

2013 Corn Grain Top 30 Harvest Report

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



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

PREV. CROP/HERB: Sugarbeet / Roundup
SOIL DESCRIPTION: Formdale clay loam, well drained, conventional w/ fall till, non-irrigated
SOIL CONDITION: Moderate P, mod. high K, 8.3 pH, 2.8% OM
PEST MANAGEMENT: Force, Harness, Roundup, Distinct
FERTILITY - Applied N: 160 Fall, 4 Planter
Applied N-P-K (units): 164-13-30
SEEDED - RATE - ROW: May 11 33,500 /A 30" spacing
HARVESTED - STAND: Nov 4 31,600 /A

Early-Season Test

85 - 90 Day CRM
B2013RDRV18a

Top 30 of 53

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
Renk	RK302GTCBLLHXBL	3220,B	CE,C2	88	173.2	18.3	2	32.9	765	1
Hyland	8295RA	STX,B	CM,C2	88	165.7	17.3	1	33.4	736	3
Hyland	8202RA	STX,B	CM,C2	85	165.2	15.0	1	31.4	743	2
Prairie Brand	920GT3	3000GT	CM,C1	90	157.3	16.9	4	30.0	700	5
Dairyland	DS9487RA	STX,B	CM,C2	87	156.0	14.9	2	31.9	702	4
Latham	LH3397VT2PRORIB G	VT2P,B	AC,P5V	83	155.1	15.3	2	30.5	697	6
Wensman	W 60851RR	RR2	AC,P2	85	154.8	14.9	1	31.4	697	7
Gold Country	91-45RSS	STX,B	AC,P5V	91	153.9	15.4	5	31.4	691	8
Wensman	W 8085VT2RIB	VT2P,B	AC,P2	84	153.0	14.9	4	29.0	689	10
Latham	LH4098VT3PRORIB G	VT3P,B	AC,P2	90	152.9	17.3	1	31.9	679	11
LG Seeds	LG5408STX	STX	AC,P5V	90	151.2	15.4	6	32.4	679	12
Proseed	1288-3111	3111	CM,C2	88	149.6	17.5	2	32.4	664	16
Wensman	W 8097VT2RIB	VT2P,B	AC,P2	89	149.5	15.7	4	31.4	670	13
Mustang	2285GENVT2P	VT2P	AC,P2	85	148.9	16.1	6	31.0	666	15
Latham	LH3647VT2PRORIB G	VT2P,B	AC,P5V	86	148.7	15.4	1	33.4	668	14
Seeds 2000	2852GTCBLL	GT/CB/LL	CM,C2	85	147.5	16.3	1	31.5	659	17
Titan Pro	6886 GC	RR2	AC,P2	86	146.9	15.5	6	30.9	659	18
NuTech	5B-888	GT/CB/LL	MQ,C2	88	146.8	16.0	1	28.5	657	20
Prairie Brand	892RA	STX,B	CM,C1	89	146.8	16.8	1	30.0	654	24
Gold Country	84-75R2P	VT2P,B	AC,P5V	84	146.3	14.3	1	32.9	658	19
Channel	189-03VT2PRIB	VT2P,B	AC,P5V	89	146.0	15.2	6	31.5	656	21
Gold Country	90-26R2P	VT2P,B	AC,P5V	90	145.8	15.4	2	31.4	655	22
Proseed	1287GT3000	3000GT	CM,C2	87	145.7	15.2	3	31.9	655	23
Proseed	PX85BVT2PRIB	VT2P,B	AC,P2	85	145.0	15.7	1	28.5	650	25
Seeds 2000	9001VP3220	3220,B	CM,C2	90	144.0	17.7	1	31.9	638	27
Channel	186-31VT2PRIB	VT2P,B	AC,P5V	86	143.6	14.5	2	31.9	646	26
NuTech	5B-186	GT/CB/LL	MQ,C2	86	141.2	15.3	6	32.9	634	28
Rea	3B266-RIB	VT2P,B	AC,P2	89	139.6	16.9	23	31.9	622	31
Rea	3B890-RIB	VT2P,B	AC,P5V	89	139.2	15.4	2	32.4	625	29
Prairie Brand	851RA	STX,B	CM,C1	87	139.1	15.2	1	29.0	625	30
Golden Harvest	G94R16-3000GT CK	3000GT	CM,C2	94	158.5	20.9	1	30.5	690	9

