

## 2015 Corn Grain Top 30 Harvest Report

Minnesota West Central [ MNWC ] WILLMAR  
Ed Arnsdorfer, Kandiyohi County, MN 56201



Test by: IMQ, LLC, New Richland, MN

PREV. CROP/HERB: Soybean / Warrant, Roundup  
SOIL DESCRIPTION: Webster clay loam, mod. well drained, conventional w/ fall till, non-irrigated  
SOIL CONDITION: High P, high K, 6.9 pH, 4.5% OM  
PEST MANAGEMENT: Force, SureStart, Status  
FERTILITY - Applied N: 155 Fall  
Applied N-P-K (units): 155-50-50  
SEDED - RATE - ROW: Apr 30 35,600 /A 30" spacing  
HARVESTED - STAND: Oct 26 33,600 /A

### Early-Season Test

**93 - 98 Day CRM**  
B2015MNWC05a

### Top 30 of 63

For Gross Income (Sorted by Yield)  
Average of (3) Replications

Company/Brand	Product/Brand†	Technol.†	RM	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Golden Harvest	G95D32-3110	3110	95	<b>220.1</b>	15.5	2	33.5	746	1
Titan Pro	2M95-2P	VT2P,B	95	<b>216.7</b>	15.6	0	33.9	734	2
Channel	197-66VT2PRIB	VT2P,B	97	<b>216.5</b>	16.1	3	34.4	730	3
Mustang	4294GENVT2P	VT2P	94	213.9	15.5	3	31.6	725	4
Pfister	1740RA	STX,B	98	213.2	16.5	0	33.5	717	7
Titan Pro	TP 58-95 SS	STX	95	212.6	15.8	3	32.5	719	6
Dekalb	DKC44-13RIB GC	STX,B	94	212.4	16.3	1	31.1	715	8
Federal	4760SSTAX	STX	97	211.8	15.1	1	33.9	720	5
Federal	4240VT2P	VT2P	92	210.2	15.5	0	33.0	712	10
Mustang	3894GENSS	STX	94	209.8	15.1	3	33.5	713	9
Anderson	684R	RR2	95	207.8	16.0	0	33.5	701	12
Viking	D42-94RL	STX	94	207.6	15.6	3	33.9	703	11
Titan Pro	TP 39-98 SS	STX,B	98	207.6	15.9	0	32.1	701	13
Anderson	795R	RR2	95	207.1	15.6	1	33.5	701	14
Viking	C44-95R	VT3P,B	95	206.1	15.3	0	31.6	699	15
Renk	RK596SSTX	STX,B	98	205.8	15.7	1	33.9	696	17
Channel	197-50STXRIB	STX,B	97	205.4	16.1	4	33.5	693	19
Dahlman	R47-35VT3PRIB	VT3P,B	94	205.2	15.1	0	33.5	697	16
Dahlman	R48-301SSRIB	STX,B	95	204.0	14.5	5	33.9	694	18
Mustang	4298GENSS	STX	98	203.7	15.7	0	34.8	689	21
Dyna-Gro	D37SS60	STX	97	203.7	16.0	0	34.4	687	24
Thunder	101-95SSRIB	STX,B	95	203.7	16.1	0	33.5	687	25
NuTech/G2 Gen	5F-196^	AM,B	96	203.5	15.4	0	33.0	690	20
NuTech/G2 Gen	5F-198^	AM,B	98	202.7	15.2	0	33.0	688	22
Viking	51-95N	None	95	202.7	15.7	0	32.1	686	26
Pfister	53A1RA	STX,B	93	202.3	14.8	0	33.5	688	23
Channel	196-77STXRIB	STX,B	96	202.1	16.0	2	34.8	682	27
Latham	LH4859SSRIB	STX,B	98	200.8	15.7	1	34.4	679	29
Dekalb	DKC48-12RIB GC	STX,B	98	200.5	15.3	0	34.8	680	28
Thunder	7396VT2PRIB	VT2P,B	96	199.9	15.1	0	32.1	679	30
Dekalb	DKC49-29RIB CK	STX,B	99	188.3	15.7	1	33.5	637	57

Mark Querna

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Averages = **199.1** **15.6** **4** **33.6** **674**  
LSD (0.10) = 17.3 0.8 9  
LSD (0.25) = 12.0 0.5 7  
C.V. = 6.4 3.7

