

## 2018 Corn Grain Top 30 Harvest Report

Minnesota Southwest [ MNSW ] EASTON  
Dru Martin, Faribault County, MN 56025



Test by: IMQ, LLC, New Richland, MN

PREV. CROP/HERB: Soybean / Abundit Extra, Trivence  
SOIL DESCRIPTION: Marna silty clay loam, moderately drained, non-irrigated  
SOIL CONDITION: Conventional w/ fall till, high P, high K, 5.8 pH, 5.9% OM, 32.7 CEC  
PEST MANAGEMENT: Force, Breakfree  
FERTILITY - Applied N: 100 Spring, 80 Sidedress  
Applied N-P-K (units): 180-60-60  
SEEDING - RATE - ROW: May 18 35,300 /A 30" spacing  
HARVESTED - STAND: Nov 3 32,400 /A

### Early-Season Test

**96 - 101 Day CRM**  
B2018MNSW01a

### Top 30 of 72

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
Miller Hybrids	M00-49	None	100	<b>213.8</b>	16.6	15	33.3	686	1
Dairyland	DS-9599	3000GT	99	<b>200.8</b>	15.6	26	33.9	650	2
Anderson	684R	RR2	98	<b>197.3</b>	14.7	13	29.9	641	3
Dairyland	DS-7101	PC	101	<b>195.4</b>	15.8	6	33.3	631	5
Titan Pro	EXP 84-01 SS	STX,B	101	<b>195.1</b>	16.4	4	30.5	627	6
Latham	LH4937VT2Pro	VT2P	99	<b>194.4</b>	15.0	8	32.6	632	4
Latham	LH5025VT2ProDGRIB	VT2P,DG,B	100	191.0	15.8	10	33.9	617	7
Wyffels	W1636	VT2P	96	189.3	15.3	13	30.5	614	8
Golden Harvest	G00H12-3010	3010	100	189.2	15.5	53	33.6	613	10
Miller Hybrids	M98-70	None	98	188.8	14.9	5	33.9	614	9
Viking	57-01	None	101	187.9	15.6	33	33.9	608	11
NorthStar	NS 100-464GENSSRIB	STX,B	100	187.9	15.7	5	32.2	607	12
NorthStar	NS 94-162VT2PRIB	VT2P,B	94	186.2	15.1	9	30.5	605	13
Epley	E9520	None	95	185.9	15.6	10	33.3	601	15
Renk	RK608DGV2P	VT2P,DG,B	100	185.4	15.2	4	30.5	602	14
NuTech	5N-800	3011,A	100	185.1	15.7	36	32.9	598	18
Renk	RK587VT2P	VT2P,B	97	185.0	15.0	26	31.2	601	16
Mustang	4297VT2PRIB	VT2P,B	97	184.6	15.3	6	33.6	599	17
NuTech/G2 Gen	5FN-2596	OI	96	184.4	15.8	7	33.6	596	19
Pioneer	P9998AMXT GC	AMXT,AQ,B	99	183.9	16.1	11	31.9	593	21
Wyffels	W2506	VT2P	101	183.6	15.5	6	33.9	594	20
Golden Harvest	G97N86-3110	3110	97	183.0	15.5	31	32.6	592	22
Dahlman	R48-21VT2PRIB	VT2P,B	96	181.6	15.2	23	30.9	589	23
LG Seeds	LG5465VT2RIB	VT2P,B	97	179.3	15.3	15	33.6	581	24
LG Seeds	LG5505STXRIB	STX,B	101	178.3	15.4	8	31.9	578	25
Dahlman	R50-357SSRIB	STX,B	100	178.2	15.9	7	31.9	575	27
Dairyland	RPM-4018AM	AM,AQ,B	101	177.6	16.0	18	30.9	573	28
Titan Pro	TP 78-98 SS	STX,B	98	177.4	15.2	4	32.6	576	26
Latham	LH5137VT2Pro	VT2P	101	177.2	16.1	4	32.9	571	30
Federal	4880SSTXRIB	STX,B	98	176.8	15.7	17	31.9	572	29
Pioneer	P0157 CK	AQ	101	172.8	16.1	21	32.2	557	41

Mark Querna  
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Averages =	<b>173.8</b>	<b>15.4</b>	<b>13</b>	<b>32.4</b>	<b>563</b>
LSD (0.10) =	17.8	0.4	11		
LSD (0.25) =	9.4	0.2	6		
C.V. =	11.3	Prev. years average yield, 201.0 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:** Cold and wet weather delayed planting till mid-May. Conditions at planting were good. Rain came frequently and in large amounts throughout the growing season. September 20th brought high winds that caused stalk lodging. Dru noticed his corn yields were highly variable due to the large quantities of rain received. Late-season test rejected due to water related variable yields.

