

2013 Corn Grain Top 30 Harvest Report
 Minnesota West Central [MNWC] GRANITE FALLS
 Keith Beito, Chippewa County, MN 56241



PREV. CROP/HERB: Soybean / Roundup WeatherMax
 SOIL DESCRIPTION: Nicollet-Clarion-Webster clay loam, mod. well drained, minimum w/ fall till, non-irrigated
 SOIL CONDITION: High P, high K, 7.3 pH, 5.5% OM
 PEST MANAGEMENT: Force, Harness, Roundup PowerMax, Laudis
 FERTILITY - Applied N: 157 Fall
 Applied N-P-K (units): 157-70-60
 SEEDING - RATE - ROW: May 12 35,499 /A 30" spacing
 HARVESTED - STAND: Oct 11 33,800 /A

Early-Season Test
93 - 98 Day CRM
 B2013MNWC05a

Top 30 of 72
 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	RK522SSTX	STX	AC,P2	94	236.0	23.4	0	33.5	1,012	5
LG Seeds	LG5444VT3PRIB	VT3P,B	AC,P5V	96	235.1	19.6	0	35.3	1,031	1
Dyna-Gro	D34VC52	VT2P	AC,P5V	94	233.6	20.5	0	34.4	1,019	4
Gold Country	93-07RSS	STX,B	AC,P5V	93	233.2	19.6	0	33.9	1,023	2
NuTech/G2 Gen	3F-198AM	AM-R,B	MQ,C2	98	229.5	19.3	0	35.3	1,008	6
Anderson	615VT3P	VT3P	CE,C2	98	225.3	19.5	0	34.8	989	8
NuTech	5N-9802	3000GT	MQ,C2	98	225.0	22.7	0	33.4	969	11
Anderson	615R	RR2	M	98	223.1	16.9	0	33.0	993	7
LG Seeds	LG5470STXRIB	STX,B	AC,P5V	98	221.7	23.1	0	34.4	953	16
Pioneer	P9526AMX GC	AMX,B	CM,C2	95	221.5	23.0	0	35.3	952	17
Dekalb	DKC43-48RIB GC	VT3P,B	AC,P2	93	221.4	17.4	0	32.0	983	9
Producers	5898STXRIB	STX,B	AC,P5V	98	221.1	23.2	0	32.1	950	21
Wensman	W 9288STXRIB	STX,B	AC,P2	98	221.0	24.1	0	33.9	944	26
Prairie Brand	971RA	STX,B	CM,C2	96	220.6	24.1	0	34.4	943	29
Dahlman	R49-312SSRIB	STX,B	AC,P2	98	220.4	23.7	0	35.7	944	27
Producers	5634VT3Pro	VT3P	AC,P5V	96	219.8	21.1	0	33.5	956	13
Latham	LH4645VT2PRORIB	VT2P,B	AC,P5V	96	219.1	17.9	0	33.9	970	10
Wensman	W 70975VT3PRO	VT3P	AC,P2	97	219.1	20.9	0	33.5	954	14
Titan Pro	2M95-2P	VT2P,B	AC,P2,Z	95	218.8	21.4	0	35.3	950	22
Dahlman	R47-35VT3PRIB	VT3P,B	AC,P2	94	218.7	20.9	0	34.4	952	18
Channel	196-77STXRIB	STX,B	AC,P5V	96	218.4	21.6	0	33.0	947	25
Dekalb	DKC46-20RIB GC	VT3P,B	AC,P2	96	218.2	20.5	0	35.3	952	19
Gold Country	99-33RSS	STX,B	AC,P5V	99	218.0	20.8	0	32.1	949	23
Latham	LH4455VT3PRORIB	VT3P,B	AC,P5V	94	216.9	21.1	0	33.9	943	30
Pioneer	P9675AMX GC	AMX,B	MQ,C2	96	216.8	18.2	0	31.6	958	12
LG Seeds	LG5425STX	STX	AC,P5V	95	216.0	18.9	0	32.1	951	20
Titan Pro	1M96-3P	VT3P,B	AC,P2,Z	96	214.6	18.2	0	34.4	949	24
Wensman	W 90935VT3PRO	VT3P	AC,P2	93	214.4	17.0	0	34.4	954	15
Prairie Brand	4284SX	STX	P5V	93	214.0	18.8	0	33.9	943	31
Gold Country	96-60RSS	STX,B	AC,P5V	96	213.5	18.1	0	35.3	944	28
Dekalb	DKC48-12RIB CK	STX,B	AC,P2	98	235.4	21.4	0	32.6	1,022	3

Mark Querna

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Test Average = **212.5** **20.2** **0** **33.8** **928**
 LSD (0.10) = 18.8 1.9 ns
 C.V. = 6.5 7.0

