

2017 Corn Grain Top 30 Harvest Report
 Minnesota Southeast [MNSE] NEW RICHLAND
 Leon Schoenrock, Waseca County, MN 56072



PREV. CROP/HERB: Soybean / Flexstar, Roundup
 SOIL DESCRIPTION: Webster clay loam, mod. well drained, non-irrigated
 SOIL CONDITION: Minimum w/ fall till, high P, high K, 6.8 pH, 5.5% OM
 PEST MANAGEMENT: Force, SureStart, Impact
 FERTILITY - Applied N: 160 Fall
 Applied N-P-K (units): 160-60-60
 SEEDING - RATE - ROW: Apr 24 35,318 /A 30" spacing
 HARVESTED - STAND: Nov 2 32,500 /A

Early-Season Test
95 - 100 Day CRM
 B2017MNSE07a

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
Viking	57-01N	None	101	248.0	15.1	0	32.0	781	1
NuTech	5N-800	3011,A	100	243.5	15.3	0	34.0	765	2
Mustang	429VT2PRIB	VT2P,B	97	240.4	15.4	0	33.0	755	3
NuTech/G2 Gen	5FN-7099^	OI	99	238.8	15.1	0	31.6	752	4
Epley	E1020	None	100	235.9	15.0	0	33.0	743	5
Golden Harvest	G97N86-3110	3110	97	235.6	15.1	0	33.4	742	6
Pfister	1785GT3	3000GT	98	232.7	15.1	0	34.7	732	7
Wyffels	W2086RIB	VT2P,B	98	231.7	14.7	0	33.7	730	8
NorthStar	NS100-464GENSSRIB	STX,B	100	228.0	15.3	0	32.0	716	9
Viking	44-98	None	98	226.7	14.7	0	32.3	714	10
Anderson	6284	None	98	226.7	15.2	0	32.7	713	11
Dyna-Gro	D39DC43	VT2P,DG	99	225.9	14.8	0	33.0	712	12
Enestvedt	E696SSRIB	STX,B	100	225.0	15.5	0	32.3	706	13
Titan Pro	TP 65-00 2P	VT2P,DG	100	221.8	15.4	0	32.3	696	14
Golden Harvest	G96V99-3120-EZR	3120,B	96	218.8	14.9	0	31.3	689	15
Renk	RK612SSTX	STX,B	100	217.4	15.3	0	32.7	683	17
LG Seeds	LG5465VT2P	VT2P	97	217.2	14.6	0	35.1	684	16
Golden Harvest	G94U87-3110A	3110,A	94	216.8	15.1	0	31.3	682	18
Hefty	H4812VT2P	VT2P	98	216.2	14.7	0	32.0	681	19
AgriGold	A630-31VT2RIBD1	VT2P,DG,B	100	213.7	14.8	0	32.7	673	20
Viking	89-99N Art	None,A	99	213.1	14.8	28	35.1	671	22
Jacobsen Seed	JS4121	None	100	213.0	15.3	0	33.7	669	23
Wyffels	W1886	VT2P	97	210.9	14.7	0	33.4	664	24
Renk	RK608DGV2P	VT2P,DG,B	100	210.4	15.2	0	33.4	662	25
Pfister	1740RASS	STX,B	98	209.5	15.0	0	31.6	660	26
Latham	LH5099SSRIB	STX,B	100	208.4	14.9	0	32.7	656	27
AgriGold	A629-22STX	STX	99	208.4	15.0	0	32.0	656	28
Blue River	38G54	None	96	207.6	15.2	0	32.7	653	29
Enestvedt	E698VT2Pro	VT2P	100	206.9	14.9	0	33.7	652	30
Mustang	5700VT2PDGRIB	VT2P,DG,B	100	206.0	15.1	0	34.4	648	31
Pioneer	P9929AMXT CK	AMXT,B	99	213.5	14.6	0	33.7	673	21

