

2017 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, Durango
SOIL DESCRIPTION: Glencoe-Jeffers clay loam, moderately drained, non-irrigated
SOIL CONDITION: Minimum w/ fall till, high P, high K, 6.4 pH, 4.5% OM
PEST MANAGEMENT: Force, SureStart, Status
FERTILITY - Applied N: 162 Fall
Applied N-P-K (units): 162-80-60
SEEDING - RATE - ROW: May 8 35,318 /A 30" spacing
HARVESTED - STAND: Oct 30 33,100 /A

Early-Season Test

96 - 101 Day CRM
B2017MNSW03a

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
Viking	57-01N	None	101	260.1	14.7	1	32.7	819	1
Prairie Brand	5148GT	GT	101	258.3	15.3	3	33.0	812	2
Viking	89-99N Art	None,A	99	253.9	14.8	13	33.4	800	3
Federal	5280VT2P	VT2P	102	251.2	15.2	0	33.7	790	4
LG Seeds	LG5465VT2P	VT2P	97	244.7	14.9	1	35.1	771	5
Pfister	1785GT3	3000GT	98	244.1	15.0	12	34.4	769	6
Latham	LH4919SS	STX	99	237.2	15.1	0	33.4	747	7
Hefty	H4812VT2P	VT2P	98	236.3	14.6	0	33.7	744	8
NorthStar	NS100-531GENSSRIB	STX,B	100	235.9	15.1	0	33.4	742	9
Dahlman	R48-21VT2P	VT2P	96	235.7	14.7	0	32.0	742	10
Federal	5060SSTAXRIB	STX,B	100	234.5	15.3	0	34.4	737	12
Mustang	4297VT2PRIB	VT2P,B	97	234.3	14.9	0	34.7	738	11
Wyffels	W2198RIB	STX,B	100	232.7	15.1	0	33.0	732	13
Viking	44-98	None	98	232.5	14.5	0	32.0	732	14
NuTech/G2 Gen	5FN-7099^	OI	99	232.1	14.3	0	30.6	731	15
NuTech	5N-800	3011,A	100	229.0	15.9	1	34.4	716	17
Champion	50A18VT2PRO	VT2P	100	228.3	14.8	0	32.7	719	16
Thunder	4600RR	RR2	100	227.4	15.1	1	33.4	716	18
Dekalb	DKC51-38RIB GC	STX,B	101	226.1	15.2	0	32.0	711	19
Mustang	7801SSRIB	STX,B	101	226.1	15.7	0	33.4	708	21
Anderson	611SRC	STX,B	101	225.8	15.3	0	33.0	710	20
Golden Harvest	G01D24-3120-EZR	3120,B	101	224.7	15.3	6	31.6	706	22
Hefty	H4912VT2P	VT2P	99	223.4	14.4	0	34.0	704	23
Titan Pro	TP 75-01 SS	STX	101	222.9	15.0	1	33.4	702	24
NuTech/G2 Gen	5F-601^	AM,AQ,B	101	222.8	14.6	0	33.0	702	25
Champion	51A18DGV2PRO	VT2P,DG	101	221.5	15.1	0	31.3	697	26
LG Seeds	LG5499STXRIB	STX,B	100	221.1	15.3	9	34.7	695	27
Wyffels	W1886	VT2P	97	220.5	14.3	0	34.7	695	28
Anderson	6284	None	98	220.4	15.0	0	33.0	694	29
Enestvedt	E698VT2Pro	VT2P	100	220.2	14.8	0	33.7	694	30
Dekalb	DKC52-84RIB CK	STX,B	102	194.4	14.5	0	33.4	612	67

Mark Querna

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

Averages = **214.7** **14.9** **2** **33.1** **676**

LSD (0.10) = 15.4 0.5 6

LSD (0.25) = 8.1 0.3 3

C.V. = 7.9 Prev. years average yield, 183.0 bu/a, 10 yrs

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$3.15; non-GMO = \$3.15

Test Comments: Rainfall was plentiful here all season, perhaps just a bit too much at times. The corn looked good at harvest, although some stalk lodging, along with goosenecking, detracted from final yields in several plots. Rick is happy with his yields across his fields, but telling me that yields are not quite as good as last year. This level site did show some areas lower yields due to excess water.

