

**2014 Corn Grain Top 30 Harvest Report**  
 Red River Valley South [ RRSO ] CASSELTON  
 Harvey McIntyre, Pyle Farms, Cass County, ND 58012



PREV. CROP/HERB: Sugarbeet / Roundup  
 SOIL DESCRIPTION: Kindred-Bearden silty clay loam, mod. poor drained, conventional w/ fall till, non-irrigated  
 SOIL CONDITION: Moderate P, moderate K, 7.2 pH, 5% OM  
 PEST MANAGEMENT: Force, Roundup, Status  
 FERTILITY - Applied N: 180 Spring  
 Applied N-P-K (units): 180-50-50  
 SEEDED - RATE - ROW: May 22 35,000 /A 30" spacing  
 HARVESTED - STAND: Nov 7 34,200 /A

**Early-Season Test**  
**85 - 90 Day CRM**  
 B2014RRSO18a

**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
LG Seeds	LG5408VT2PRIB	VT2P,B	AC,P5V	90	<b>209.1</b>	15.4	1	34.1	625	1
REA	3A901-RIB	STX,B	AC,P5V	90	<b>201.5</b>	17.0	1	33.4	594	2
REA	3B330-RIB	VT2P,B	AC,P5V	90	<b>199.7</b>	16.7	1	36.3	591	3
Federal	3540VT2P	VT2P	AC,P2	85	<b>198.6</b>	16.3	1	34.9	589	4
Titan Pro	TP 32-86 RR2	RR2	AC,P2	86	193.5	16.1	1	34.1	575	5
NuTech	5N-186	3000GT	MQ,P5V	86	192.4	17.2	1	32.7	567	8
Thunder	6385VT2PRIB	VT2P,B	AC,P2	85	190.8	15.8	1	33.4	569	6
Renk	RK266VT3P	VT3P,B	AC,P2	85	190.7	16.7	1	36.3	564	10
Renk	RK299VT2P	VT2P	AC,P2	89	190.6	15.7	1	32.7	568	7
Wensman	W 8097VT2RIB	VT2P,B	AC,P5V	88	190.1	15.9	1	35.6	566	9
Prairie Brand	851RA	STX,B	CM,C2	87	189.2	16.2	1	32.7	562	11
ProSeed	990-3000GT	3000GT	CM,C2	90	188.1	16.0	1	31.2	560	12
Thunder	4990RR	RR2	AC,P2	90	187.1	16.9	1	36.3	552	14
Latham	LH4097VT2PRORIB	VT2P,B	AC,P2	90	186.4	17.4	1	33.4	548	15
Dyna-Gro	D29VC30	VT2P	AC,P5V	89	184.2	15.0	1	34.8	553	13
Terning Seeds	TS8198VIP3110	3110	CM,C2	90	183.2	15.9	1	35.6	545	16
NuTech	5B-290	GT/CB/LL	MQ,P5V	90	182.3	16.7	1	34.1	539	19
AgVenture/Scherr	GL2932AB	GT/CB/LL	MQ,P5	85	181.9	15.4	1	35.6	544	17
Latham	LH3818VT3PRORIB	VT3P,B	AC,P2	88	181.5	15.8	1	34.9	541	18
REA	3B890-RIB	VT2P,B	AC,P5V	89	180.9	17.0	1	37.8	534	23
Hyland	8295RA	STX,B	CM,C2	88	180.3	16.1	1	35.6	536	20
Nuseed	8504VT2P	VT2P	AC,P2	85	180.0	15.9	1	35.6	536	21
Nuseed	8701VT2PRIB	VT2P,B	AC,P2	87	179.6	15.8	1	33.4	535	22
Hyland	8202RA	STX,B	CM,C2	89	179.1	15.9	1	34.1	533	24
Dairyland	DS7085	GT/CB/LL	CM,C2	85	177.1	15.1	1	33.4	531	26
Viking	VS88-116	VT2P,B	AC,P2	88	177.1	16.9	1	36.3	523	28
ProSeed	1385VT2PRIB	VT2P,B	AC,P2	85	176.6	15.8	1	34.9	526	27
REA	3A377-RIB	STX,B	AC,P5V	89	176.5	17.0	1	34.8	521	29
Gold Country	90-26R2P	VT2P,B	AC,P5V	90	176.4	16.8	1	32.7	521	30
Dairyland	DS9487RA	STX,B	CM,C2	87	173.9	15.7	1	34.8	519	31
Gold Country	92-48RSS CK	STX,B	AC,P5V	92	181.6	17.8	1	33.4	532	25

Mark Tollefson

mark.tollefson@firstseedtests.com, (507) 456-2357

Test Average = **176.0** **16.3** **1** **34.2** **522**

LSD (0.10) = 19.3 0.6 ns

LSD (0.25) = 13.4 0.4 ns

C.V. = 6.5 2.3

**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:** *We got planted late as saturated soils and cool temperatures dominated the spring. Good emergence and uniform plant heights were observed in June. We had plenty of moisture early and dry weather in July. At harvest we had healthy stalks with many leaves on plants along with above average sized corn ears. We lost 1 replication in the early-season test due to an electronic system glitch.*

† 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

Additional reports available at [www.firstseedtests.com](http://www.firstseedtests.com)

AgSCI Copyright 2014

Report date: 11/8/2014 Revised:

**2014 Corn Grain Top 30 Harvest Report**  
 Red River Valley South [ RRSO ] CASSELTON  
 Harvey McIntyre, Pyle Farms, Cass County, ND 58012



