

2014 Corn Grain Top 30 Harvest Report

Red River Valley South [RRSO] FOXHOME
Mark Yaggie, Wilkin County, MN 56520



Test by: MNS Seed Testing, LLC, New Richland, MN

PREV. CROP/HERB: Sugarbeet / Roundup
SOIL DESCRIPTION: Gilby Loam, mod. poor drained, conventional w/ fall till, non-irrigated
SOIL CONDITION: Moderate P, moderate K, 7.9 pH, 5% OM
PEST MANAGEMENT: Force, Harness, Roundup
FERTILITY - Applied N: 160 Fall, 3 Spring
Applied N-P-K (units): 163-13-30
SEEDED - RATE - ROW: May 24 35,000 /A 30" spacing
HARVESTED - STAND: Oct 25 34,700 /A

Early-Season Test

85 - 90 Day CRM
B2014RRSO13a

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	161.7	20.9	1	34.3	461	2
King	3880GT	GT	CM,C2	88	159.9	17.8	1	34.8	469	1
Channel	187-42VT2PRIB	VT2P,B	AC,P5V	87	158.0	19.6	2	33.9	456	3
Nuseed	8504VT2P	VT2P	AC,P2	85	156.7	18.5	1	34.8	456	4
Renk	RK302GTCBLLRWBL	3111	CM,C2	88	156.7	20.7	2	34.8	448	7
Prairie Brand	920GT3	3000GT	CM,C2	90	156.4	21.6	5	34.8	443	8
Thunder	6987VT2PRIB	VT2P,B	AC,P2	87	156.0	18.1	1	34.3	456	5
LG Seeds	LG5408VT2PRIB	VT2P,B	AC,P5V	90	152.8	20.7	2	34.8	437	10
Titan Pro	TP 32-86 RR2	RR2	AC,P2	86	152.6	20.6	2	34.8	436	11
REA	3B330-RIB	VT2P,B	AC,P5V	90	152.4	21.5	1	34.8	432	14
ProSeed	990-3000GT	3000GT	CM,C2	90	152.4	23.3	1	33.8	426	17
Terning Seeds	TS8198VIP3110	3110	CM,C2	90	152.3	17.1	2	34.8	449	6
AgVenture/Scherr	GL2932AB	GT/CB/LL	MQ,P5	85	152.0	19.0	3	34.8	441	9
Renk	RK266VT3P	VT3P,B	AC,P2	85	151.5	20.3	2	34.8	434	13
Titan Pro	TP 38-90 3220EZ	3220,B	CM,C2	90	151.5	23.7	1	34.8	422	21
Dairyland	DS9487RA	STX,B	CM,C2	87	150.8	21.0	2	33.4	430	16
Renk	RK299VT2P	VT2P	AC,P2	89	150.4	20.4	2	35.3	431	15
Peterson	75K85VT2PRORIB	VT2P,B	AC,P2	85	149.9	19.0	2	34.8	435	12
NuTech	5B-290	GT/CB/LL	MQ,P5V	90	149.5	21.8	1	34.3	423	19
NuTech	5N-186	3000GT	MQ,P5V	86	148.5	22.1	1	34.8	419	22
Wensman	W 8097VT2RIB	VT2P,B	AC,P5V	88	147.8	20.4	1	36.8	423	20
Wensman	W 80866VT2RIB	VT2P,B	AC,P5V	86	146.4	20.6	1	36.3	419	23
ProSeed	1385VT2PRIB	VT2P,B	AC,P2	85	145.7	18.2	1	34.3	425	18
REA	3A377-RIB	STX,B	AC,P5V	89	145.2	20.5	2	34.8	416	24
Latham	LH3647VT2PRORIB	VT2P,B	AC,P2	86	145.2	20.6	1	34.8	415	25
Wensman	W 80903VT2RIB	VT2P,B	AC,P5V	90	143.3	20.1	2	36.8	412	26
ProSeed	PX85VT2PRIB	VT2P,B	AC,P2	85	141.6	20.6	2	33.9	405	30
Thunder	6385VT2PRIB	VT2P,B	AC,P2	85	141.5	19.7	3	33.4	408	27
AgVenture/Scherr	GL2949AB	GT/CB/LL	MQ,P5	84	141.0	19.3	1	34.3	408	28
Dairyland	DS7085	GT/CB/LL	CM,C2	85	140.4	19.0	1	34.8	407	29
Gold Country	92-48RSS CK	STX,B	AC,P5V	92	136.0	25.3	2	34.3	373	45

