

2018 Corn Grain Top 30 Harvest Report

Minnesota Southwest [MNSW] LAMBERTON
Ed Iverson, Redwood County, MN 56152



Test by: IMQ, LLC, New Richland, MN

PREV. CROP/HERB: Soybean / Prowl, Roundup
SOIL DESCRIPTION: Romnell, North Twin-Walnut Grove clay loam, moderately drained, non-irrigated
SOIL CONDITION: Conventional w/o fall till, high P, high K, 6 pH, 4.4% OM, 27.5 CEC
PEST MANAGEMENT: Force, Callisto, Accent, atrazine
FERTILITY - Applied N: 190 Spring
Applied N-P-K (units): 190-90-90
SEEDING - RATE - ROW: May 20 35,300 /A 30" spacing
HARVESTED - STAND: Nov 10 33,000 /A

Early-Season Test
96 - 101 Day CRM
B2018MNSW04a

Top 30 of 72

For Gross Income (Sorted by Yield)
Average of (3) Replications

Company/Brand	Product/Brand†	Technol.†	RM	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Dairyland	DS-9599	3000GT	99	235.5	16.9	4	33.9	754	2
NuTech	5N-800	3011,A	100	230.8	17.5	5	33.5	736	3
NuTech/G2 Gen	5FN-2596	OI	96	225.1	16.9	7	33.0	721	4
Epley	E9520	None	95	223.7	16.7	2	34.4	718	5
Pfister	60C2PC	PC	100	221.2	17.9	2	33.9	703	7
Hefty	H5024SS	STX	100	220.3	17.1	6	33.9	704	6
Dairyland	RPM-4018AM	AM,AQ,B	101	220.3	17.9	11	33.0	700	8
Dekalb	DKC50-08RIB	STX,B	100	218.8	17.3	6	31.7	699	9
Golden Harvest	G00H12-3010	3010	100	218.7	17.3	3	32.6	698	10
Latham	LH5137VT2Pro	VT2P	101	217.7	17.5	3	33.5	694	11
Dairyland	DS-7101	PC	101	217.7	18.1	2	32.6	691	14
Pfister	1785VA	3220	99	216.9	17.3	2	32.6	692	13
Renk	RK579DGV2P	VT2P,DG	98	216.7	16.9	7	34.8	694	12
Federal	4880SSTXRIB	STX,B	98	215.9	17.0	7	32.1	691	15
Golden Harvest	G97N86-3110	3110	97	215.3	17.1	8	33.9	688	17
Federal	4990SSTAX	STX	99	215.0	16.9	7	33.9	689	16
LG Seeds	LG5465VT2RIB	VT2P,B	97	214.8	16.8	10	35.3	688	18
Anderson	611SRC	STX,B	100	214.4	17.7	3	33.0	682	20
Wyffels	W2506	VT2P	101	214.3	17.1	2	32.6	685	19
NK Brand	NK9659-3120-EZR	3120,B	96	212.8	17.1	6	33.0	680	21
Miller Hybrids	M00-49	None	100	212.7	18.6	7	33.5	672	23
Federal	5280VT2PRIB	VT2P,B	102	211.7	17.3	3	33.9	676	22
Anderson	684R	RR2	98	210.9	17.5	8	33.5	672	24
Viking	57-01	None	101	210.4	17.6	2	33.0	670	26
Wyffels	W1636	VT2P	96	210.2	17.1	2	33.0	672	25
Titan Pro	EXP 84-01 SS	STX,B	101	209.4	18.0	2	33.0	665	28
LG Seeds	LG5505STXRIB	STX,B	101	208.9	17.2	7	34.8	667	27
Titan Pro	85-96	None	96	206.5	16.6	4	31.2	663	29
NK Brand	NK9852-3010	3010	98	205.4	17.2	4	33.0	656	30
Golden Harvest	G96V99-3120-EZR	3120,B	96	205.3	17.3	9	34.4	655	31
Pioneer	P0157 CK	AQ	101	239.9	17.4	6	32.1	765	1

Mark Querna
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Averages = **203.2** **17.1** **5** **33.0** **650**

LSD (0.10) = 16.5 0.4 3

LSD (0.25) = 8.7 0.2 2

C.V. = 7.7

New test site, no yield history

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

Test Comments: *Wet and cold conditions delayed planting, but soil conditions were excellent at planting. This is a level, tile drained site. However, over 40 inches of rain fell during the growing season. Saturated soils caused yield drops in slight draws and between tile lines. Plants reached pollination ahead of normal, but yields varied due to excess soil moisture. Strong winds on Sept 20 lodged several hybrids.*