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

Test Comments: *This site got off to an excellent start, but 2/3 of the plots spent 2 days under water in early June due to a 5" rain event. Plants showed amazing resiliency, bouncing back with tremendous yields. Keith noted that a lot of corn was pushed over by high winds from Renville to Marshall, but this site stood well. Higher yielding products had ears that looked like footballs as they came through the combine.*

† 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: 10/16/2013 Revised:

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 Minnesota West Central [MNWC] GRANITE FALLS
 Keith Beito, Chippewa County, MN 56241



Test by: IMQ, LLC, New Richland, MN

PREV. CROP/HERB: Soybean / Roundup WeatherMax
 SOIL DESCRIPTION: Nicollet-Clarion-Webster clay loam, mod. well drained, minimum w/ fall till, non-irrigated
 SOIL CONDITION: High P, high K, 7.3 pH, 5.5% OM
 PEST MANAGEMENT: Force, Harness, Roundup PowerMax, Laudis
 FERTILITY - Applied N: 157 Fall
 Applied N-P-K (units): 157-70-60
 SEEDED - RATE - ROW: May 12 35,499 /A 30" spacing
 HARVESTED - STAND: Oct 11 35,000 /A

Full-Season Test
99 - 102 Day CRM
 B2013MNWC05b

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	LH5215VT2PRO	VT2P	AC,P2	101	233.7	29.4	0	35.8	968	1
Producers	6108STXRIB	STX,B	AC,P5V	101	225.1	27.7	0	35.3	941	3
Jung	7S506RIB	STX,B	AC,P5V	100	221.1	23.3	0	33.4	949	2
Wensman	W 9325STXRIB	STX,B	AC,P2	102	221.1	27.7	0	33.9	925	5
Gold Country	101-56RSS	STX,B	AC,P5V	101	219.0	26.8	0	34.8	921	7
Titan Pro	TP 39-00 SS	STX	AC,P5V	100	218.2	25.9	0	33.4	922	6
Gold Country	102-88RSS	STX,B	AC,P5V	102	217.7	30.4	0	35.3	896	15
Dahlman	R50-306SSRIB	STX,B	AC,P5	101	215.7	23.0	0	33.4	928	4
Dahlman	R50-33VT3PRIB	VT3P,B	AC,P2	100	213.7	23.9	0	36.3	914	8
Renk	RK633SSTX	STX	AC,P2	101	213.7	27.0	0	36.3	898	14
Renk	RK598SSTX	STX,B	AC,P5V	100	212.8	25.4	0	35.3	902	10
Anderson	588VT3P	VT3P	CE,C2	101	212.6	25.1	0	32.4	903	9
Wensman	W 7320VT3PRIB	VT3P,B	AC,P2	101	212.6	25.7	0	34.8	900	11
Gold Country	98-38RSS	STX,B	AC,P5V	98	212.1	25.2	0	35.3	900	12
NuTech/G2 Gen	5Z-200	OI	MQ,P1V,R	100	212.0	25.1	0	33.9	900	13
Titan Pro	TP 39-02 SS	STX	AC,P5V,Z	102	212.0	27.3	0	35.3	889	17
Wensman	W 91011STX	STX	AC,P2	101	211.5	27.8	0	33.9	884	18
Viking	C94-01R	VT3P,B	AC,P2	101	208.7	24.5	0	32.9	890	16
LG Seeds	LG5499STXRIB	STX,B	AC,P5V	100	208.6	28.3	0	33.4	869	23
Pioneer	P0062AMX GC	AMX,B	CM,C2	100	206.3	24.5	0	35.3	879	19
NuTech/G2 Gen	5H-202	HX,RR2	MQ,C2	102	205.0	24.6	0	36.8	873	21
Jung	7S522RIB	STX,B	AC,P5V	101	203.6	29.7	0	31.9	841	30
Gold Country	100-95R3P	VT3P,B	AC,P5V	100	203.2	23.3	0	33.4	872	22
Dekalb	DKC52-04RIB GC	VT3P,B	AC,P2	102	203.2	24.8	0	34.8	865	25
LG Seeds	LG2501VT3PRIB	VT3P,B	AC,P5V	100	202.6	22.2	0	35.8	875	20
Wensman	W 7290VT3PRIB	VT3P,B	AC,P2	99	202.6	23.9	0	34.4	867	24
Renk	RK666SSTX	STX	AC,P2	102	202.2	25.9	0	35.8	855	27
Enestvedt	E671VT3P	VT3P	CM,C2	100	200.9	23.5	0	34.4	861	26
Producers	5904VT3PRIB	VT3P,B	AC,P5V	99	198.8	22.9	0	35.3	855	28
Titan Pro	2M01-3P	VT3P,B	AC,P1V	101	198.1	24.1	0	35.8	846	29
Dekalb	DKC48-12RIB CK	STX,B	AC,P2	98	195.8	24.0	0	34.8	837	31

