V	89	179.0	13.5	1	33.4	537	23
Thunder	4990RR	RR2	AC,P2	90	179.0	14.4	1	32.9	537	24
ProSeed	1385VT2PRIB	VT2P,B	AC,P2	85	178.5	13.1	3	32.9	536	25
Thunder	7188VT2PRIB	VT2P,B	AC,P2	88	177.7	15.0	1	33.9	533	26
Dyna-Gro	D25VC66	VT2P	AC,P5V	85	177.2	13.5	1	35.3	532	27
Renk	RK299VT2P	VT2P	AC,P2	89	176.7	13.0	1	33.9	530	28
Peterson	75K85VT2PRORIB	VT2P,B	AC,P2	85	176.3	12.9	1	32.9	529	29
Latham	LH3818VT3PRORIB	VT3P,B	AC,P2	88	176.2	12.9	1	33.9	529	30
Gold Country	92-48RSS CK	STX,B	AC,P5V	92	176.4	15.8	2	33.9	526	32

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Test Average = **176.7** **13.4** **2** **34.3** **530**
 LSD (0.10) = 16.9 1.0 2
 LSD (0.25) = 11.8 0.7 2
 C.V. = 7.1 5.4

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: *We had some hail on this field in July and the insurance adjuster reported 25% damage to the field. Hail damage was worse on the north end of the field, half mile from the test area. June rainfall of 5.92" was recorded. During our stand count visit, corn height was little uneven which may have hurt yield and yield uniformity. July and August rainfall was slightly above average which helped 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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SOIL CONDITION: Moderate P, high K, 7.8 pH, 3.5% OM
PEST MANAGEMENT: Force, Callisto Xtra, Roundup
FERTILITY - Applied N: 138 Fall
Applied N-P-K (units): 138-60-10
SEEDED - RATE - ROW: May 22 34,500 /A 30" spacing
HARVESTED - STAND: Oct 28 34,100 /A

Full-Season Test

91 - 94 Day CRM
B2014RRSO16b

Top 30 of 54

For Gross Income (Sorted by Yield)

Average of (3) Replications

Company/Brand	Product/Brand†	Technol.†	Seed Treatment†	RM	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
ProSeed	1393VT2PRIB	VT2P,B	AC,P2	93	214.6	17.4	2	33.4	631	2
REA	3B922-RIB	VT2P,B	AC,P5V	92	213.5	16.6	2	32.9	632	1
Wensman	W 90910STXRIB	STX,B	AC,P5V	91	201.0	18.0	3	33.4	588	4
Federal	4520VT2PRIB	VT2P,B	AC,P2	95	200.5	17.8	2	34.3	587	5
Renk	RK522SSTX	STX,B	AC,P2	94	200.1	18.3	2	34.8	584	6
Viking	VS91-591	VT2P,B	AC,P2	91	199.2	15.6	1	34.9	595	3
Gold Country	92-13R2P	VT2P,B	AC,P5V	92	196.5	16.4	3	33.9	583	7
LG Seeds	LG5415STX	STX	AC,P5V	93	194.5	17.3	3	33.4	572	9
Thunder	4391VT2PRIB	VT2P,B	AC,P2	91	193.4	16.5	2	35.3	573	8
REA	4B285-RIB	VT2P,B	AC,P5V	93	192.3	16.0	2	32.4	572	10
ProSeed	1292VT2PRIB	VT2P,B	AC,P2	92	191.1	16.2	2	33.9	568	11
ProSeed	1191VT2PRIB	VT2P,B	AC,P2	91	190.8	16.1	1	35.3	567	12
REA	4A942-RIB	STX,B	AC,P5V	94	190.1	18.6	2	33.9	553	15
Titan Pro	2M91-2P	VT2P,B	AC,P2	91	189.1	16.7	1	35.8	559	13
Dairyland	DS9791RA	STX,B	CM,C2	91	188.5	19.0	1	33.4	547	17
Federal	4130VT2PRIB	VT2P,B	AC,P2	91	188.3	17.0	2	32.9	555	14
NuTech/G2 Gen	5X-894^	HXT,RR2	MQ,P5V	94	187.9	17.3	2	33.4	553	16
Nuseed	9304VT2P	VT2P	AC,P2	93	187.8	19.4	1	33.8	543	18
Latham	LH4242VT2PRORIB	VT2P,B	AC,P5V	92	186.7	19.7	2	33.9	538	20
Terning Seeds	TS8199VT2P	VT2P	CM,C2	91	186.3	18.4	1	34.3	543	19
Viking	VS92-110	VT2P,B	AC,P2	92	185.2	19.2	2	35.8	536	21
Federal	4440VT3PRIB	VT3P,B	AC,P2	94	185.0	19.3	1	32.9	535	24
Hyland	8315RA	STX,B	CM,C2	92	184.8	19.0	1	34.3	536	22
Dairyland	DS9694RA	STX,B	CM,C2	94	184.5	18.8	3	34.8	536	23
Latham	LH4455VT3PRORIB	VT3P,B	AC,P2	94	184.1	18.7	2	33.4	535	25
Thunder	7993VT2PRIB	VT2P,B	AC,P2	93	183.5	19.2	2	33.4	531	29
NuTech/G2 Gen	5D-091^	AMX,B	MQ,P5V	91	182.9	17.9	8	35.3	535	26
REA	3A929-RIB	STX,B	AC,P5V	92	182.7	18.3	2	35.3	533	27
Nuseed	9504VT3PRIB	VT3P,B	AC,P2	95	182.4	18.2	2	34.3	533	28
Mustang	3893GENSS GC	STX,B	AC,P5V	93	181.0	18.1	1	34.3	529	30
Gold Country	92-48RSS CK	STX,B	AC,P5V	92	174.3	18.9	2	34.9	506	42

Test Average = **182.6** **17.9** **2** **34.1** **535**

LSD (0.10) = 25.3 1.2 4

LSD (0.25) = 17.7 0.9 3

C.V. = 10.2 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

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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.