

# 2018 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, Warrant Ultra, Roundup  
 SOIL DESCRIPTION: Readlyn, Marquis silt loam, mod. well drained, non-irrigated  
 SOIL CONDITION: Conventional w/ fall till, very high P, very high K, 5.9 pH, 4.8% OM, 19.9 CEC  
 PEST MANAGEMENT: Force, atrazine, Laudis  
 FERTILITY - Applied N: 100 Spring, 75 Sidedress  
 Applied N-P-K (units): 175-109.5-222  
 SEEDING - RATE - ROW: May 8 35,300 /A 30" spacing  
 HARVESTED - STAND: Oct 29 30,900 /A

## Early-Season Test

**96 - 101 Day CRM**  
 B2018MNSE04a

## Top 30 of 64

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
Dairyland	DS-9599	3000GT	99	<b>258.4</b>	19.2	4	31.2	813	1
Enestvedt	E696SSRIB	STX,B	100	<b>258.3</b>	19.6	4	32.6	810	2
NorthStar	NS 100-464GENSSRIB	STX,B	100	<b>254.0</b>	19.0	2	30.5	800	3
Hefty	H5024SS	STX	100	<b>249.5</b>	19.4	7	32.2	783	5
NK Brand	NK9738-3110	3110	97	<b>249.3</b>	19.2	4	32.9	784	4
Pioneer	P9998AMXT GC	AMXT,AQ,B	99	<b>244.9</b>	19.8	2	30.5	767	8
Golden Harvest	G97N86-3110	3110	97	<b>244.8</b>	18.7	2	29.9	773	6
NK Brand	NK9852-3010	3010	98	243.7	18.5	6	28.5	771	7
Dairyland	RPM-4018AM	AM,AQ,B	101	243.4	19.4	3	28.9	764	9
Mustang	429VT2PRIB	VT2P,B	97	241.7	19.0	2	31.6	761	11
Dekalb	DKC50-08RIB	STX,B	100	241.7	19.2	8	31.6	760	13
Pfister	1785VA	3220	99	241.5	18.6	1	30.9	763	10
Anderson	6898	None	98	240.3	18.4	6	31.9	761	12
Viking	57-01	None	101	239.2	19.1	15	31.6	753	14
Pfister	60C2PC	PC	100	238.8	19.5	2	30.2	749	16
NuTech/G2 Gen	5FB-7099	AM,B	99	237.8	18.6	1	31.2	751	15
Enestvedt	E699SSRIB	STX,B	99	236.7	19.3	2	32.2	744	17
Proseed	1898VT2PRIB	VT2P,B	98	236.0	19.0	0	31.2	743	18
Latham	LH4937VT2Pro	VT2P	99	235.6	18.8	9	31.6	743	19
Titan Pro	TP 78-98 SS	STX,B	98	235.0	18.5	5	32.2	743	20
Titan Pro	TP 71-98 2P	VT2P,B	98	234.4	18.7	5	32.2	740	21
LG Seeds	LG5465VT2RIB	VT2P,B	97	234.1	18.8	4	31.2	739	22
Golden Harvest	G96V99-3120-EZR	3120,B	96	234.1	19.0	38	32.2	737	23
AgriGold	A631-38VT2PRO	VT2P	101	233.2	19.0	5	31.6	735	24
LG Seeds	LG5505STXRIB	STX,B	101	232.2	19.3	0	30.9	730	26
NuTech/G2 Gen	5FN-2596	OI	96	231.6	18.6	1	29.5	732	25
NorthStar	NS 94-162VT2PRIB	VT2P,B	94	231.3	18.8	5	30.2	730	27
Viking	44-98	None	98	231.2	18.9	2	31.2	729	28
Mustang	5897SSRIB	STX,B	97	230.7	19.0	1	31.9	727	29
Dairyland	RPM-3715AM	AM,B	96	230.4	19.1	7	30.2	725	30
Pioneer	P0157 CK	AQ	101	228.6	19.2	3	30.2	719	36