Test Average = **141.5** **15.7** **4** **31.6** **634**

LSD (0.10) = ns 1.9 10

C.V. = 15.5 8.7

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Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Price = \$4.50 Local GMO
n/a non-GMO

Test Comments: At harvest, corn in portions of the plot died prematurely. Corn stalks in those areas were darker and some hybrids were stalk lodged. Stressed plants had no leaves and ears were smaller than plants in healthy looking areas. The field around us had a similar appearance. Yield results are quite variable, as shown by the check hybrid with a 40 bu/a yield difference between tests. Data rejected.

† See last page for footnote information. Dark colored row identifies the check product found in early- and full-season tests. **Bold** yields are significantly above test average. **Italicized** brands exceed the grain moisture limit for this test. **GC** = grower comparison product, **ns** = not significantly different

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Report date: 11/6/2013 Revised:

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Applied N-P-K (units): 164-13-30
SEEDED - RATE - ROW: May 11 33,500 /A 30" spacing
HARVESTED - STAND: Nov 4 31,000 /A

Full-Season Test
91 - 94 Day CRM
B2013RDRV18b

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	PX92RV3P	VT3P	AC,P2	92	176.3	20.0	2	32.4	771	1
NuTech/G2 Gen	5X-894	HXT,RR2	MQ,P1V,R	94	173.8	17.5	9	32.9	771	2
Dyna-Gro	D34VC52	VT2P	AC,P5V	94	172.6	22.8	1	29.5	743	4
NuTech	5B-290	GT/CB/LL	MQ,C2	91	170.6	18.0	4	28.0	755	3
Producers	5144VT3PRIB	VT3P,B	AC,P5V	91	165.1	19.8	2	33.9	723	5
Viking	VS94-571	VT2P,B	AC,P2	94	164.9	21.8	12	29.5	714	7
Titan Pro	2M91-2P	VT2P,B	AC,P2,Z	91	162.0	16.5	2	32.4	723	6
Stine	9209VT3Pro	VT3P	AC,P2	91	159.7	18.2	1	31.4	706	8
Wensman	W 80952VT2RIB	VT2P,B	AC,P2	95	158.8	17.8	9	30.5	703	9
Rea	4B285-RIB	VT2P,B	AC,P5V	93	158.5	17.6	10	32.4	703	10
Seeds 2000	9504VT3P	VT3P	AC,P2	94	158.3	19.8	5	32.4	693	11
Titan Pro	2M93-SS	STX,B	AC,P2,Z	93	157.3	23.5	6	32.4	674	15
Stine	9208VT3Pro	VT3P	AC,P2	91	156.1	17.6	1	31.5	692	12
Viking	VS91-591	VT2P,B	AC,P2	91	155.7	17.1	4	31.4	692	13
Wensman	W 8184VT2RIB	VT2P,B	AC,P2	95	153.9	24.2	6	33.9	657	19
Wensman	W 90935VT3PRO	VT3P	AC,P2	93	153.1	17.4	22	32.9	680	14
Dairyland	DS9093	3122	CM,C2	93	152.5	23.3	1	29.5	655	20
Proseed	PX93BV2PRIB	VT2P,B	AC,P2	93	151.6	18.0	9	31.4	671	16
Rea	3A921-RIB	STX,B	AC,P5V	92	151.4	20.5	1	31.9	660	17
LG Seeds	LG2414VT3PRIB	VT3P,B	AC,P5V	91	149.4	18.5	3	30.5	659	18
Rea	3A929-RIB	STX,B	AC,P5V	92	148.8	21.3	6	30.5	646	22
Stine	R9311VT3Pro	VT3P,B	AC,P2	93	146.5	17.5	13	28.5	650	21
Gold Country	94-29R2P	VT2P,B	AC,P2	94	146.5	18.6	15	32.4	646	23
Anderson	689VT3P GC	VT3P	CE,C2	95	146.5	19.2	10	28.5	644	24
Seeds 2000	9503VT2PRIB	VT2P,B	AC,P2	94	143.2	19.0	17	31.9	630	27
Dyna-Gro	D31SS31	STX	AC,P5V	91	142.4	17.7	10	31.0	631	26
Dyna-Gro	CX32VP56	VT3P	P5V	92	141.9	18.7	1	31.5	625	28
NuTech/G2 Gen	5Z-091	OI	MQ,P1V,R	91	141.3	15.0	21	30.5	636	25
Mustang	3893GENSS	STX,B	AC,P5V	93	140.4	17.9	9	32.4	622	30
Seeds 2000	9202VT2PRIB	VT2P,B	CM,C2	92	140.3	16.8	15	31.9	625	29
Golden Harvest	G94R16-3000GT CK	3000GT	CM,C2	94	118.7	18.5	2	29.0	524	50

