

2016 Corn Grain Top 30 Harvest Report

Minnesota Southeast [MNSE] KASSON
Brian Herbst, Dodge County, MN 55944



Test by: IMQ, LLC, New Richland, MN

PREV. CROP/HERB: Soybean / OpTill, Sharpen, Flexstar, Roundup
SOIL DESCRIPTION: Port Byron silt loam, mod. well drained, non-irrigated
SOIL CONDITION: Minimum w/ fall till, high P, high K, 8 pH, 3.3% OM
PEST MANAGEMENT: Force, atrazine, Armezon, Brigade
FERTILITY - Applied N: 150 Fall, 50 Spring
Applied N-P-K (units): 200-70-120
SEEDING - RATE - ROW: Apr 23 35,600 /A 30" spacing
HARVESTED - STAND: Oct 23 34,100 /A

Early-Season Test
95 - 100 Day CRM
B2016MNSE08a

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
LG Seeds	LG5470STXRIB	STX,B	98	256.3	17.5	0	34.8	753	3
Viking	34-94N	None	94	256.2	15.9	0	33.5	763	2
Dyna-Gro	D37SS60	STX	97	255.7	17.5	0	35.8	751	4
NuTech	5N-195	3000GT	95	252.4	16.2	0	33.9	750	5
NorthStar	NS96-103GENSS	STX	96	252.3	16.4	0	34.8	748	6
AgriGold	A6237STX	STX	98	252.3	16.8	0	33.5	746	7
AgriGold	A6199STXRIB	STX,B	95	252.2	16.9	0	34.8	745	8
Dairyland	DS-9701RA	STX,B	101	250.0	17.7	0	35.3	733	13
Titan Pro	TP 54-98 2P	VT2P,B	98	249.4	16.9	0	35.8	736	10
Channel	197-50VT2PRIB	VT2P,B	97	249.4	16.9	0	33.0	736	11
Renk	RK596SSTX	STX,B	98	248.4	17.8	0	32.1	728	15
Latham	LH4955VT2ProRIB	VT2P,B	99	248.2	16.0	0	34.8	738	9
NorthStar	NS100-464GENSSRIB	STX,B	100	248.1	16.6	0	32.1	734	12
Mustang	0598CONV	None	98	247.5	17.6	0	35.3	726	18
Enestvedt	E696SSRIB	STX,B	100	247.5	18.1	0	32.5	723	19
Latham	LH5099SS	STX	100	247.3	18.2	0	34.8	722	20
AgriGold	A6257STXRIB	STX,B	100	247.1	16.7	0	34.4	731	14
Renk	RK608DGV2P	VT2P,DG	100	246.1	16.7	0	34.4	728	16
Thunder	4600RR	RR2	100	245.5	16.5	0	34.8	727	17
Prairie Brand	5026RA	STX,B	100	243.9	17.1	0	32.1	719	21
Mustang	6800GENSS	STX	100	243.9	17.9	0	35.3	714	24
Titan Pro	TP 58-95 SS	STX,B	95	243.4	17.1	0	35.8	717	23
Renk	RK595SSTX	STX	99	242.5	17.8	0	36.2	711	27
Prairie Brand	4776RA	STX,B	97	242.3	16.4	0	34.4	718	22
NuTech	5N-800	3011,A	100	242.1	17.0	0	33.9	714	25
Dekalb	DKC49-72RIB GC	STX,B	99	239.9	16.9	0	33.9	708	29
NuTech/G2 Gen	X5Z-9501^	OI	95	239.6	16.4	0	31.1	710	28
Anderson	7995	None	95	238.6	15.4	0	32.5	713	26
Titan Pro	TP 65-00 2P	VT2P,DG	100	238.5	16.5	0	35.3	707	30
Wyffels	W2080	None	98	238.5	16.6	0	34.4	706	31
Dekalb	DKC50-84RIB CK	VT2P,B	100	259.8	17.1	0	33.0	766	1

