

## 2016 Corn Grain Top 30 Harvest Report

Minnesota Southwest [ MNSW ] TRACY  
Brian Hicks, Lyon County, MN 56175



PREV. CROP/HERB: Soybean / Authority, Roundup, Flexstar, Fusilade  
SOIL DESCRIPTION: Amiret, Webster loam, well drained, non-irrigated  
SOIL CONDITION: Minimum w/ fall till, high P, high K, 6.8 pH, 4.1% OM  
PEST MANAGEMENT: Force, Ascend, Surpass, atrazine, Status, Accent  
FERTILITY - Applied N: 160 Fall, 6 Planter  
Applied N-P-K (units): 166-80-60  
SEEDING - RATE - ROW: May 4 35,600 /A 30" spacing  
HARVESTED - STAND: Oct 29 34,000 /A

**Early-Season Test**  
**96 - 101 Day CRM**  
B2016MNSW01a

**Top 30 of 63**  
For Gross Income (Sorted by Yield)  
Average of (3) Replications

Company/Brand	Product/Brand†	Technol.†	RM	Yield	Moisture	Lodging	Stand	Gross Income	
				Bu/A	%	%	(x 1000)	\$/Acre	Rank
Wyffels	W2080	None	98	<b>288.6</b>	14.7	0	34.8	866	1
Renk	RK608DGV2P	VT2P,DG	100	<b>287.7</b>	15.0	0	33.9	863	2
LG Seeds	LG5499STXRIB	STX,B	100	<b>286.2</b>	15.9	0	34.8	852	4
NuTech/G2 Gen	5Z-601^	OI,AQ	101	<b>285.5</b>	15.3	0	36.2	854	3
NuTech/G2 Gen	5F-196^	AM,B	96	<b>282.0</b>	15.2	0	33.9	845	5
NuTech/G2 Gen	5F-198^	AM,B	98	276.4	15.5	0	33.0	826	6
Renk	RK596SSTX	STX,B	98	275.0	14.9	0	22.8	825	7
NorthStar	NS100-531GENSS	STX	100	272.5	15.2	0	33.9	816	9
Latham	LH5109SSRIB	STX,B	101	271.5	15.5	0	33.5	811	10
Latham	LH5099SS	STX	100	271.2	16.3	0	34.4	805	15
Mustang	5700GENVT2P	VT2P	100	270.7	15.8	0	36.2	807	13
Channel	197-50VT2PRIB	VT2P,B	97	270.3	15.1	0	34.8	810	11
Wyffels	W2198	STX	100	270.1	15.2	0	33.5	809	12
Channel	199-29STXRIB	STX,B	99	269.9	15.8	0	34.4	804	17
Titan Pro	TP 65-00 2P	VT2P,DG	100	269.6	15.4	0	34.8	806	14
LG Seeds	LG5467STX	STX	97	268.4	15.1	0	34.8	805	16
Federal	5140CONV	None	101	268.0	15.4	0	36.2	801	18
Pfister	1740RASS	STX,B	98	267.5	15.5	0	34.4	799	20
Latham	LH4955VT2ProRIB	VT2P,B	99	267.3	15.1	0	34.4	801	19
Channel	201-28VT2PRIB	VT2P,B	101	267.3	15.8	0	33.5	797	21
Mustang	6800GENSS	STX	100	266.2	15.5	0	35.3	795	22
Viking	89-99N Art	None,A	99	265.6	15.7	0	35.3	792	23
Dyna-Gro	D37SS60	STX	97	264.6	15.4	0	32.1	791	24
Latham	LH4859SSRIB	STX,B	98	263.8	16.0	0	33.0	785	26
Pfister	61C1VX	HXT,RR2	101	263.4	16.4	0	32.5	781	28
NuTech	X5V-9901	3111,A	99	263.2	15.9	0	36.2	784	27
LG Seeds	LG5501VT2PRIB	VT2P,B	100	262.8	15.4	0	34.4	786	25
Mustang	6701-3011A	3011,A	101	262.8	16.1	0	34.4	781	29
NuTech	5N-800	3011,A	100	262.4	16.1	0	34.8	780	30
LG Seeds	LG5470STXRIB	STX,B	98	260.2	15.2	0	35.3	779	31
Dekalb	DKC52-84RIB CK	STX,B	102	274.2	15.0	0	31.6	823	8

Mark Querna

mark.querna@firstseedtests.com, (507) 380-9920

Averages = **262.0** **15.5** **0** **34.0** **783**

LSD (0.10) = 16.6 0.7 ns

LSD (0.25) = 11.6 0.5 ns

C.V. = 4.7 Prev. years average yield, 190.5 bu/a, 6 yrs

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

**Test Comments:** *This plot looked amazing from emergence on. The site had a slight slope, the soil type has a slightly lower clay content, and Brian has this field pattern tilled... so the plentiful rainfall here did not saturate the roots as much as in other areas of southern Minnesota. The moderate temps and long growing season combined to produce beautiful harvest stands with no lodging, and great plant health.*

