

2016 Corn Grain Top 30 Harvest Report

Minnesota Southwest [MNSW] JEFFERS
Rick Quade, Cottonwood County, MN 56083



Test by: IMQ, LLC, New Richland, MN

PREV. CROP/HERB: Soybean / Sonic, Durango
SOIL DESCRIPTION: Clarion loam, moderately drained, non-irrigated
SOIL CONDITION: Minimum w/ fall till, mod. high P, high K, 6.4 pH, 4.5% OM
PEST MANAGEMENT: Force, SureStart, Status, Accent
FERTILITY - Applied N: 126 Fall, 32 Spring
Applied N-P-K (units): 158-82-82
SEEDING - RATE - ROW: May 7 35,600 /A 30" spacing
HARVESTED - STAND: Oct 30 33,500 /A

Early-Season Test

96 - 101 Day CRM
B2016MNSW02a

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
NuTech/G2 Gen	5F-196^	AM,B	96	240.3	17.9	0	33.5	703	1
NuTech/G2 Gen	5Z-601^	OI,AQ	101	236.7	18.3	0	35.3	691	2
NuTech/G2 Gen	5F-198^	AM,B	98	228.0	17.3	0	33.5	671	3
Pfister	1740RASS	STX,B	98	224.8	18.1	3	33.0	657	4
Channel	201-28VT2PRIB	VT2P,B	101	221.9	17.7	0	31.6	651	5
Pfister	61C1VX	HXT,RR2	101	221.9	18.2	0	33.9	648	6
Mustang	5700GENVT2P	VT2P	100	221.1	17.7	0	33.0	648	7
Renk	RK612SSTX	STX,B	100	220.4	17.6	3	35.3	647	8
Latham	LH4859SSRIB	STX,B	98	217.6	16.9	0	21.4	642	9
Pfister	60B1SSR	STX,B	100	217.5	17.4	1	33.5	639	11
Federal	4240VT2PRIB	VT2P,B	92	216.8	16.7	0	31.6	641	10
Pfister	57A1SSR	STX,B	97	216.5	17.6	0	33.9	635	13
Anderson	684R	RR2	98	215.9	17.2	3	34.4	636	12
Dekalb	DKC49-72RIB GC	STX,B	99	215.6	17.4	0	33.0	634	14
Viking	58-98N	None	98	213.6	17.2	1	32.1	629	15
Titan Pro	TP 58-01 2P	VT2P,B	101	213.6	17.5	0	33.5	627	17
Anderson	6284	None	98	213.3	17.3	0	35.3	628	16
Mustang	6701-3011A	3011,A	101	213.2	18.3	0	31.6	622	19
Federal	4760VT2PRIB	VT2P,B	97	212.4	17.5	0	33.5	624	18
Dairyland	DS-9599	3000GT	99	211.9	18.1	0	32.5	619	20
Prairie Brand	5127SX	STX	101	211.5	18.1	0	34.4	618	21
Federal	5140CONV	None	101	211.0	17.8	0	35.3	618	22
NuTech	X5V-9901	3111,A	99	209.6	17.9	0	33.9	614	26
Renk	RK596SSTX	STX,B	98	209.5	17.3	0	33.9	616	23
Viking	89-99N Art	None,A	99	209.4	17.9	0	33.9	613	27
Renk	RK608DGV2P	VT2P,DG	100	209.3	17.3	0	34.8	616	24
Channel	197-50VT2PRIB	VT2P,B	97	208.7	17.1	0	33.9	615	25
LG Seeds	LG5499STXRIB	STX,B	100	208.5	18.6	3	35.3	607	29
NuTech	5N-800	3011,A	100	207.6	18.0	0	34.8	607	30
Wyffels	W1556	VT2P	95	206.5	16.7	3	34.8	611	28
Dekalb	DKC52-84RIB CK	STX,B	102	200.7	17.9	0	35.3	588	44

Mark Querna

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Averages = **206.6** **17.6** **1** **33.5** **606**

LSD (0.10) = 23.2 0.7 ns

LSD (0.25) = 16.2 0.5 ns

C.V. = 8.3 Prev. years average yield, 186.0 bu/a, 9 yrs

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

Test Comments: *Peristent rainfall hampered planting progress. Other than a few brief weeks of dry weather in late July, water was always just a bit too prevalent here. Plant populations were strong at harvest, but this flat site showed every minor depression with stunted plant growth from saturated soil. The highly variable full-season test yields are unreliable for comparisons, as a result, that data is rejected.*

† 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: 11/02/2016 Revised:

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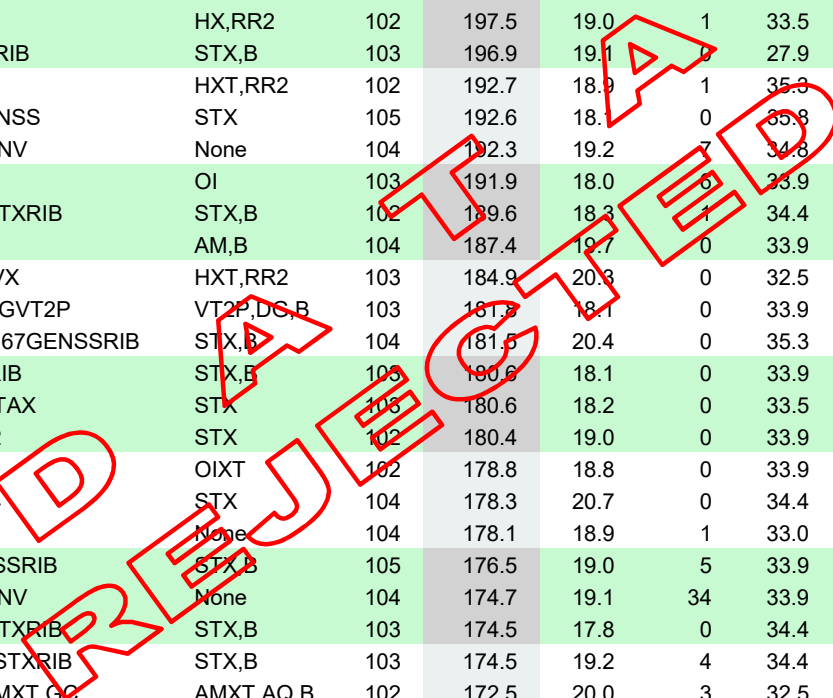
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SOIL CONDITION: Minimum w/ fall till, mod. high P, high K, 6.4 pH, 4.5% OM
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FERTILITY - Applied N: 126 Fall, 32 Spring
Applied N-P-K (units): 158-82-82
SEEDING - RATE - ROW: May 7 35,600 /A 30" spacing
HARVESTED - STAND: Oct 30 33,400 /A

Full-Season Test
102 - 105 Day CRM
B2016MNSW02b

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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
Latham	LH5402RR	RR2	104	204.2	19.6	0	34.8	589	2
Titan Pro	TP 53-03 2P	VT2P,B	103	203.9	19.0	0	33.9	591	1
Dairyland	DS-9403	STX	103	202.2	18.8	10	35.8	587	3
LG Seeds	LG5520STX	STX	105	199.2	20.6	0	31.1	570	6
NuTech/G2 Gen	5H-502^	HX,RR2	102	197.5	19.0	1	33.5	573	4
Thunder	7603SSRIB	STX,B	103	196.9	19.1	0	27.9	571	5
Pfister	62A1VX	HXT,RR2	102	192.7	18.9	1	35.3	559	9
Mustang	8805GENSS	STX	105	192.6	18.1	0	35.8	563	7
Mustang	0404CONV	None	104	192.3	19.2	7	34.8	557	10
NuTech/G2 Gen	5Z-503^	OI	103	191.9	18.0	6	33.9	561	8
Channel	202-20STXRIB	STX,B	102	189.6	18.3	7	34.4	553	11
NuTech/G2 Gen	5F-504^	AM,B	104	187.4	19.7	0	33.9	540	12
Pfister	X14503VX	HXT,RR2	103	184.9	20.3	0	32.5	530	14
Renk	RK675DGV2P	VT2P,DC,B	103	181.3	18.1	0	33.9	531	13
NorthStar	NS104-167GENSSRIB	STX,B	104	181.5	20.4	0	35.3	520	18
Wyffels	W3228RIB	STX,B	103	180.6	18.1	0	33.9	528	15
Federal	5370SSTAX	STX	105	180.6	18.2	0	33.5	527	16
Dairyland	DS-9802	STX	102	180.4	19.0	0	33.9	523	17
NuTech/G2 Gen	5K-702^	OIXT	102	178.8	18.8	0	33.9	519	19
Dairyland	DS-9204	STX	104	178.3	20.7	0	34.4	509	23
Viking	58-04N	None	104	178.1	18.9	1	33.0	517	20
Latham	LH5509SSRIB	STX,B	105	176.5	19.0	5	33.9	512	21
Federal	5445CONV	None	104	174.7	19.1	34	33.9	506	24
Channel	203-01STXRIB	STX,B	103	174.5	17.8	0	34.4	511	22
LG Seeds	LG5507STXRIB	STX,B	103	174.5	19.2	4	34.4	505	25
Pioneer	P0297AMXT GC	AMXT,AQ,B	102	172.5	20.0	3	32.5	496	30
Latham	LH5215VT2ProRIB	VT2P,B	102	171.9	17.8	3	31.6	504	26
Wyffels	W3076	VT2P	102	171.8	17.7	0	32.1	504	27
Channel	202-52STXRIB	STX,B	102	171.7	17.5	0	34.4	504	28
Wyffels	W4796RIB	VT2P,B	106	170.7	17.8	0	33.5	500	29
Dekalb	DKC52-84RIB CK	STX,B	102	158.0	17.8	0	29.3	463	47



Mark Querna

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Averages =	174.0	18.9	3	33.4	505
LSD (0.10) =	36.6	0.9	9		
LSD (0.25) =	25.5	0.6	6		
C.V. =	15.5			Prev. years average yield, 186.0 bu/a, 9 yrs	

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

Test Comments: *Persistent rainfall hampered planting progress. Other than a few brief weeks of dry weather in late July, water was always just a bit too prevalent here. Plant populations were strong at harvest, but this flat site showed every minor depression with stunted plant growth from saturated soil. The highly variable full-season test yields are unreliable for comparisons, as a result, that data is rejected.*

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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 Boreer	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.