Mark Querna

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

Averages = **236.6** **17.1** **0** **34.1** **698**

LSD (0.10) = 21.9 1.0 ns

LSD (0.25) = 15.3 0.7 ns

C.V. = 6.8 Prev. years average yield, 207.6 bu/a, 15 yrs

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

Test Comments: *A hard frost on May 13 had little effect on this plot as the corn was just emerging. The field surrounding this plot had some stand loss, and Brian reports that it was his lowest yielding field, averaging 232 bpa. Temps were moderate to ideal all season, with no killing frost. Brian credits a fungicide application with helping maintain plant health through harvest. Plants stood very well here.*

† 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: 10/26/2016 Revised:

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 FERTILITY - Applied N: 150 Fall, 50 Spring
 Applied N-P-K (units): 200-70-120
 SEEDING - RATE - ROW: Apr 23 35,600 /A 30" spacing
 HARVESTED - STAND: Oct 23 34,100 /A

Full-Season Test
101 - 104 Day CRM
 B2016MNSE08b

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-504^	AM,B	104	281.6	19.0	0	36.2	817	1
Channel	201-28VT2PRIB	VT2P,B	101	278.7	17.9	0	34.4	816	2
NuTech/G2 Gen	5Z-503^	OI	103	277.1	18.3	0	34.4	808	3
Channel	203-01STXRIB	STX,B	103	271.3	19.2	0	31.1	785	4
Viking	58-04N	None	104	265.6	19.3	4	34.4	768	8
Latham	LH5109SSRIB	STX,B	101	265.5	18.1	0	35.8	776	5
Dairyland	DS-9403	STX	103	265.0	19.3	5	35.8	767	10
AgriGold	A6267STXRIB	STX,B	102	264.5	18.8	0	35.3	768	9
NuTech/G2 Gen	5K-702^	OIXT	102	264.4	17.7	0	35.3	775	6
Titan Pro	TP 53-03 2P	VT2P,B	103	262.2	17.6	0	34.4	770	7
Channel	202-20STXRIB	STX,B	102	261.6	18.5	0	34.4	762	11
Federal	5370SSTAX	STX	103	260.7	19.1	0	33.5	755	14
Wyffels	W3228RIB	STX,B	103	260.3	18.7	0	35.8	757	13
Wyffels	W3076	VT2P	102	260.0	18.4	0	34.4	758	12
Renk	RK675DGV2P	VT2P,DG,B	103	260.0	18.9	0	32.1	755	15
Latham	LH5215VT2ProRIB	VT2P,B	102	260.0	19.5	3	35.8	751	17
Mustang	0404CONV	None	104	258.8	19.1	1	35.3	750	18
Anderson	5303	None	103	258.2	18.1	0	34.8	755	16
Dekalb	DKC53-68RIB GC	STX,B	103	258.2	19.0	0	35.3	749	19
AgriGold	A6346STX	STX	104	255.6	20.3	0	34.4	733	24
NuTech/G2 Gen	5Z-601^	OI,AQ	101	254.9	17.8	0	34.8	747	20
Dairyland	DS-9802	STX	102	254.3	17.7	0	35.3	746	21
Epley	E1410	None	104	253.1	18.6	1	35.8	737	22
Latham	LH5402RR	RR2	104	252.9	18.5	0	34.8	737	23
Dairyland	DS-9204	STX	104	252.3	19.4	0	33.9	729	28
Dyna-Gro	D43SS50	STX	103	251.9	19.3	0	34.8	729	29
CBseed	CBX1644 GC	None	105	251.9	19.7	0	32.1	726	30
Dahlman	R52-352SS	STX	104	251.7	18.5	0	34.4	733	25
Dekalb	DKC52-84RIB GC	STX,B	102	251.4	18.5	0	33.9	732	26
Renk	RK629VT3P	VT3P,B	101	250.7	18.5	0	34.4	730	27
Dekalb	DKC50-84RIB CK	VT2P,B	100	247.1	17.5	0	34.8	726	31

Mark Querna

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Averages = **248.3** **18.9** **1** **34.1** **721**