† 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: 10/31/2016 Revised:

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Brian Hicks, Lyon County, MN 56175



Test by: IMQ, LLC, New Richland, MN

PREV. CROP/HERB: Soybean / Authority, Roundup, Flexstar, Fusilade  
 SOIL DESCRIPTION: Amiret, Webster loam, well drained, non-irrigated  
 SOIL CONDITION: Minimum w/ fall till, high P, high K, 6.8 pH, 4.1% OM  
 PEST MANAGEMENT: Force, Ascend, Surpass, atrazine, Status, Accent  
 FERTILITY - Applied N: 160 Fall, 6 Planter  
 Applied N-P-K (units): 166-80-60  
 SEEDING - RATE - ROW: May 4 35,600 /A 30" spacing  
 HARVESTED - STAND: Oct 29 34,500 /A

### Full-Season Test

102 - 105 Day CRM

B2016MNSW01b

### 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
NuTech/G2 Gen	5F-504^	AM,B	104	<b>300.9</b>	17.3	0	33.9	885	1
NuTech/G2 Gen	5K-702^	OIXT	102	<b>289.3</b>	15.8	0	34.8	862	2
Federal	5370SSTAX	STX	103	<b>286.5</b>	16.2	0	33.5	851	4
Pfister	65B1VX	HXT,RR2	105	284.7	16.9	0	35.8	841	5
Thunder	Exp 105	STX	105	282.8	16.4	0	34.8	839	6
Wyffels	W4796RIB	VT2P,B	106	281.5	16.4	0	34.8	835	7
Renk	RK717SSTX	STX	105	280.6	16.3	0	35.3	833	8
NuTech/G2 Gen	5Z-503^	OI	103	280.0	16.2	0	34.4	832	9
Federal	5550SSTAXRIB	STX,B	105	278.0	17.3	0	32.5	818	14
Latham	EX5339SS	STX	103	276.8	16.6	0	34.4	819	13
Mustang	8805GENSS	STX	105	276.6	16.3	0	35.8	821	11
Anderson	5303	None	103	276.2	15.9	0	33.0	822	10
Federal	5245VT2P	VT2P	102	276.0	16.1	0	35.3	820	12
Pfister	62A1VX	HXT,RR2	102	276.0	16.6	0	35.3	817	15
LG Seeds	LG5507STXRIB	STX,B	103	274.2	16.8	0	35.8	810	19
Thunder	7603SSRIB	STX,B	103	273.6	15.8	0	33.9	815	16
Latham	LH5402RR	RR2	104	272.9	16.1	0	35.3	811	18
Wyffels	W3076	VT2P	102	272.5	15.8	0	32.5	812	17
NorthStar	NS104-167GENSSRIB	STX,B	104	272.2	16.6	0	36.2	806	20
Latham	LH5509SSRIB	STX,B	105	272.1	17.0	0	33.0	803	23
Epley	E1410	None	104	271.8	16.5	0	34.8	805	21
Prairie Brand	5406SX	STX	104	271.3	17.3	0	34.4	798	26
Renk	RK666SSTX	STX,B	102	270.7	16.0	0	33.0	805	22
Pfister	2385RASS	STX,B	104	270.3	16.7	0	34.8	799	25
Titan Pro	TP 53-03 2P	VT2P,B	103	269.5	15.9	0	33.9	802	24
Federal	5445CONV	None	104	266.8	16.6	0	32.5	790	29
Dekalb	DKC54-38RIB GC	STX,B	104	266.4	17.1	0	32.5	785	30
Latham	LH5215VT2ProRIB	VT2P,B	102	265.6	15.6	0	33.5	793	27
Channel	205-19STXRIB	STX,B	105	265.6	16.9	0	34.4	784	31
Wyffels	W3228RIB	STX,B	103	264.7	15.5	0	36.2	791	28
Dekalb	DKC52-84RIB CK	STX,B	102	<b>290.4</b>	16.4	0	34.4	861	3

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Averages = **266.9** **16.4** **0** **34.5** **791**

LSD (0.10) = 18.3 0.7 ns

LSD (0.25) = 12.7 0.5 ns

C.V. = 5.0 Prev. years average yield, 190.5 bu/a, 6 yrs

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

**Test Comments:** *This plot looked amazing from emergence on. The site had a slight slope, the soil type has a slightly lower clay content, and Brian has this field pattern tiled... so the plentiful rainfall here did not saturate the roots as much as in other areas of southern Minnesota. The moderate temps and long growing season combined to produce beautiful harvest stands with no lodging, and great plant health.*

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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	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					

2016 Corn Grain - Minnesota Southwest [ MNSW ]



**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.