

2018 Corn Grain Top 30 Harvest Report

Minnesota Southwest [MNSW] JACKSON
Steve Ryberg, Jackson County, MN 56143



Test by: IMQ, LLC, New Richland, MN

PREV. CROP/HERB: Soybean / Authority, Roundup, Fusilade
SOIL DESCRIPTION: Nicollet, Clarion clay loam, mod. well drained, non-irrigated
SOIL CONDITION: Conventional w/ fall till, very high P, high K, 6.3 pH, 3.7% OM, 21.9 CEC
PEST MANAGEMENT: Force, Harness, atrazine, Status
FERTILITY - Applied N: 133 Fall
Applied N-P-K (units): 133-102-123
SEDED - RATE - ROW: May 17 35,300 /A 30" spacing
HARVESTED - STAND: Oct 17 33,400 /A

Early-Season Test
96 - 101 Day CRM
B2018MNSW02a

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
LG Seeds	LG5465VT2RIB	VT2P,B	97	240.9	17.7	8	33.6	767	1
Dairyland	RPM-4018AM	AM,AQ,B	101	239.1	18.5	8	32.9	756	2
Wyffels	W2506	VT2P	101	234.4	18.6	6	34.3	741	3
Pioneer	P9998AMXT GC	AMXT,AQ,B	99	234.0	19.1	8	33.3	737	4
Golden Harvest	G00H12-3010	3010	100	233.2	18.6	8	33.9	737	5
Dahlman	R50-357SSRIB	STX,B	100	230.8	18.2	10	33.3	732	6
Dairyland	DS-7101	PC	101	229.8	19.1	2	33.6	723	10
Miller Hybrids	M00-49	None	100	229.7	19.5	11	33.6	721	13
NuTech	5N-800	3011,A	100	229.6	18.4	3	32.6	727	7
Federal	5280VT2PRIB	VT2P,B	102	229.1	18.6	5	33.6	724	9
Viking	57-01	None	101	228.5	18.1	7	33.9	725	8
Pfister	1785VA	3220	99	228.3	18.6	2	33.3	721	14
Hefty	H5024SS	STX	100	227.9	18.5	8	33.6	721	15
Wyffels	W1636	VT2P	96	227.0	17.8	0	32.6	722	12
Titan Pro	EXP 84-01 SS	STX,B	101	226.8	19.3	2	33.3	713	18
Dairyland	DS-9599	3000GT	99	226.6	17.9	9	33.3	720	16
Renk	RK587VT2P	VT2P,B	97	225.8	17.4	6	33.3	720	17
Enestvedt	E696SSRIB	STX,B	100	225.4	18.9	9	33.9	711	21
Anderson	684R	RR2	98	224.5	18.0	10	32.2	713	19
Mustang	4297VT2PRIB	VT2P,B	97	223.5	17.4	5	33.3	713	20
Dahlman	R48-21VT2PRIB	VT2P,B	96	222.0	17.7	10	33.3	707	22
Dekalb	DKC50-08RIB	STX,B	100	221.2	18.7	3	33.6	698	23
Titan Pro	TP 78-98 SS	STX,B	98	220.4	18.3	5	33.3	698	24
Epley	E9520	None	95	217.6	17.6	3	34.3	693	25
Pfister	60C2PC	PC	100	217.6	19.0	2	33.3	685	28
Latham	LH4937VT2Pro	VT2P	99	216.9	17.8	8	33.6	690	26
Hefty	H4922VT2P	VT2P	99	215.9	18.0	11	32.9	685	29
Dahlman	R49-23VT2PRIB	VT2P,B	98	215.8	17.4	3	32.6	688	27
Blue River	38G54	None	96	215.5	18.4	6	34.3	682	31
Federal	4990SSTAX	STX	99	215.4	18.0	6	33.6	684	30
Pioneer	P0157 CK	AQ	101	229.2	18.8	8	34.3	723	11

