

2017 Corn Grain Top 30 Harvest Report

Minnesota East Central [MNEC] ST. CLOUD
Tom Wipper, Sherburne County, MN 56304



Test by: NewVenture, LLC, Ellendale, MN

PREV. CROP/HERB: Soybean
SOIL DESCRIPTION: Mahtomedi loamy sand, well drained, irrigated
SOIL CONDITION: Conventional w/o fall till, very high P, medium K, 6 pH, 0.9% OM, 6.8 CEC
PEST MANAGEMENT: Precept, Roundup, dicamba
FERTILITY - Applied N: 11 Planter, 120 Side, 14 Foliar
Applied N-P-K (units): 145-80-0
SEEDING - RATE - ROW: May 23 35,080 /A 30" spacing
HARVESTED - STAND: Nov 14 34,400 /A

Early-Season Test

94 - 99 Day CRM
B2017MNEC05a

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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
Thunder	6794VT2PRIB	VT2P,B	94	178.7	20.4	0	34.8	494	1
Hefty	H4812VT2P	VT2P	98	173.0	19.0	0	34.4	484	2
Proseed	PX694VT2PRIB	VT2P,B	94	172.4	19.9	0	34.8	479	3
Renk	RK595SSTX	STX,B	99	169.8	20.8	0	34.8	468	4
Renk	RK568VT3P	VT3P,B	95	166.6	19.9	0	34.4	463	5
NuTech/G2 Gen	5FN-6097^	OI	97	166.2	20.3	0	34.8	460	7
Titan Pro	TP 78-98 SS	STX	98	165.7	19.3	0	34.4	463	6
Thunder	6798VT2PRIB	VT2P,B	98	165.5	20.2	0	34.8	458	9
Dairyland	DS-7294	3110	94	165.4	19.8	0	33.9	460	8
Latham	LH4657VT2Pro GC	VT2P	96	163.9	20.5	0	33.9	453	11
Hefty	H4912VT2P	VT2P	99	163.8	19.3	0	34.8	457	10
NuTech/G2 Gen	5F-196^	AM,B	96	163.4	20.6	0	34.4	451	15
Anderson	669SRC	STX,B	97	163.2	20.1	0	34.8	452	12
Thunder	4695RR	RR2	95	163.1	20.1	0	34.8	452	13
Golden Harvest	G94U87-3110A	3110,A	94	162.3	19.7	0	33.9	452	14
Proseed	GX695-3000GT	3000GT	95	160.4	19.7	0	33.9	446	16
Proseed	1591VT2PRIB	VT2P,B	91	159.0	19.4	0	34.8	444	17
Hefty	H4904SSRIB	STX,B	99	158.6	21.6	0	34.4	434	20
Mustang	3894SSRIB	STX,B	94	156.8	19.4	0	34.4	437	18
Federal	4880VT2P	VT2P	98	156.8	19.4	0	34.8	437	19
NK Brand	NK9738-3110	3110	97	154.9	19.6	0	34.8	431	21
Pioneer	P9608AMXT GC	AMXT,B	96	154.6	20.7	0	33.9	426	24
Dekalb	DKC44-13RIB GC	STX,B	94	153.8	19.8	0	34.8	428	23
Mustang	5299VT2PRIB	VT2P,B	99	153.7	19.0	0	34.4	430	22
Mustang	4895SSRIB	STX,B	95	150.6	20.3	0	34.4	417	26
Thunder	7396VT2PRIB	VT2P,B	96	150.1	19.5	0	33.9	418	25
Titan Pro	TP 71-98 2P	VT2P	98	149.1	20.2	0	33.4	413	28
Titan Pro	TP 61-94 3110A	3110,A	94	148.1	19.4	0	33.9	413	29
Mustang	3895SSRIB	STX,B	95	147.4	19.4	0	34.4	411	30
Hefty	H4612VT2P	VT2P	96	147.2	20.6	0	34.8	406	31
Dekalb	DKC46-36RIB CK	STX,B	96	150.7	20.6	0	34.8	416	27
Averages =				153.1	20.1	0	34.4	425	
LSD (0.10) =				22.0	0.7	1			
LSD (0.25) =				11.5	0.3	0			
C.V. =				13.6					
Ed Dahle				New test site, no yield history					
ed.dahle@firstseedtests.com, (507) 456-6624									