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

Averages = **229.5** **19.0** **6** **30.9** **723**

LSD (0.10) = 14.9 0.5 7

LSD (0.25) = 7.8 0.3 3

C.V. = 7.1 Prev. years average yield, 212.2 bu/a, 17 yrs

**Yield & Income Factors:** Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$3.25; non-GMO = \$3.25

**Test Comments:** *April snow and rains delayed planting, but corn emerged very well here. High temps in mid-90's at the end of May jump-started growth. Brian recorded many 3" rainfalls, but never any deluges. A fast-moving wind storm on Sept 20th caused severe lodging in several varieties here. Still, yields were quite good at harvest. Brian had a 97 RM corn surrounding the plot that yielded about 225 bpa.*

† 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: 10/30/2018 Revised:

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 SOIL DESCRIPTION: Readlyn, Marquis silt loam, mod. well drained, non-irrigated  
 SOIL CONDITION: Conventional w/ fall till, very high P, very high K, 5.9 pH, 4.8% OM, 19.9 CEC  
 PEST MANAGEMENT: Force, atrazine, Laudis  
 FERTILITY - Applied N: 100 Spring, 75 Sidedress  
 Applied N-P-K (units): 175-109.5-222  
 SEEDING - RATE - ROW: May 8 35,300 /A 30" spacing  
 HARVESTED - STAND: Oct 29 31,500 /A

**Full-Season Test**  
**102 - 106 Day CRM**  
 B2018MNSE04b

**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	55-02	None	102	<b>269.7</b>	21.3	2	32.6	834	1
Viking	51-04	None	104	<b>262.4</b>	20.6	18	32.2	816	2
Dairyland	DS-7603PE	PC,E	103	<b>261.2</b>	20.8	6	31.9	811	3
Pfister	66Y3PE	PC,E	106	<b>260.1</b>	20.8	11	31.2	808	4
Pfister	64F1PE	PC,E	104	<b>257.2</b>	21.0	1	30.9	797	5
NuTech/G2 Gen	E5FN-A604	OI	104	<b>257.0</b>	20.9	1	30.5	797	6
Dairyland	DS-7106PE	PC,E	106	<b>256.8</b>	21.1	2	30.9	795	8
Pioneer	P0589 GC	AQ	105	<b>254.9</b>	19.9	1	32.2	797	7
Viking	63-05	None	104	<b>253.5</b>	21.2	1	31.2	785	12
Renk	RK737VT2P	VT2P	106	<b>251.6</b>	19.7	5	32.6	788	9
Mustang	6805SSRIB	STX,B	105	<b>251.4</b>	20.1	1	30.5	785	13
Titan Pro	82-04 2P	VT2P,B	104	<b>251.1</b>	19.8	1	31.9	786	11
Hefty	H5524SS	STX	105	<b>251.1</b>	20.5	2	30.9	782	14
Dyna-Gro	D47SS29RIB	STX,B	106	<b>250.9</b>	19.4	2	31.6	788	10
LG Seeds	LG5525VT2RIB	VT2P,B	105	248.8	20.0	6	32.6	778	15
Hefty	H5624SS	STX	106	244.6	21.1	7	29.9	758	17
Latham	LH5245VT2ProRIB	VT2P,B	102	244.5	19.6	12	31.6	767	16
Pfister	65G1SE	STX,E	105	242.9	21.5	1	32.9	750	21
AgriGold	A635-54VT2RIB	VT2P,B	105	241.9	20.0	7	32.6	756	18
Dairyland	RPM-4318AM	AM,B	104	241.1	20.4	4	32.6	751	20
Dekalb	DKC54-38RIB GC	STX,B	104	240.8	20.4	1	32.2	750	22
Pioneer	P0589AMXT GC	AMXT,AQ,B	105	240.2	19.8	0	32.6	752	19
Latham	LH5487VT2Pro	VT2P	104	239.0	20.5	3	31.2	744	23
Golden Harvest	G06Z97-3120-EZR	3120,B	106	238.8	20.7	23	31.6	742	25
Titan Pro	TP 70-06	None	106	238.3	20.5	3	30.5	742	26
NuTech/G2 Gen	5F-503	AM,B	103	237.5	19.9	2	32.2	743	24
AgriGold	A636-56STXRIB	STX,B	106	237.1	20.4	10	31.2	739	27
Wyffels	W4196RIB	VT2P,B	105	236.0	19.7	10	32.2	739	28
LG Seeds	LG53C50STX	STX	103	235.9	19.8	6	29.9	738	29
NuTech/G2 Gen	5F-702	AM,B	102	234.4	19.0	13	32.6	738	30
Pioneer	P0157 CK	AQ	101	233.8	19.4	3	30.5	734	34