Test Average = **143.0** 21.1 2 34.7 408

LSD (0.10) = 15.6 1.9 5

LSD (0.25) = 10.9 1.3 4

C.V. = 8.0 6.5

Mark Tollefson

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

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

Test Comments: *Planting was delayed in this area as farmers waited for dry soil conditions. Mark planted the surrounding field one day before us. At harvest, ear shanks in this test were weak and all ears had tipped down. We lowered the combine head snoots to the ground in order to keep ears on the stalk for harvest, avoiding premature ear drop. Many of the corn stalks had snapped off above the ears here.*

† 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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PEST MANAGEMENT: Force, Harness, Roundup
FERTILITY - Applied N: 160 Fall, 3 Spring
Applied N-P-K (units): 163-13-30
SEEDED - RATE - ROW: May 24 35,000 /A 30" spacing
HARVESTED - STAND: Oct 25 34,200 /A

Full-Season Test
91 - 94 Day CRM
B2014RRSO13b

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	LH4455VT3PRORIB	VT3P,B	AC,P2	94	157.9	24.6	2	34.3	436	1
Renk	RK522SSTX	STX,B	AC,P2	94	151.1	23.7	2	34.3	420	3
Federal	4520VT2PRIB	VT2P,B	AC,P2	95	151.1	24.2	1	32.4	419	4
Federal	4130VT2PRIB	VT2P,B	AC,P2	91	150.4	22.5	2	33.4	423	2
Dyna-Gro	D32VC56	VT2P	AC,P5V	92	150.2	25.7	1	34.8	410	9
Nuseed	9001VP3220	3220,B	CM,C2	90	149.5	23.4	1	34.8	417	6
NuTech/G2 Gen	5X-894^	HXT,RR2	MQ,P5V	94	148.9	22.8	1	34.4	418	5
Dyna-Gro	D34VC52RIB	VT2P,B	AC,P2	94	147.8	25.6	3	33.9	404	12
Thunder	4391VT2PRIB	VT2P,B	AC,P2	91	147.1	23.2	2	32.9	411	7
Viking	VS91-591	VT2P,B	AC,P2	91	146.0	22.5	1	33.4	411	8
Latham	LH4098VT3PRORIB	VT3P,B	AC,P2	90	144.4	21.4	1	33.9	410	10
ProSeed	1191VT2PRIB	VT2P,B	AC,P2	91	143.3	23.2	1	34.3	401	13
Nuseed	9504VT3PRIB	VT3P,B	AC,P2	95	143.1	25.8	2	34.8	391	18
Renk	RK492SSTX	STX,B	AC,P2	93	142.9	21.6	1	35.3	405	11
REA	4B285-RIB	VT2P,B	AC,P5V	93	142.8	24.6	2	34.8	394	16
Latham	LH4242VT2PRORIB	VT2P,B	AC,P5V	92	142.8	26.7	1	33.9	387	20
Thunder	7993VT2PRIB	VT2P,B	AC,P2	93	142.1	25.1	1	35.8	390	19
ProSeed	1292VT2PRIB	VT2P,B	AC,P2	92	141.3	22.7	1	33.9	397	14
REA	3B922-RIB	VT2P,B	AC,P5V	92	140.9	23.0	1	33.9	395	15
Terning Seeds	TS8199VT2P	VT2P	CM,C2	91	140.4	26.7	1	33.4	380	25
Gold Country	92-13R2P	VT2P,B	AC,P5V	92	140.2	23.3	2	31.9	392	17
ProSeed	1393VT2PRIB	VT2P,B	AC,P2	93	139.9	25.5	2	33.4	383	23
Nuseed	9304VT2P	VT2P	AC,P2	93	139.7	26.1	1	34.8	380	26
Titan Pro	TP 48-93 2P	VT2P,B	AC,P2	93	139.6	26.1	2	34.8	380	27
REA	4A942-RIB	STX,B	AC,P5V	94	138.6	23.4	1	35.3	387	21
Rob-See-Co	Innotech IC4286^	3220,B	CM,C2	92	137.9	24.5	2	34.8	381	24
Viking	VS92-110	VT2P,B	AC,P2	92	137.4	25.5	2	35.3	376	29
Dairyland	DS9791RA	STX,B	CM,C2	91	136.2	24.9	1	33.9	375	31
Wensman	W 90935STXRIB	STX,B	AC,P5V	93	136.0	22.0	3	34.8	384	22
LG Seeds	LG5415STX	STX	AC,P5V	93	135.9	23.6	3	34.8	378	28
Gold Country	92-48RSS CK	STX,B	AC,P5V	92	136.3	25.0	1	35.3	375	30

Mark Tollefson

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Test Average = **136.6** **24.6** **2** **34.2** **377**

LSD (0.10) = 14.9 1.5 2

LSD (0.25) = 10.4 1.1 1

C.V. = 8.0 4.6

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

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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					
Terming 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.