**Yield & Income Factors:** Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$3.40; non-GMO = \$3.40

**Test Comments:** *Moderate temps and timely rainfall prevailed for most of the season. Some rainfall events were excessive, but the sloping location was not adversely affected. Some evidence of greensnap was present in some hybrids. Stalk lodging also occurred due to steady wind gusts of up to 50 mph in mid-October. Ear retention was good. The later maturing hybrids showed higher yields here this year.*

† 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 exceeded the grain moisture limit for this test. **ns** = column values not significantly different

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Report Date: 10/27/2015 Revised:

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SOIL DESCRIPTION: Webster clay loam, mod. well drained, conventional w/ fall till, non-irrigated  
SOIL CONDITION: High P, high K, 6.9 pH, 4.5% OM  
PEST MANAGEMENT: Force, SureStart, Status  
FERTILITY - Applied N: 155 Fall  
Applied N-P-K (units): 155-50-50  
SEDED - RATE - ROW: Apr 30 35,600 /A 30" spacing  
HARVESTED - STAND: Oct 26 33,900 /A

**Full-Season Test**  
**99 - 102 Day CRM**  
B2015MNWC05b

**Top 30 of 54**

For Gross Income (Sorted by Yield)  
Average of (3) Replications

Company/Brand	Product/Brand†	Technol.†	RM	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Titan Pro	TP 58-01 2P	VT2P	101	<b>225.4</b>	16.4	0	34.8	758	1
Dairyland	DS9203	STX	103	223.4	19.1	0	33.5	737	5
LG Seeds	LG5499STXRIB	STX,B	100	223.1	16.9	1	35.8	748	3
LG Seeds	LG5501VT2P	VT2P	100	222.5	16.0	0	33.9	751	2
Anderson	588VT3P	VT3P	101	221.9	17.2	3	33.9	742	4
Pioneer	P0193AMX GC	AMX,B	101	218.6	17.0	0	33.9	732	6
Prairie Brand	4995RA	STX,B	99	217.0	17.0	0	33.5	727	7
Dekalb	DKC52-84RIB	STX,B	102	213.6	16.5	0	34.4	718	8
Titan Pro	TP 39-00 SS	STX,B	100	213.1	16.2	0	33.5	718	9
LG Seeds	LG5502STXRIB	STX,B	102	213.1	18.7	0	33.5	705	15
Federal	5140VT2PRIB	VT2P,B	101	212.8	16.4	27	33.0	716	10
Dairyland	DS9701	STX	101	212.2	16.1	5	33.9	716	11
Dahlman	R50-306SSRIB	STX,B	101	211.8	16.7	0	32.5	711	12
NuTech/G2 Gen	5K-0208^	OIXT	102	211.8	18.0	0	34.8	704	17
Dekalb	DKC53-56RIB GC	STX,B	103	210.9	17.2	3	34.8	705	16
Golden Harvest	G01P52-3011A	3011A	101	210.7	17.3	0	32.5	704	18
Gold Country	102-88RSS	STX,B	102	210.6	16.1	2	35.3	710	13
Latham	LH4955VT2ProRIB	VT2P,B	99	210.1	16.1	0	33.9	709	14
Pfister	60B1	HXT,RR2	100	208.2	17.0	5	33.0	697	20
Viking	T51-01R	GT,A	101	208.1	17.0	0	33.9	697	21
Viking	89-99N	None,A	99	207.7	16.7	45	32.5	697	22
Dahlman	R52-328SSRIB	STX,B	103	207.1	17.2	0	35.3	693	26
Renk	RK666SSTX	STX,B	102	207.0	16.9	0	35.8	694	25
NuTech/G2 Gen	5Z-0107^	OI	101	207.0	17.0	0	33.9	693	27
Prairie Brand	5026SX	STX	100	206.9	15.6	0	33.0	700	19
Anderson	537R	RR2	101	206.9	16.5	0	33.0	696	23
Viking	60-01N	None	101	206.1	17.3	0	34.8	689	29
Federal	5050VT2PRIB	VT2P,B	100	205.9	16.0	0	33.9	695	24
Renk	RK633SSTX	STX,B	101	205.7	16.4	0	33.5	692	28
Dyna-Gro	D40SS27RIB	STX,B	100	203.8	16.4	0	34.4	686	30
Dekalb	DKC49-29RIB CK	STX,B	99	193.8	16.3	0	34.8	653	44

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Averages = **204.5** **16.9** **6** **33.9** **686**  
LSD (0.10) = 20.5 0.9 14  
LSD (0.25) = 14.3 0.6 10  
C.V. = 7.4 4.0

