

2017 Corn Grain Top 30 Harvest Report

Minnesota West Central [MNWC] CLINTON
Doug Nelson, Big Stone County, MN 56225



PREV. CROP/HERB: Soybean
SOIL DESCRIPTION: Fram-Vallers-Parnell loam, mod. poor drained, non-irrigated
SOIL CONDITION: Conventional w/ fall till, very high P, medium K, 6.6 pH, 4.0% OM, 24.7 CEC
PEST MANAGEMENT: Precept, Dual II Magnum, Callisto, Roundup
FERTILITY - Applied N: 150 Spring
Applied N-P-K (units): 150-50-30
SEEDING - RATE - ROW: May 6 35,080 /A 30" spacing
HARVESTED - STAND: Oct 25 34,300 /A

Early-Season Test

93 - 98 Day CRM
B2017MNWC02a

Top 30 of 54

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
Dahlman	R48-28VT2P	VT2P	95	228.3	17.8	0	33.9	646	1
Hefty	H4812VT2P	VT2P	98	221.9	17.8	0	35.3	628	3
Titan Pro	TP 61-94 3110A	3110,A	94	220.6	16.6	0	34.4	631	2
Federal	4580VT2P	VT2P	95	219.8	17.9	0	34.4	621	4
Renk	RK596SSTX	STX,B	98	219.6	17.8	0	33.9	621	5
Latham	LH4657VT2Pro	VT2P	96	217.9	18.2	0	34.4	614	8
Dahlman	R48-21VT2P	VT2P	96	217.7	18.0	0	34.8	615	7
Enestvedt	E656SSRIB	STX,B	95	216.3	17.6	0	34.4	613	9
Dairyland	DS-7294	3110	94	216.2	16.8	0	34.8	617	6
Hefty	H4612VT2P	VT2P	96	214.9	18.1	0	34.8	607	10
Dahlman	R49-342SSRIB	STX,B	98	214.7	18.2	0	34.4	605	13
Latham	LH4454VT2ProRIB	VT2P,B	94	214.0	17.8	0	34.4	606	11
Mustang	3894SSRIB	STX,B	94	212.7	17.0	0	34.4	606	12
Federal	4880VT2P	VT2P	98	211.7	17.6	0	34.8	600	14
Hefty	H4504SSRIB	STX,B	95	211.4	18.1	0	34.8	597	15
Mustang	4297VT2PRIB	VT2P,B	97	210.6	18.1	0	33.9	594	16
Dahlman	R49-23VT2PRIB	VT2P,B	98	210.2	18.3	0	33.9	592	18
Legacy Seeds	L-3712VT2PRORIB	VT2P,B	96	209.9	18.1	0	33.4	592	19
Proseed	PX694VT2PRIB	VT2P,B	94	208.6	17.1	0	34.8	594	17
Thunder	6798VT2PRIB	VT2P,B	98	208.3	18.0	0	34.4	588	21
LG Seeds	LG5465VT2P	VT2P	97	208.1	18.2	0	34.8	587	22
Proseed	1591VT2PRIB	VT2P,B	91	207.1	17.0	0	34.4	590	20
Golden Harvest	G97N86-3110	3110	97	205.8	17.2	0	34.8	586	23
Legacy Seeds	L-3626VT2PRORIB	VT2P,B	97	205.4	18.5	0	34.8	578	26
Mustang	3294VT2PRIB	VT2P,B	94	205.3	17.5	0	32.9	583	24
LG Seeds	LG5420-3110A	3110,A	94	204.9	17.5	0	34.8	581	25
Anderson	669SRC	STX,B	97	204.0	17.9	0	34.4	577	27
Titan Pro	TP 71-98 2P	VT2P	98	203.5	18.5	0	34.8	572	30
Dyna-Gro	D37VC60RIB	VT2P,B	97	202.8	17.6	0	34.4	575	28
Titan Pro	TP 58-95 SS	STX	95	202.0	17.7	0	33.9	572	31
Dekalb	DKC52-84RIB CK	STX,B	102	203.6	18.6	0	34.8	572	29
Averages =				202.2	17.8	0	34.3	572	
LSD (0.10) =				11.7	0.6	ns			
LSD (0.25) =				6.1	0.3	ns			
C.V. =				5.5	Prev. years average yield, 192.5 bu/a, 11 yrs				

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$2.90; non-GMO = \$2.90

Test Comments: *Planting and harvest conditions were very good at this site. Emergence and the final stand were also excellent. Rain-fall was below normal at this site, until harvest began. During the June site visit, there were several spots where weeds were not controlled by the preplant herbicide, more so in the full-season test. Despite being controlled later, weeds could have influenced full-season test yield.*

† 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: Precept, Dual II Magnum, Callisto, Roundup
FERTILITY - Applied N: 150 Spring
Applied N-P-K (units): 150-50-30
SEEDING - RATE - ROW: May 6 35,080 /A 30" spacing
HARVESTED - STAND: Oct 25 34,500 /A