LSD (0.10) = 19.7 1.0 3

LSD (0.25) = 13.8 0.7 2

C.V. = 5.9 Prev. years average yield, 207.6 bu/a, 15 yrs

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

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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
AgriGold	A6199STXRIB	STX,B	AC,P5V	95	Prairie Brand	4776RA	STX,B	CM,C5,Vi,In	97
AgriGold	A6237STX	STX	AC,P5V	98	Prairie Brand	5026RA	STX,B	CM,C5,Vi,In	100
AgriGold	A6257STXRIB	STX,B	AC,P5V	100	Renk	RK595SSTX	STX	AC,P5V	99
Anderson	6284	None	MQ	98	Renk	RK596SSTX	STX,B	AC,P5V	98
Anderson	684R	RR2	MQ	98	Renk	RK608DGV2P	VT2P,DG	AC,P2	100
Anderson	795R	RR2	MQ	95	Renk	RK612SSTX	STX,B	AC,P5V	100
Anderson	7995	None	MQ	95	Thunder	4600RR	RR2	AC,P2	100
Channel	197-50VT2PRIB	VT2P,B	AC,P5V	97	Thunder	7396VT2PRIB	VT2P,B	AC,P2	96
Channel	199-29STXRIB	STX,B	AC,P5V	99	Titan Pro	TP 54-98 2P	VT2P,B	AC,P2	98
Channel	199-72STXRIB	STX,B	AC,P5V	99	Titan Pro	TP 58-95 SS	STX,B	AC,P5V	95
Curry	815-20AMX	AMX,B	MQ,P5V,R	95	Titan Pro	TP 65-00 2P	VT2P,DG	AC,P2	100
Curry	XC-1600YHR	OI	MQ,P1V,R	100	Titan Pro	TP 68-98 SS	STX	AC,P5V	98
Dahlman	R49-342SS	STX	AC,P5V	98	Viking	34-94N	None	CM,C2	94
Dahlman	R50-357SSRIB	STX,B	AC,P5V	100	Viking	58-98N	None	CM,C2	98
Dairyland	DS-9198RA	STX,B	CM,C5,Vi,In	98	Wyffels	W1556	VT2P	AC,P5V	95
Dairyland	DS-9599	3000GT	CM,C5,Vi,In	99	Wyffels	W1846	VT2P	AC,P5V	97
Dairyland	DS-9701RA	STX,B	CM,C2	101	Wyffels	W2080	None	AC,P5V	98
Dekalb	DKC49-72RIB GC	STX,B	AC,P5V	99	Wyffels	W2198	STX	AC,P5V	100
Dekalb	DKC50-84RIB CK	VT2P,B	AC,P2	100					
Dyna-Gro	D37SS60	STX	AC,P5V	97					
Enestvedt	E696SSRIB	STX,B	AC,P5	100					
Latham	LH4529SS	STX	AC,P5V	95					
Latham	LH4859SSRIB	STX,B	AC,P5V	98					
Latham	LH4955VT2ProRIB	VT2P,B	AC,P2	99					
Latham	LH5099SS	STX	AC,P5V	100					
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	0598CONV	None	AC,P2	98					
Mustang	0995CONV	None	AC,P2	95					
Mustang	6800GENSS	STX	AC,P5V	100					
NorthStar	NS100-464GENSSRIB	STX,B	AC,P5V	100					
NorthStar	NS96-103GENSS	STX	AC,P2	96					
NuTech	5N-195	3000GT	MQ,P5V,R	95					
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	X5Z-9501^	OI	MQ,P1V,R	95					
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					
Pioneer	P9526AMXT GC	AMXT,AQ,B	MQ,C2	95					
Pioneer	P9834AMX GC	AMX,B	MQ,C2	98					

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Full-Season Test Products (63 Total)