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Averages = **236.1** **20.1** **8** **31.5** **737**

LSD (0.10) = 14.0 0.6 8

LSD (0.25) = 7.4 0.3 4

C.V. = 6.5 Prev. years average yield, 212.2 bu/a, 17 yrs

**Yield & Income Factors:** Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$3.25; non-GMO = \$3.25

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**Early-Season Test Products (64 Total)**

Company/Brand	Product/Brand	Technol.	Seed Trt.	RM	Company/Brand	Product/Brand	Technol.	Seed Trt.	RM
AgriGold	A628-20VT2RIB	VT2P,B	AC,P5V	98	NuTech/G2 Gen	5FN-2596	OI	MQ,P5V,R	96
AgriGold	A629-22STXRIB	STX,B	AC,P5V	99	Pfister	1785VA	3220	CM,C5,Vi,In	99
AgriGold	A631-38VT2PRO	VT2P	AC,P5V	101	Pfister	60B1SSR	STX,B	CM,C5,Vi,In	100
Anderson	611R	RR2	MQ	100	Pfister	60C2PC	PC	CM,C5,Vi,In	100
Anderson	611VT2P	VT2P,B	AC,P2	100	Pioneer	P0157 CK	AQ	MQ,C2,R	101
Anderson	669SRC	STX,B	AC,P5V	97	Pioneer	P9870AM GC	AM,B	MQ,C2,R,Lu	98
Anderson	6898	None	MQ	98	Pioneer	P9998AMXT GC	AMXT,AQ,B	MQ,C2,R,Lu	99
Blue River	38G54	None	M	96	Proseed	1898VT2PRIB	VT2P,B	AC,P2	98
Dairyland	DS-7101	PC	CM,C5,Vi,In	101	Renk	RK579DGV2P	VT2P,DG	AC,P2	98
Dairyland	DS-9599	3000GT	CM,C5,Vi,In	99	Renk	RK587VT2P	VT2P,B	AC,P2	97
Dairyland	RPM-3715AM	AM,B	MQ,P5V,R	96	Renk	RK608DGV2P	VT2P,DG,B	AC,P2	100
Dairyland	RPM-4018AM	AM,AQ,B	MQ,P5V,R	101	Titan Pro	85-96	None	AC,P2	96
De Dell Seeds	DL 4555	None	MQ	96	Titan Pro	EXP 84-01 SS	STX,B	AC,P5V	101
Dekalb	DKC46-36RIB GC	STX,B	AC,P5V	96	Titan Pro	TP 71-98 2P	VT2P,B	AC,P2	98
Dekalb	DKC50-08RIB	STX,B	AC,P5V	100	Titan Pro	TP 78-98 SS	STX,B	AC,P5V	98
Enestvedt	E696SSRIB	STX,B	AC,P5V	100	Viking	44-98	None	CM,C2	98
Enestvedt	E699SSRIB	STX,B	AC,P5V	99	Viking	46-96	None	AC,P5V	96
Epley	E9520	None	MQ	95	Viking	57-01	None	CM,C2	101
Epley	E9840	None	MQ	98	Viking	99-00	None	CM,C2	100
Golden Harvest	G00H12-3010	3010	AVC,C2,Vi	100					
Golden Harvest	G96V99-3120-EZR	3120,B	AVC,C2,Vi	96					
Golden Harvest	G97N86-3110	3110	AVC,C2,Vi	97					
Hefty	H4724SS	STX	HC	97					
Hefty	H4922VT2P	VT2P	HC	99					
Hefty	H5003VT2PDGRIB	VT2P,DG,B	HC	100					
Hefty	H5024SS	STX	HC	100					
Latham	LH4835VT2Pro	VT2P	CE,C2	98					
Latham	LH4937VT2Pro	VT2P	AC,P5V	99					
Latham	LH5025VT2ProDGRIB	VT2P,DG,B	AC,P2	100					
Latham	LH5137VT2Pro	VT2P	AC,P5V	101					
LG Seeds	LG5465VT2RIB	VT2P,B	AC,P5V	97					
LG Seeds	LG5494VT2RIB	VT2P,B	AC,P5V	99					
LG Seeds	LG5505STXRIB	STX,B	AC,P5V	101					
Mustang	4296VT2PRIB	VT2P,B	AC,P2	96					
Mustang	4297VT2PRIB	VT2P,B	AC,P2	97					
Mustang	5897SSRIB	STX,B	AC,P5V	97					
Mustang	7801SSRIB	STX,B	AC,P5V	101					
NK Brand	NK9659-3120-EZR	3120,B	AVC,C2,Vi	96					
NK Brand	NK9738-3110	3110	AVC,C2,Vi	97					
NK Brand	NK9852-3010	3010	AVC,C2,Vi	98					
NorthStar	NS 100-464GENSSRIB	STX,B	AC,P5V	100					
NorthStar	NS 100-530VT2PRIB	VT2P,B	AC,P2	100					
NorthStar	NS 94-162VT2PRIB	VT2P,B	AC,P2	94					
NuTech	5N-800	3011,A	MQ,P5V,R	100					
NuTech/G2 Gen	5FB-7099	AM,B	CM,C2,R,Lu	99					