† 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/o fall till, high P, high K, 6 pH, 4.4% OM, 27.5 CEC
PEST MANAGEMENT: Force, Callisto, Accent, atrazine
FERTILITY - Applied N: 190 Spring
Applied N-P-K (units): 190-90-90
SEEDING - RATE - ROW: May 20 35,300 /A 30" spacing
HARVESTED - STAND: Nov 10 33,000 /A

Full-Season Test
102 - 106 Day CRM
B2018MNSW04b

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	64F1PE	PC,E	104	227.1	18.6	5	32.6	718	2
Titan Pro	TP 70-06	None	106	226.6	18.3	5	33.9	718	3
Viking	51-04	None	104	223.7	18.6	16	33.9	707	5
Pioneer	P0589 GC	AQ	105	222.8	17.8	4	34.3	709	4
Viking	55-02	None	102	222.8	18.1	7	32.9	707	6
Pfister	66Y3PE	PC,E	106	222.7	19.7	13	33.3	698	7
Dairyland	DS-7106PE	PC,E	106	218.9	18.6	3	32.6	692	8
Dairyland	DS-7603PE	PC,E	103	218.8	18.6	12	32.9	691	9
NK Brand	NK0602-3010	3010	106	218.3	18.6	6	33.3	690	10
Miller Hybrids	M03-33	None	103	216.4	17.9	15	35.0	688	11
Pfister	65G1SE	STX,E	105	216.3	18.4	0	33.9	685	12
Wyffels	W4196RIB	VT2P,B	105	215.5	18.1	3	33.3	684	13
Viking	63-05	None	104	215.3	19.2	8	31.6	677	16
Latham	LH5245VT2ProRIB	VT2P,B	102	213.4	17.6	4	33.9	680	14
LG Seeds	LG53C50STX	STX	103	212.8	17.5	8	33.9	678	15
Pioneer	P0589AMXT GC	AMXT,AQ,B	105	211.7	18.3	3	32.2	671	17
Latham	LH5505VT2ProRIB	VT2P,B	105	210.4	17.8	4	32.9	669	18
Viking	42-05	None	105	210.4	18.2	6	33.9	667	19
NK Brand	NK0624-3220-EZR	3220,B	106	210.2	18.6	3	32.6	664	21
Pioneer	P0306AM GC	AM,AQ,B	103	210.0	18.3	5	32.2	665	20
Mustang	6805SSRIB	STX,B	105	208.4	18.1	3	32.6	661	22
Titan Pro	82-04 2P	VT2P,B	104	207.2	17.7	3	32.6	659	23
Hefty	H5504SSRIB	STX,B	105	205.4	17.7	3	31.9	654	24
Titan Pro	TP 77-06 SS	STX,B	106	204.8	18.0	3	33.3	650	25
Dairyland	RPM-4318AM	AM,B	104	203.7	18.4	8	34.6	645	26
NuTech/G2 Gen	E5FN-A604	OI	104	203.2	18.4	6	33.3	643	28
Latham	LH5487VT2Pro	VT2P	104	203.1	17.9	5	32.6	645	27
Golden Harvest	G06Q68-3220-EZR	3220,B	106	202.0	18.8	5	33.3	637	30
LG Seeds	LG5525VT2RIB	VT2P,B	105	201.7	18.3	5	33.3	639	29
Dekalb	DKC55-84RIB GC	STX,B	105	199.5	18.0	5	31.9	633	31
Pioneer	P0157 CK	AQ	101	228.2	18.3	3	33.6	723	1

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Averages = **200.6** **18.0** **5** **33.0** **637**

LSD (0.10) = 15.9 0.4 3

LSD (0.25) = 8.3 0.2 2

C.V. = 8.7

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Test Comments: *Wet and cold conditions delayed planting, but soil conditions were excellent at planting. This is a level, tile drained site. However, over 40 inches of rain fell during the growing season. Saturated soils caused yield drops in slight draws and between tile lines. Plants reached pollination ahead of normal, but yields varied due to excess soil moisture. Strong winds on Sept 20 lodged several hybrids.*

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Report Date: 11/12/2018 Revised:

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.