

# 2016 Corn Grain Top 30 Harvest Report

Minnesota Southwest [ MNSW ] WABASSO  
Leon Plaetz, Redwood County, MN 56293



Test by: IMQ, LLC, New Richland, MN

PREV. CROP/HERB: Soybean / Flexstar, Roundup  
SOIL DESCRIPTION: Webster, Canisteo clay loam, mod. well drained, non-irrigated  
SOIL CONDITION: Minimum w/ fall till, high P, high K, 6.3 pH, 5.3% OM  
PEST MANAGEMENT: Force, TripleFlex, Status  
FERTILITY - Applied N: 180 Fall  
Applied N-P-K (units): 180-90-80  
SEEDING - RATE - ROW: May 17 35,600 /A 30" spacing  
HARVESTED - STAND: Nov 5 34,400 /A

## Early-Season Test

**96 - 101 Day CRM**  
B2016MNSW05a

## 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
Wyffels	W1968	STX	101	<b>262.3</b>	16.3	0	35.8	778	1
NuTech	X5V-9901	3111,A	99	<b>251.5</b>	16.3	0	34.4	746	2
LG Seeds	LG5501VT2PRIB	VT2P,B	100	<b>250.0</b>	16.0	0	34.8	744	4
Channel	201-28VT2PRIB	VT2P,B	101	<b>248.8</b>	15.3	0	33.9	745	3
Wyffels	W2080	None	98	<b>247.6</b>	16.3	0	35.8	735	5
Mustang	6800GENSS	STX	100	244.9	17.1	0	34.4	722	6
NorthStar	NS100-531GENSS	STX	100	244.5	17.3	0	33.0	719	8
Channel	197-50VT2PRIB	VT2P,B	97	242.8	16.1	0	35.3	722	7
Enestvedt	E696SSRIB	STX,B	100	242.2	17.3	0	33.9	713	11
Titan Pro	TP 65-00 2P	VT2P,DG	100	241.5	16.2	0	33.5	717	10
Channel	199-72STXRIB	STX,B	99	240.0	15.4	0	34.8	718	9
NorthStar	NS100-464GENSSRIB	STX,B	100	239.5	16.3	0	33.5	711	12
LG Seeds	LG5499STXRIB	STX,B	100	238.8	16.5	3	35.8	707	16
Renk	RK596SSTX	STX,B	98	238.6	16.3	0	33.0	708	14
Renk	RK608DGV2P	VT2P,DG	100	238.0	15.5	0	34.4	711	13
Dairyland	DS-9599	3000GT	99	237.7	16.4	2	35.3	705	17
Anderson	684R	RR2	98	237.6	15.8	1	33.0	708	15
Latham	LH5109SSRIB	STX,B	101	236.8	16.2	0	33.5	703	18
Federal	5060VT2PRIB	VT2P,B	100	235.3	15.9	1	34.4	701	19
Wyffels	W2198	STX	100	235.1	16.6	0	34.8	696	23
Pfister	61C1VX	HXT,RR2	101	234.9	16.6	12	35.3	695	24
Dekalb	DKC49-72RIB GC	STX,B	99	234.8	15.8	0	33.5	700	20
Pfister	60B1SSR	STX,B	100	234.7	15.9	0	33.5	699	22
Viking	89-99N Art	None,A	99	234.2	16.3	4	35.3	695	25
Mustang	5700GENVT2P	VT2P	100	233.5	16.1	0	33.9	694	26
Prairie Brand	5127SX	STX	101	233.5	16.5	0	34.4	692	27
Latham	LH5099SS	STX	100	233.5	17.2	0	34.4	688	30
Federal	4240VT2PRIB	VT2P,B	92	233.4	15.1	0	33.9	700	21
LG Seeds	LG5467STX	STX	97	232.1	15.9	0	33.5	691	28
Titan Pro	TP 58-01 2P	VT2P,B	101	231.9	16.1	1	34.4	689	29
Dekalb	DKC52-84RIB CK	STX,B	102	227.8	16.4	0	34.4	675	40

