

2017 Corn Grain Top 30 Harvest Report
 Minnesota Southeast [MNSE] CANNON FALLS
 Marc Hernke, Goodhue County, MN 55009



PREV. CROP/HERB: Corn, 2+ Yr / SureStart, atrazine, Status
 SOIL DESCRIPTION: Port Byron silt loam, mod. well drained, non-irrigated
 SOIL CONDITION: Conventional w/ fall till, high P, high K, 7.7 pH, 3.2% OM, 16 CEC
 PEST MANAGEMENT: Force, Status, atrazine
 FERTILITY - Applied N: 190 Fall
 Applied N-P-K (units): 190-230-170
 SEEDING - RATE - ROW: May 11 35,318 /A 30" spacing
 HARVESTED - STAND: Nov 8 33,800 /A

Early-Season Test
95 - 100 Day CRM
 B2017MNSE09a

Top 30 of 56
 For Gross Income (Sorted by Yield)
 Average of (4) Replications

Company/Brand	Product/Brand†	Technol.†	RM	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Pfister	1785GT3	3000GT	98	279.4	18.7	0	34.4	854	1
Viking	89-99N Art	None,A	99	274.9	18.8	0	35.1	840	2
Golden Harvest	G96V99-3120-EZR	3120,B	96	267.9	18.2	0	34.4	822	3
Wyffels	W2198RIB	STX,B	100	265.2	18.4	0	34.0	813	4
Viking	57-01N	None	101	264.9	18.8	0	34.0	809	5
Hefty	H4812VT2P	VT2P	98	264.4	18.6	0	32.0	809	6
Mustang	429VT2PRIB	VT2P,B	97	264.0	19.1	0	34.7	805	7
Mustang	5700VT2PDGRIB	VT2P,DG,B	100	262.2	19.1	0	34.0	799	10
Viking	44-98	None	98	261.2	18.3	0	34.4	801	8
Dyna-Gro	D39DC43	VT2P,DG	99	260.8	18.7	0	33.7	797	11
LG Seeds	LG5465VT2P	VT2P	97	260.5	18.2	0	33.7	800	9
Renk	RK612SSTX	STX,B	100	260.3	18.7	0	33.0	796	12
Golden Harvest	G97N86-3110	3110	97	256.9	18.2	0	34.7	789	13
Renk	RK608DGV2P	VT2P,DG,B	100	256.9	19.0	0	33.7	784	15
Golden Harvest	G94U87-3110A	3110,A	94	256.8	18.4	0	34.7	787	14
Latham	LH4919SS	STX	99	255.9	18.7	0	33.7	782	16
NorthStar	NS100-464GENSSRIB	STX,B	100	254.8	19.0	0	32.3	777	17
Enestvedt	E696SSRIB	STX,B	100	253.9	19.1	0	35.1	774	19
NuTech/G2 Gen	5F-196^	AM,B	96	253.0	18.3	0	32.0	776	18
LG Seeds	LG5494VT2P	VT2P	99	253.0	18.8	0	34.0	773	20
Latham	LH5099SSRIB	STX,B	100	253.0	19.1	0	34.7	771	22
Titan Pro	TP 65-00 2P	VT2P,DG	100	252.2	18.9	0	34.4	770	23
Anderson	6284	None	98	251.1	18.1	0	34.7	772	21
Wyffels	W1886	VT2P	97	250.3	17.9	0	34.7	770	24
NuTech	5N-800	3011,A	100	250.0	19.1	0	34.4	762	25
Mustang	6800SSRIB	STX,B	100	249.4	19.0	0	34.0	761	27
Hefty	H4912VT2P	VT2P	99	247.5	17.9	0	34.4	762	26
NuTech/G2 Gen	5FN-5096^	OI	96	247.3	18.6	0	34.0	757	28
Pfister	1740RASS	STX,B	98	246.6	18.7	0	33.0	754	29
Blue River	38G54	None	96	244.7	18.3	0	32.3	751	31
Pioneer	P9929AMXT CK	AMXT,B	99	245.4	18.3	0	34.4	753	30

