

2014 Corn Grain Top 30 Harvest Report

Minnesota Southwest [MNSW] JEFFERS
Rick Quade, Cottonwood County, MN 56083



Test by: IMQ, LLC, New Richland, MN

PREV. CROP/HERB: Soybean / Roundup
SOIL DESCRIPTION: Wilmington clay loam, mod. well drained, conventional w/ fall till, non-irrigated
SOIL CONDITION: Mod. High P, high K, 6.6 pH, 4.9% OM
PEST MANAGEMENT: Force, SureStart, Roundup
FERTILITY - Applied N: 60 Fall, 130 Spring
Applied N-P-K (units): 190-120-90
SEEDED - RATE - ROW: May 6 35,300 /A 30" spacing
HARVESTED - STAND: Oct 25 32,000 /A

Early-Season Test

96 - 101 Day CRM
B2014MNSW10a

Top 30 of 63

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
LG Seeds	LG5499STXRIB	STX,B	AC,P5V	100	199.2	18.2	2	33.5	602	1
Dyna-Gro	D41SS71	STX	AC,P5V	101	193.3	18.0	0	31.2	585	4
Channel	197-68STXRIB	STX,B	AC,P5V	97	192.4	17.8	0	32.1	583	6
Gold Country	99-52RSS	STX,B	AC,P5V	99	191.7	16.7	0	31.2	586	3
Gold Country	98-38RSS	STX,B	AC,P5V	98	190.8	16.5	0	33.5	584	5
Prairie Brand	4895GT3	3000GT	CM,C2	98	188.7	17.1	0	28.9	575	7
Gold Country	97-65RSS	STX,B	AC,P5V	97	187.3	16.2	0	31.2	575	8
Rob-See-Co	Innotech IC4903^	3111A	CM,C2	99	186.5	16.4	0	33.9	572	9
Titan Pro	TP 31-01 3011A	3011A	AVC,C2	101	186.4	17.2	0	33.9	568	11
Renk	RK605SSTX	STX	AC,P2	100	185.9	16.8	0	33.9	568	12
Channel	199-29STXRIB	STX,B	AC,P5V	99	185.3	16.0	0	32.6	570	10
Dyna-Gro	D39VP14	VT3P	AC,P5V	99	184.6	16.7	0	33.0	564	15
Wyffels	W2308	STX	AC,P5V	100	184.6	18.0	0	33.0	558	16
Wyffels	W1698RIB	STX,B	AC,P5V	97	183.8	15.3	0	33.0	568	13
Wensman	W 70975VT3PRIB	VT3P,B	AC,P5V	97	183.1	15.3	0	32.6	566	14
LG Seeds	LG5470STXRIB	STX,B	AC,P5V	98	182.1	17.1	0	33.5	555	19
Latham	LH4955VT2PRORIB	VT2P,B	AC,P5V	99	181.8	16.6	0	32.5	556	17
Prairie Brand	4995SX	STX	CM,C2	99	181.8	16.6	2	33.0	556	18
LG Seeds	LG5460STX	STX	AC,P5V	97	181.6	16.8	0	32.5	555	20
Wensman	W 91011STXRIB	STX,B	AC,P5V	101	181.5	17.3	0	28.9	552	24
Rob-See-Co	Innotech IC5112^	3011A	CM,C2	101	181.2	17.3	0	33.0	551	26
Enestvedt	E671VT3P	VT3P	CM,C2	100	180.8	16.6	0	32.1	553	22
Titan Pro	TP 39-00 SS	STX,B	AC,P5V	100	180.0	15.8	0	33.5	554	21
Anderson	658SRC	STX,B	AC,P2	96	179.3	15.6	0	31.2	553	23
Curry	XC-1401CYXR	OIXT,AQ	MQ,P5V,R	101	179.1	16.5	0	31.2	548	27
Renk	RK591DC5222A	5222,A	CM,C2	99	178.8	15.6	0	30.3	552	25
Latham	LH4859SSRIB	STX,B	AC,P5V	98	178.6	16.2	0	30.3	548	28
Wensman	W 9288STXRIB	STX,B	AC,P5V	98	178.6	17.9	0	32.1	541	31
Viking	T51-01R	GT,B	CM,C2	101	178.0	16.8	0	33.9	544	30
Anderson	537R	RR2	M,D,At	101	177.9	16.2	0	33.5	546	29
Dekalb	DKC53-56RIB CK	STX,B	AC,P5V	103	193.0	17.5	0	31.6	586	2

Mark Querna

mark.querna@firstseedtests.com, (507) 380-9920

Test Average = **176.5** **16.7** **0** **32.0** **539**

LSD (0.10) = 14.2 1.0 1

LSD (0.25) = 9.9 0.7 1

C.V. = 6.0 4.6

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Price = $\frac{\$3.10}{\$3.10}$ Local GMO non-GMO

Test Comments: Excessive rain in late May and June caused saturation of the root zone at this level site. Temperatures were moderate all summer, and plants matured slowly. This site had dairy manure applied as part of the fertility program, and Rick was worried that some denitrification took place due to the rainfall in early summer. However, stalks stood well here at harvest.