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$2.90; non-GMO = \$2.90

Test Comments: *This test site is in a slightly rolling, very sandy, irrigated field. Tom, our host grower, said that heat was very hard to come by this growing season. The corn looked good in September, but developmentally was behind schedule and needed more heat to reach maturity. Use early-season test results cautiously as soil was more gravelly, resulting in lower and more variable yield vs. the full-season test.*

† 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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FERTILITY - Applied N: 11 Planter, 120 Side, 14 Foliar
Applied N-P-K (units): 145-80-0
SEEDING - RATE - ROW: May 23 35,080 /A 30" spacing
HARVESTED - STAND: Nov 14 34,600 /A

Full-Season Test
100 - 103 Day CRM
B2017MNEC05b

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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
Federal	5370VT2PRIB	VT2P,B	103	193.5	20.3	0	34.8	536	1
Hefty	H5214SS	STX	102	188.6	21.0	0	34.8	519	3
LG Seeds	LG5505STX	STX	102	187.0	20.4	0	34.8	517	4
Latham	LH5215VT2ProRIB GC	VT2P,B	102	185.5	22.6	0	34.8	503	5
Titan Pro	TP 75-01 SS	STX	101	177.9	20.3	0	34.4	492	6
Mustang	5700VT2PDGRIB	VT2P,DG,B	100	176.1	21.8	0	34.4	481	7
Titan Pro	TP 65-00 2P	VT2P,DG	100	175.7	21.6	0	34.8	481	8
Hefty	H5302VT2PRIB	VT2P,B	103	175.3	21.7	0	34.8	479	10
Dairyland	DS-9701RA	STX,B	101	175.3	21.8	0	34.8	479	11
Latham	LH5245VT2Pro GC	VT2P	102	175.1	21.3	0	34.8	480	9
Renk	RK642SSTX	STX	103	173.5	20.7	0	34.4	478	12
Renk	RK675DGV2P	VT2P,DG,B	103	173.2	21.4	0	33.9	475	13
Mustang	6701-3011A	3011,A	101	173.1	21.5	0	34.8	474	14
Peterson Seed	72D00 GC	VT2P,DG,B	100	172.4	22.0	0	34.4	470	15
NuTech/G2 Gen	5F-503^	AM,B	103	171.3	21.5	0	35.3	469	16
Mustang	6800SSRIB	STX,B	100	168.6	21.7	0	34.4	461	17
Golden Harvest	G01D24-3120-EZR	3120,B	101	167.4	21.1	0	34.8	460	18
Thunder	4600RR	RR2	100	167.2	21.6	1	34.8	457	20
Wyffels	W2198RIB GC	STX,B	100	165.3	19.8	0	34.4	460	19
Anderson	611SRC	STX,B	101	164.3	21.8	0	34.4	449	21
Pioneer	P9929AMXT GC	AMXT,B	99	163.8	21.5	0	34.4	448	22
Hefty	H5003VT2PDGRIB	VT2P,DG,B	100	163.3	21.8	0	34.8	446	23
Federal	5280VT2P	VT2P	102	162.1	21.1	0	35.3	445	24
Renk	RK680SSTX	STX,B	103	160.2	21.7	0	34.4	438	26
Mustang	7801SSRIB	STX,B	101	159.2	20.3	0	34.8	441	25
Anderson	611VT2P	VT2P,B	101	158.8	21.5	0	34.4	435	27
Thunder	7603SSRIB	STX,B	103	157.4	22.0	0	34.8	429	28
NuTech	5N-800	3011,A	100	155.9	21.9	0	34.4	425	30
NuTech/G2 Gen	5F-601^	AM,AQ,B	101	155.8	22.3	0	34.8	423	31
Hefty	H5114SS	STX	101	154.0	20.3	0	34.4	426	29
Dekalb	DKC46-36RIB CK	STX,B	96	189.7	21.3	0	34.4	520	2
Averages =				166.3	21.4	0	34.6	456	
LSD (0.10) =				17.9	0.5	ns			
LSD (0.25) =				9.4	0.3	ns			
C.V. =				10.2					
Ed Dahle				New test site, no yield history					
ed.dahle@firstseedtests.com, (507) 456-6624									

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Early-Season Test Products (42 Total)