† 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: 11/06/2018 Revised:

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SOIL CONDITION: Conventional w/ fall till, high P, high K, 5.8 pH, 5.9% OM, 32.7 CEC  
PEST MANAGEMENT: Force, Breakfree  
FERTILITY - Applied N: 100 Spring, 80 Sidedress  
Applied N-P-K (units): 180-60-60  
SEEDING - RATE - ROW: May 18 35,300 /A 30" spacing  
HARVESTED - STAND: Nov 3 32,300 /A

**Full-Season Test**  
**102 - 106 Day CRM**  
B2018MNSW01b

**Top 30 of 60**

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
LS Seeds	LS625V2000	VTOPB	106	163.3	16.0	8	31.9	423	1
Pioneer	P0157 CK	PCE	106	162.8	16.2	14	31.9	398	2
Wing	W140	None	102	177.4	17.4	13	31.6	386	4
Hydrex	W17000	VTOPB	106	176.9	16.0	6	31.5	371	3
Wing	W134	None	104	173.2	16.0	16	31.5	367	5
Team Pro	TP14 3P	VTOPB	104	172.5	16.0	8	31.4	367	6
Pioneer	P02000 OC	AAAGB	103	171.7	16.0	3	31.3	362	7
Pioneer	P0157 CK	PCE	104	170.9	16.0	11	31.3	362	8
Northwest Gen	W15 303	AAAB	101	170.5	17.0	10	31.3	346	10
Latham	LH040V2000	VTOPB	106	169.1	16.0	3	31.4	346	9
Dekalb	DKC60 317	PCE	106	168.3	16.0	10	31.3	342	11
Hydrex	W17000	VTOPB	106	166.5	16.0	3	30.9	337	12
Wing	W140	None	104	165.3	16.0	6	30.2	336	14
Pioneer	P0157 CK	PCE	106	165.0	16.0	3	30.2	336	13
Holly	H030V2000	PCE	101	165.0	16.0	7	30.2	331	15
Team Pro	TP14 3P	VTOPB	104	164.8	16.2	6	30.2	327	16
Latham	LH040V2000	VTOPB	106	162.9	16.4	4	30.2	324	18
Hydrex	W140	STB	106	162.7	16.0	7	30.3	325	17
Pioneer	P02000 OC	AAAGB	103	161.2	17.7	6	31.9	313	19
Holly	H030V2000	PCE	106	158.5	16.1	7	30.3	311	20
Northwest Gen	W15 303	AAAB	104	158.4	18.0	10	30.6	303	23
Elite	E17000	PCE	103	158.2	16.4	6	30.2	309	21
Golden Harvest	GHC64 317	VTOPB	103	157.1	16.1	24	30.2	306	22
Holly	H030V2000	STB	106	156.3	16.3	9	29.9	303	24
Team Pro	TP14 3P	VTOPB	103	155.1	15.3	8	30.4	303	25
Dekalb	DKC64 317	STB	104	154.7	16.3	3	30.3	298	26
MS Brand	M0200 315-020	VTOPB	103	153.0	15.8	44	30.6	294	27
Latham	LH040V2000	VTOP	104	152.7	16.0	5	30.2	292	28
Pioneer	P02000 OC	AQ	106	152.3	17.2	20	31.2	287	30
Dekalb	DKC64 317	STB	106	152.1	16.2	7	30.2	286	29
Pioneer	P0157 CK	AQ	101	118.5	17.3	3	33.6	378	59

REJECTED

*Mark Querna*

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Averages =	<b>152.4</b>	<b>16.3</b>	<b>10</b>	<b>32.3</b>	<b>490</b>
LSD (0.10) =	23.2	0.5	10		
LSD (0.25) =	12.2	0.2	5		
C.V. =	16.7	Prev. years average yield, 201.0 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:** Cold and wet weather delayed planting till mid-May. Conditions at planting were good. Rain came frequently and in large amounts throughout the growing season. September 20th brought high winds that caused stalk lodging. Dru noticed his corn yields were highly variable due to the large quantities of rain received. Late-season test rejected due to water related variable yields.

