

2018 Corn Grain Top 30 Harvest Report

Minnesota Southwest [MNSW] JEFFERS
Rick Quade, Cottonwood County, MN 56083



Test by: IMQ, LLC, New Richland, MN

PREV. CROP/HERB: Soybean / Sonic, Engenia, Roundup
SOIL DESCRIPTION: North Twin-Walnut Grove loam, moderately drained, non-irrigated
SOIL CONDITION: Strip-till, medium P, medium K, 6 pH, 3.8% OM, 23.5 CEC
PEST MANAGEMENT: Force, atrazine, Status
FERTILITY - Applied N: 100 Fall, 35 Spring
Applied N-P-K (units): 135-90-90
SEEDING - RATE - ROW: May 16 35,300 /A 30" spacing
HARVESTED - STAND: Nov 1 31,400 /A

Early-Season Test
96 - 101 Day CRM
B2018MNSW03a

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
Danland	DS 8038	VTOP	99	174.3	16.1	1	31.9	581	1
LG Seeds	LG485V7288	VTOP	97	173.8	16.1	4	31.9	580	2
Miller Hybrids	880-43	None	100	172.8	16.2	9	31.9	548	3
Rock	863780OUT3P	VTOP-DL	98	171.8	16.1	1	31.2	554	3
Golden Harvest	GH786-3110	3110	97	171.7	16.1	2	31.9	551	4
Anderson	882	882	98	168.9	16.1	4	31.2	540	6
Wing	57-81	None	101	163.3	16.1	1	31.2	523	7
Holly	H885V72P0288	VTOP-DL-B	100	162.9	16.1	1	31.9	521	8
Team Pro	TP 71-86 2P	VTOP	98	161.3	16.1	1	31.9	520	9
HyFlex	97536	VTOP	99	160.9	16.1	1	31.2	513	10
Team Pro	TP 75-86 3S	571-B	99	158.4	16.1	1	31.9	509	11
Danland	879-371448	882	98	157.9	16.1	9	31.6	507	12
NuTack/2 Gen	975 208	01	98	155.9	16.1	1	31.9	502	13
HyFlex	921888B	975	98	155.9	16.1	1	31.9	501	14
HyFlex	921888B	975	98	155.9	16.1	9	31.2	500	15
Latham	LH453V72Ph	VTOP	99	155.8	16.4	1	31.9	498	16
Federal	480007 AQ 88	571-B	99	152.6	16.7	4	31.2	493	19
AG Seed	86382 3110	3110	99	152.1	16.7	4	31.2	490	17
LG Seeds	LG485V7288	VTOP	99	152.0	16.1	9	31.2	486	18
NuTack/2 Gen	975 208	01	100	152.1	16.0	2	31.9	491	20
Federal	429V7288	571-B	102	151.9	16.8	3	31.9	487	21
Phar	775A	775	98	151.5	17.0	1	31.2	486	22
Latham	LH453V72Ph	VTOP-DL-B	100	150.5	17.6	4	31.9	479	23
Wing	44-86	None	98	148.6	16.1	2	31.9	477	24
Anderson	81180	571-B	100	148.1	17.3	1	31.2	473	27
Team Pro	85-86	None	98	147.9	16.2	2	31.9	476	25
Rock	86382OUT3P	VTOP-DL-B	100	147.8	17.2	7	31.6	472	29
Proseed	988V7288	VTOP	98	147.6	16.3	1	31.9	475	26
Holly	H885V72P	VTOP	99	147.2	16.6	1	31.6	473	28
Rock	86382V72P	VTOP	97	146.2	15.9	3	31.9	472	30
Pioneer	P0157 CK	AQ	101	138.7	18.4	2	31.6	439	46

DATA REJECTED

Mark Querna

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

Averages =	141.8	16.8	2	31.4	455
LSD (0.10) =	21.2	0.6	3		
LSD (0.25) =	11.1	0.3	2		
C.V. =	16.4	Prev. years average yield, 189.5 bu/a, 11 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 snowfall and May rains delayed planting. This strip-till site's soil was fully moisture charged before planting. This level site developed soil saturation issues as rainfall was "a bit too much", and corn roots did not develop well in some areas, especially in the early test. Stalk lodging from strong winds, was very evident in some hybrids. Yield variability of this site is consistent with area 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: 11/04/2018 Revised:

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PEST MANAGEMENT: Force, atrazine, Status
FERTILITY - Applied N: 100 Fall, 35 Spring
Applied N-P-K (units): 135-90-90
SEEDING - RATE - ROW: May 16 35,300 /A 30" spacing
HARVESTED - STAND: Nov 1 32,600 /A

Full-Season Test
102 - 106 Day CRM
B2018MNSW03b

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
Pioneer	P0589 GC	AQ	105	221.5	17.2	0	32.6	708	1
Dairyland	DS-7106PE	PC,E	106	216.6	18.0	1	32.9	688	2
Pfister	64F1PE	PC,E	104	212.8	17.8	1	32.9	677	3
Wyffels	W4196RIB	VT2P,B	105	208.4	17.8	1	32.2	663	5
Pioneer	P0306AM GC	AM,AQ,B	103	208.1	17.4	10	33.3	664	4
Dairyland	DS-7603PE	PC,E	103	208.1	18.3	2	32.2	659	6
Pfister	66Y3PE	PC,E	106	207.8	18.3	4	32.9	658	8
NuTech/G2 Gen	5FB-3603	AM,B	103	207.0	17.7	1	31.9	659	7
NuTech/G2 Gen	E5FN-A604	OI	104	204.8	17.2	1	32.9	654	9
NK Brand	NK0624-3220-EZR	3220,B	106	203.0	18.3	0	32.9	643	11
NuTech/G2 Gen	5F-702	AM,B	102	202.5	17.2	3	32.2	647	10
Viking	63-05	None	104	202.4	17.9	1	31.6	643	12
Viking	55-02	None	102	200.2	18.1	7	32.9	635	14
NK Brand	NK0602-3010	3010	106	199.6	17.8	1	32.9	635	15
LG Seeds	LG53C50STX	STX	103	199.2	16.3	5	32.6	641	13
Viking	51-04	None	104	197.7	16.7	2	32.9	634	16
Epley	E1312SS	STX	103	196.1	16.7	1	32.9	629	18
Latham	LH5245VT2ProRIB	VT2P,B	102	195.2	16.0	1	32.9	630	17
Golden Harvest	G06Q68-3220-EZR	3220,B	106	194.6	18.3	1	32.6	616	22
Latham	LH5487VT2Pro	VT2P	104	193.8	16.5	3	33.3	623	19
Mustang	7202VT2P	VT2P,B	102	193.6	16.3	1	32.9	623	20
Miller Hybrids	M03-33	None	103	192.6	16.0	26	33.3	621	21
Pioneer	P0339AMXT GC	AMXT,AQ,B	103	191.2	17.5	2	31.9	609	23
Renk	RK737VT2P	VT2P	106	190.7	18.0	1	31.9	605	24
Dairyland	RPM-4318AM	AM,B	104	189.8	17.6	4	32.9	605	25
LG Seeds	LG5525VT2RIB	VT2P,B	105	189.0	17.5	1	32.2	602	27
Golden Harvest	G03C84-3120-EZR	3120,B	103	187.7	17.2	3	32.9	600	31
Hefty	H5522VT2P	VT2P	105	187.4	16.4	1	32.6	602	28
Dekalb	DKC55-84RIB GC	STX,B	105	186.8	16.4	3	32.2	601	29
Wyffels	W3078RIB	STX,B	106	186.7	16.2	0	32.9	601	30
Pioneer	P0157 CK	AQ	101	188.8	17.2	5	32.6	603	26

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Averages =	187.6	17.1	3	32.6	600
LSD (0.10) =	16.8	0.5	7		
LSD (0.25) =	8.8	0.3	4		
C.V. =	9.9	Prev. years average yield, 189.5 bu/a, 11 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 (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.