Mark Querna
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Averages =	245.1	18.5	0	33.8	751
LSD (0.10) =	14.6	0.6	ns		
LSD (0.25) =	7.7	0.3	ns		
C.V. =	6.6	Prev. years average yield, 201.1 bu/a, 16 yrs			

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$3.15; non-GMO = \$3.15

Test Comments: *Planting conditions were ideal, but a two-week mid-May cold snap caused corn to turn yellow and the yield potential looked bleak. Moderate temps and timely rainfall, coupled with a long growing season (Oct 26 frost) allowed this corn to flourish. Every hybrid stood perfectly at harvest. Mark reports that his yield averages are 10-15 bpa better than 2016, but corn is 3-5 points wetter this year.*

† 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: 190 Fall
 Applied N-P-K (units): 190-230-170
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 HARVESTED - STAND: Nov 8 34,100 /A

Full-Season Test
101 - 104 Day CRM
 B2017MNSE09b

Top 30 of 56
 For Gross Income (Sorted by Yield)
 Average of (4) Replications

Company/Brand	Product/Brand†	Technol.†	RM	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Jacobsen Seed	JS4249	None	104	290.4	20.6	0	34.4	874	1
Wyffels	W4196	VT2P	105	286.2	20.7	0	35.4	861	2
Renk	RK642SSTX	STX	103	282.4	20.1	0	33.7	854	3
Golden Harvest	G05B91-3010	3010	105	280.8	20.7	0	33.4	845	4
Viking	72-04N	None	104	278.6	20.1	0	34.7	842	5
Hefty	H5214SS	STX	102	278.3	20.0	0	33.4	842	6
Golden Harvest	G03C84-3120-EZR	3120,B	103	276.4	21.4	0	34.4	826	12
Golden Harvest	G01D24-3120-EZR	3120,B	101	275.2	19.9	0	34.7	833	7
Latham	LH5402RR	RR2	104	273.9	20.1	0	35.1	828	9
Dairyland	DS-9804SSX	STX	104	273.8	19.9	0	33.7	829	8
Mustang	7803SSRIB	STX,B	103	273.4	20.0	0	35.1	827	10
Dekalb	DKC54-36	None	104	273.1	19.8	0	34.0	827	11
Blue River	51T59	None	103	269.7	20.7	0	34.4	811	15
AgriGold	A6267STXRIB	STX,B	102	268.3	20.0	0	34.7	812	13
LG Seeds	LG5499STXRIB	STX,B	100	267.6	19.6	0	33.7	812	14
Hefty	H5114SS	STX	101	266.4	19.3	0	32.0	811	16
Latham	LH5245VT2Pro	VT2P	102	264.7	19.9	0	34.0	801	18
Dairyland	DS-9802RA	STX,B	102	264.1	19.4	0	35.1	803	17
Viking	53-01 Art	None,A	101	263.7	19.5	0	34.0	801	19
Renk	RK680SSTX	STX,B	103	263.5	19.4	0	33.7	801	20
Prairie Brand	5398SX	STX	103	263.0	20.0	0	33.0	796	22
Mustang	7202VT2PRIB	VT2P,B	102	262.6	19.4	0	35.4	798	21
Titan Pro	TP 75-01 SS	STX	101	259.7	19.6	0	34.7	788	23
AgriGold	A6346VT2RIB	VT2P,B	104	257.7	20.3	0	33.7	778	25
NuTech/G2 Gen	5F-503^	AM,B	103	256.9	19.8	0	34.0	778	26
Dyna-Gro	D45SS65	STX	105	256.8	19.7	0	34.4	779	24
Pfister	63A3SS	STX	103	256.0	20.5	0	34.4	771	28
Titan Pro	TP 61-01 3122A	3122,A,B	101	255.1	19.7	0	34.0	774	27
Hefty	H5104SSRIB	STX,B	101	254.2	19.8	0	33.7	770	29
NorthStar	NS104-167GENSSRIB	STX,B	104	250.1	20.0	0	33.7	757	30
Pioneer	P9929AMXT CK	AMXT,B	99	246.5	19.4	0	35.4	749	35

