

2016 Corn Grain Top 30 Harvest Report

Minnesota Southwest [MNSW] JACKSON
Steve Ryberg, Jackson County, MN 56143



Test by: IMQ, LLC, New Richland, MN

PREV. CROP/HERB: Soybean / Treflan, Roundup
SOIL DESCRIPTION: Crippin, Canlsteo-Glanceo clay loam, mod. well drained, non-irrigated
SOIL CONDITION: Minimum w/ fall till, high P, high K, 6.9 pH, 4.2% OM
PEST MANAGEMENT: Force, Harness, atrazine, Status
FERTILITY - Applied N: 30 Fall, 110 Spring
Applied N-P-K (units): 140-50-60
SEEDING - RATE - ROW: May 7 35,600 /A 30" spacing
HARVESTED - STAND: Oct 31 31,000 /A

Early-Season Test

96 - 101 Day CRM
B2016MNSW03a

Top 30 of 63

For Gross Income (Sorted by Yield)
Average of (2) Replications

Company/Brand	Product/Brand†	Technol.†	RM	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Viking	89-99N Art	None,A	99	240.1	17.5	0	33.5	705	1
Titan Pro	TP 65-00 2P	VT2P,DG	100	237.9	17.5	0	30.7	699	2
NuTech/G2 Gen	5F-196^	AM,B	96	237.1	18.1	0	32.8	693	4
Wyffels	W2080	None	98	235.6	16.4	0	30.7	699	3
NuTech/G2 Gen	5Z-601^	OI,AQ	101	235.6	17.6	0	32.1	691	5
Dairyland	DS-9599	3000GT	99	235.6	17.9	0	28.6	690	6
Renk	RK608DGV2P	VT2P,DG	100	234.7	17.5	0	30.7	689	7
LG Seeds	LG5501VT2PRIB	VT2P,B	100	232.7	17.1	0	32.1	686	8
Prairie Brand	5026RA	STX,B	100	229.5	17.0	0	34.2	677	9
Mustang	4298GENVT2PRIB	VT2P,B	98	226.8	18.4	0	28.6	661	12
Channel	201-28VT2PRIB	VT2P,B	101	225.5	17.3	0	30.0	664	10
Pfister	60B1SSR	STX,B	100	225.3	17.3	0	32.1	663	11
Federal	5060VT2PRIB	VT2P,B	100	224.6	17.3	0	33.5	661	13
NuTech	X5V-9901	3111,A	99	223.8	17.3	0	30.0	659	14
LG Seeds	LG5499STXRIB	STX,B	100	223.5	18.4	2	32.1	652	18
Wyffels	W2198	STX	100	223.2	17.5	0	31.4	656	16
NuTech/G2 Gen	5F-198^	AM,B	98	223.1	17.6	0	31.4	655	17
Wyffels	W1556	VT2P	95	222.3	16.8	0	30.7	657	15
Mustang	5700GENVT2P	VT2P	100	222.0	18.1	0	31.4	649	19
Mustang	6701-3011A	3011,A	101	221.8	18.5	0	29.3	646	21
Channel	199-72STXRIB	STX,B	99	220.1	17.7	0	32.8	645	22
Dekalb	DKC49-72RIB GC	STX,B	99	219.6	16.9	0	30.0	648	20
Latham	LH4955VT2ProRIB	VT2P,B	99	219.4	17.4	0	35.5	645	23
Mustang	6800GENSS	STX	100	219.3	18.1	0	30.7	641	24
Dairyland	DS-9701RA	STX,B	101	217.7	18.2	0	30.0	636	25
NorthStar	NS100-464GENSSRIB	STX,B	100	216.6	18.0	0	30.7	634	26
Anderson	6284	None	98	216.2	18.3	1	29.3	631	28
Latham	LH5109SSRIB	STX,B	101	215.7	17.7	0	29.3	633	27
Federal	4240VT2PRIB	VT2P,B	92	212.4	16.6	1	32.1	629	29
LG Seeds	LG5470STXRIB	STX,B	98	212.2	16.4	0	31.4	629	30
Dekalb	DKC52-84RIB CK	STX,B	102	207.2	18.0	0	27.9	606	38

Mark Querna

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Averages = **212.7** **17.7** **0** **31.0** **624**