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Test Average = **142.7** **18.7** **8** **31.0** **629**
LSD (0.10) = 33.8 2.4 15
C.V. = 17.5 9.6

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Price = \$4.50 Local GMO
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Early-Season Test Products (53 Total)

Company/Brand	Product/Brand	Technol.	Seed Trt	RM	Company/Brand	Product/Brand	Technol.	Seed Trt	RM
AgVenture/Scherr	GL2708AB	GT/CB/LL	P5	87	Titan Pro	6886 GC	RR2	AC,P2	86
AgVenture/Scherr	GL4132ABW	3000GT	P5	90	Titan Pro	TP 32-86	VT2P	AC,P2,Z	86
Channel	186-31VT2PRIB	VT2P,B	AC,P5V	86	Viking	VS85-572	VT2P,B	AC,P2	85
Channel	189-03VT2PRIB	VT2P,B	AC,P5V	89	Viking	VS88-116	VT2P,B	AC,P2	88
Dairyland	DS7085	GT/CB/LL	CM,C2	85	Wensman	W 60851RR	RR2	AC,P2	85
Dairyland	DS7985	GT/CB/LL	CM,C2	86	Wensman	W 8085VT2RIB	VT2P,B	AC,P2	84
Dairyland	DS9487RA	STX,B	CM,C2	87	Wensman	W 8097VT2RIB	VT2P,B	AC,P2	88
Dyna-Gro	CX29SS30	STX	AC,P5V	89	Wensman	W 90904STX	STX	AC,P2	89
Dyna-Gro	D24VC44	VT2P	AC,P5V	85					
Dyna-Gro	D26VP56	VT3P	AC,P5V	86					
Gold Country	84-75R2P	VT2P,B	AC,P5V	84					
Gold Country	85-39R3P	VT3P,B	AC,P2	85					
Gold Country	90-26R2P	VT2P,B	AC,P5V	90					
Gold Country	91-45RSS	STX,B	AC,P5V	91					
Golden Harvest	G94R16-3000GT CK	3000GT	CM,C2	94					
Hyland	8202RA	STX,B	CM,C2	85					
Hyland	8295RA	STX,B	CM,C2	88					
Latham	LH3397VT2PRORIB G	VT2P,B	AC,P5V	83					
Latham	LH3647VT2PRORIB G	VT2P,B	AC,P5V	86					
Latham	LH4098VT3PRORIB G	VT3P,B	AC,P2	90					
LG Seeds	LG5408STX	STX	AC,P5V	90					
Mustang	2285GENVT2P	VT2P	AC,P2	85					
Mustang	2686GENVT3P	VT3P	AC,P2	86					
NuTech	5B-186	GT/CB/LL	MQ,C2	86					
NuTech	5B-888	GT/CB/LL	MQ,C2	88					
Prairie Brand	821GTCB	GT/CB/LL	CM,C2	85					
Prairie Brand	851RA	STX,B	CM,C1	87					
Prairie Brand	892RA	STX,B	CM,C1	89					
Prairie Brand	920GT3	3000GT	CM,C1	90					
Proseed	1286VT3PRIB	VT3P,B	AC,P2	86					
Proseed	1287GT3000	3000GT	CM,C2	87					
Proseed	1288-3111	3111	CM,C2	88					
Proseed	PX85BVT2PRIB	VT2P,B	AC,P2	85					
Rea	3A901-RIB	STX,B	AC,P5V	90					
Rea	3B266-RIB	VT2P,B	AC,P2	89					
Rea	3B330-RIB	VT2P,B	AC,P2	90					
Rea	3B890-RIB	VT2P,B	AC,P5V	89					
Renk	RK266VT3P	VT3P	AC,P2	85					
Renk	RK290GTCBLLRW	3000GT	CE,C2	86					
Renk	RK302GTCBLLHXBL	3220,B	CE,C2	88					
Seeds 2000	2852GTCBLL	GT/CB/LL	CM,C2	85					
Seeds 2000	8701VT2P	VT2P	AC,P2	87					
Seeds 2000	8801VT2PRIB	VT2P,B	AC,P2	88					
Seeds 2000	9001VP3220	3220,B	CM,C2	90					
Stine	9201VT3Pro	VT3P	AC,P2	86					