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Averages =	254.2	19.9	0	34.1	770
LSD (0.10) =	16.1	0.8	ns		
LSD (0.25) =	8.5	0.4	ns		
C.V. =	7.0	Prev. years average yield, 201.1 bu/a, 16 yrs			

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$3.15; non-GMO = \$3.15

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Early-Season Test Products (56 Total)

Company/Brand	Product/Brand	Technol.	Seed Trt.	RM	Company/Brand	Product/Brand	Technol.	Seed Trt.	RM
AgriGold	A6199STXRIB	STX,B	AC,P5V	95	Titan Pro	TP 58-95 SS	STX	AC,P5V	95
AgriGold	A629-22STX	STX	AC,P5V	99	Titan Pro	TP 65-00 2P	VT2P,DG	AC,P2	100
AgriGold	A630-31VT2RIBD1	VT2P,DG,B	AC,P5V	100	Titan Pro	TP 78-98 SS	STX	AC,P5V	98
Anderson	6284	None	MQ	98	Viking	44-98	None	AC,P2	98
Anderson	675VT2P	VT2P,B	AC,P2	98	Viking	51-95N	None	CM,C2	95
Anderson	7995	None	MQ	95	Viking	57-01N	None	CM,C2	101
Blue River	38G54	None	M	96	Viking	89-99N Art	None,A	CM,C2	99
Dekalb	DKC46-36RIB GC	STX,B	AC,P5V	96	Wyffels	W1886	VT2P	AC,P5V	97
Dyna-Gro	D39DC43	VT2P,DG	AC,P5V	99	Wyffels	W1968RIB	STX,B	AC,P5V	101
Enestvedt	E696SSRIB	STX,B	AC,P5V	100	Wyffels	W2086RIB	VT2P,B	AC,P2	98
Enestvedt	E698VT2Pro	VT2P	AC,P5V	100	Wyffels	W2198RIB	STX,B	AC,P5V	100
Epley	E1020	None	MQ	100					
Golden Harvest	G94U87-3110A	3110,A	AVC,C2,Vi	94					
Golden Harvest	G96V99-3120-EZR	3120,B	AVC,C2,Vi	96					
Golden Harvest	G97N86-3110	3110	AVC,C2,Vi	97					
Hefty	H4812VT2P	VT2P	AC,P2,In	98					
Hefty	H4904SSRIB	STX,B	AC,P5V,In	99					
Hefty	H4912VT2P	VT2P	AC,P2,In	99					
Hefty	HCEXP9812	VT2P	AC,P2,In	98					
Jacobsen Seed	JS4121	None	MQ,P2	100					
Latham	LH4657VT2Pro	VT2P	AC,P5V	96					
Latham	LH4919SS	STX	AC,P5V	99					
Latham	LH5025VT2ProDG	VT2P,DG	AC,P5	100					
Latham	LH5099SSRIB	STX,B	AC,P5V	100					
LG Seeds	LG5465VT2P	VT2P	AC,P5V	97					
LG Seeds	LG5494VT2P	VT2P	AC,P5V	99					
Mustang	4297VT2PRIB	VT2P,B	AC,P2	97					
Mustang	5299VT2PRIB	VT2P,B	AC,P2	99					
Mustang	5700VT2PDGRIB	VT2P,DG,B	AC,P2	100					
Mustang	6800SSRIB	STX,B	AC,P2	100					
NorthStar	NS100-464GENSSRIB	STX,B	AC,P5V	100					
NorthStar	NS96-103GENSSRIB	STX,B	AC,P5V	96					
NuTech	5N-800	3011,A	MQ,P5V,R	100					
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					
Pfister	1740RASS	STX,B	CM,C5,Vi,In	98					
Pfister	1785GT3	3000GT	CM,C5,Vi,In	98					
Pfister	60B1SSR	STX,B	CM,C5,Vi,In	100					
Pioneer	P9929AMXT CK	AMXT,B	MQ,C2,R,Lu	99					
Renk	RK595SSTX	STX,B	AC,P5V	99					
Renk	RK596SSTX	STX,B	AC,P5V	98					
Renk	RK608DGV2P	VT2P,DG,B	AC,P2	100					
Renk	RK612SSTX	STX,B	AC,P5V	100					

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Full-Season Test Products (56 Total)

