

**2014 Corn Grain Top 30 Harvest Report**  
 Minnesota West Central [ MNWC ] LITCHFIELD  
 Tom Walsh, Meeker County, MN 55355



Test by: IMQ, LLC, New Richland, MN

PREV. CROP/HERB: Soybean / Warrant, Roundup  
 SOIL DESCRIPTION: Hamel-Glencoe clay loam, well drained, conventional w/ fall till, non-irrigated  
 SOIL CONDITION: High P, high K, 6.4 pH, 3.2% OM  
 PEST MANAGEMENT: Force, SureStart, Roundup  
 FERTILITY - Applied N: 100 Fall, 110 Spring  
 Applied N-P-K (units): 210-130-105  
 SEEDED - RATE - ROW: May 24 35,300 /A 30" spacing  
 HARVESTED - STAND: Oct 26 31,800 /A

**Early-Season Test**  
**93 - 98 Day CRM**  
 B2014MNWC06a

**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	LG5470STXRIB	STX,B	AC,P5V	98	<b>208.9</b>	19.0	0	31.6	627	2
Renk	RK522SSTX	STX,B	AC,P2	94	<b>208.1</b>	17.1	0	32.6	634	1
Renk	RK596SSTX	STX	AC,P2	98	<b>205.5</b>	17.8	0	33.9	623	3
Gold Country	94-19RSS	STX,B	AC,P5V	94	<b>204.1</b>	17.8	0	34.4	618	5
Wensman	W 9288STXRIB	STX,B	AC,P5V	98	<b>203.9</b>	18.5	0	31.6	614	7
Viking	VS94-571	VT2P,B	AC,P2	94	<b>203.1</b>	16.3	0	32.1	623	4
Prairie Brand	4895GT3	3000GT	CM,C2	98	<b>202.6</b>	17.1	0	32.1	617	6
Channel	196-77STXRIB	STX,B	AC,P5V	96	<b>201.4</b>	17.3	0	33.0	613	8
Anderson	615R	RR2	M,D,At	98	200.1	18.1	0	31.2	605	10
Wensman	W 90979STX	STX	AC,P5V	97	199.9	17.6	0	29.8	607	9
Gold Country	98-38RSS	STX,B	AC,P5V	98	198.5	17.2	0	31.7	604	11
Channel	197-68STXRIB	STX,B	AC,P5V	97	197.9	20.6	0	31.6	586	17
Latham	LH4859SSRIB	STX,B	AC,P5V	98	197.1	19.2	0	33.0	590	14
Rob-See-Co	Innotech IC4654^	3111	CM,C2	96	194.6	15.7	0	31.6	600	12
Dekalb	DKC44-13RIB GC	STX,B	AC,P5V	94	194.5	17.8	0	31.6	589	15
Dyna-Gro	D37SS60	STX	AC,P5V	97	193.9	16.9	0	31.2	592	13
Prairie Brand	4594GT3	3000GT	CM,C2	96	192.1	20.0	0	29.3	571	27
LG Seeds	LG5425STXRIB	STX,B	AC,P5V	95	192.0	16.7	0	30.7	587	16
Viking	VS92-110	VT2P,B	AC,P2	92	192.0	17.1	0	30.7	585	19
Prairie Brand	971RA	STX,B	CM,C2	98	192.0	18.0	0	32.1	581	22
Dahlman	R47-35VT3PRIB	VT3P,B	AC,P2	94	191.1	16.3	0	33.5	586	18
Latham	LH4645VT2PRORIB	VT2P,B	AC,P5V	96	191.1	16.6	0	31.2	585	20
Titan Pro	2M95-2P	VT2P,B	AC,P2	95	189.8	17.0	0	33.0	579	23
Dahlman	R49-312SSRIB	STX,B	AC,P5V	98	189.1	18.4	0	30.7	570	31
Anderson	689VT3P	VT3P	CE,C2	95	188.9	15.5	0	30.3	583	21
Nuseed	9304VT2P	VT2P	AC,P2	93	188.9	16.3	0	31.2	579	24
Thunder	7396VT2PRIB	VT2P,B	AC,P2	96	188.2	16.3	0	33.5	577	25
Latham	LH4679SSRIB	STX,B	AC,P5V	96	186.3	16.5	0	29.8	571	28
Latham	LH4455VT3PRORIB	VT3P,B	AC,P2	94	185.9	16.2	0	33.5	571	29
NuTech/G2 Gen	5F-198^	AM,B	MQ,P5V	98	184.3	15.0	0	33.9	571	30
Dekalb	DKC48-12RIB CK	STX,B	AC,P5V	98	189.5	17.6	0	32.6	575	26