Mark Querna

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Averages = **230.2** **16.2** **1** **34.4** **684**

LSD (0.10) = 15.6 0.9 ns

LSD (0.25) = 10.9 0.6 ns

C.V. = 5.0

New test site, no yield history

**Yield & Income Factors:** Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$3.00; non-GMO = \$3.00

**Test Comments:** *Planting was delayed by a planter issue, followed by rain. Moisture was abundant all season, and these heavy soils retained moisture in the root zone. Yield variability was more evident in the full season test, where drainage was hampered by soil depressions. Rain makes grain, as is evident by these yields. Mild autumn temps and plentiful rainfall gave these hybrids every chance to add test weight.*

† 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: 11/07/2016 Revised:

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SOIL DESCRIPTION: Webster, Canisteo clay loam, mod. well drained, non-irrigated  
SOIL CONDITION: Minimum w/ fall till, high P, high K, 6.3 pH, 5.3% OM  
PEST MANAGEMENT: Force, TripleFlex, Status  
FERTILITY - Applied N: 180 Fall  
Applied N-P-K (units): 180-90-80  
SEEDED - RATE - ROW: May 17 35,600 /A 30" spacing  
HARVESTED - STAND: Nov 5 34,500 /A

**Full-Season Test**  
**102 - 105 Day CRM**  
B2016MNSW05b

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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
Wyffels	W4796RIB	VT2P,B	106	<b>270.4</b>	17.6	0	34.8	794	1
Federal	5550SSTXRIB	STX,B	105	<b>251.5</b>	18.7	0	35.3	731	3
Latham	LH5402RR	RR2	104	249.5	17.6	4	34.8	732	2
NuTech/G2 Gen	5Z-503^	OI	103	247.8	17.4	0	35.8	729	4
Pfister	65B1VX	HXT,RR2	105	242.8	18.5	0	34.4	707	6
Curry	923-83AMXT	AMXT,B	103	242.5	18.3	0	34.4	707	7
Prairie Brand	5406SX	STX	104	242.5	18.9	0	33.9	704	11
Titan Pro	TP 53-03 2P	VT2P,B	103	241.9	16.7	1	34.8	715	5
NuTech/G2 Gen	5F-504^	AM,B	104	241.6	18.3	0	35.3	705	9
Epley	E1410	None	104	241.6	18.2	15	36.2	705	10
Channel	203-01STXRIB	STX,B	103	241.3	17.8	0	33.5	707	8
LG Seeds	LG5507STXRIB	STX,B	103	241.1	18.8	0	33.9	700	16
Latham	LH5215VT2ProRIB	VT2P,B	102	240.2	17.8	0	33.0	704	12
Latham	LH5509SSRIB	STX,B	105	240.0	18.5	0	35.3	699	18
Channel	202-20STXRIB	STX,B	102	239.5	17.5	1	35.3	704	13
Prairie Brand	5385RA	STX,B	103	239.4	18.7	6	33.9	696	19
Renk	RK717SSTX	STX	105	239.0	17.4	0	33.9	703	14
Dairyland	DS-9802	STX	102	237.9	17.1	0	34.8	701	15
Federal	5245VT2P	VT2P	102	237.4	17.0	0	35.3	700	17
Channel	205-19STXRIB	STX,B	105	237.1	18.0	1	33.5	694	20
Pioneer	P0297AMXT GC	AMXT,AQ,B	102	236.3	19.2	1	33.9	684	25
Wyffels	W3228RIB	STX,B	103	235.5	18.2	0	33.0	688	21
Dairyland	DS-9204	STX	104	235.4	19.1	0	33.9	682	26
Pfister	2385RASS	STX,B	104	234.1	18.5	0	34.8	682	27
NuTech/G2 Gen	5K-702^	OIXT	102	233.6	18.2	0	35.8	682	28
Renk	RK666SSTX	STX,B	102	233.1	18.0	0	34.4	682	29
Titan Pro	TP 67-02 SS	STX	102	232.9	17.3	0	34.8	685	23
Renk	RK675DGV2P	VT2P,DG,B	103	232.8	16.8	0	33.9	688	22
Mustang	8805GENSS	STX	105	232.5	17.1	2	34.8	685	24
Viking	40-03N	None	103	230.9	17.0	0	34.8	681	30
Dekalb	DKC52-84RIB CK	STX,B	102	230.5	17.7	0	34.4	676	34