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2018 Corn Grain - Minnesota Southwest [ MNSW ]



Early-Season Test Products (72 Total)

Company/Brand	Product/Brand	Technol.	Seed Trt.	RM	Company/Brand	Product/Brand	Technol.	Seed Trt.	RM
Anderson	611SRC	STX,B	AC,P5V	100	NorthStar	NS 100-530VT2PRIB	VT2P,B	AC,P2	100
Anderson	675VT2P	VT2P,B	AC,P2	98	NorthStar	NS 94-162VT2PRIB	VT2P,B	AC,P2	94
Anderson	6811	None	MQ	100	NuTech	5N-800	3011,A	MQ,P5V,R	100
Anderson	684R	RR2	MQ	98	NuTech/G2 Gen	5FB-7099	AM,B	CM,C2,R,Lu	99
Blue River	38G54	None	M	96	NuTech/G2 Gen	5FN-2596	OI	MQ,P5V,R	96
Dahlman	R48-21VT2PRIB	VT2P,B	AC,P2	96	Pfister	1785VA	3220	CM,C5,Vi,In	99
Dahlman	R49-23VT2PRIB	VT2P,B	AC,P2	98	Pfister	60B1SSR	STX,B	CM,C5,Vi,In	100
Dahlman	R50-357SSRIB	STX,B	AC,P5V	100	Pfister	60C2PC	PC	CM,C5,Vi,In	100
Dairyland	DS-7101	PC	CM,C5,Vi,In	101	Pioneer	P0157 CK	AQ	MQ,C2,R	101
Dairyland	DS-9599	3000GT	CM,C5,Vi,In	99	Pioneer	P9998AMXT GC	AMXT,AQ,B	MQ,C2,R,Lu	99
Dairyland	RPM-3715AM	AM,B	MQ,P5V,R	96	Proseed	1898VT2PRIB	VT2P,B	AC,P2	98
Dairyland	RPM-4018AM	AM,AQ,B	MQ,P5V,R	101	Renk	8-593SSTX	STX	AC,P5V	99
Dekalb	DKC50-08RIB	STX,B	AC,P5V	100	Renk	RK579DGV2P	VT2P,DG	AC,P2	98
Enestvedt	E658VT2Pro	VT2P	AC,P2	96	Renk	RK587VT2P	VT2P,B	AC,P2	97
Enestvedt	E696SSRIB	STX,B	AC,P5V	100	Renk	RK608DGV2P	VT2P,DG,B	AC,P2	100
Enestvedt	E699SSRIB	STX,B	AC,P5V	99	Titan Pro	85-96	None	AC,P2	96
Epley	E9520	None	MQ	95	Titan Pro	EXP 84-01 SS	STX,B	AC,P5V	101
Epley	E9840	None	MQ	98	Titan Pro	TP 71-98 2P	VT2P,B	AC,P2	98
Federal	4880SSTAXRIB	STX,B	AC,P5V	98	Titan Pro	TP 78-98 SS	STX,B	AC,P5V	98
Federal	4990SSTAX	STX	AC,P5V	99	Viking	44-98	None	CM,C2	98
Federal	5280VT2PRIB	VT2P,B	AC,P2	102	Viking	46-96	None	AC,P5V	96
Golden Harvest	G00H12-3010	3010	AVC,C2,Vi	100	Viking	57-01	None	CM,C2	101
Golden Harvest	G96V99-3120-EZR	3120,B	AVC,C2,Vi	96	Viking	99-00	None	CM,C2	100
Golden Harvest	G97N86-3110	3110	AVC,C2,Vi	97	Wyffels	W1636	VT2P	AC,P5V	96
Hefty	H4724SS	STX	HC	97	Wyffels	W2086RIB	VT2P,B	AC,P5V	98
Hefty	H4922VT2P	VT2P	HC	99	Wyffels	W2196RIB	VT2P,B	AC,P2	99
Hefty	H5003VT2PDGRIB	VT2P,DG,B	HC	100	Wyffels	W2506	VT2P	AC,P2	101
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	LG46C73VT2PRORIB	VT2P,B	AC,P5V	96					
LG Seeds	LG5465VT2RIB	VT2P,B	AC,P5V	97					
LG Seeds	LG5494VT2RIB	VT2P,B	AC,P5V	99					
LG Seeds	LG5505STXRIB	STX,B	AC,P5V	101					
Miller Hybrids	M00-49	None	AVC,C5	100					
Miller Hybrids	M98-70	None	CM,C2	98					
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	NK9852-3010	3010	AVC,C2,Vi	98					
NorthStar	NS 100-464GENSSRIB	STX,B	AC,P5V	100					