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

Averages = **213.8** **18.1** **7** **33.4** **678**

LSD (0.10) = 15.2 1.0 5

LSD (0.25) = 8.0 0.5 3

C.V. = 7.8

Prev. years average yield, 200.4 bu/a, 16 yrs

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

Test Comments: *Snowfall in mid-April delayed planting, and early May rains further delayed planting in this area. Emergence was excellent, and the crop tolerated plentiful moisture all season. A strong storm on Sept 20th affected stalk lodging in some rows, but these east/west planted rows resisted lodging better than north/south rows. Ears hung down at harvest, but none were on the ground.*

† 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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SOIL CONDITION: Conventional w/ fall till, very high P, high K, 6.3 pH, 3.7% OM, 21.9 CEC
PEST MANAGEMENT: Force, Harness, atrazine, Status
FERTILITY - Applied N: 133 Fall
Applied N-P-K (units): 133-102-123
SEEDING - RATE - ROW: May 17 35,300 /A 30" spacing
HARVESTED - STAND: Oct 17 33,300 /A

Full-Season Test
102 - 106 Day CRM
B2018MNSW02b

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
Pfister	66Y3PE	PC,E	106	238.6	20.3	13	33.3	744	1
Dairyland	DS-7603PE	PC,E	103	237.4	20.1	7	34.6	741	2
Golden Harvest	G06Z97-3120-EZR	3120,B	106	233.9	19.7	18	32.9	733	4
Latham	LH5245VT2ProRIB	VT2P,B	102	233.2	18.5	3	33.9	737	3
Titan Pro	TP 77-06 SS	STX,B	106	233.0	19.5	3	33.9	731	5
Pioneer	P0589 GC	AQ	105	231.3	19.5	7	34.3	726	6
Pfister	65G1SE	STX,E	105	230.7	20.5	3	33.6	718	9
Dairyland	RPM-4318AM	AM,B	104	230.2	18.9	16	33.9	726	7
Viking	55-02	None	102	229.6	19.6	17	33.3	720	8
Hefty	H5522VT2P	VT2P	105	226.6	20.0	4	32.6	708	11
Pioneer	P0339AMXT GC	AMXT,AQ,B	103	226.5	19.8	4	32.9	709	10
Latham	LH5487VT2Pro	VT2P	104	225.8	20.0	4	33.9	706	12
LG Seeds	LG5525VT2RIB	VT2P,B	105	225.1	19.8	5	33.6	705	13
Titan Pro	TP 70-06	None	106	225.0	20.3	12	33.3	701	14
NK Brand	NK0624-3220-EZR	3220,B	106	224.4	21.0	6	33.3	696	16
LG Seeds	LG53C50STX	STX	103	222.7	19.5	17	33.6	699	15
Viking	42-05	None	105	221.9	20.2	7	33.3	692	17
Latham	LH5505VT2ProRIB	VT2P,B	105	221.3	20.3	5	33.3	690	18
Dairyland	DS-7106PE	PC,E	106	221.1	21.1	5	32.9	685	21
Golden Harvest	G03C84-3120-EZR	3120,B	103	219.7	19.6	8	34.3	689	19
Mustang	6805SSRIB	STX,B	105	219.0	19.7	10	32.6	686	20
Pfister	64F1PE	PC,E	104	218.3	20.9	5	33.9	677	29
Renk	RK737VT2P	VT2P	106	217.8	19.9	5	33.3	681	24
NuTech/G2 Gen	E5FN-A604	OI	104	217.6	20.5	8	32.9	677	30
Viking	51-04	None	104	217.5	19.7	24	33.6	681	25
Wyffels	W3078RIB	STX,B	106	216.9	19.5	4	33.6	681	26
Pioneer	P0306AM GC	AM,AQ,B	103	216.9	19.4	18	32.6	681	27
Pfister	63A3SSR	STX,B	103	216.7	19.6	9	33.6	679	28
Miller Hybrids	M06-39	None	106	216.3	18.5	3	33.6	684	22
NuTech/G2 Gen	5F-702	AM,B	102	215.9	18.5	9	32.6	683	23
Pioneer	P0157 CK	AQ	101	203.5	19.4	8	33.9	639	52

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Averages =	213.8	19.6	8	33.3	670
LSD (0.10) =	15.8	0.8	5		
LSD (0.25) =	8.3	0.4	3		
C.V. =	8.1			Prev. years average yield, 200.4 bu/a, 16 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.