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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	A633-94STX	STX	AC,P5V	103	Titan Pro	TP 53-03 2P	VT2P,B	AC,P2	103
AgriGold	A635-54VT2RIB	VT2P,B	AC,P5V	105	Titan Pro	TP 70-06	None	CM,C2,Vi	106
AgriGold	A636-56STXRIB	STX,B	AC,P5V	106	Titan Pro	TP 77-06 SS	STX,B	AC,P5V	106
Anderson	5303	None	MQ	103	Viking	42-05	None	CM,C2	105
Dairyland	DS-7106PE	PC,E	CM,C5,Vi,In	106	Viking	51-04	None	CM,C2	104
Dairyland	DS-7603PE	PC,E	CM,C5,Vi,In	103	Viking	55-02	None	AC,P5V	102
Dairyland	DS-9804RA	STX,B	CM,C5,Vi,In	103	Viking	63-05	None	CM,C2	104
Dairyland	RPM-4318AM	AM,B	MQ,P5V,R	104	Wyffels	W3076RIB	VT2P,B	AC,P2	102
De Dell Seeds	DL 6207	None	MQ	106	Wyffels	W3488	STX	AC,P5V	104
Dekalb	DKC54-38RIB GC	STX,B	AC,P5V	104	Wyffels	W4196RIB	VT2P,B	AC,P5V	105
Dyna-Gro	D47SS29RIB	STX,B	AC,P5V	106	Wyffels	W4796RIB	VT2P,B	AC,P5V	106
Epley	E1312SS	STX	AC,P5V	103					
Golden Harvest	G03C84-3120-EZR	3120,B	AVC,C2,Vi	103					
Golden Harvest	G06Z97-3120-EZR	3120,B	AVC,C2,Vi	106					
Hefty	H5302VT2PRIB	VT2P,B	HC	103					
Hefty	H5502VT2PRIB	VT2P,B	HC	105					
Hefty	H5524SS	STX	HC	105					
Hefty	H5624SS	STX	HC	106					
Latham	LH5245VT2ProRIB	VT2P,B	AC,P2	102					
Latham	LH5487VT2Pro	VT2P	AC,P5V	104					
Latham	LH5505VT2ProRIB	VT2P,B	AC,P2	105					
Latham	LH5635VT2ProRIB	VT2P,B	AC,P2	106					
LG Seeds	LG53C50STX	STX	AC,P5V	103					
LG Seeds	LG5525VT2RIB	VT2P,B	AC,P5V	105					
Mustang	6805SSRIB	STX,B	AC,P5V	105					
Mustang	7202VT2P	VT2P,B	AC,P2	102					
NK Brand	NK0330-3120-EZR	3120,B	AVC,C2,Vi	103					
NK Brand	NK0602-3010	3010	AVC,C2,Vi	106					
NK Brand	NK0624-3220-EZR	3220,B	AVC,C2,Vi	106					
NorthStar	NS 104-167GENSSRIB	STX,B	AC,P5V	104					
NuTech/G2 Gen	5F-503	AM,B	MQ,P5V,R	103					
NuTech/G2 Gen	5F-702	AM,B	MQ,P5V,R	102					
NuTech/G2 Gen	E5FN-A604	OI	MQ,P1V,R	104					
Pfister	63A3SSR	STX,B	CM,C5,Vi,In	103					
Pfister	64F1PE	PC,E	CM,C5,Vi,In	104					
Pfister	65G1SE	STX,E	CM,C5,Vi,In	105					
Pfister	66Y3PE	PC,E	CM,C5,Vi,In	106					
Pioneer	P0157 CK	AQ	MQ,C2,R	101					
Pioneer	P0589 GC	AQ	MQ,C2,Lu	105					
Pioneer	P0589AMXT GC	AMXT,AQ,B	MQ,C2,R	105					
Renk	RK604SSTX	STX	AC,P5V	102					
Renk	RK642SSTX	STX,B	AC,P5V	103					
Renk	RK717SSTX	STX,B	AC,P5V	105					
Renk	RK737VT2P	VT2P	AC,P5V	106					
Titan Pro	82-04 2P	VT2P,B	AC,P2	104					