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Averages =	<b>229.7</b>	<b>17.8</b>	<b>3</b>	<b>34.5</b>	<b>673</b>
LSD (0.10) =	21.8	0.9	11		
LSD (0.25) =	15.2	0.6	8		
C.V. =	7.0				

New test site, no yield history

**Yield & Income Factors:** Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$3.00; non-GMO = \$3.00

**Test Comments:** *Planting was delayed by a planter issue, followed by rain. Moisture was abundant all season, and these heavy soils retained moisture in the root zone. Yield variability was more evident in the full season test, where drainage was hampered by soil depressions. Rain makes grain, as is evident by these yields. Mild autumn temps and plentiful rainfall gave these hybrids every chance to add test weight.*

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2016 Corn Grain - Minnesota Southwest [ MNSW ]



Early-Season Test Products (63 Total)

Company/Brand	Product/Brand	Technol.	Seed Trt.	RM	Company/Brand	Product/Brand	Technol.	Seed Trt.	RM
Anderson	6073	None	MQ	101	Prairie Brand	5026RA	STX,B	CM,C5,Vi,In	100
Anderson	6284	None	MQ	98	Prairie Brand	5127SX	STX	CM,C5,Vi,In	101
Anderson	684R	RR2	MQ	98	Renk	RK595SSTX	STX	AC,P5V	99
Channel	197-50VT2PRIB	VT2P,B	AC,P5V	97	Renk	RK596SSTX	STX,B	AC,P5V	98
Channel	199-29STXRIB	STX,B	AC,P5V	99	Renk	RK608DGV2P	VT2P,DG	AC,P2	100
Channel	199-72STXRIB	STX,B	AC,P5V	99	Renk	RK612SSTX	STX,B	AC,P5V	100
Channel	201-28VT2PRIB	VT2P,B	AC,P5V	101	Thunder	4600RR	RR2	AC,P2	100
Curry	XC-1600YHR	OI	MQ,P1V,R	100	Thunder	7396VT2PRIB	VT2P,B	AC,P2	96
Dairyland	DS-9198RA	STX,B	CM,C5,Vi,In	98	Titan Pro	TP 54-98 2P	VT2P,B	AC,P2	98
Dairyland	DS-9599	3000GT	CM,C5,Vi,In	99	Titan Pro	TP 58-01 2P	VT2P,B	AC,P2	101
Dairyland	DS-9701RA	STX,B	CM,C2	101	Titan Pro	TP 65-00 2P	VT2P,DG	AC,P2	100
Dekalb	DKC49-72RIB GC	STX,B	AC,P5V	99	Titan Pro	TP 68-98 SS	STX	AC,P5V	98
Dekalb	DKC52-84RIB CK	STX,B	AC,P5V	102	Viking	58-98N	None	CM,C2	98
Dyna-Gro	D37SS60	STX	AC,P5V	97	Viking	89-99N Art	None,A	CM,C2	99
Enestvedt	E696SSRIB	STX,B	AC,P5	100	Wyffels	W1556	VT2P	AC,P5V	95
Federal	4240VT2PRIB	VT2P,B	AC,P2	92	Wyffels	W1968	STX	AC,P5V	101
Federal	4760VT2PRIB	VT2P,B	AC,P2	97	Wyffels	W2080	None	AC,P5V	98
Federal	5060VT2PRIB	VT2P,B	AC,P2	100	Wyffels	W2198	STX	AC,P5V	100
Federal	5140CONV	None	CM,C2	101					
Latham	LH4859SSRIB	STX,B	AC,P5V	98					
Latham	LH4955VT2ProRIB	VT2P,B	AC,P2	99					
Latham	LH5099SS	STX	AC,P5V	100					
Latham	LH5109SSRIB	STX,B	AC,P5V	101					
LG Seeds	LG5467STX	STX	AC,P5V	97					
LG Seeds	LG5470STXRIB	STX,B	AC,P5V	98					
LG Seeds	LG5499STXRIB	STX,B	AC,P5V	100					
LG Seeds	LG5501VT2PRIB	VT2P,B	AC,P5V	100					
Mustang	4298GENVT2PRIB	VT2P,B	AC,P2	98					
Mustang	5700GENVT2P	VT2P	AC,P2	100					
Mustang	6701-3011A	3011,A	CM,C2	101					
Mustang	6800GENSS	STX	AC,P5V	100					
NorthStar	NS100-464GENSSRIB	STX,B	AC,P5V	100					
NorthStar	NS100-531GENSS	STX	AC,P2	100					
NuTech	5N-800	3011,A	MQ,P5V,R	100					
NuTech	X5V-9901	3111,A	AVC,C2,Vi	99					
NuTech/G2 Gen	5F-196^	AM,B	MQ,P5V	96					
NuTech/G2 Gen	5F-198^	AM,B	MQ,P5V,R	98					
NuTech/G2 Gen	5Z-601^	OI,AQ	MQ,P1V,R	101					
NuTech/G2 Gen	X5Z-9902^	OI	MQ,P1V,R	99					
Pfister	1740RASS	STX,B	CM,C5,Vi,In	98					
Pfister	57A1SSR	STX,B	CM,C5,Vi,In	97					
Pfister	60B1SSR	STX,B	CM,C5,Vi,In	100					
Pfister	61C1VX	HXT,RR2	CM,C5,Vi,In	101					
Pioneer	P9526AMXT GC	AMXT,AQ,B	MQ,C2	95					
Prairie Brand	4776RA	STX,B	CM,C5,Vi,In	97					