† 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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PEST MANAGEMENT: Force, SureStart, Status
FERTILITY - Applied N: 162 Fall
Applied N-P-K (units): 162-80-60
SEEDING - RATE - ROW: May 8 35,318 /A 30" spacing
HARVESTED - STAND: Oct 30 33,200 /A

Full-Season Test
102 - 105 Day CRM
B2017MNSW03b

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
Wyffels	W4196	VT2P	105	256.9	16.5	0	34.7	800	1
Viking	42-05	None	105	255.8	16.5	5	34.7	796	2
Champion	52A18VT2PRO	VT2P	102	249.5	15.9	0	33.0	780	3
NorthStar	NS104-167GENSSRIB	STX,B	104	247.7	15.6	0	32.0	777	4
Viking	63-05	None	105	247.5	16.7	1	33.7	769	7
Golden Harvest	G03A50-3120-EZR	3120,B	103	247.3	16.1	2	33.7	772	5
Mustang	7803SSRIB	STX,B	103	245.9	16.0	0	34.4	768	9
Dairyland	DS-9804SSX	STX	104	245.8	15.5	0	32.7	771	6
Federal	5550CONV	None	105	245.2	16.8	18	33.7	761	11
Hefty	H5212VT2P	VT2P	102	244.7	15.3	1	32.7	769	8
Prairie Brand	5398SX	STX	103	244.6	16.1	0	32.3	764	10
LG Seeds	LG5530VT2P	VT2P	105	240.9	15.5	15	33.4	756	12
Renk	RK642SSTX	STX	103	237.8	15.7	0	33.4	745	13
NuTech/G2 Gen	5F-504^	AM,B	104	232.6	16.2	5	33.4	726	14
Pioneer	P0589AMXT GC	AMXT,AQ,B	105	232.0	15.8	0	32.3	726	15
Renk	RK680SSTX	STX,B	103	230.4	16.0	0	32.7	720	17
Golden Harvest	G03C84-3120-EZR	3120,B	103	230.2	15.8	28	34.7	721	16
Latham	LH5505VT2ProRIB	VT2P,B	105	230.0	15.8	7	31.6	720	18
Pfister	61D2SSR	STX,B	101	229.4	16.1	0	35.8	716	21
Wyffels	W4796RIB	VT2P,B	106	229.2	15.7	0	31.6	718	19
Dekalb	DKC54-38RIB GC	STX,B	104	229.0	15.8	0	32.3	717	20
Pfister	65B1RR	RR2	105	228.3	16.1	7	33.0	713	22
Latham	LH5215VT2ProRIB	VT2P,B	102	227.9	15.8	0	33.4	713	23
Wyffels	W3078RIB	STX,B	106	226.9	16.0	0	34.0	709	25
Dekalb	DKC53-56RIB GC	STX,B	103	226.8	16.0	0	34.0	709	26
Pfister	63A3SS	STX	103	226.7	16.2	0	32.3	707	27
Dahlman	R52-24VT2P	VT2P	103	225.6	14.8	0	34.7	711	24
NuTech/G2 Gen	X5FN-0306^	OI	103	222.6	15.8	1	33.7	697	28
Mustang	7202VT2PRIB	VT2P,B	102	221.8	15.5	0	32.3	696	29
NuTech/G2 Gen	5F-702^	AM,B	102	219.7	14.4	0	33.4	692	30
Dekalb	DKC52-84RIB CK	STX,B	102	202.5	15.4	0	32.3	636	45

Mark Querna

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Averages = **220.4** **15.8** **2** **33.2** **690**