† 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: 10/28/2014 Revised:

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PEST MANAGEMENT: Force, SureStart, Roundup
FERTILITY - Applied N: 60 Fall, 130 Spring
Applied N-P-K (units): 190-120-90
SEEDED - RATE - ROW: May 6 35,300 /A 30" spacing
HARVESTED - STAND: Oct 25 31,900 /A

Full-Season Test

102 - 105 Day CRM
B2014MNSW10b

Top 30 of 48

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	LH5215VT2PRORIB	VT2P,B	AC,P2	102	204.4	21.2	0	33.9	602	4
Viking	C78-05R	VT3P,B	AC,P2	105	202.6	17.1	0	32.1	617	1
Gold Country	105-49RSS	STX,B	AC,P5V	105	202.5	18.0	0	30.3	613	2
Titan Pro	2M04-2P	VT2P,B	AC,P2	104	202.0	20.5	0	32.6	598	6
Wensman	W 9325STXRIB	STX,B	AC,P5V	102	199.6	18.2	0	29.3	603	3
NuTech/G2 Gen	5H-502^	HX,RR2	MQ,P5V	102	198.6	18.0	0	32.6	601	5
Prairie Brand	1041RA	STX,B	CM,C2	104	198.4	18.8	0	32.6	596	7
LG Seeds	LG5502STX	STX	AC,P5V	102	195.1	18.2	0	34.4	589	8
Latham	LH5509SSRIB	STX,B	AC,P5V	105	194.9	19.7	1	31.2	581	11
Renk	RK752SSTX	STX,B	AC,P2	105	193.3	22.3	2	32.6	564	20
Gold Country	102-88RSS	STX,B	AC,P5V	102	192.4	17.8	0	30.7	583	10
Dekalb	DKC54-38RIB GC	STX,B	AC,P5V	104	190.7	19.6	0	31.6	569	15
Channel	203-44STXRIB	STX,B	AC,P5V	103	189.7	18.2	0	33.0	573	12
Curry	XC-1402YXR	OIX	MQ,P5V,R	102	189.0	17.9	0	32.6	572	14
Curry	422-09CHR	OT	MQ,P1V,R	102	189.0	19.3	0	33.0	566	18
Wyffels	W3358	STX	AC,P5V	103	188.8	17.7	0	33.9	573	13
Renk	RK699SSTX	STX,B	AC,P2	105	188.5	18.3	0	34.4	569	16
Channel	202-64STXRIB	STX,B	AC,P5V	102	187.9	17.8	0	31.2	569	17
Latham	LH5219SSRIB	STX,B	AC,P5V	102	186.3	20.5	0	29.3	552	25
Wensman	W 91051STX	STX	AC,P5V	105	186.0	18.5	0	31.2	560	22
NuTech/G2 Gen	5H-905^	HX,RR2	MQ,P5V	105	185.5	18.1	0	30.3	561	21
Pfister	2399GT3000	3000GT	CM,C2	104	185.2	16.8	6	29.8	566	19
Titan Pro	1M02-SS	STX,B	AC,P5V	102	184.8	18.8	0	33.0	555	23
Pfister	2225RA	STX,B	CM,C2	102	182.9	19.2	0	31.6	548	26
NuTech/G2 Gen	5Z-002^	OI	MQ,P1V,R	102	181.4	17.1	1	30.3	553	24
Dairyland	DS6805	STX	CM,C2	105	179.2	17.9	0	33.5	543	29
LG Seeds	LG5523STX	STX	AC,P5V	105	179.0	18.2	0	35.3	541	30
Titan Pro	TP 39-02 SS	STX,B	AC,P5V	102	178.6	16.7	0	28.9	546	27
TA Seeds	TA524-22DPRIB	VT2P,B	CM,C2	102	178.4	16.9	0	33.5	545	28
Renk	RK666SSTX	STX,B	AC,P2	102	174.5	16.3	0	30.3	535	31
Dekalb	DKC53-56RIB CK	STX,B	AC,P5V	103	195.8	18.8	0	33.9	588	9