## Footnotes and Abbreviation Descriptions

### Brand Footnotes

^	Innotech™ brand seed is distributed by Rob-See-Co, LLC. Phoenix® brand seed is distributed by Advanta Seeds. Power Plus® brand seed is distributed by Burrus. Innotech™ and Phoenix® are trademarks of Syngenta. Power Plus® is a registered trademark of Corteva Agriscience.
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)	E	Enlist™ (2,4-D, glyphosate, fop herbicide tolerance)
3010	Agrisure® 3010 (CB,LL,GT)	GT	Agrisure® GT
3011,A	Agrisure® Artesian® (CB,RW,LL,GT)	HX	Herculex® 1, contains LL
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)
3120	Agrisure® 3120 (CB,HX,LL,GT)	LL	LibertyLink®
3122	Agrisure® 3122 (CB,HXX,RW,LL,GT)	None	conventional corn
3220	Agrisure® Viptera® 3220 (Vip,CB,HX,LL,GT)	OI	Optimum® Intrasect®, YHR (YGCB,HX,LL,RR2)
A	Agrisure® Artesian®	OIX	Optimum® Intrasect® Xtra, YXR (YGCB,HXT,LL,RR2)
AM	Optimum® AcreMax® (YGCB,HX,LL,RR2)	OIXT	Optimum® Intrasect® Xtreme (YGCB,HXT,RW,LL,RR2)
AMT	Optimum® AcreMax® TRIsect (HX,RW,LL,RR2)	PC	PowerCore™ (HX, VT2P)
AMX	Optimum® AcreMax® Xtra (YGCB,HXT,LL,RR2)	RR2	Roundup Ready® 2 Corn
AMXT	Optimum® AcreMax® Xtreme (YGCB,HXT,RW,LL,RR2)	RW	Agrisure® Rootworm
AQ	Optimum® AQUAMax®	STX	SmartStax® (VT3P,HXT,RR2,LL)
B	Refuge blend product	VT2P	Genuity® VT Double PRO®
CB	Agrisure® Corn Borer	VT3P	Genuity® VT Triple PRO®
DG	Genuity® DroughtGard®	YGCB	YieldGard® Corn Borer

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

### Corn Seed Treatments\*\*

?	information not provided	Lu	Lumivia™
A	Allegiance®	M	Maxim XL®
AC	Acceleron® fungicide products	MQ	Maxim Quattro®
AL2500	Alert 2500	None	untreated
At	Actellic®	P2, P5, P1	Poncho® at 0.25, 0.5 and 1.25 mg ai/seed, respectively
AVC	Avicta® Complete Corn	R	Raxil®
C2, C5, C1	Cruiser® at 0.25, 0.5 and 1.25 mg ai/seed, respectively	Sa	Sativa™
CE	Cruiser Extreme®	Se	Sebring™
CM	CruiserMaxx® Corn	Sn	Senator™
D	Dynasty®	Sp	Spirato™
Es	Escalate®	SC	SHIELDCoat™
HC	Hefty Complete	V	Votivo®
In	Intego™ Solo	Vi	Vibrance®
L	Lorsban®		

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