Company/Brand	Product/Brand	Technol.	Seed Trt.	RM	Company/Brand	Product/Brand	Technol.	Seed Trt.	RM
Anderson	669SRC	STX,B	AC,P2	97					
Anderson	675VT2P	VT2P,B	AC,P2	98					
Anderson	684R	RR2	MQ	98					
Anderson	795R	RR2	MQ	95					
Dairyland	DS-7294	3110	CM,C5,Vi,In	94					
Dairyland	DS-9599	3000GT	CM,C5,Vi,In	99					
Dekalb	DKC44-13RIB GC	STX,B	AC,P5V	94					
Dekalb	DKC46-36RIB CK	STX,B	AC,P5V	96					
Federal	4880VT2P	VT2P	AC,P5V	98					
Federal	5060SSTAXRIB	STX,B	AC,P5V	100					
Golden Harvest	G94U87-3110A	3110,A	AVC,C2,Vi	94					
Golden Harvest	G96V99-3120-EZR	3120,B	AVC,C2,Vi	96					
Hefty	H4612VT2P	VT2P	AC,P2,In	96					
Hefty	H4812VT2P	VT2P	AC,P2,In	98					
Hefty	H4904SSRIB	STX,B	AC,P5V,In	99					
Hefty	H4912VT2P	VT2P	AC,P2,In	99					
Latham	LH4657VT2Pro GC	VT2P	AC,P5V	96					
LG Seeds	LG5494VT2P	VT2P	AC,P5V	99					
Mustang	3894SSRIB	STX,B	AC,P2	94					
Mustang	3895SSRIB	STX,B	AC,P2	95					
Mustang	4895SSRIB	STX,B	AC,P2	95					
Mustang	5299VT2PRIB	VT2P,B	AC,P2	99					
NK Brand	NK9738-3110	3110	AVC,C2,Vi	97					
NuTech/G2 Gen	5F-196^	AM,B	MQ,P5V,R	96					
NuTech/G2 Gen	5FN-5096^	OI	MQ,P1V,R	96					
NuTech/G2 Gen	5FN-6097^	OI	MQ,P1V,R	97					
NuTech/G2 Gen	5FN-7099^	OI	MQ,P1V,R	99					
Pioneer	P9608AMXT GC	AMXT,B	MQ,C2,Lu	96					
Proseed	1591VT2PRIB	VT2P,B	AC,P2	91					
Proseed	1598VT2PRIB	VT2P,B	AC,P2	98					
Proseed	GX695-3000GT	3000GT	CM,C2	95					
Proseed	PX694VT2PRIB	VT2P,B	AC,P2	94					
Renk	RK568VT3P	VT3P,B	AC,P5V	95					
Renk	RK595SSTX	STX,B	AC,P5V	99					
Renk	RK596SSTX	STX,B	AC,P5V	98					
Thunder	4695RR	RR2	AC,P2	95					
Thunder	6794VT2PRIB	VT2P,B	AC,P2	94					
Thunder	6798VT2PRIB	VT2P,B	AC,P2	98					
Thunder	7396VT2PRIB	VT2P,B	AC,P2	96					
Titan Pro	TP 61-94 3110A	3110,A	?	94					
Titan Pro	TP 71-98 2P	VT2P	AC,P2	98					
Titan Pro	TP 78-98 SS	STX	AC,P5V	98					

2017 Corn Grain - Minnesota East Central [MNEC]



Full-Season Test Products (36 Total)