PREV. CROP/HERB: Sugarbeet / Roundup  
 SOIL DESCRIPTION: Kindred-Bearden silty clay loam, mod. poor drained, conventional w/ fall till, non-irrigated  
 SOIL CONDITION: Moderate P, moderate K, 7.2 pH, 5% OM  
 PEST MANAGEMENT: Force, Roundup, Status  
 FERTILITY - Applied N: 180 Spring  
 Applied N-P-K (units): 180-50-50  
 SEEDED - RATE - ROW: May 22 35,000 /A 30" spacing  
 HARVESTED - STAND: Nov 7 34,800 /A

**Full-Season Test**  
**91 - 94 Day CRM**  
 B2014RRSO18b

**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
REA	3B922-RIB	VT2P,B	AC,P5V	92	<b>209.4</b>	16.9	1	35.8	618	1
Federal	4540VT2P	VT2P	CM,C2	95	<b>199.8</b>	18.8	1	35.3	580	3
Titan Pro	TP 48-93 2P	VT2P,B	AC,P2	93	<b>198.3</b>	18.4	1	33.4	578	4
Latham	LH4098VT3PRORIB	VT3P,B	AC,P2	90	<b>197.1</b>	16.6	1	34.8	583	2
Latham	LH4004-3000GT	3000GT	CM,C2	90	192.5	16.3	1	32.9	571	5
Titan Pro	2M91-2P	VT2P,B	AC,P2	91	189.5	17.2	1	34.3	558	6
LG Seeds	LG5415STX	STX	AC,P5V	93	188.5	18.2	1	34.3	550	9
Thunder	4391VT2PRIB	VT2P,B	AC,P2	91	188.4	17.5	1	35.3	553	8
Federal	4520VT2PRIB	VT2P,B	AC,P2	95	187.5	18.4	1	35.3	547	11
REA	4B285-RIB	VT2P,B	AC,P5V	93	187.4	18.6	1	33.4	545	12
AgVenture/Scherr	VPmx RL4616HBW^	HX,RR2	MQ,P5	94	186.9	16.5	1	33.9	554	7
ProSeed	1393VT2PRIB	VT2P,B	AC,P2	93	186.8	18.5	1	36.3	544	13
Nuseed	9504VT3PRIB	VT3P,B	AC,P2	95	185.3	18.3	1	35.8	541	14
AgVenture/Scherr	VPmx RL5015YHBW^	OIX	MQ,P5	94	185.2	16.6	1	33.9	548	10
Gold Country	92-13R2P	VT2P,B	AC,P5V	92	184.6	17.8	1	35.8	541	15
Dyna-Gro	D32VC56	VT2P	AC,P5V	92	184.5	18.6	1	33.9	537	17
Thunder	7993VT2PRIB	VT2P,B	AC,P2	93	183.5	18.1	1	34.8	536	18
Dairyland	DS9694RA	STX,B	CM,C2	94	182.9	18.9	1	33.9	531	19
NuTech/G2 Gen	5X-894^	HXT,RR2	MQ,P5V	94	182.6	16.7	1	34.8	540	16
Renk	RK522SSTX	STX,B	AC,P2	94	182.3	19.0	1	35.3	529	23
Viking	VS92-110	VT2P,B	AC,P2	92	181.9	18.5	1	34.8	530	21
Terning Seeds	TS8199VT2P	VT2P	CM,C2	91	181.5	19.4	1	35.3	525	28
Gold Country	94-19RSS	STX,B	AC,P5V	94	181.2	18.1	2	33.9	530	22
REA	3A929-RIB	STX,B	AC,P5V	92	181.0	17.6	1	33.9	531	20
Viking	VS94-571	VT2P,B	AC,P2	94	180.9	18.0	1	35.3	529	24
Nuseed	9304VT2P	VT2P	AC,P2	93	180.7	19.0	1	35.3	524	29
Federal	4130VT2PRIB	VT2P,B	AC,P2	91	179.9	17.8	1	35.3	527	27
Renk	RK492SSTX	STX,B	AC,P2	93	179.8	17.5	1	33.8	528	26
ProSeed	1292VT2PRIB	VT2P,B	AC,P2	92	179.3	17.0	1	34.8	529	25
ProSeed	1193VT3PRIB	VT3P,B	AC,P2	93	178.9	18.8	1	35.3	520	30
Gold Country	92-48RSS CK	STX,B	AC,P5V	92	168.5	18.2	1	36.3	492	44

Test Average = **178.0** 18.1 1 34.8 520

LSD (0.10) = 14.7 0.6 ns

LSD (0.25) = 10.2 0.4 ns

C.V. = 6.1 2.5

Mark Tollefson

mark.tollefson@firstseedtests.com, (507) 456-2357

**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 got planted late as saturated soils and cool temperatures dominated the spring. Good emergence and uniform plant heights were observed in June. We had plenty of moisture early and dry weather in July. At harvest we had healthy stalks with many leaves on plants along with above average sized corn ears. We lost 1 replication in the early-season test due to an electronic system glitch.

† 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

Additional reports available at [www.firstseedtests.com](http://www.firstseedtests.com)

AgSCI Copyright 2014

Report date: 11/8/2014 Revised:

2014 Corn Grain - Red River Valley South [ RRSO ]



**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					
Terming Seeds	TS8198VIP3110	3110	CM,C2	90					
Thunder	4990RR	RR2	AC,P2	90					
Thunder	6385VT2PRIB	VT2P,B	AC,P2	85					



## 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. VPMa <sup>x</sup> ® 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®, VPMa <sup>x</sup> ® 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® TRIsect® (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.