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Test Average = **186.5**    **16.9**    **0**    **31.8**    **569**  
 LSD (0.10) = 14.8    1.4    ns  
 LSD (0.25) = 10.3    1.0    ns  
 C.V. = 5.8    6.3

**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:** *Stalks were brittle here, as at most MN sites this year, but lack of big winds allowed corn to stand tall at harvest. Yields dropped on low lying soils, due to excessive moisture in late May and June. However, good fertility levels from years of applied turkey manure helped reduce yield variation from saturated soils. A Sept 13 patchy frost did not affect the tests but reduced Tom's corn to 130 bpa in areas.*

† 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: High P, high K, 6.4 pH, 3.2% OM  
 PEST MANAGEMENT: Force, SureStart, Roundup  
 FERTILITY - Applied N: 100 Fall, 110 Spring  
 Applied N-P-K (units): 210-130-105  
 SEEDED - RATE - ROW: May 24 35,300 /A 30" spacing  
 HARVESTED - STAND: Oct 26 32,300 /A

**Full-Season Test**  
**99 - 102 Day CRM**  
 B2014MNWC06b

**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
Gold Country	102-88RSS	STX,B	AC,P5V	102	<b>212.4</b>	18.6	0	33.5	639	1
Croplan	4099SS/RIB GC	STX,B	AC,P5V	99	<b>209.1</b>	19.8	0	32.6	623	3
Nuseed	3014VT2P	VT2P	AC,P2	101	<b>208.6</b>	19.0	0	31.6	626	2
Latham	LH5219SSRIB	STX,B	AC,P5V	102	<b>208.6</b>	22.4	0	28.9	608	7
LG Seeds	LG5499STXRIB	STX,B	AC,P5V	100	<b>208.4</b>	20.2	0	32.6	619	4
Dekalb	DKC53-56RIB GC	STX,B	AC,P5V	103	<b>206.3</b>	19.8	0	31.2	615	5
Dyna-Gro	D41SS71	STX	AC,P5V	101	<b>205.8</b>	20.6	0	33.9	609	6
Dekalb	DKC54-38RIB GC	STX,B	AC,P5V	104	201.7	20.9	0	31.2	596	11
Dahlman	R50-306SSRIB	STX,B	AC,P2	101	201.2	19.6	0	32.1	601	8
Dahlman	R51-313SSRIB	STX,B	AC,P2	102	199.8	19.2	0	29.8	598	10
Channel	201-39STXRIB	STX,B	AC,P5V	101	196.7	19.7	0	32.6	587	14
Nuseed	9904VT2P	VT2P	AC,P2	99	196.3	18.2	0	33.9	593	12
Titan Pro	TP 39-00 SS	STX,B	AC,P5V	100	196.0	18.8	0	33.0	589	13
Prairie Brand	5065GT3	3000GT	CM,C2	100	195.7	21.3	0	32.6	576	22
Titan Pro	TP 31-01 3011A	3011A	AVC,C2	101	195.3	20.3	1	33.0	580	19
LG Seeds	LG5502STX	STX	AC,P5V	102	195.2	19.0	0	33.5	586	15
Anderson	588VT3P	VT3P	CE,C2	101	194.6	19.5	0	33.5	581	17
Wensman	W 9325STXRIB	STX,B	AC,P5V	102	194.3	19.4	0	31.6	581	18
Latham	LH5215VT2PRORIB	VT2P,B	AC,P2	102	194.3	21.6	1	32.1	570	25
Titan Pro	TP 39-02 SS	STX,B	AC,P5V	102	192.9	18.3	0	31.6	582	16
Rob-See-Co	Innotech IC4903^	3111A	CM,C2	99	192.5	18.5	0	31.6	580	20
Golden Harvest	G01P52-3011A	3011A	AVC,C5	101	191.1	19.5	0	33.5	571	24
Renk	RK605SSTX	STX	AC,P2	100	190.9	18.5	0	32.6	575	23
Renk	RK591DC5222A	5222,A	CM,C2	99	190.7	17.8	0	33.0	578	21
Wensman	W 7320VT3PRIB	VT3P,B	AC,P5V	101	190.3	20.3	0	33.0	565	26
Rob-See-Co	Innotech IC5112^	3011A	CM,C2	101	186.3	19.4	0	29.8	557	31
Gold Country	99-52RSS	STX,B	AC,P5V	99	185.7	17.9	0	33.5	562	27
Channel	199-29STXRIB	STX,B	AC,P5V	99	185.6	17.8	0	32.1	562	28
Viking	VS100-511	STX,B	AC,P2	100	185.3	18.4	0	32.6	559	30
Dyna-Gro	D42SS42	STX	AC,P5V	102	183.6	17.1	0	30.7	560	29
Dekalb	DKC48-12RIB CK	STX,B	AC,P5V	98	197.4	17.5	0	33.9	600	9