LSD (0.10) = 22.1 0.9 ns

LSD (0.25) = 15.4 0.6 ns

C.V. = 6.2 Prev. years average yield, 197.8 bu/a, 14 yrs

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

Test Comments: *Planting conditions were not ideal, as spring rains prevented April planting. Emergence was a serious problem here, despite being rotary hoed twice to break up the crust. Final populations were variable, and this flat site had lower yields in lower areas. One rep removed from each test to improve uniformity. Steve reported rainfall totals: May 5.9"; June 4.93"; July 6.5"; Aug 2.4"; and Sept 4.5".*

† 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: Minimum w/ fall till, high P, high K, 6.9 pH, 4.2% OM
PEST MANAGEMENT: Force, Harness, atrazine, Status
FERTILITY - Applied N: 30 Fall, 110 Spring
Applied N-P-K (units): 140-50-60
SEEDING - RATE - ROW: May 7 35,600 /A 30" spacing
HARVESTED - STAND: Oct 31 29,000 /A

Full-Season Test
102 - 105 Day CRM
B2016MNSW03b

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For Gross Income (Sorted by Yield)
Average of (2) Replications

Company/Brand	Product/Brand†	Technol.†	RM	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Pfister	X14503VX	HXT,RR2	103	226.2	19.3	0	31.4	654	1
NuTech/G2 Gen	5Z-503^	OI	103	220.2	18.8	0	34.2	640	2
Pfister	65B1VX	HXT,RR2	105	217.5	20.1	0	30.0	625	5
Wyffels	W3076	VT2P	102	214.7	18.3	0	29.3	626	4
Anderson	5303	None	103	214.4	18.1	0	33.5	627	3
Thunder	Exp 105	STX	105	209.1	18.5	0	30.7	609	6
Mustang	0404CONV	None	104	207.5	19.9	0	31.4	597	10
LG Seeds	LG5507STXRIB	STX,B	103	207.1	20.3	0	26.5	594	14
NuTech/G2 Gen	5F-504^	AM,B	104	207.0	20.0	0	30.0	595	12
Wyffels	W4796RIB	VT2P,B	106	206.9	18.2	0	30.7	604	8
Mustang	8805GENSS	STX	105	206.8	17.8	0	27.2	606	7
Dairyland	DS-9403	STX	103	205.8	19.3	8	32.8	595	13
Renk	RK680SSTX	STX,B	103	205.7	17.9	0	30.0	602	9
Latham	LH5215VT2ProRIB	VT2P,B	102	203.6	17.9	0	32.1	596	11
Pioneer	P0570AMXT GC	AMXT,B	105	203.4	19.6	0	32.1	587	17
Prairie Brand	5385RA	STX,B	103	203.1	18.2	5	35.5	593	15
Channel	202-52STXRIB	STX,B	102	201.2	17.2	0	28.6	593	16
Pfister	62A1VX	HXT,RR2	102	200.9	18.5	0	32.1	585	18
Latham	LH5509SSRIB	STX,B	105	200.8	19.8	0	25.8	578	20
Renk	RK675DGV2P	VT2P,DG,B	103	199.9	18.9	0	30.7	580	19
Latham	LH5402RR	RR2	104	199.4	20.1	1	28.6	573	24
NuTech/G2 Gen	5K-702^	OIXT	102	198.8	18.9	0	25.1	577	21
Channel	205-19STXRIB	STX,B	105	196.6	19.8	0	30.7	566	27
Federal	5245VT2P	VT2P	102	196.5	18.2	0	31.4	574	23
Wyffels	W3228RIB	STX,B	103	196.4	18.3	0	32.1	573	25
Viking	40-03N	None	103	196.2	17.6	0	32.8	576	22
Renk	RK717SSTX	STX	105	193.8	18.0	0	26.5	567	26
NorthStar	NS102-168DGV2P	VT2P,DG	102	193.7	18.2	0	28.6	566	28
Viking	58-04N	None	104	193.3	18.9	0	31.4	561	29
Latham	EX5339SS	STX	103	192.6	18.8	0	28.6	560	30
Dekalb	DKC52-84RIB CK	STX,B	102	186.4	17.7	0	22.3	547	36

Mark Querna

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Averages = **194.1** **19.1** **0** **29.0** **563**

LSD (0.10) = 23.6 1.6 ns

LSD (0.25) = 16.4 1.1 ns

C.V. = 7.3 Prev. years average yield, 197.8 bu/a, 14 yrs

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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.