2018 Corn Grain - Minnesota Southwest [ MNSW ]



**Full-Season Test Products (60 Total)**

Company/Brand	Product/Brand	Technol.	Seed Trt.	RM	Company/Brand	Product/Brand	Technol.	Seed Trt.	RM
Anderson	5303	None	MQ	103	Renk	RK642SSTX	STX,B	AC,P5V	103
Dairyland	DS-7106PE	PC,E	CM,C5,Vi,In	106	Renk	RK717SSTX	STX,B	AC,P5V	105
Dairyland	DS-7603PE	PC,E	CM,C5,Vi,In	103	Renk	RK737VT2P	VT2P	AC,P5V	106
Dairyland	DS-9804RA	STX,B	CM,C5,Vi,In	103	Titan Pro	82-04 2P	VT2P,B	AC,P2	104
Dairyland	RPM-4318AM	AM,B	MQ,P5V,R	104	Titan Pro	TP 53-03 2P	VT2P,B	AC,P2	103
Dekalb	DKC52-84RIB GC	STX,B	AC,P5V	102	Titan Pro	TP 70-06	None	CM,C2,Vi	106
Dekalb	DKC53-56RIB GC	STX,B	AC,P5V	103	Titan Pro	TP 77-06 SS	STX,B	AC,P5V	106
Dekalb	DKC54-38RIB GC	STX,B	AC,P5V	104	Viking	42-05	None	CM,C2	105
Dekalb	DKC55-84RIB GC	STX,B	AC,P5V	105	Viking	51-04	None	CM,C2	104
Epley	E1312SS	STX	AC,P5V	103	Viking	55-02	None	AC,P5V	102
Federal	5570VT2PRIB	VT2P,B	AC,P2	105	Viking	63-05	None	CM,C2	104
Golden Harvest	G03C84-3120-EZR	3120,B	AVC,C2,Vi	103	Wyffels	W3078RIB	STX,B	AC,P5V	106
Golden Harvest	G06Q68-3220-EZR	3220,B	AVC,C2,Vi	106	Wyffels	W3488	STX	AC,P5V	104
Golden Harvest	G06Z97-3120-EZR	3120,B	AVC,C2,Vi	106	Wyffels	W4196RIB	VT2P,B	AC,P5V	105
Hefty	H5302VT2PRIB	VT2P,B	HC	103	Wyffels	W4796RIB	VT2P,B	AC,P5V	106
Hefty	H5504SSRIB	STX,B	HC	105					
Hefty	H5522VT2P	VT2P	HC	105					
Hefty	H5524SS	STX	HC	105					
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					
Miller Hybrids	M03-33	None	AVC,C5	103					
Miller Hybrids	M06-39	None	CM,C2	106					
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-702	AM,B	MQ,P5V,R	102					
NuTech/G2 Gen	5FB-3603	AM,B	CM,C2,R,Lu	103					
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	P0306AM GC	AM,AQ,B	MQ,C5,R,Lu	103					
Pioneer	P0339AMXT GC	AMXT,AQ,B	MQ,C2,R,Lu	103					
Pioneer	P0589 GC	AQ	MQ,C2,Lu	105					
Pioneer	P0589AMXT GC	AMXT,AQ,B	MQ,C2,R	105					
Renk	RK604SSTX	STX	AC,P5V	102					

## 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.