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

Company/Brand	Product/Brand	Technol.	Seed Trt.	RM	Company/Brand	Product/Brand	Technol.	Seed Trt.	RM
Anderson	5303	None	MQ	103	Thunder	Exp 105	STX	AC,P5V	105
Anderson	533R	RR2	MQ	103	Titan Pro	TP 53-03 2P	VT2P,B	AC,P2	103
Channel	202-20STXRIB	STX,B	AC,P5V	102	Titan Pro	TP 67-02 SS	STX	AC,P2	102
Channel	202-52STXRIB	STX,B	AC,P5V	102	Viking	40-03N	None	CM,C2	103
Channel	203-01STXRIB	STX,B	AC,P5V	103	Viking	58-04N	None	CM,C2	104
Channel	205-19STXRIB	STX,B	AC,P5V	105	Wyffels	W2488RIB	STX,B	AC,P5V	101
Curry	923-83AMXT	AMXT,B	MQ,P5V,R	103	Wyffels	W3076	VT2P	AC,P5V	102
Dairyland	DS-9204	STX	CM,C5,Vi,In	104	Wyffels	W3228RIB	STX,B	AC,P5V	103
Dairyland	DS-9403	STX	CM,C5,Vi,In	103	Wyffels	W4796RIB	VT2P,B	AC,P2	106
Dairyland	DS-9802	STX	CM,C5,Vi,In	102					
Dekalb	DKC52-84RIB CK	STX,B	AC,P5V	102					
Dekalb	DKC54-38RIB GC	STX,B	AC,P5V	104					
Dyna-Gro	D45SS65	STX	AC,P5V	105					
Epley	E1410	None	MQ	104					
Federal	5245VT2P	VT2P	AC,P2	102					
Federal	5370SSTAX	STX	AC,P5V	103					
Federal	5445CONV	None	CM,C2	104					
Federal	5550SSTAXRIB	STX,B	AC,P5V	105					
Latham	EX5339SS	STX	AC,P5V	103					
Latham	LH5215VT2ProRIB	VT2P,B	AC,P2	102					
Latham	LH5402RR	RR2	AC,P2	104					
Latham	LH5509SSRIB	STX,B	AC,P5V	105					
LG Seeds	LG5507STXRIB	STX,B	AC,P5V	103					
LG Seeds	LG5520STX	STX	AC,P5V	105					
Mustang	0404CONV	None	AC,P2	104					
Mustang	8805GENSS	STX	AC,P5V	105					
NorthStar	NS102-168DGV2P	VT2P,DG	AC,P2	102					
NorthStar	NS104-167GENSSRIB	STX,B	AC,P5V	104					
NuTech/G2 Gen	5F-504^	AM,B	MQ,P5V,R	104					
NuTech/G2 Gen	5H-502^	HX,RR2	MQ,P5V	102					
NuTech/G2 Gen	5K-702^	OIXT	MQ,P1V,R	102					
NuTech/G2 Gen	5Z-503^	OI	MQ,P1V,R	103					
Pfister	2385RASS	STX,B	CM,C5,Vi,In	104					
Pfister	62A1VX	HXT,RR2	CM,C5,Vi,In	102					
Pfister	65B1VX	HXT,RR2	CM,C5,Vi,In	105					
Pfister	X14503VX	HXT,RR2	CM,C5,Vi,In	103					
Pioneer	P0297AMXT GC	AMXT,AQ,B	MQ,C2	102					
Pioneer	P0570AMXT GC	AMXT,B	MQ,C2,Lu	105					
Prairie Brand	5385RA	STX,B	CM,C5,Vi,In	103					
Prairie Brand	5406SX	STX	CM,C5,Vi,In	104					
Renk	RK666SSTX	STX,B	AC,P5V	102					
Renk	RK675DGV2P	VT2P,DG,B	AC,P2	103					
Renk	RK680SSTX	STX,B	AC,P5V	103					
Renk	RK717SSTX	STX	AC,P5V	105					
Thunder	7603SSRIB	STX,B	AC,P2	103					