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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 RL4406YHB^	OI	P5	94	Titan Pro	92A90GLV	3220,B	CM,C2,Z	91
AgVenture/Scherr	VPmx RL4492HBW^	HXT,RR2	P5	92	Titan Pro	93A94	3000GT	CM,C2,Z	94
Anderson	689VT3P GC	VT3P	CE,C2	95	Viking	VS91-591	VT2P,B	AC,P2	91
Channel	192-08VT2PRIB	VT2P,B	AC,P5V	92	Viking	VS92-110	VT2P,B	AC,P2	92
Channel	195-58STXRIB	STX,B	AC,P5V	95	Viking	VS94-571	VT2P,B	AC,P2	94
Dairyland	DS9093	3122	CM,C2	93	Wensman	W 7110VT3PRIB	VT3P,B	AC,P2	90
Dairyland	DS9791RA	STX,B	CM,C2	92	Wensman	W 80952VT2RIB	VT2P,B	AC,P2	95
Dyna-Gro	CX32VP56	VT3P	P5V	92	Wensman	W 8184VT2RIB	VT2P,B	AC,P2	95
Dyna-Gro	D31SS31	STX	AC,P5V	91	Wensman	W 90935VT3PRO	VT3P	AC,P2	93
Dyna-Gro	D34VC52	VT2P	AC,P5V	94					
Gold Country	91-30RSS	STX,B	AC,P5V	91					
Gold Country	93-07RSS	STX,B	AC,P5V	93					
Gold Country	94-29R2P	VT2P,B	AC,P2	94					
Golden Harvest	G94R16-3000GT CK	3000GT	CM,C2	94					
Hyland	3395	RR2	CM,C2	94					
Hyland	8300RA	STX,B	CM,C2	91					
Hyland	8315RA	STX,B	CM,C2	92					
Kruger	K4R-9593	STX,B	AC,P5V	93					
LG Seeds	LG2414VT3PRIB	VT3P,B	AC,P5V	91					
Mustang	3291GENVT2P	VT2P	AC,P2	90					
Mustang	3893GENSS	STX,B	AC,P5V	93					
NuTech	5B-290	GT/CB/LL	MQ,C2	91					
NuTech	5N-9404	3000GT	MQ,C2	94					
NuTech/G2 Gen	5X-193	HXT,RR2	MQ,C2	93					
NuTech/G2 Gen	5X-795	HXT,RR2	MQ,C2	94					
NuTech/G2 Gen	5X-894	HXT,RR2	MQ,P1V,R	94					
NuTech/G2 Gen	5Z-091	OI	MQ,P1V,R	91					
Producers	5144VT3PRIB	VT3P,B	AC,P5V	91					
Proseed	1191SSRIB	STX,B	AC,P2	91					
Proseed	PX92RVT3P	VT3P	AC,P2	92					
Proseed	PX93BVT2PRIB	VT2P,B	AC,P2	93					
Rea	3A921-RIB	STX,B	AC,P5V	92					
Rea	3A929-RIB	STX,B	AC,P5V	92					
Rea	4B285-RIB	VT2P,B	AC,P5V	93					
Rea	4B941-RIB	VT2P,B	AC,P2	94					
Renk	RK492SSTX	STX,B	AC,P5V	92					
Renk	RK522SSTX	STX	AC,P2	94					
Seeds 2000	9202VT2PRIB	VT2P,B	CM,C2	92					
Seeds 2000	9503VT2PRIB	VT2P,B	AC,P2	94					
Seeds 2000	9504VT3P	VT3P	AC,P2	94					
Stine	9208VT3Pro	VT3P	AC,P2	91					
Stine	9209VT3Pro	VT3P	AC,P2	91					
Stine	R9311VT3Pro	VT3P,B	AC,P2	93					
Titan Pro	2M91-2P	VT2P,B	AC,P2,Z	91					
Titan Pro	2M93-SS	STX,B	AC,P2,Z	93					