LSD (0.10) = 20.0 ns 7

LSD (0.25) = 10.5 ns 4

C.V. = 10.0 Prev. years average yield, 183.0 bu/a, 10 yrs

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$3.15; non-GMO = \$3.15

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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,P2	101	Pfister	1740RASS	STX,B	CM,C5,Vi,In	98
Anderson	6284	None	MQ	98	Pfister	1785GT3	3000GT	CM,C5,Vi,In	98
Anderson	669SRC	STX,B	AC,P2	97	Pfister	60B1SSR	STX,B	CM,C5,Vi,In	100
Anderson	7995	None	MQ	95	Prairie Brand	5148GT	GT	CM,C5,Vi,In	101
Champion	50A18VT2PRO	VT2P	AC,P5V	100	Proseed	1595VT2PRIB	VT2P,B	AC,P2	95
Champion	51A18DGV2PRO	VT2P,DG	AC,P2	101	Proseed	1598VT2PRIB	VT2P,B	AC,P2	98
Dahlman	R48-21VT2P	VT2P	AC,P5V	96	Proseed	GX695-3000GT	3000GT	CM,C2	95
Dahlman	R49-23VT2PRIB	VT2P,B	AC,P2	98	Proseed	PX694VT2PRIB	VT2P,B	AC,P2	94
Dahlman	R49-342SSRIB	STX,B	AC,P5V	98	Renk	RK595SSTX	STX,B	AC,P5V	99
Dahlman	R51-22VT2P	VT2P	AC,P5V	101	Renk	RK608DGV2P	VT2P,DG,B	AC,P2	100
Dekalb	DKC44-13RIB GC	STX,B	AC,P5V	94	Renk	RK612SSTX	STX,B	AC,P5V	100
Dekalb	DKC46-36RIB GC	STX,B	AC,P5V	96	Renk	RK629VT3P	VT3P,B	AC,P2	101
Dekalb	DKC51-38RIB GC	STX,B	AC,P5V	101	Thunder	4600RR	RR2	AC,P2	100
Dekalb	DKC52-84RIB CK	STX,B	AC,P5V	102	Thunder	6798VT2PRIB	VT2P,B	AC,P2	98
Dyna-Gro	D39DC43	VT2P,DG	AC,P5V	99	Thunder	7396VT2PRIB	VT2P,B	AC,P2	96
Enestvedt	E696SSRIB	STX,B	AC,P5V	100	Titan Pro	TP 58-01 2P	VT2P,B	AC,P5V	101
Enestvedt	E698VT2Pro	VT2P	AC,P5V	100	Titan Pro	TP 65-00 2P	VT2P,DG	AC,P2	100
Epley	E1020	None	MQ	100	Titan Pro	TP 71-98 2P	VT2P	AC,P2	98
Federal	5060SSTAXRIB	STX,B	AC,P5V	100	Titan Pro	TP 75-01 SS	STX	AC,P5V	101
Federal	5280VT2P	VT2P	AC,P5V	102	Viking	44-98	None	AC,P2	98
Golden Harvest	G01D24-3120-EZR	3120,B	AVC,C2,Vi	101	Viking	53-01 Art	None,A	CM,C2	101
Golden Harvest	G96V99-3120-EZR	3120,B	AVC,C2,Vi	96	Viking	57-01N	None	CM,C2	101
Golden Harvest	G98L17-3000GT	3000GT	AVC,C2,Vi	98	Viking	89-99N Art	None,A	CM,C2	99
Hefty	H4812VT2P	VT2P	AC,P2,In	98	Wyffels	W1886	VT2P	AC,P5V	97
Hefty	H4912VT2P	VT2P	AC,P2,In	99	Wyffels	W1968RIB	STX,B	AC,P5V	101
Hefty	H5003VT2PDGRIB	VT2P,DG,B	AC,P2,In	100	Wyffels	W2086RIB	VT2P,B	AC,P2	98
Hefty	H5114SS	STX	AC,P5V,In	101	Wyffels	W2198RIB	STX,B	AC,P5V	100
Latham	LH465VT2Pro	VT2P	AC,P5V	96					
Latham	LH4919SS	STX	AC,P5V	99					
Latham	LH5025VT2ProDG	VT2P,DG	AC,P5	100					
Latham	LH5095VT2ProRIB	VT2P,B	AC,P2	100					
LG Seeds	LG5465VT2P	VT2P	AC,P5V	97					
LG Seeds	LG5494VT2P	VT2P	AC,P5V	99					
LG Seeds	LG5499STXRIB	STX,B	AC,P5V	100					
Mustang	4297VT2PRIB	VT2P,B	AC,P2	97					
Mustang	5299VT2PRIB	VT2P,B	AC,P2	99					
Mustang	5700VT2PDGRIB	VT2P,DG,B	AC,P2	100					
Mustang	7801SSRIB	STX,B	AC,P2	101					
NorthStar	NS100-531GENSSRIB	STX,B	AC,P5V	100					
NorthStar	NS96-103GENSSRIB	STX,B	AC,P5V	96					
NuTech	5N-800	3011,A	MQ,P5V,R	100					
NuTech/G2 Gen	5F-196^	AM,B	MQ,P5V,R	96					
NuTech/G2 Gen	5F-601^	AM,AQ,B	MQ,P5V,R	101					
NuTech/G2 Gen	5FN-5096^	OI	MQ,P1V,R	96					
NuTech/G2 Gen	5FN-7099^	OI	MQ,P1V,R	99					