Full-Season Test
99 - 102 Day CRM
B2017MNWC02b

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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
Latham	LH5025VT2ProDG	VT2P,DG	100	229.8	19.9	0	33.9	638	4
Federal	5280VT2P	VT2P	102	229.5	19.5	0	34.8	640	1
Mustang	7202VT2PRIB	VT2P,B	102	229.5	19.6	0	35.3	639	3
Latham	LH5215VT2ProRIB	VT2P,B	102	228.9	20.0	0	34.4	635	5
Hefty	H4912VT2P	VT2P	99	228.2	18.9	0	34.8	640	2
Dahlman	R52-24VT2P	VT2P	103	221.6	19.5	0	34.4	618	7
NuTech	5N-800	3011,A	100	221.6	20.0	0	34.8	615	10
Hefty	H5212VT2P	VT2P	102	221.5	19.6	0	34.8	617	9
Prairie Brand	5148GT	GT	101	220.4	18.8	0	34.8	618	8
Dahlman	R51-22VT2P	VT2P	101	219.7	17.8	0	33.4	622	6
Federal	5280SSTAX GC	STX	102	218.8	19.6	0	34.8	609	12
Latham	LH5245VT2Pro	VT2P	102	217.7	19.6	0	33.9	606	13
Mustang	5299VT2PRIB	VT2P,B	99	217.5	18.3	0	33.9	613	11
Dyna-Gro	D39DC43	VT2P,DG	99	215.3	19.4	0	33.9	601	14
LG Seeds	LG5505STX	STX	102	214.7	19.2	0	34.4	600	15
Mustang	5700VT2PDGRIB	VT2P,DG,B	100	214.2	19.0	0	34.4	600	16
NuTech/G2 Gen	5F-601^	AM,AQ,B	101	214.2	19.6	0	33.9	597	17
Titan Pro	TP 65-00 2P	VT2P,DG	100	212.7	18.8	0	34.8	597	18
Renk	RK629VT3P	VT3P,B	101	211.3	19.4	0	35.3	590	19
Hefty	H5003VT2PDGRIB	VT2P,DG,B	100	211.1	19.4	0	34.4	589	20
Titan Pro	TP 75-01 SS	STX	101	209.1	19.1	0	34.4	585	21
NuTech/G2 Gen	5F-702^	AM,B	102	208.4	19.6	0	34.8	580	24
Hefty	H5214SS	STX	102	207.5	19.5	0	34.4	578	25
Titan Pro	TP 58-01 2P	VT2P,B	101	207.0	18.8	0	34.8	581	22
Dekalb	DKC49-72RIB GC	STX,B	99	206.0	18.2	0	34.4	581	23
LG Seeds	LG5494VT2P	VT2P	99	205.5	18.5	0	34.4	578	26
Renk	RK608DGV2P	VT2P,DG,B	100	201.4	19.8	0	34.8	560	28
Renk	RK595SSTX	STX,B	99	199.4	19.4	0	33.4	556	29
Thunder	4600RR	RR2	100	199.2	19.4	0	34.8	556	30
Pioneer	P0157AMX GC	AMX,AQ,B	101	198.1	20.3	0	34.4	548	31
Dekalb	DKC52-84RIB CK	STX,B	102	202.3	19.2	0	34.8	565	27
Averages =				206.2	19.4	0	34.5	575	
LSD (0.10) =				23.5	0.8	ns			
LSD (0.25) =				12.3	0.4	ns			
C.V. =				10.8	Prev. years average yield, 192.5 bu/a, 11 yrs				

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$2.90; non-GMO = \$2.90

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2017 Corn Grain - Minnesota West Central [MNWC]



Early-Season Test Products (54 Total)