## 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. HPT® brand seed is distributed by Hoegemeyer Hybrids, 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®, HPT®, 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
3110	Agrisure® Viptera® 3110 (Vip, CB,LL,GT)	HXRW	Herculex® Rootworm, contains LL
3111	Agrisure® Viptera® 3111 (Vip,CB,RW,LL,GT)	HXT	Herculex® Xtra (HX,HXRW,LL)
3122	Agrisure® 3122 (CB,HXX,RW,LL,GT)	HXT,RR2	Herculex® Xtra, Roundup Ready 2 Corn
3220	Agrisure® Viptera® 3220 (Vip,CB,HX,LL,GT)	LL	LibertyLink®
A	Agrisure® Artesian®	None	conventional corn
AM	Optimum® AcreMax® (YGCB,HX,LL,RR2)	OI	Optimum® Intrasect®, YHR (YGCB,HX,LL,RR2)
AMT	Optimum® AcreMax® TRIsect (HX,RW,LL,RR2)	OIX	Optimum® Intrasect® Xtra, YXR (YGCB,HXT,LL,RR2)
AMX	Optimum® AcreMax® Xtra (YGCB,HXT,LL,RR2)	OIXT	Optimum® Intrasect® Xtreme, CYXR (YGCB,HXT,RW,LL,RR2)
AMXT	Optimum® AcreMax® Xtreme (YGCB,HXT,RW,LL,RR2)	RR2	Roundup Ready® 2 Corn
AQ	Optimum® AQUAMax®	RW	Agrisure® Rootworm
B	Refuge Blend	STX	SmartStax® (VT3P,HXT,RR2,LL)
CB	Agrisure® Corn Borer	VT2P	Genuity® VT Double PRO®
DG	Genuity® DroughtGard®	VT3P	Genuity® VT Triple PRO®
GT	Agrisure® GT	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\*\*

n/a	information not provided	In	Intego™ Solo
A	Allegiance®	L	Lorsban®
AC	Accelaron® fungicide products	Lu	Lumivia™
AChD	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®
CM	CruiserMaxx® Corn	V	Votivo®
D	Dynasty®	Vi	Vibrance®
Es	Escalate®		

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