2017 Corn Grain - Minnesota Southwest [MNSW]



Full-Season Test Products (56 Total)

Company/Brand	Product/Brand	Technol.	Seed Trt.	RM	Company/Brand	Product/Brand	Technol.	Seed Trt.	RM
Anderson	5303	None	MQ	103	Renk	RK675DGV2P	VT2P,DG,B	AC,P2	103
Champion	52A18VT2PRO	VT2P	AC,P5V	102	Renk	RK680SSTX	STX,B	AC,P5V	103
Champion	CSX54A17VT2PRORIB	VT2P,B	AC,P2	104	Renk	RK717SSTX	STX,B	AC,P5V	105
Dahlman	R52-24VT2P	VT2P	AC,P5V	103	Titan Pro	TP 53-03 2P	VT2P,B	AC,P5V	103
Dahlman	R53-354SSRIB	STX,B	AC,P5V	105	Viking	40-03UP	None	CM,C2	103
Dairyland	DS-9802RA	STX,B	CM,C5,Vi,In	102	Viking	42-05	None	CM,C2	105
Dairyland	DS-9804SSX	STX	CM,C5,Vi,In	104	Viking	63-05	None	CM,C2	105
Dekalb	DKC52-84RIB CK	STX,B	AC,P5V	102	Wyffels	W2618RIB	STX,B	AC,P5V	104
Dekalb	DKC53-56RIB GC	STX,B	AC,P5V	103	Wyffels	W3078RIB	STX,B	AC,P5V	106
Dekalb	DKC54-36 GC	None	AC,P2	104	Wyffels	W4196	VT2P	AC,P5V	105
Dekalb	DKC54-38RIB GC	STX,B	AC,P5V	104	Wyffels	W4796RIB	VT2P,B	AC,P2	106
Dyna-Gro	D44VC36	VT2P	AC,P5V	104					
Dyna-Gro	D45SS65	STX	AC,P5V	105					
Federal	5370SSTAXRIB	STX,B	AC,P5V	103					
Federal	5550CONV	None	CM,C2	105					
Federal	5550VT2PRIB	VT2P,B	AC,P2	105					
Golden Harvest	G03A50-3120-EZR	3120,B	AVC,C2,Vi	103					
Golden Harvest	G03C84-3120-EZR	3120,B	AVC,C2,Vi	103					
Hefty	H5212VT2P	VT2P	AC,P2,In	102					
Hefty	H5302VT2PRIB	VT2P,B	AC,P2,In	103					
Hefty	H5504SSRIB	STX,B	AC,P5V,In	105					
Latham	LH5215VT2ProRIB	VT2P,B	AC,P2	102					
Latham	LH5245VT2Pro	VT2P	AC,P5V	102					
Latham	LH5339SSRIB	STX,B	AC,P5V	103					
Latham	LH5505VT2ProRIB	VT2P,B	AC,P2	105					
LG Seeds	LG5505STX	STX	AC,P5V	102					
LG Seeds	LG5507STXRIB	STX,B	AC,P5V	103					
LG Seeds	LG5530VT2P	VT2P	AC,P5V	105					
Mustang	7202VT2PRIB	VT2P,B	AC,P2	102					
Mustang	7803SSRIB	STX,B	AC,P2	103					
Mustang	8805SSRIB	STX,B	AC,P2	105					
NorthStar	NS103-169GENSSRIB	STX,B	AC,P5V	103					
NorthStar	NS104-167GENSSRIB	STX,B	AC,P5V	104					
NuTech/G2 Gen	5F-503^	AM,B	MQ,P5V,R	103					
NuTech/G2 Gen	5F-504^	AM,B	MQ,P5V,R	104					
NuTech/G2 Gen	5F-702^	AM,B	MQ,P5V,R	102					
NuTech/G2 Gen	X5FN-0306^	OI	MQ,P1V,R	103					
Pfister	61D2SSR	STX,B	CM,C5,Vi,In	101					
Pfister	62A1SSR	STX,B	CM,C5,Vi,In	102					
Pfister	63A3SS	STX	CM,C5,Vi,In	103					
Pfister	65B1RR	RR2	CM,C5,Vi,In	105					
Pioneer	P0589 GC	None	MQ,C2	105					
Pioneer	P0589AMXT GC	AMXT,AQ,B	MQ,C2,Lu	105					
Prairie Brand	5398SX	STX	CM,C5,Vi,In	103					
Renk	RK642SSTX	STX	AC,P5V	103					