Company/Brand	Product/Brand	Technol.	Seed Trt.	RM	Company/Brand	Product/Brand	Technol.	Seed Trt.	RM
AgriGold	A6267STXRIB	STX,B	AC,P5V	102	Titan Pro	TP 53-03 2P	VT2P,B	AC,P5V	103
AgriGold	A6346VT2RIB	VT2P,B	AC,P5V	104	Titan Pro	TP 58-01 2P	VT2P,B	AC,P5V	101
AgriGold	A6355STXRIB	STX,B	AC,P5V	103	Titan Pro	TP 61-01 3122A	3122,A,B	CM,C2	101
Anderson	5303	None	MQ	103	Titan Pro	TP 75-01 SS	STX	AC,P5V	101
Anderson	611VT2P	VT2P,B	AC,P2	101	Viking	40-03UP	None	CM,C2	103
Blue River	51T59	None	M	103	Viking	53-01 Art	None,A	CM,C2	101
Dairyland	DS-9802RA	STX,B	CM,C5,Vi,In	102	Viking	72-04N	None	CM,C2	104
Dairyland	DS-9804SSX	STX	CM,C5,Vi,In	104	Wyffels	W2618RIB	STX,B	AC,P5V	104
Dekalb	DKC52-84RIB GC	STX,B	AC,P5V	102	Wyffels	W3076RIB	VT2P,B	AC,P5V	102
Dekalb	DKC54-36	None	AC,P2	104	Wyffels	W3228RIB	STX,B	AC,P5V	103
Dyna-Gro	D44VC36	VT2P	AC,P5V	104	Wyffels	W4196	VT2P	AC,P5V	105
Dyna-Gro	D45SS65	STX	AC,P5V	105					
Golden Harvest	G01D24-3120-EZR	3120,B	AVC,C2,Vi	101					
Golden Harvest	G03C84-3120-EZR	3120,B	AVC,C2,Vi	103					
Golden Harvest	G05B91-3010	3010	AVC,C2,Vi	105					
Hefty	H5104SSRIB	STX,B	AC,P5V,In	101					
Hefty	H5114SS	STX	AC,P5V,In	101					
Hefty	H5214SS	STX	AC,P5V,In	102					
Hefty	H5302VT2PRIB	VT2P,B	AC,P2,In	103					
Jacobsen Seed	JS4249	None	MQ,P2	104					
Latham	LH5215VT2ProRIB	VT2P,B	AC,P2	102					
Latham	LH5245VT2Pro	VT2P	AC,P5V	102					
Latham	LH5339SSRIB	STX,B	AC,P5V	103					
Latham	LH5402RR	RR2	AC,P2	104					
LG Seeds	LG5499STXRIB	STX,B	AC,P5V	100					
LG Seeds	LG5505STX	STX	AC,P5V	102					
LG Seeds	LG5507STXRIB	STX,B	AC,P5V	103					
Mustang	7202VT2PRIB	VT2P,B	AC,P2	102					
Mustang	7801SSRIB	STX,B	AC,P2	101					
Mustang	7803SSRIB	STX,B	AC,P2	103					
NorthStar	NS103-169GENSSRIB	STX,B	AC,P5V	103					
NorthStar	NS104-167GENSSRIB	STX,B	AC,P5V	104					
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	X5LN-0308^	OIXT,AQ	MQ,P1V,R	103					
Pfister	61D2SSR	STX,B	CM,C5,Vi,In	101					
Pfister	62A1SSR	STX,B	CM,C5,Vi,In	102					
Pfister	63A3SS	STX	CM,C5,Vi,In	103					
Pioneer	P0157AMX GC	AMX,AQ,B	MQ,C2,R	101					
Pioneer	P9929AMXT CK	AMXT,B	MQ,C2,R,Lu	99					
Prairie Brand	5398SX	STX	CM,C5,Vi,In	103					
Renk	RK629VT3P	VT3P,B	AC,P2	101					
Renk	RK642SSTX	STX	AC,P5V	103					
Renk	RK675DGV2P	VT2P,DG,B	AC,P2	103					
Renk	RK680SSTX	STX,B	AC,P5V	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. 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.