Company/Brand	Product/Brand	Technol.	Seed Trt.	RM	Company/Brand	Product/Brand	Technol.	Seed Trt.	RM
Anderson	611SRC	STX,B	AC,P2	101					
Anderson	611VT2P	VT2P,B	AC,P2	101					
Dairyland	DS-9701RA	STX,B	CM,C5,Vi,In	101					
Dairyland	DS-9802RA	STX,B	CM,C5,Vi,In	102					
Dekalb	DKC46-36RIB CK	STX,B	AC,P5V	96					
Federal	5280VT2P	VT2P	AC,P5V	102					
Federal	5370VT2PRIB	VT2P,B	AC,P2	103					
Golden Harvest	G01D24-3120-EZR	3120,B	AVC,C2,Vi	101					
Hefty	H5003VT2PDGRIB	VT2P,DG,B	AC,P2,In	100					
Hefty	H5114SS	STX	AC,P5V,In	101					
Hefty	H5214SS	STX	AC,P5V,In	102					
Hefty	H5302VT2PRIB	VT2P,B	AC,P2,In	103					
Latham	LH5215VT2ProRIB GC	VT2P,B	AC,P2	102					
Latham	LH5245VT2Pro GC	VT2P	AC,P5V	102					
LG Seeds	LG5505STX	STX	AC,P5V	102					
Mustang	5700VT2PDGRIB	VT2P,DG,B	AC,P2	100					
Mustang	6701-3011A	3011,A	AC,P2	101					
Mustang	6800SSRIB	STX,B	AC,P2	100					
Mustang	7801SSRIB	STX,B	AC,P2	101					
NuTech	5N-800	3011,A	MQ,P5V,R	100					
NuTech/G2 Gen	5F-503^	AM,B	MQ,P5V,R	103					
NuTech/G2 Gen	5F-601^	AM,AQ,B	MQ,P5V,R	101					
NuTech/G2 Gen	5F-702^	AM,B	MQ,P5V,R	102					
NuTech/G2 Gen	X5LN-0308^	OIXT,AQ	MQ,P1V,R	103					
Peterson Seed	72D00 GC	VT2P,DG,B	AC,P2	100					
Pioneer	P0157AMX GC	AMX,AQ,B	MQ,C2,R	101					
Pioneer	P9929AMXT GC	AMXT,B	MQ,C2,R,Lu	99					
Renk	RK642SSTX	STX	AC,P5V	103					
Renk	RK675DGV2P	VT2P,DG,B	AC,P2	103					
Renk	RK680SSTX	STX,B	AC,P5V	103					
Thunder	4600RR	RR2	AC,P2	100					
Thunder	7603SSRIB	STX,B	AC,P2	103					
Titan Pro	TP 61-01 3122A	3122,A,B	CM,C2	101					
Titan Pro	TP 65-00 2P	VT2P,DG	AC,P2	100					
Titan Pro	TP 75-01 SS	STX	AC,P5V	101					
Wyffels	W2198RIB GC	STX,B	AC,P5V	100					

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)	GT	Agrisure [®] GT
3010	Agrisure [®] 3010 (CB,LL,GT)	HX	Herculex [®] 1, contains LL
3011,A	Agrisure [®] Artesian [®] (CB,RW,LL,GT)	HXRW	Herculex [®] Rootworm, contains LL
3110	Agrisure [®] Viptera [®] 3110 (Vip, CB,LL,GT)	HXT	Herculex [®] Xtra (HX,HXRW,LL)
3111	Agrisure [®] Viptera [®] 3111 (Vip,CB,RW,LL,GT)	LL	LibertyLink [®]
3120	Agrisure [®] 3120 (CB,HX,LL,GT)	None	conventional corn
3122	Agrisure [®] 3122 (CB,HXX,RW,LL,GT)	OI	Optimum [®] Intrasect [®] , YHR (YGCB,HX,LL,RR2)
3220	Agrisure [®] Viptera [®] 3220 (Vip,CB,HX,LL,GT)	OIX	Optimum [®] Intrasect [®] Xtra, YXR (YGCB,HXT,LL,RR2)
A	Agrisure [®] Artesian [®]	OIXT	Optimum [®] Intrasect [®] Xtreme (YGCB,HXT,RW,LL,RR2)
AM	Optimum [®] AcreMax [®] (YGCB,HX,LL,RR2)	PC	PowerCore™ (HX, VT2P)
AMT	Optimum [®] AcreMax [®] TRIsect (HX,RW,LL,RR2)	RR2	Roundup Ready [®] 2 Corn
AMX	Optimum [®] AcreMax [®] Xtra (YGCB,HXT,LL,RR2)	RW	Agrisure [®] Rootworm
AMXT	Optimum [®] AcreMax [®] Xtreme (YGCB,HXT,RW,LL,RR2)	STX	SmartStax [®] (VT3P,HXT,RR2,LL)
AQ	Optimum [®] AQUAMax [®]	VT2P	Genuity [®] VT Double PRO [®]
B	Refuge Blend	VT3P	Genuity [®] VT Triple PRO [®]
CB	Agrisure [®] Corn Borer	YGCB	YieldGard [®] Corn Borer
DG	Genuity [®] DroughtGard [®]		

* The refuge component genetics may vary in a refuge blend seed product.

Corn Seed Treatments**

?	information unavailable	In	Intego™ Solo
A	Allegiance [®]	L	Lorsban [®]
AC	Acceleron [®] fungicide products	Lu	Lumivia™
AL2500	Alert 2500™	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	SC	SHIELDCoat™
D	Dynasty [®]	V	Votivo [®]
Es	Escalate [®]	Vi	Vibrance [®]

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