Mark Querna

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Test Average = **183.8** **18.8** **1** **31.9** **553**

LSD (0.10) = 12.0 1.2 2

LSD (0.25) = 8.3 0.8 1

C.V. = 4.8 4.6

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Price = $\frac{\$3.10}{\$3.10}$ Local GMO non-GMO

Test Comments: Excessive rain in late May and June caused saturation of the root zone at this level site. Temperatures were moderate all summer, and plants matured slowly. This site had dairy manure applied as part of the fertility program, and Rick was worried that some denitrification took place due to the rainfall in early summer. However, stalks stood well here at harvest.

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Early-Season Test Products (63 Total)

Company/Brand	Product/Brand	Technol.	Seed Trt	RM	Company/Brand	Product/Brand	Technol.	Seed Trt	RM
Anderson	537R	RR2	M,D,At	101	Renze	3145SST	STX	CM,C2	100
Anderson	615R	RR2	M,D,At	98	Rob-See-Co	Innotech IC4654^	3111	CM,C2	96
Anderson	615VT3P	VT3P	CE,C2	98	Rob-See-Co	Innotech IC4903^	3111A	CM,C2	99
Anderson	658SRC	STX,B	AC,P2	96	Rob-See-Co	Innotech IC5112^	3011A	CM,C2	101
Channel	197-68STXRIB	STX,B	AC,P5V	97	TA Seeds	TA477-31	3111	CM,C2	97
Channel	199-29STXRIB	STX,B	AC,P5V	99	Titan Pro	TP 31-01 3011A	3011A	AVC,C2	101
Channel	201-39STXRIB	STX,B	AC,P5V	101	Titan Pro	TP 35-01 2P	VT2P,B	AC,P2	101
Curry	817-95AMX	AMX,B	MQ,P5V,R	97	Titan Pro	TP 39-00 SS	STX,B	AC,P5V	100
Curry	XC-1401CYXR	OIXT,AQ	MQ,P5V,R	101	Titan Pro	TP 39-98 SS	STX,B	AC,P5V	98
Dairyland	DS9898RA	STX,B	CM,C2	98	Viking	D81-01RL	STX,B	AC,P5V	101
Dairyland	DS9900SSX	STX	CM,C2	99	Viking	T51-01R	GT,B	CM,C2	101
Dekalb	DKC53-56RIB CK	STX,B	AC,P5V	103	Wensman	W 70975VT3PRIB	VT3P,B	AC,P5V	97
Dyna-Gro	D39VP14	VT3P	AC,P5V	99	Wensman	W 90979STX	STX	AC,P5V	97
Dyna-Gro	D41SS71	STX	AC,P5V	101	Wensman	W 91011STXRIB	STX,B	AC,P5V	101
Enestvedt	E671VT3P	VT3P	CM,C2	100	Wensman	W 9288STXRIB	STX,B	AC,P5V	98
Enestvedt	E693SSRIB	STX,B	AC,P5V	100	Wyffels	W1698RIB	STX,B	AC,P5V	97
Gold Country	97-65RSS	STX,B	AC,P5V	97	Wyffels	W1818	STX	AC,P5V	97
Gold Country	98-38RSS	STX,B	AC,P5V	98	Wyffels	W2308	STX	AC,P5V	100
Gold Country	99-52RSS	STX,B	AC,P5V	99					
Kussmaul	SB-1098RR	RR2	AC,P2	98					
Latham	LH4645VT2PRORIB	VT2P,B	AC,P5V	96					
Latham	LH4859SSRIB	STX,B	AC,P5V	98					
Latham	LH4955VT2PRORIB	VT2P,B	AC,P5V	99					
Latham	LH5145VT2PRODGRIB	VT2P,DG,B	AC,P5V	101					
LG Seeds	LG5460STX	STX	AC,P5V	97					
LG Seeds	LG5470STXRIB	STX,B	AC,P5V	98					
LG Seeds	LG5499STXRIB	STX,B	AC,P5V	100					
NuTech/G2 Gen	5F-198^	AM,B	MQ,P5V	98					
NuTech/G2 Gen	5F-200^	AM,AQ,B	MQ,P5V	100					
NuTech/G2 Gen	5X-698^	HXT,RR2,AC	MQ,P5V	98					
NuTech/G2 Gen	5Y-196^	OIX	MQ,P1V,R	96					
Pfister	1740SS	STX	AC,P5	98					
Pfister	1780RA	STX,B	CM,C2	98					
Pfister	1785GT3000	3000GT	CM,C2	100					
Pfister	1821RA	STX,B	CM,C2	100					
Pioneer	P9834AMX GC	AMX,B	MQ,C2	98					
Prairie Brand	4895GT3	3000GT	CM,C2	98					
Prairie Brand	4995SX	STX	CM,C2	99					
Prairie Brand	5065GT3	3000GT	CM,C2	100					
Prairie Brand	971RA	STX,B	CM,C2	98					
Renk	RK581SSTX	STX,B	AC,P2	100					
Renk	RK591DC5222A	5222,A	CM,C2	99					
Renk	RK596SSTX	STX	AC,P2	98					
Renk	RK605SSTX	STX	AC,P2	100					
Renze	3144RA	STX,B	CM,C2	101					