Company/Brand	Product/Brand	Technol.	Seed Trt.	RM	Company/Brand	Product/Brand	Technol.	Seed Trt.	RM
AgriGold	A6267STXRIB	STX,B	AC,P5V	102	Prairie Brand	5127SX	STX	CM,C5,Vi,In	101
AgriGold	A6346STX	STX	AC,P5V	104	Prairie Brand	5385RA	STX,B	CM,C5,Vi,In	103
AgriGold	A6355STXRIB	STX,B	AC,P5V	105	Prairie Brand	5406SX	STX	CM,C5,Vi,In	104
Anderson	5303	None	MQ	103	Renk	RK629VT3P	VT3P,B	AC,P2	101
Anderson	533R	RR2	MQ	103	Renk	RK666SSTX	STX,B	AC,P5V	102
Anderson	6073	None	MQ	101	Renk	RK675DGV2P	VT2P,DG,B	AC,P2	103
CBseed	CBX1644 GC	None	CM,C2,Vi	105	Renk	RK680SSTX	STX,B	AC,P5V	103
CBseed	CBX6549	None	CM,C2,Vi	103	Thunder	7603SSRIB	STX,B	AC,P2	103
CBseed	CBX6A3311SK	None	CM,C2,Vi	104	Titan Pro	TP 31-01 3011A	3011,A	CM,C2	101
CBseed	CBX6A3320SK GC	None	CM,C2,Vi	105	Titan Pro	TP 53-03 2P	VT2P,B	AC,P2	103
CBseed	CBX6A3811SK	None	CM,C2,Vi	103	Titan Pro	TP 58-01 2P	VT2P,B	AC,P2	101
CBseed	CBX6A3820SK	None	CM,C2,Vi	104	Titan Pro	TP 67-02 SS	STX	AC,P2	102
Channel	201-28VT2PRIB	VT2P,B	AC,P5V	101	Viking	57-01N	None	CM,C2	101
Channel	202-20STXRIB	STX,B	AC,P5V	102	Viking	58-04N	None	CM,C2	104
Channel	202-52STXRIB	STX,B	AC,P5V	102	Wyffels	W1968	STX	AC,P5V	101
Channel	203-01STXRIB	STX,B	AC,P5V	103	Wyffels	W2488RIB	STX,B	AC,P5V	101
Curry	722-49AM	AM,B	MQ,P5V,R	102	Wyffels	W3076	VT2P	AC,P5V	102
Curry	923-83AMXT	AMXT,B	MQ,P5V,R	103	Wyffels	W3228RIB	STX,B	AC,P5V	103
Dahlman	R52-328SSRIB	STX,B	AC,P5V	103					
Dahlman	R52-352SS	STX	AC,P5V	104					
Dairyland	DS-9204	STX	CM,C5,Vi,In	104					
Dairyland	DS-9403	STX	CM,C5,Vi,In	103					
Dairyland	DS-9802	STX	CM,C5,Vi,In	102					
Dekalb	DKC50-84RIB CK	VT2P,B	AC,P2	100					
Dekalb	DKC52-84RIB GC	STX,B	AC,P5V	102					
Dekalb	DKC53-68RIB GC	STX,B	AC,P5V	103					
Dyna-Gro	D43SS50	STX	AC,P5V	103					
Dyna-Gro	D44VC40	VT2P	AC,P5V	104					
Epley	E1410	None	MQ	104					
Federal	5370SSTAX	STX	AC,P5V	103					
Latham	EX5339SS	STX	AC,P5V	103					
Latham	LH5109SSRIB	STX,B	AC,P5V	101					
Latham	LH5215VT2ProRIB	VT2P,B	AC,P2	102					
Latham	LH5402RR	RR2	AC,P2	104					
LG Seeds	LG5507STXRIB	STX,B	AC,P5V	103					
Mustang	0404CONV	None	AC,P2	104					
NorthStar	NS102-168DGV2P	VT2P,DG	AC,P2	102					
NuTech/G2 Gen	5F-504^	AM,B	MQ,P5V,R	104					
NuTech/G2 Gen	5K-702^	OIXT	MQ,P1V,R	102					
NuTech/G2 Gen	5Z-503^	OI	MQ,P1V,R	103					
NuTech/G2 Gen	5Z-601^	OI,AQ	MQ,P1V,R	101					
Pfister	2385RASS	STX,B	CM,C5,Vi,In	104					
Pfister	61C1VX	HXT,RR2	CM,C5,Vi,In	101					
Pfister	62A1VX	HXT,RR2	CM,C5,Vi,In	102					
Pfister	X14503VX	HXT,RR2	CM,C5,Vi,In	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.