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Test Average = **202.4** **26.0** **0** **35.0** **855**
 LSD (0.10) = 17.1 2.3 ns
 C.V. = 6.2 6.5

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

Test Comments: *This site got off to an excellent start, but 2/3 of the plots spent 2 days under water in early June due to a 5" rain event. Plants showed amazing resiliency, bouncing back with tremendous yields. Keith noted that a lot of corn was pushed over by high winds from Renville to Marshall, but this site stood well. Higher yielding products had ears that looked like footballs as they came through the combine.*

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Early-Season Test Products (72 Total)

Company/Brand	Product/Brand	Technol.	Seed Trt	RM	Company/Brand	Product/Brand	Technol.	Seed Trt	RM
Anderson	615R	RR2	M	98	Pioneer	P9526AMX GC	AMX,B	CM,C2	95
Anderson	615VT3P	VT3P	CE,C2	98	Pioneer	P9675AMX GC	AMX,B	MQ,C2	96
Anderson	689R	RR2	M	95	Pioneer	P9834HR GC	HX,RR2	MQ,C2	98
Anderson	689VT3P	VT3P	CE,C2	95	Prairie Brand	4284SX	STX	P5V	93
Channel	194-63STXRIB	STX,B	AC,P5V	94	Prairie Brand	4364AS3122	3122	CM,C2	93
Channel	195-58STXRIB	STX,B	AC,P5V	95	Prairie Brand	971RA	STX,B	CM,C2	96
Channel	196-77STXRIB	STX,B	AC,P5V	96	Prairie Brand	981VT3	VT3	CM,C2	98
Channel	197-68STXRIB	STX,B	AC,P5V	97	Producers	5634VT3Pro	VT3P	AC,P5V	96
Dahlman	R47-35VT3PRIB	VT3P,B	AC,P2	94	Producers	5898STXRIB	STX,B	AC,P5V	98
Dahlman	R48-32VT3PRIB	VT3P,B	AC,P2	96	Renk	RK522SSTX	STX	AC,P2	94
Dahlman	R49-312SSRIB	STX,B	AC,P2	98	Renk	RK557SSTX	STX	AC,P2	95
Dairyland	DS9093	3122	CM,C2	93	Renk	RK568VT3P	VT3P	AC,P2	95
Dairyland	DS9796	3000GT	CM,C2	96	Renk	RK585VT3P	VT3P	AC,P2	95
Dairyland	DS9898RA	STX,B	CM,C2	98	Stine	R9311VT3Pro	VT3P,B	AC,P2	93
Dekalb	DKC43-48RIB GC	VT3P,B	AC,P2	93	Stine	R9422VT3Pro	VT3P,B	AC,P2	96
Dekalb	DKC46-20RIB GC	VT3P,B	AC,P2	96	Titan Pro	1M96-3P	VT3P,B	AC,P2,Z	96
Dekalb	DKC48-12RIB CK	STX,B	AC,P2	98	Titan Pro	2M95-2P	VT2P,B	AC,P2,Z	95
Dyna-Gro	D34VC52	VT2P	AC,P5V	94	Titan Pro	93A94	3000GT	CM,C2,Z	94
Dyna-Gro	D37SS71	STX	AC,P5V	97	Titan Pro	TP 39-98 SS	STX	AC,P5V,Z	98
Dyna-Gro	D38SS50	STX	P5	98	Viking	C44-95R	VT3P,B	AC,P2	95
Enestvedt	E652VT3P	VT3P	CM,C2	95	Viking	VS94-571	VT2P,B	AC,P2	94
Enestvedt	E659AVT3P	VT3P	CM,C2	95	Viking	VS98-123	STX,B	AC,P2	98
Gold Country	93-07RSS	STX,B	AC,P5V	93	Viking	Y91-98RL	3111	CM,C2	98
Gold Country	95-33R2P	VT2P,B	AC,P5V	95	Wensman	W 70975VT3PRO	VT3P	AC,P2	97
Gold Country	96-60RSS	STX,B	AC,P5V	96	Wensman	W 90935VT3PRO	VT3P	AC,P2	93
Gold Country	99-33RSS	STX,B	AC,P5V	99	Wensman	W 90967STX	STX	AC,P2	96
Hyland	4398	3000GT	CM,C2	96	Wensman	W 9288STXRIB	STX,B	AC,P2	98
Hyland	8450RA	STX,B	CM,C2	97					
Jung	7S417RIB	STX,B	AC,P5V	96					
Latham	LH4455VT3PRORIB	VT3P,B	AC,P5V	94					
Latham	LH4568VT3PRORIB	VT3P,B	AC,P2	95					
Latham	LH4645VT2PRORIB	VT2P,B	AC,P5V	96					
Latham	LH4679SSRIB	STX,B	AC,P5V	96					
LG Seeds	LG5425STX	STX	AC,P5V	95					
LG Seeds	LG5444VT3PRIB	VT3P,B	AC,P5V	96					
LG Seeds	LG5470STXRIB	STX,B	AC,P5V	98					
Mustang	4845GENSS	STX	AC,P2	96					
Mustang	4897GENSS	STX	AC,P2	97					
Mustang	5808GENSS	STX,B	AC,P2	98					
NuTech	5N-9404	3000GT	MQ,C2	94					
NuTech	5N-9802	3000GT	MQ,C2	98					
NuTech/G2 Gen	3F-198AM	AM-R,B	MQ,C2	98					
NuTech/G2 Gen	5X-698	HXT,RR2	MQ,P1V,R	98					
NuTech/G2 Gen	5X-894	HXT,RR2	MQ,P1V,R	94					
NuTech/G2 Gen	5Z-9605	OI	MQ,P1V,R	96					