2014 Corn Grain - Minnesota Southwest [MNSW]



Full-Season Test Products (48 Total)

Company/Brand	Product/Brand	Technol.	Seed Trt	RM	Company/Brand	Product/Brand	Technol.	Seed Trt	RM
Channel	202-64STXRIB	STX,B	AC,P5V	102	Wensman	W 9325STXRIB	STX,B	AC,P5V	102
Channel	203-44STXRIB	STX,B	AC,P5V	103	Wyffels	W3358	STX	AC,P5V	103
Channel	203-88STXRIB	STX,B	AC,P5V	103	Wyffels	W3998RIB	STX,B	AC,P5V	105
Curry	422-09CHR	OT	MQ,P1V,R	102					
Curry	XC-1402YXR	OIX	MQ,P5V,R	102					
Curry	XC-1404 YXR	OIX	MQ,P5V,R	104					
Dairyland	DS6805	STX	CM,C2	105					
Dairyland	DS6905	STX	CM,C2	105					
Dairyland	DS9305RA	STX,B	CM,C2	105					
Dekalb	DKC53-56RIB CK	STX,B	AC,P5V	103					
Dekalb	DKC54-38RIB GC	STX,B	AC,P5V	104					
Gold Country	102-88RSS	STX,B	AC,P5V	102					
Gold Country	105-49RSS	STX,B	AC,P5V	105					
Latham	LH5215VT2PRORIB	VT2P,B	AC,P2	102					
Latham	LH5219SSRIB	STX,B	AC,P5V	102					
Latham	LH5509SSRIB	STX,B	AC,P5V	105					
Latham	LH5574-3000GT	3000GT	CM,C2	105					
LG Seeds	LG5502STX	STX	AC,P5V	102					
LG Seeds	LG5518STXRIB	STX,B	AC,P5V	104					
LG Seeds	LG5523STX	STX	AC,P5V	105					
NuTech/G2 Gen	5F-805^	AM,B	MQ,P5V	105					
NuTech/G2 Gen	5H-502^	HX,RR2	MQ,P5V	102					
NuTech/G2 Gen	5H-905^	HX,RR2	MQ,P5V	105					
NuTech/G2 Gen	5Z-002^	OI	MQ,P1V,R	102					
Pfister	2225RA	STX,B	CM,C2	102					
Pfister	2313RA	STX,B	CM,C2	104					
Pfister	2399GT3000	3000GT	CM,C2	104					
Prairie Brand	1041RA	STX,B	CM,C2	104					
Prairie Brand	5495SX	STX	CM,C2	104					
Prairie Brand	5624GT	GT	CM,C2	105					
Prairie Brand	X1457SX	STX	CM,C2	104					
Renk	RK629VT3P	VT3P,B	AC,P2	101					
Renk	RK666SSTX	STX,B	AC,P2	102					
Renk	RK699SSTX	STX,B	AC,P2	105					
Renk	RK752SSTX	STX,B	AC,P2	105					
Renze	3174RA	STX,B	CM,C2	102					
TA Seeds	TA524-22DPRIB	VT2P,B	CM,C2	102					
TA Seeds	TA544-28RIB	STX,B	CM,C2	104					
Titan Pro	1M02-SS	STX,B	AC,P5V	102					
Titan Pro	2M04-2P	VT2P,B	AC,P2	104					
Titan Pro	TP 39-02 SS	STX,B	AC,P5V	102					
Titan Pro	TP 39-05 SS	STX,B	AC,P5V	105					
Viking	C78-05R	VT3P,B	AC,P2	105					
Wensman	W 7330VT3PRIB	VT3P,B	AC,P5V	104					
Wensman	W 91051STX	STX	AC,P5V	105					

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	Accelaron® 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.