**Yield & Income Factors:** Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$3.40; non-GMO = \$3.40

**Test Comments:** *Moderate temps and timely rainfall prevailed for most of the season. Some rainfall events were excessive, but the sloping location was not adversely affected. Some evidence of greensnap was present in some hybrids. Stalk lodging also occurred due to steady wind gusts of up to 50 mph in mid-October. Ear retention was good. The later maturing hybrids showed higher yields here this year.*

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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	615VT3P	VT3P	CE,C2	98	Pioneer	P9834AMX	AMX,B	MQ,C2	98
Anderson	684R	RR2	AC,P2	95	Prairie Brand	4776SX	STX	AC,P5V	97
Anderson	689VT3P	VT3P	CE,C2	95	Prairie Brand	4895GT3	3000GT	CM,C5,Vi,In	98
Anderson	795R	RR2	MQ	95	Renk	RK522SSTX	STX,B	AC,P5V	94
Channel	196-77STXRIB	STX,B	AC,P5V	96	Renk	RK544SSTX	STX,B	AC,P5V	95
Channel	197-50STXRIB	STX,B	AC,P5V	97	Renk	RK568VT3P	VT3P,B	AC,P2	95
Channel	197-66VT2PRIB	VT2P,B	AC,P5V	97	Renk	RK596SSTX	STX,B	AC,P5V	98
Dahlman	R47-35VT3PRIB	VT3P,B	AC,P2	94	Thunder	101-95SSRIB	STX,B	AC,C2	95
Dahlman	R48-301SSRIB	STX,B	AC,P5	95	Thunder	4578RR	RR2	AC,C2	78
Dairyland	DS9198	STX	CM,C5,Vi,In	98	Thunder	7396VT2PRIB	VT2P,B	AC,C2	96
Dairyland	DS9593	3000GT	CM,C2	93	Titan Pro	1M96-3P	VT3P,B	AC,P2	96
Dairyland	DS9693	STX	CM,C5,Vi,In	93	Titan Pro	2M95-2P	VT2P,B	AC,P2	95
Dekalb	DKC44-13RIB GC	STX,B	AC,P5V	94	Titan Pro	TP 39-98 SS	STX,B	AC,P5V	98
Dekalb	DKC48-12RIB GC	STX,B	AC,P5V	98	Titan Pro	TP 58-95 SS	STX	AC,P5V	95
Dekalb	DKC49-29RIB CK	STX,B	AC,P5V	99	Viking	51-95N	None	CM,C2	95
Dyna-Gro	D37SS60	STX	AC,P5V	97	Viking	C44-95R	VT3P,B	AC,P2	95
Enestvedt	E653SSRIB	STX,B	AC,P5V	96	Viking	D37-98RL	STX,B	AC,P5V	98
Enestvedt	E654SSRIB	STX,B	AC,P5V	95	Viking	D42-94RL	STX	AC,P5V	94
Federal	4240VT2P	VT2P	AC,P2	92					
Federal	4640VT3PRIB	VT3P,B	AC,P2	96					
Federal	4760SSTAX	STX	AC,P2	97					
Gold Country	94-19RSS	STX,B	AC,P5V	94					
Gold Country	97-17RSS	STX,B	AC,P5V	97					
Golden Harvest	G94B95-3110	3110	AVC,C2,Vi	94					
Golden Harvest	G95D32-3110	3110	AVC,C2,Vi	95					
Golden Harvest	G99Z33-3111A GC	3111A	AVC,C2,Vi	99					
Latham	LH4454VT2ProRIB	VT2P,B	AC,P2	94					
Latham	LH4729SS	STX	AC,P5V	97					
Latham	LH4836-3122EZR	3122,B	CM,C2	98					
Latham	LH4859SSRIB	STX,B	AC,P5V	98					
LG Seeds	LG5415STXRIB	STX,B	AC,P5V	93					
LG Seeds	LG5460STXRIB	STX,B	AC,P5V	97					
LG Seeds	LG5470STXRIB	STX,B	AC,P5V	98					
Mustang	3894GENSS	STX	AC,P5V	94					
Mustang	4294GENVT2P	VT2P	AC,P2	94					
Mustang	4298GENSS	STX	AC,P5V	98					
NuTech/G2 Gen	5F-196^	AM,B	MQ,P5V	96					
NuTech/G2 Gen	5F-198^	AM,B	MQ,P5V	98					
NuTech/G2 Gen	5X-894^	HXT,RR2	MQ,P5V	94					
Pfister	1740RA	STX,B	CM,C5,Vi,In	98					
Pfister	53A1RA	STX,B	CM,C5,Vi,In	93					
Pfister	56A1G3	3000GT	CM,C5,Vi,In	96					
Pfister	57A1	HXT,RR2	AC,P5V	97					
Pioneer	P9526AMXT GC	AMXT,AQ,B	MQ,C2	95					
Pioneer	P9703AMX GC	AMX,AQ,B	MQ,C2	97					

