

2014 Corn Grain Top 30 Harvest Report
 Minnesota West Central [MNWC] GRANITE FALLS
 Keith Beito, Chippewa County, MN 56241



Test by: IMQ, LLC, New Richland, MN

PREV. CROP/HERB: Soybean / Roundup twice, Decare for aphids
 SOIL DESCRIPTION: Nicollet-Clarion-Webster clay loam, mod. well drained, conventional w/ fall till, non-irrigated
 SOIL CONDITION: High P, high K, 7.6 pH, 5.1% OM
 PEST MANAGEMENT: Force, Harness, Laudis, Roundup
 FERTILITY - Applied N: 180 Fall
 Applied N-P-K (units): 180-100-60
 SEEDED - RATE - ROW: May 15 35,300 /A 30" spacing
 HARVESTED - STAND: Oct 25 32,900 /A

Early-Season Test
93 - 98 Day CRM
 B2014MNWC03a

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
Gold Country	98-38RSS	STX,B	AC,P5V	98	206.6	15.9	0	34.4	636	1
Latham	LH4859SSRIB	STX,B	AC,P5V	98	204.9	17.2	0	32.1	624	2
Dekalb	DKC44-13RIB GC	STX,B	AC,P5V	94	200.5	16.3	0	33.0	615	3
Renk	RK596SSTX	STX	AC,P2	98	200.1	17.2	0	32.1	609	4
Gold Country	94-19RSS	STX,B	AC,P5V	94	198.9	17.4	0	30.3	605	9
Titan Pro	2M95-2P	VT2P,B	AC,P2	95	198.4	16.8	0	33.0	606	6
Channel	197-68STXRIB	STX,B	AC,P5V	97	198.0	20.9	0	33.5	585	16
Wensman	W 90941STX	STX	AC,P5V	94	197.6	16.3	0	31.2	606	7
NuTech/G2 Gen	5X-698^	HXT,RR2,AC	MQ,P5V	98	197.6	17.7	0	32.6	599	10
Latham	LH4645VT2PRORIB	VT2P,B	AC,P5V	96	195.5	14.0	0	32.1	606	8
Prairie Brand	4594GT3	3000GT	CM,C2	96	194.7	19.2	0	33.0	583	17
Prairie Brand	4895GT3	3000GT	CM,C2	98	194.3	16.9	0	32.6	593	13
Wensman	W 90979STX	STX	AC,P5V	97	194.1	16.3	0	34.4	595	11
Nuseed	9304VT2P	VT2P	AC,P2	93	193.3	15.8	0	34.0	595	12
Renk	RK568VT3P	VT3P,B	AC,P2	95	192.7	17.2	0	32.1	587	15
Enestvedt	E653SSRIB	STX,B	AC,P5V	96	191.3	17.3	1	32.6	582	19
Titan Pro	1M96-3P	VT3P	AC,P2	96	190.8	15.7	0	33.5	588	14
Thunder	9595VT3PRIB	VT3P,B	AC,P2	95	189.5	16.8	0	31.6	579	21
Thunder	7993VT2PRIB	VT2P,B	AC,P2	93	189.4	15.8	0	33.0	583	18
Channel	196-77STXRIB	STX,B	AC,P5V	96	188.9	17.8	3	33.0	572	29
Viking	VS94-571	VT2P,B	AC,P2	94	188.7	16.1	0	32.1	580	20
Latham	LH4455VT3PRORIB	VT3P,B	AC,P2	94	188.3	17.3	0	31.7	573	26
Dyna-Gro	D39VP14	VT3P	AC,P5V	99	188.2	17.3	0	32.6	573	27
NuTech	5V-195	3111	CM,C2	95	187.7	16.6	0	33.9	574	22
Wensman	W 9288STXRIB	STX,B	AC,P5V	98	187.7	17.4	0	34.4	571	30
LG Seeds	LG5415STX	STX	AC,P5V	93	187.6	16.6	0	33.9	574	23
Prairie Brand	4284RA	STX,B	CM,C2	93	187.3	16.6	0	34.9	573	28
Golden Harvest	G93H90-3000GT	3000GT	AVC,C5	93	185.3	14.6	1	33.0	574	24
Channel	195-58STXRIB	STX,B	AC,P5V	95	185.0	14.8	0	32.5	574	25
NuTech/G2 Gen	5Y-196^	OIX	MQ,P1V,R	96	184.9	15.4	0	33.9	571	31
Dekalb	DKC48-12RIB CK	STX,B	AC,P5V	98	199.7	17.0	0	31.2	609	5

Mark Querna

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Test Average = **186.2** **16.7** **0** **32.9** **569**