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 F.I.R.S.T. when space permits.

Corn Technologies*

3000GT	Agrisure® 3000GT (CB,RW,LL,GT)	GT/CB/LL	Agrisure® GT/CB/LL
3011A	Agrisure® Artesian® (CB,RW,LL,GT)	HX	Herculex® 1, contains LL
3110	Agrisure® Viptera® 3110 (Vip, CB,LL,GT)	HX,RR2	Herculex® 1, Roundup Ready 2 Corn
3111	Agrisure® Viptera® 3111 (Vip,CB,RW,LL,GT)	HXRW	Herculex® rootworm, contains LL
3122	Agrisure® 3122 (CB,HXX,RW,LL,GT)	HXT	Herculex® Xtra (HX,HXRW,LL)
3220	Agrisure® Viptera® 3220 (Vip,CB,HX,LL,GT)	HXT,RR2	Herculex® Xtra, Roundup Ready 2 Corn
AM	Optimum® AcreMax® (YGCB,HX,LL,RR2)	LL	LibertyLink®
AM-R	Optimum® AcreMax® (YGCB,HX,RR2)	None	conventional corn
AM1	Optimum® AcreMax®1 (HXT,LL,RR2)	OI	Optimum® Intrasect® (YGCB,HX,LL,RR2)
AMRW	Optimum® AcreMax® Rootworm (HXRW,LL,RR2)	OIX	Optimum® Intrasect® Xtra (YGCB,HXT,LL,RR2)
AMRW-R	Optimum® AcreMax® Rootworm (HXRW,RR2)	OIXT	Optimum® Intrasect® Xtreme (YGCB,HXT,RW,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)
B	Blended seed (i.e. refuge blend)	VT2P	Genuity® VT Double Pro®
CB/LL	Agrisure® CB/LL	VT3	YieldGard VT Triple®
CB/LL/RW	Agrisure® CB/LL/RW	VT3P	Genuity® VT Triple Pro®
GT	Agrisure® GT	YGCB	YieldGard® Corn Borer

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

Corn Seed Treatments**

?	information not provided	MQ	Maxim Quattro®
A	Allegiance®	None	untreated
AC	Acceleron® fungicide products	P2, P5, P1	Poncho® at 0.25, 0.5 and 1.25 mg ai/seed, respectively
AVC	Avicta® Complete Corn	R	Raxil® (tebuconazole)
C2, C5, C1	Cruiser® at 0.25, 0.5 and 1.25 mg ai/seed, respectively	SStd	SureStand™
CE	Cruiser Extreme®	St	Stamina® (pyraclostrobin)
CM	CruiserMaxx® Corn	T	Trilex® (trifloxystrobin)
D	Dynasty® (azoxystrobin)	V	Votivo®
Es	Escalate®	Z	zinc
M	Maxim XL®		

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