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	101	Wensman	W 7320VT3PRIB	VT3P,B	AC,P2	101
Anderson	588VT3P	VT3P	CE,C2	101	Wensman	W 91011STX	STX	AC,P2	101
Dahlman	R50-306SSRIB	STX,B	AC,P5	101	Wensman	W 9325STXRIB	STX,B	AC,P2	102
Dahlman	R50-33VT3PRIB	VT3P,B	AC,P2	100					
Dairyland	DS9501SSX	STX	AVC,C2	100					
Dekalb	DKC48-12RIB CK	STX,B	AC,P2	98					
Dekalb	DKC52-04RIB GC	VT3P,B	AC,P2	102					
Dyna-Gro	D39SS17	STX	AC,P5V	99					
Dyna-Gro	D39VP14RIB	VT3P,B	AC,P5V	99					
Enestvedt	E671VT3P	VT3P	CM,C2	100					
Enestvedt	E672GenSSRIB	STX,B	AC,P2	99					
Gold Country	100-95R3P	VT3P,B	AC,P5V	100					
Gold Country	101-56RSS	STX,B	AC,P5V	101					
Gold Country	102-88RSS	STX,B	AC,P5V	102					
Gold Country	98-38RSS	STX,B	AC,P5V	98					
Jung	7S506RIB	STX,B	AC,P5V	100					
Jung	7S522RIB	STX,B	AC,P5V	101					
Latham	LH4926VT3PRORIB	VT3P,B	AC,P5V	99					
Latham	LH5185VT2PRORIB	VT2P,B	AC,P5V	101					
Latham	LH5215VT2PRO	VT2P	AC,P2	101					
Latham	LH5219SSRIB	STX,B	AC,P5V	102					
LG Seeds	LG2501VT3PRIB	VT3P,B	AC,P5V	100					
LG Seeds	LG5499STXRIB	STX,B	AC,P5V	100					
Mustang	5850GENSS	STX	AC,P2	100					
Mustang	6801GENSS	STX,B	AC,P2	101					
NuTech/G2 Gen	5H-202	HX,RR2	MQ,C2	102					
NuTech/G2 Gen	5H-399	HX,RR2	MQ,C2	99					
NuTech/G2 Gen	5Z-0105	OI	MQ,P1V,R	101					
NuTech/G2 Gen	5Z-200	OI	MQ,P1V,R	100					
Pioneer	P0062AMX GC	AMX,B	CM,C2	100					
Producers	5904VT3PRIB	VT3P,B	AC,P5V	99					
Producers	6108STXRIB	STX,B	AC,P5V	101					
Renk	RK581SSTX	STX	AC,P2	100					
Renk	RK598SSTX	STX,B	AC,P5V	100					
Renk	RK633SSTX	STX	AC,P2	101					
Renk	RK666SSTX	STX	AC,P2	102					
Stine	9425SS	STX	AC,P2	102					
Titan Pro	2M01-3P	VT3P,B	AC,P1V	101					
Titan Pro	TP 35-01 2P	VT2P	AC,P2,Z	101					
Titan Pro	TP 39-00 SS	STX	AC,P5V	100					
Titan Pro	TP 39-02 SS	STX	AC,P5V,Z	102					
Viking	C94-01R	VT3P,B	AC,P2	101					
Viking	E62-00R	VT2P,B	AC,P2	100					
Viking	VS100-511	STX,B	AC,P2	100					
Wensman	W 7290VT3PRIB	VT3P,B	AC,P2	99					

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.