LSD (0.10) = 14.7 1.5 ns

LSD (0.25) = 10.3 1.0 ns

C.V. = 5.8 6.6

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: *Planting conditions were quite good. Excessive rain through June led to more field variability, even in uniform soil types. Keith reported 23.5" rainfall during the growing season, including 10.1" in June. A slight rise in elevation led to yield boosts of up to 25 bushels. The Full-Season test was located on a slightly higher elevation than the Early-Season test, accounting for some of the yield boost shown 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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 SOIL CONDITION: High P, high K, 7.6 pH, 5.1% OM
 PEST MANAGEMENT: Force, Harness, Laudis, Roundup
 FERTILITY - Applied N: 180 Fall
 Applied N-P-K (units): 180-100-60
 SEEDED - RATE - ROW: May 15 35,300 /A 30" spacing
 HARVESTED - STAND: Oct 25 33,100 /A

Full-Season Test
99 - 102 Day CRM
 B2014MNWC03b

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	223.0	18.0	0	35.8	675	1
LG Seeds	LG5499STXRIB	STX,B	AC,P5V	100	219.6	18.9	0	33.0	659	2
Latham	LH5215VT2PRORIB	VT2P,B	AC,P2	102	216.8	20.4	0	33.9	643	4
Rob-See-Co	Innotech IC4903^	3111A	CM,C2	99	215.7	17.1	0	31.2	657	3
Channel	201-39STXRIB	STX,B	AC,P5V	101	208.8	18.2	0	34.8	631	7
Titan Pro	TP 31-01 3011A	3011A	AVC,C2	101	208.8	18.7	0	33.9	628	8
Dyna-Gro	D41SS71	STX	AC,P5V	101	207.4	19.4	0	33.0	620	12
Renk	RK605SSTX	STX	AC,P2	100	207.3	16.7	0	33.9	634	5
Titan Pro	TP 39-00 SS	STX,B	AC,P5V	100	206.9	16.4	0	34.4	634	6
Latham	LH5219SSRIB	STX,B	AC,P5V	102	206.4	20.7	0	33.5	610	21
Croplan	4099SS/RIB GC	STX,B	AC,P5V	99	205.6	18.0	0	30.3	622	9
Renk	RK591DC5222A	5222,A	CM,C2	99	203.6	16.9	0	34.4	621	10
Wensman	W 91011STXRIB	STX,B	AC,P5V	101	203.3	19.3	0	33.5	608	24
Gold Country	99-52RSS	STX,B	AC,P5V	99	203.2	17.8	0	34.8	616	15
Wensman	W 7320VT3PRIB	VT3P,B	AC,P5V	101	203.1	18.0	0	30.7	614	17
NuTech/G2 Gen	5H-502^	HX,RR2	MQ,P5V	102	202.7	17.0	0	34.4	618	14
Nuseed	3014VT2P	VT2P	AC,P2	101	202.5	17.8	0	34.4	614	18
Viking	VS100-511	STX,B	AC,P2	100	202.4	17.4	0	32.6	615	16
Dekalb	DKC49-29RIB GC	STX,B	AC,P5V	99	202.2	16.1	0	32.6	621	11
Dekalb	DKC54-38RIB GC	STX,B	AC,P5V	104	202.0	19.2	0	33.9	605	28
Wensman	W 9325STXRIB	STX,B	AC,P5V	102	200.9	19.2	0	32.6	602	31
Anderson	588VT3P	VT3P	CE,C2	101	200.7	17.3	0	32.1	611	20
NuTech/G2 Gen	5Z-002^	OI	MQ,P1V,R	102	200.5	17.5	0	32.6	609	22
Dahlman	R50-306SSRIB	STX,B	AC,P2	101	200.2	16.7	0	33.5	612	19
Dahlman	R51-313SSRIB	STX,B	AC,P2	102	200.0	17.7	0	29.3	607	26
Nuseed	9904VT2P	VT2P	AC,P2	99	199.5	17.4	0	33.0	606	27
Golden Harvest	G01P52-3011A	3011A	AVC,C5	101	199.3	17.9	0	31.6	603	30
Titan Pro	TP 39-02 SS	STX,B	AC,P5V	102	199.0	16.5	0	33.5	609	23
Viking	T51-01R	GT,B	CM,C2	101	198.7	17.4	0	33.5	604	29
Channel	199-29STXRIB	STX,B	AC,P5V	99	198.1	16.3	0	34.4	608	25
Dekalb	DKC48-12RIB CK	STX,B	AC,P5V	98	202.3	16.5	0	34.8	620	13

Mark Querna
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Test Average = **198.9** 17.7 0 **33.1** **603**
 LSD (0.10) = 15.0 0.9 ns
 LSD (0.25) = 10.5 0.7 ns
 C.V. = 5.6 3.9

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: *Planting conditions were quite good. Excessive rain through June led to more field variability, even in uniform soil types. Keith reported 23.5" rainfall during the growing season, including 10.1" in June. A slight rise in elevation led to yield boosts of up to 25 bushels. The Full-Season test was located on a slightly higher elevation than the Early-Season test, accounting for some of the yield boost shown here.*