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Test Average = **189.2** **18.8** **0** **32.3** **568**  
 LSD (0.10) = 16.6 1.1 ns  
 LSD (0.25) = 11.6 0.7 ns  
 C.V. = 6.5 4.1

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

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**Full-Season Test Products (48 Total)**

Company/Brand	Product/Brand	Technol.	Seed Trt	RM	Company/Brand	Product/Brand	Technol.	Seed Trt	RM
Anderson	537R	RR2	M,D,At	101	Wensman	W 7320VT3PRIB	VT3P,B	AC,P5V	101
Anderson	588VT3P	VT3P	CE,C2	101	Wensman	W 91011STXRIB	STX,B	AC,P5V	101
Channel	199-29STXRIB	STX,B	AC,P5V	99	Wensman	W 9325STXRIB	STX,B	AC,P5V	102
Channel	201-39STXRIB	STX,B	AC,P5V	101					
Channel	202-64STXRIB	STX,B	AC,P5V	102					
Croplan	4099SS/RIB GC	STX,B	AC,P5V	99					
Dahlman	R50-306SSRIB	STX,B	AC,P2	101					
Dahlman	R51-313SSRIB	STX,B	AC,P2	102					
Dairyland	DS9900SSX	STX	CM,C2	99					
Dekalb	DKC48-12RIB CK	STX,B	AC,P5V	98					
Dekalb	DKC49-29RIB GC	STX,B	AC,P5V	99					
Dekalb	DKC53-56RIB GC	STX,B	AC,P5V	103					
Dekalb	DKC54-38RIB GC	STX,B	AC,P5V	104					
Dyna-Gro	D41SS71	STX	AC,P5V	101					
Dyna-Gro	D42SS42	STX	AC,P5V	102					
Gold Country	102-88RSS	STX,B	AC,P5V	102					
Gold Country	99-52RSS	STX,B	AC,P5V	99					
Golden Harvest	G01P52-3011A	3011A	AVC,C5	101					
Latham	LH4955VT2PRORIB	VT2P,B	AC,P5V	99					
Latham	LH5145VT2PRODGRIB	VT2P,DG,B	AC,P5V	101					
Latham	LH5215VT2PRORIB	VT2P,B	AC,P2	102					
Latham	LH5219SSRIB	STX,B	AC,P5V	102					
LG Seeds	LG2501VT3PRIB	VT3P,B	AC,P5V	100					
LG Seeds	LG5499STXRIB	STX,B	AC,P5V	100					
LG Seeds	LG5502STX	STX	AC,P5V	102					
Nuseed	3014VT2P	VT2P	AC,P2	101					
Nuseed	9904VT2P	VT2P	AC,P2	99					
NuTech/G2 Gen	5F-200^	AM,AQ,B	MQ,P5V	100					
NuTech/G2 Gen	5F-399^	AM,B	MQ,P5V	99					
NuTech/G2 Gen	5H-502^	HX,RR2	MQ,P5V	102					
NuTech/G2 Gen	5Z-002^	OI	MQ,P1V,R	102					
Prairie Brand	4995SX	STX	CM,C2	99					
Prairie Brand	5065GT3	3000GT	CM,C2	100					
Renk	RK581SSTX	STX,B	AC,P2	100					
Renk	RK591DC5222A	5222,A	CM,C2	99					
Renk	RK605SSTX	STX	AC,P2	100					
Renk	RK629VT3P	VT3P,B	AC,P2	101					
Rob-See-Co	Innotech IC4903^	3111A	CM,C2	99					
Rob-See-Co	Innotech IC5112^	3011A	CM,C2	101					
Titan Pro	1M02-SS	STX,B	AC,P5V	102					
Titan Pro	TP 31-01 3011A	3011A	AVC,C2	101					
Titan Pro	TP 39-00 SS	STX,B	AC,P5V	100					
Titan Pro	TP 39-02 SS	STX,B	AC,P5V	102					
Viking	T51-01R	GT,B	CM,C2	101					
Viking	VS100-511	STX,B	AC,P2	100					

## 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.