Footnotes and Abbreviation Descriptions

Brand Footnotes

^	G2 [®] brand seed is distributed by NuTech Seed, LLC. Catalyst™ and Power Plus [®] brand seed is distributed by Burrus. HPT [®] brand seed is distributed by Hoegemeyer Hybrids, Innotech™ brand seed is distributed by Rob-See-Co, LLC. RPM [®] brand seed is distributed by Doebler's PA Hybrids, Inc. Supreme EX [®] brand seed is distributed by Seed Consultants, Inc. VPMaxx [®] brand seed is distributed by AgVenture, Inc. XL [®] and Phoenix [®] brand seed is distributed by Beck's Superior Hybrids. Curry [®] , G2 [®] , HPT [®] , Power Plus [®] , RPM [®] , Supreme EX [®] , VPMaxx [®] and XL [®] are registered trademarks of DuPont Pioneer. Catalyst™, Innotech™ and Phoenix [®] are trademarks of Syngenta.
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)	GT	Agrisure [®] GT
3010	Agrisure [®] 3010 (CB,LL,GT)	HX	Herculex [®] 1, contains LL
3011,A	Agrisure [®] Artesian [®] (CB,RW,LL,GT)	HXRW	Herculex [®] Rootworm, contains LL
3110	Agrisure [®] Viptera [®] 3110 (Vip, CB,LL,GT)	HXT	Herculex [®] Xtra (HX,HXRW,LL)
3111	Agrisure [®] Viptera [®] 3111 (Vip,CB,RW,LL,GT)	LL	LibertyLink [®]
3120	Agrisure [®] 3120 (CB,HX,LL,GT)	None	conventional corn
3122	Agrisure [®] 3122 (CB,HXX,RW,LL,GT)	OI	Optimum [®] Intrasect [®] , YHR (YGCB,HX,LL,RR2)
3220	Agrisure [®] Viptera [®] 3220 (Vip,CB,HX,LL,GT)	OIX	Optimum [®] Intrasect [®] Xtra, YXR (YGCB,HXT,LL,RR2)
A	Agrisure [®] Artesian [®]	OIXT	Optimum [®] Intrasect [®] Xtreme (YGCB,HXT,RW,LL,RR2)
AM	Optimum [®] AcreMax [®] (YGCB,HX,LL,RR2)	PC	PowerCore™ (HX, VT2P)
AMT	Optimum [®] AcreMax [®] TRIsect (HX,RW,LL,RR2)	RR2	Roundup Ready [®] 2 Corn
AMX	Optimum [®] AcreMax [®] Xtra (YGCB,HXT,LL,RR2)	RW	Agrisure [®] Rootworm
AMXT	Optimum [®] AcreMax [®] Xtreme (YGCB,HXT,RW,LL,RR2)	STX	SmartStax [®] (VT3P,HXT,RR2,LL)
AQ	Optimum [®] AQUAMax [®]	VT2P	Genuity [®] VT Double PRO [®]
B	Refuge Blend	VT3P	Genuity [®] VT Triple PRO [®]
CB	Agrisure [®] Corn Borer	YGCB	YieldGard [®] Corn Borer
DG	Genuity [®] DroughtGard [®]		

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

Corn Seed Treatments**

?	information unavailable	In	Intego™ Solo
A	Allegiance [®]	L	Lorsban [®]
AC	Acceleron [®] fungicide products	Lu	Lumivia™
AL2500	Alert 2500™	M	Maxim XL [®]
At	Actellic [®]	MQ	Maxim Quattro [®]
AVC	Avicta [®] Complete Corn	None	untreated
C2, C5, C1	Cruiser [®] at 0.25, 0.5 and 1.25 mg ai/seed, respectively	P2, P5, P1	Poncho [®] at 0.25, 0.5 and 1.25 mg ai/seed, respectively
CE	Cruiser Extreme [®]	R	Raxil [®]
CM	CruiserMaxx [®] Corn	SC	SHIELDCoat™
D	Dynasty [®]	V	Votivo [®]
Es	Escalate [®]	Vi	Vibrance [®]

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