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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	615R	RR2	M,D,At	98	Renk	RK596SSTX	STX	AC,P2	98
Anderson	615VT3P	VT3P	CE,C2	98	Rob-See-Co	Innotech IC4654 ^A	3111	CM,C2	96
Anderson	689R	RR2	M,D,At	95	Terning Seeds	TS8297SSRIB	STX,B	CM,C2	97
Anderson	689VT3P	VT3P	CE,C2	95	Thunder	101-95SSRIB	STX,B	AC,P2	95
Channel	195-58STXRIB	STX,B	AC,P5V	95	Thunder	7396VT2PRIB	VT2P,B	AC,P2	96
Channel	196-77STXRIB	STX,B	AC,P5V	96	Thunder	7993VT2PRIB	VT2P,B	AC,P2	93
Channel	197-68STXRIB	STX,B	AC,P5V	97	Thunder	9595VT3PRIB	VT3P,B	AC,P2	95
Dahlman	R47-35VT3PRIB	VT3P,B	AC,P2	94	Titan Pro	1M96-3P	VT3P	AC,P2	96
Dahlman	R49-312SSRIB	STX,B	AC,P5V	98	Titan Pro	2M95-2P	VT2P,B	AC,P2	95
Dairyland	DS9093	3122	CM,C2	93	Titan Pro	TP 39-98 SS	STX,B	AC,P5V	98
Dairyland	DS9694RA	STX,B	CM,C2	94	Viking	C44-95R	VT3P,B	AC,P2	95
Dekalb	DKC44-13RIB GC	STX,B	AC,P5V	94	Viking	D37-98RL	STX,B	AC,P5V	98
Dekalb	DKC48-12RIB CK	STX,B	AC,P5V	98	Viking	VS92-110	VT2P,B	AC,P2	92
Dyna-Gro	D37SS60	STX	AC,P5V	97	Viking	VS94-571	VT2P,B	AC,P2	94
Dyna-Gro	D39VP14	VT3P	AC,P5V	99	Wensman	W 90941STX	STX	AC,P5V	94
Enestvedt	E652VT3P	VT3P	CM,C2	95	Wensman	W 90967STXRIB	STX,B	AC,P5V	96
Enestvedt	E653SSRIB	STX,B	AC,P5V	96	Wensman	W 90979STX	STX	AC,P5V	97
Gold Country	94-19RSS	STX,B	AC,P5V	94	Wensman	W 9288STXRIB	STX,B	AC,P5V	98
Gold Country	95-33R3P	VT3P,B	AC,P5V	95					
Gold Country	97-65RSS	STX,B	AC,P5V	97					
Gold Country	98-38RSS	STX,B	AC,P5V	98					
Golden Harvest	G93H90-3000GT	3000GT	AVC,C5	93					
Latham	LH4455VT3PRORIB	VT3P,B	AC,P2	94					
Latham	LH4645VT2PRORIB	VT2P,B	AC,P5V	96					
Latham	LH4679SSRIB	STX,B	AC,P5V	96					
Latham	LH4859SSRIB	STX,B	AC,P5V	98					
LG Seeds	LG5415STX	STX	AC,P5V	93					
LG Seeds	LG5425STXRIB	STX,B	AC,P5V	95					
LG Seeds	LG5470STXRIB	STX,B	AC,P5V	98					
Nuseed	9304VT2P	VT2P	AC,P2	93					
Nuseed	9504VT3PRIB	VT3P,B	AC,P2	95					
NuTech	5V-195	3111	CM,C2	95					
NuTech/G2 Gen	5F-198 ^A	AM,B	MQ,P5V	98					
NuTech/G2 Gen	5X-698 ^A	HXT,RR2,AC	MQ,P5V	98					
NuTech/G2 Gen	5X-894 ^A	HXT,RR2	MQ,P5V	94					
NuTech/G2 Gen	5Y-196 ^A	OIX	MQ,P1V,R	96					
Pfister	1695RA	STX,B	CM,C2	95					
Pioneer	P9834AMX GC	AMX,B	MQ,C2	98					
Prairie Brand	4284RA	STX,B	CM,C2	93					
Prairie Brand	4594GT3	3000GT	CM,C2	96					
Prairie Brand	4895GT3	3000GT	CM,C2	98					
Prairie Brand	971RA	STX,B	CM,C2	98					
Renk	RK522SSTX	STX,B	AC,P2	94					
Renk	RK557SSTX	STX,B	AC,P2	95					
Renk	RK568VT3P	VT3P,B	AC,P2	95					

2014 Corn Grain - Minnesota West Central [MNWC]



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	LH5145VT2PRDGRIB	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.