2015 Corn Grain - Minnesota West Central [ MNWC ]



**Full-Season Test Products (54 Total)**

Company/Brand	Product/Brand	Technol.	Seed Trt	RM	Company/Brand	Product/Brand	Technol.	Seed Trt	RM
Anderson	537R	RR2	M,D,At	101	Thunder	4600CONV	None	AC,C2	100
Anderson	588VT3P	VT3P	CE,C2	101	Titan Pro	TP 31-01 3011A	3011A	AVC,C5	101
Dahlman	R49-315SSRIB	STX,B	AC,P5	99	Titan Pro	TP 39-00 SS	STX,B	AC,P5V	100
Dahlman	R50-306SSRIB	STX,B	AC,P5	101	Titan Pro	TP 39-02 SS	STX,B	AC,P5V	102
Dahlman	R52-328SSRIB	STX,B	AC,P5	103	Titan Pro	TP 58-01 2P	VT2P	AC,P2	101
Dairyland	DS9203	STX	CM,C5,Vi,In	103	Viking	57-01N	None	CM,C2	101
Dairyland	DS9599	3000GT	CM,C5,Vi,In	99	Viking	60-01N	None	CM,C2	101
Dairyland	DS9701	STX	CM,C5,Vi,In	101	Viking	89-99N	None,A	CM,C2	99
Dekalb	DKC49-29RIB CK	STX,B	AC,P5V	99	Viking	T51-01R	GT,A	CM,C2	101
Dekalb	DKC52-84RIB	STX,B	AC,P5V	102					
Dekalb	DKC53-56RIB GC	STX,B	AC,P5V	103					
Dekalb	DKC53-78RIB	STX,B	AC,P5V	103					
Dyna-Gro	D40SS27RIB	STX,B	AC,P5V	100					
Dyna-Gro	D41SS71RIB	STX,B	AC,P5V	101					
Federal	5050VT2PRIB	VT2P,B	AC,P2	100					
Federal	5140VT2PRIB	VT2P,B	AC,P2	101					
Federal	5245VT2PRIB	VT2P,B	AC,P2	102					
Gold Country	102-88RSS	STX,B	AC,P5V	102					
Golden Harvest	G01P52-3011A	3011A	AVC,C2,Vi	101					
Latham	LH4955VT2ProRIB	VT2P,B	AC,P2	99					
Latham	LH5054-3011A	3011,A	CM,C2,Vi	100					
Latham	LH5175VT2Pro	VT2P	AC,P5	101					
Latham	LH5215VT2ProRIB	VT2P,B	AC,P2	102					
LG Seeds	LG5499STXRIB	STX,B	AC,P5V	100					
LG Seeds	LG5501VT2P	VT2P	AC,P5V	100					
LG Seeds	LG5502STXRIB	STX,B	AC,P5V	102					
NuTech	5N-0108	3011,A	CM,C2	101					
NuTech/G2 Gen	5F-002^	AM,B	MQ,P5V	102					
NuTech/G2 Gen	5H-502^	HX,RR2	MQ,P5V	102					
NuTech/G2 Gen	5K-0208^	OIXT	MQ,P1V,R	102					
NuTech/G2 Gen	5Z-0107^	OI	MQ,P1V,R	101					
Partners Brand	PB 6753VIP3111 GC	3111	CM,C2	97					
Partners Brand	PB 6981GTA GC	GT,A	CM,C2	99					
Pfister	60B1	HXT,RR2	AC,P5V	100					
Pioneer	P0157AMX GC	AMX,AQ,B	MQ,C2	101					
Pioneer	P0193AMX GC	AMX,B	MQ,C2	101					
Pioneer	P0297AMXT GC	AMXT,AQ,B	MQ,C2	102					
Pioneer	P0339AMXT GC	AMXT,AQ,B	MQ,C2,Lu	103					
Prairie Brand	4995RA	STX,B	CM,C5,Vi,In	99					
Prairie Brand	5026SX	STX	AC,P5V	100					
Prairie Brand	5236SX	STX	CM,C5,Vi,In	102					
Renk	RK612SSTX	STX	AC,P5V	100					
Renk	RK633SSTX	STX,B	AC,P5V	101					
Renk	RK666SSTX	STX,B	AC,P5V	102					
Renk	RK680SSTX	STX	AC,P5V	101					