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

Averages =	208.2	14.9	1	32.5	655
LSD (0.10) =	19.0	0.5	4		
LSD (0.25) =	10.0	0.3	2		
C.V. =	10.0	Prev. years average yield, 195.5 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: *This site saw plentiful rains all season, without excessive ponding. However, this site exhibits great yield variability across the plot, which matches what I have seen at all other sites. Differing amounts of water in the heavy clay soil profile is the most likely cause of these yield extremes. Anthracnose in upper stalks showed up in September. Plants stood well at harvest, in spite of brittle stalks.*

† 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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 PEST MANAGEMENT: Force, SureStart, Impact
 FERTILITY - Applied N: 160 Fall
 Applied N-P-K (units): 160-60-60
 SEEDING - RATE - ROW: Apr 24 35,318 /A 30" spacing
 HARVESTED - STAND: Nov 2 32,200 /A

Full-Season Test
101 - 104 Day CRM
 B2017MNSE07b

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
Viking	72-04N	None	104	256.0	16.6	0	33.0	796	1
Golden Harvest	G01D24-3120-EZR	3120,B	101	249.6	16.1	0	34.7	779	2
Wyffels	W4196	VT2P	105	237.4	16.8	0	32.3	737	3
Hefty	H5214SS	STX	102	232.1	16.5	0	33.0	722	4
Blue River	51T59	None	103	230.6	16.2	0	33.7	719	5
Latham	LH5402RR	RR2	104	230.1	16.5	0	32.7	716	6
Pfister	62A1SSR	STX,B	102	229.9	16.4	0	34.4	716	7
Pfister	61D2SSR	STX,B	101	227.4	16.0	0	33.4	711	8
Dekalb	DKC54-36	None	104	226.9	15.8	0	34.0	710	9
NuTech/G2 Gen	5F-601^	AM,AQ,B	101	226.6	15.8	0	33.0	709	10
Golden Harvest	G03C84-3120-EZR	3120,B	103	226.0	16.4	0	33.7	704	11
Golden Harvest	G05B91-3010	3010	105	225.4	16.8	0	32.0	700	12
Wyffels	W3076RIB	VT2P,B	102	223.9	16.2	0	32.3	699	13
Mustang	7803SSRIB	STX,B	103	220.7	16.4	0	33.4	687	14
Titan Pro	TP 75-01 SS	STX	101	220.3	16.2	0	33.4	687	15
Jacobsen Seed	JS4249	None	104	220.2	16.6	0	29.2	685	16
Latham	LH5245VT2Pro	VT2P	102	218.7	16.5	0	31.6	681	17
Renk	RK642SSTX	STX	103	218.5	16.4	0	30.3	681	18
Mustang	7202VT2PRIB	VT2P,B	102	217.5	16.8	0	32.7	675	19
AgriGold	A6346VT2RIB	VT2P,B	104	216.9	16.5	0	31.6	675	20
Dairyland	DS-9802RA	STX,B	102	213.4	16.3	0	34.7	665	21
LG Seeds	LG5499STXRIB	STX,B	100	212.3	16.3	0	32.0	662	22
Hefty	H5104SSRIB	STX,B	101	209.4	16.1	0	33.4	654	23
AgriGold	A6267STXRIB	STX,B	102	207.4	16.2	0	32.7	647	25
LG Seeds	LG5505STX	STX	102	207.3	16.4	0	33.4	646	26
NorthStar	NS104-167GENSSRIB	STX,B	104	204.1	16.3	0	28.9	636	27
NuTech/G2 Gen	5F-503^	AM,B	103	202.5	15.7	0	33.4	634	28
Latham	LH5215VT2ProRIB	VT2P,B	102	201.7	16.4	0	32.7	628	29
Titan Pro	TP 61-01 3122A	3122,A,B	101	201.2	16.4	0	32.7	627	30
Wyffels	W3228RIB	STX,B	103	201.1	16.2	0	30.6	627	31
Pioneer	P9929AMXT CK	AMXT,B	99	208.7	16.0	0	32.7	652	24

Mark Querna

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Averages = **207.3** **16.2** **0** **32.2** **647**

LSD (0.10) = 19.4 0.4 ns

LSD (0.25) = 10.2 0.2 ns

C.V. = 10.3 Prev. years average yield, 195.5 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. VPMa [®] 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 [®] , VPMa [®] 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	Accelaron [®] 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.