

2017 Corn Grain Top 30 Harvest Report
 Minnesota East Central [MNEC] TAYLORS FALLS
 Sandberg Farms, Chisago County, MN 55084



PREV. CROP/HERB: Soybean
 SOIL DESCRIPTION: Nebish-Cordova loam, well drained, non-irrigated
 SOIL CONDITION: Conventional w/ fall till, high P, very high K, 5.8 pH, 3.1% OM, 11.5 CEC
 PEST MANAGEMENT: Precept, Halex GT, Buccaneer, atrazine
 FERTILITY - Applied N: 129 Spring
 Applied N-P-K (units): 129-0-0
 SEEDED - RATE - ROW: May 13 35,080 /A 30" spacing
 HARVESTED - STAND: Nov 15 34,500 /A

Early-Season Test
94 - 99 Day CRM
 B2017MNEC04a

Top 30 of 42
 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
Proseed	PX694VT2PRIB	VT2P,B	94	230.8	20.9	0	34.8	658	1
Thunder	6794VT2PRIB	VT2P,B	94	229.2	20.9	0	34.8	654	2
NuTech/G2 Gen	5F-196^	AM,B	96	228.0	21.1	0	34.4	649	4
Thunder	4695RR	RR2	95	227.7	21.4	0	34.8	647	5
LG Seeds	LG5494VT2P	VT2P	99	227.1	21.1	0	34.8	647	6
Mustang	3894SSRIB	STX,B	94	220.6	20.9	0	34.4	629	7
Dairyland	DS-7294	3110	94	219.5	20.6	0	34.8	628	8
Renk	RK568VT3P	VT3P,B	95	217.6	21.5	0	34.4	617	9
Hefty	H4612VT2P	VT2P	96	216.9	21.6	0	34.8	615	10
Hefty	H4912VT2P	VT2P	99	215.3	21.0	0	34.8	614	11
Latham	LH4657VT2Pro GC	VT2P	96	213.1	21.9	0	34.8	603	15
Hefty	H4812VT2P	VT2P	98	213.0	21.4	0	34.4	605	13
NK Brand	NK9738-3110	3110	97	212.7	21.4	0	34.8	604	14
NuTech/G2 Gen	5FN-7099^	OI	99	212.5	21.9	0	34.4	601	17
Mustang	5299VT2PRIB	VT2P,B	99	212.1	20.6	0	34.4	607	12
Proseed	1598VT2PRIB	VT2P,B	98	211.2	20.8	0	34.4	603	16
Mustang	4895SSRIB	STX,B	95	211.0	21.2	0	34.8	600	18
Federal	4880VT2P	VT2P	98	210.0	20.9	0	34.4	599	20
Thunder	6798VT2PRIB	VT2P,B	98	209.9	20.6	0	34.8	600	19
Anderson	795R	RR2	95	209.1	21.7	0	34.4	592	23
NuTech/G2 Gen	5FN-5096^	OI	96	208.9	21.2	0	33.4	594	22
Thunder	7396VT2PRIB	VT2P,B	96	208.8	20.3	0	34.4	599	21
Hefty	H4904SSRIB	STX,B	99	208.1	21.9	0	34.8	588	24
Titan Pro	TP 71-98 2P	VT2P	98	206.2	21.8	0	34.4	584	25
Federal	5060SSTXRIB	STX,B	100	204.5	22.6	0	34.4	575	31
Pioneer	P9608AMXT GC	AMXT,B	96	204.2	21.0	0	34.8	582	26
Renk	RK595SSTX	STX,B	99	204.2	21.3	0	34.8	580	27
Proseed	1591VT2PRIB	VT2P,B	91	203.4	21.2	0	34.4	579	28
Mustang	3895SSRIB	STX,B	95	202.8	20.9	0	34.4	578	29
Titan Pro	TP 61-94 3110A	3110,A	94	201.3	20.5	0	34.8	576	30
Dekalb	DKC46-36RIB CK	STX,B	96	229.4	21.6	0	34.8	650	3
Averages =				208.7	21.2	0	34.5	594	
LSD (0.10) =				12.5	0.6	ns			
LSD (0.25) =				6.6	0.3	ns			
C.V. =				5.7					
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 = \$3.00; non-GMO = \$3.00

Test Comments: *This site was planted in near perfect conditions. This corn was very tall, some plants were taller than the combine. Ear placement on some plants was head high. This plot was very uniform throughout. The stand was very good and very little stalk lodging observed. Overall a very good plot. The Sandberg's, our host farmers, said that there was plenty of rain this summer but it was short on heat.*

† 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

Additional reports available at www.firstseedtests.com

©2017, all rights reserved by Elite Field Genetics, LLC

Report Date: 11/16/2017 Revised:

2017 Corn Grain Top 30 Harvest Report
 Minnesota East Central [MNEC] TAYLORS FALLS
 Sandberg Farms, Chisago County, MN 55084



PREV. CROP/HERB: Soybean
 SOIL DESCRIPTION: Nebish-Cordova loam, well drained, non-irrigated
 SOIL CONDITION: Conventional w/ fall till, high P, very high K, 5.8 pH, 3.1% OM, 11.5 CEC
 PEST MANAGEMENT: Precept, Halex GT, Buccaneer, atrazine
 FERTILITY - Applied N: 129 Spring
 Applied N-P-K (units): 129-0-0
 SEEDING - RATE - ROW: May 13 35,080 /A 30" spacing
 HARVESTED - STAND: Nov 15 34,600 /A

Full-Season Test
100 - 103 Day CRM
 B2017MNEC04b

Top 30 of 36
 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	LG5505STX	STX	102	233.4	21.0	0	35.3	665	1
Federal	5370VT2PRIB	VT2P,B	103	233.4	21.3	1	34.4	663	2
Hefty	H5214SS	STX	102	232.9	22.0	0	34.8	658	3
Latham	LH5245VT2Pro GC	VT2P	102	232.7	22.5	0	34.8	654	5
Renk	RK642SSTX	STX	103	231.3	21.3	0	34.4	657	4
NuTech	5N-800	3011,A	100	231.3	22.6	0	34.4	650	7
Hefty	H5302VT2PRIB	VT2P,B	103	230.5	22.0	0	34.8	651	6
Mustang	6701-3011A	3011,A	101	229.2	22.4	0	34.8	645	8
Mustang	5700VT2PDGRIB	VT2P,DG,B	100	228.8	22.6	0	35.3	643	9
Latham	LH5215VT2ProRIB GC	VT2P,B	102	228.7	22.5	0	34.8	643	10
NuTech/G2 Gen	5F-601^	AM,AQ,B	101	226.3	21.3	0	34.8	643	12
Wyffels	W2198RIB GC	STX,B	100	224.6	21.3	0	34.4	638	13
Federal	5280VT2P	VT2P	102	223.3	22.2	0	34.8	630	15
NuTech/G2 Gen	5F-503^	AM,B	103	222.7	21.6	0	33.4	631	14
Titan Pro	TP 75-01 SS	STX	101	221.7	21.7	0	34.4	628	16
Peterson Seed	72D00 GC	VT2P,DG,B	100	221.3	22.4	0	34.8	623	18
Mustang	6800SSRIB	STX,B	100	221.2	22.1	0	34.8	624	17
Titan Pro	TP 65-00 2P	VT2P,DG	100	220.1	22.1	0	34.8	621	19
Hefty	H5003VT2PDGRIB	VT2P,DG,B	100	216.7	22.6	0	35.3	609	20
Renk	RK680SSTX	STX,B	103	215.1	22.6	0	34.8	604	23
Anderson	611VT2P	VT2P,B	101	214.5	21.6	0	33.9	608	21
Mustang	7801SSRIB	STX,B	101	213.8	21.9	0	34.4	605	22
Renk	RK675DGV2P	VT2P,DG,B	103	213.6	21.8	0	34.8	604	24
Pioneer	P0157AMX GC	AMX,AQ,B	101	212.8	22.3	0	33.4	600	25
Anderson	611SRC	STX,B	101	209.4	22.4	0	34.4	589	26
Thunder	7603SSRIB	STX,B	103	209.3	22.8	0	34.4	587	27
Hefty	H5114SS	STX	101	204.5	22.0	0	34.8	578	28
Pioneer	P9929AMXT GC	AMXT,B	99	204.1	22.0	0	33.9	577	29
NuTech/G2 Gen	5F-702^	AM,B	102	200.6	22.2	0	34.8	566	30
Thunder	4600RR	RR2	100	198.4	21.5	4	34.4	563	31
Dekalb	DKC46-36RIB CK	STX,B	96	226.6	21.5	0	34.8	643	11
Averages =				216.7	22.1	0	34.6	612	
LSD (0.10) =				15.0	0.5	1			
LSD (0.25) =				7.8	0.3	1			
C.V. =				6.5					
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 = \$3.00; non-GMO = \$3.00

Test Comments: *This site was planted in near perfect conditions. This corn was very tall, some plants were taller than the combine. Ear placement on some plants was head high. This plot was very uniform throughout. The stand was very good and very little stalk lodging observed. Overall a very good plot. The Sandberg's, our host farmers, said that there was plenty of rain this summer but it was short on heat.*

† 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

Additional reports available at www.firstseedtests.com

©2017, all rights reserved by Elite Field Genetics, LLC

Report Date: 11/16/2017 Revised:

2017 Corn Grain - Minnesota East Central [MNEC]



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. VPM [®] 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 [®] , VPM [®] 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.