## Footnotes and Abbreviation Descriptions

### Brand Footnotes

^	G2® brand seed is distributed by NuTech Seed, LLC. Catalyst™ and Power Plus® brand seed is distributed by Burrus. Innotech™ brand seed is distributed by Rob-See-Co, LLC. 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®, Power Plus®, RPM®, Supreme EX®, VPMaxx® and XL® are registered trademarks of DuPont Pioneer. Catalyst™, Innotech™ and Phoenix® are trademarks of Syngenta.
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)	HX	Herculex® 1, contains LL
3010	Agrisure® 3010 (CB,LL,GT)	HX,RR2	Herculex® 1, Roundup Ready 2 Corn
3010,A	Agrisure® Artesian® 3010 (CB,LL,GT)	HXRW	Herculex® Rootworm, contains LL
3011,A	Agrisure® Artesian® (CB,RW,LL,GT)	HXT	Herculex® Xtra (HX,HXRW,LL)
3110	Agrisure® Viptera® 3110 (Vip, CB,LL,GT)	HXT,RR2	Herculex® Xtra, Roundup Ready 2 Corn
3110,A	Agrisure® Viptera® 3110 w/ Artesian®	LL	LibertyLink®
3111	Agrisure® Viptera® 3111 (Vip,CB,RW,LL,GT)	None	conventional corn
3111,A	Agrisure® Viptera® 3111 w/ Artesian®	None,A	conventional corn w/ Artesian®
3122	Agrisure® 3122 (CB,HXX,RW,LL,GT)	OI	Optimum® Intrasect®, YHR (YGCB,HX,LL,RR2)
3220	Agrisure® Viptera® 3220 (Vip,CB,HX,LL,GT)	OI,AQ	Optimum® Intrasect® w/ AQUAMax
AM	Optimum® AcreMax® (YGCB,HX,LL,RR2)	OIX	Optimum® Intrasect® Xtra, YXR (YGCB,HXT,LL,RR2)
AM,AQ	Optimum® AcreMax® w/ AQUAMax	OIXT	Optimum® Intrasect® Xtreme (YGCB,HXT,RW,LL,RR2)
AM1	Optimum® AcreMax®1 (HXT,LL,RR2)	OT	Optimum® TRIsect® CHR (HX,RW,LL,RR2)
AMX	Optimum® AcreMax® Xtra (YGCB,HXT,LL,RR2)	RR2	Roundup Ready® 2 Corn
AMX,AQ	Optimum® AcreMax® Xtra w/ AQUAMax	STX	SmartStax® (VT3P,HXT,RR2,LL)
AMXT	Optimum® AcreMax® Xtreme (YGCB,HXT,RW,LL,RR2)	STX,DG	Genuity® DroughtGard® w/ SmartStax®
AMXT,AQ	Optimum® AcreMax® Xtreme w/ AQUAMax	VT2P	Genuity® VT Double PRO®
B	Blended seed (i.e. refuge blend)	VT2P,DG	Genuity® DroughtGard® w/ VT Double PRO®
GT	Agrisure® GT	VT3P	Genuity® VT Triple PRO®
GT,A	Agrisure® GT w/ Artesian	YGCB	YieldGard® Corn Borer
GT/CB/LL	Agrisure® GT/CB/LL		

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

### Corn Seed Treatments\*\*

?	information not provided	In	Intego™ Solo
A	Allegiance®	L	Lorsban®
AC	Acceleron® fungicide products	Lu	Lumivia™
At	Actellic®	M	Maxim XL®
AVC	Avicta® Complete Corn	MQ	Maxim Quattro®
C2, C5, C1	Cruiser® at 0.25, 0.5 and 1.25 mg ai/seed, respectively	None	untreated
CE	Cruiser Extreme®	P2, P5, P1	Poncho® at 0.25, 0.5 and 1.25 mg ai/seed, respectively
CM	CruiserMaxx® Corn	R	Raxil® (tebuconazole)
D	Dynasty® (azoxystrobin)	V	Votivo®
Es	Escalate®	Vi	Vibrance®

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