Company/Brand	Product/Brand	Technol.	Seed Trt.	RM	Company/Brand	Product/Brand	Technol.	Seed Trt.	RM
Anderson	669SRC	STX,B	AC,P2	97	Renk	RK596SSTX	STX,B	AC,P5V	98
Anderson	684R	RR2	MQ	98	Thunder	4695RR	RR2	AC,P2	95
Anderson	795R	RR2	MQ	95	Thunder	6794VT2PRIB	VT2P,B	AC,P2	94
Dahlman	R48-21VT2P	VT2P	AC,P5V	96	Thunder	6798VT2PRIB	VT2P,B	AC,P2	98
Dahlman	R48-28VT2P	VT2P	AC,P5V	95	Thunder	7396VT2PRIB	VT2P,B	AC,P2	96
Dahlman	R49-23VT2PRIB	VT2P,B	AC,P2	98	Titan Pro	TP 58-95 SS	STX	AC,P5V	95
Dahlman	R49-342SSRIB	STX,B	AC,P5V	98	Titan Pro	TP 61-94 3110A	3110,A	?	94
Dairyland	DS-7294	3110	CM,C5,Vi,ln	94	Titan Pro	TP 71-98 2P	VT2P	AC,P2	98
Dekalb	DKC52-84RIB CK	STX,B	AC,P5V	102	Titan Pro	TP 78-98 SS	STX	AC,P5V	98
Dyna-Gro	D34VC54	VT2P	AC,P5V	94					
Dyna-Gro	D37VC60RIB	VT2P,B	AC,P5V	97					
Enestvedt	E656SSRIB	STX,B	AC,P5V	95					
Enestvedt	E658VT2Pro	VT2P	AC,P5V	95					
Federal	4580VT2P	VT2P	AC,P5V	95					
Federal	4880VT2P	VT2P	AC,P5V	98					
Golden Harvest	G94U87-3110A	3110,A	AVC,C2,Vi	94					
Golden Harvest	G96V99-3120-EZR	3120,B	AVC,C2,Vi	96					
Golden Harvest	G97N86-3110	3110	AVC,C2,Vi	97					
Hefty	H4402VT2PRIB	VT2P,B	AC,P2,ln	94					
Hefty	H4504SSRIB	STX,B	AC,P5V,ln	95					
Hefty	H4612VT2P	VT2P	AC,P2,ln	96					
Hefty	H4812VT2P	VT2P	AC,P2,ln	98					
Latham	LH4437VT2ProRIB	VT2P,B	AC,P2	94					
Latham	LH4454VT2ProRIB	VT2P,B	AC,P2	94					
Latham	LH4657VT2Pro	VT2P	AC,P5V	96					
Latham	LH4727VT2ProRIB	VT2P,B	AC,P2	97					
Legacy Seeds	L-3416VT2PRORIB	VT2P,B	AC,P2	94					
Legacy Seeds	L-3626VT2PRORIB	VT2P,B	AC,P2	97					
Legacy Seeds	L-3712VT2PRORIB	VT2P,B	AC,P2	96					
Legacy Seeds	L-3816VT2PRODG	VT2P,B	AC,P2	98					
LG Seeds	LG5420-3110A	3110,A	AC,P5V	94					
LG Seeds	LG5465VT2P	VT2P	AC,P5V	97					
Mustang	3294VT2PRIB	VT2P,B	AC,P2	94					
Mustang	3894SSRIB	STX,B	AC,P2	94					
Mustang	4297VT2PRIB	VT2P,B	AC,P2	97					
NuTech	5G-293	3010	MQ,P5V,R	93					
NuTech/G2 Gen	5F-196^	AM,B	MQ,P5V,R	96					
NuTech/G2 Gen	5F-198^	AM,B	MQ,P5V,R	98					
NuTech/G2 Gen	5FN-5096^	OI	MQ,P1V,R	96					
NuTech/G2 Gen	X5FN-9502^	OI	MQ,P1V,R	95					
Pioneer	P9608AMXT GC	AMXT,B	MQ,C2,Lu	96					
Proseed	1591VT2PRIB	VT2P,B	AC,P2	91					
Proseed	1598VT2PRIB	VT2P,B	AC,P2	98					
Proseed	GX695-3000GT	3000GT	CM,C2	95					
Proseed	PX694VT2PRIB	VT2P,B	AC,P2	94					

2017 Corn Grain - Minnesota West Central [MNWC]



Full-Season Test Products (45 Total)

Company/Brand	Product/Brand	Technol.	Seed Trt.	RM	Company/Brand	Product/Brand	Technol.	Seed Trt.	RM
Anderson	611SRC	STX,B	AC,P2	101					
Croplan	4099SS/RIB	STX,B	AC,P5V	100					
Dahlman	R51-22VT2P	VT2P	AC,P5V	101					
Dahlman	R52-24VT2P	VT2P	AC,P5V	103					
Dairyland	DS-9599	3000GT	CM,C5,Vi,In	99					
Dairyland	DS-9802RA	STX,B	CM,C5,Vi,In	102					
Dekalb	DKC49-72RIB GC	STX,B	AC,P5V	99					
Dekalb	DKC52-84RIB CK	STX,B	AC,P5V	102					
Dyna-Gro	D39DC43	VT2P,DG	AC,P5V	99					
Enestvedt	E696SSRIB	STX,B	AC,P5V	100					
Federal	4880SSTAX	STX	AC,P5V	98					
Federal	5060SSTAXRIB GC	STX,B	AC,P5V	100					
Federal	5280SSTAX GC	STX	AC,P5V	102					
Federal	5280VT2P	VT2P	AC,P5V	102					
Golden Harvest	G01D24-3120-EZR	3120,B	AVC,C2,Vi	101					
Hefty	H4912VT2P	VT2P	AC,P2,In	99					
Hefty	H5003VT2PDGRIB	VT2P,DG,B	AC,P2,In	100					
Hefty	H5212VT2P	VT2P	AC,P2,In	102					
Hefty	H5214SS	STX	AC,P5V,In	102					
Latham	LH5025VT2ProDG	VT2P,DG	AC,P5	100					
Latham	LH5095VT2ProRIB	VT2P,B	AC,P2	100					
Latham	LH5215VT2ProRIB	VT2P,B	AC,P2	102					
Latham	LH5245VT2Pro	VT2P	AC,P5V	102					
LG Seeds	LG5494VT2P	VT2P	AC,P5V	99					
LG Seeds	LG5505STX	STX	AC,P5V	102					
Mustang	5299VT2PRIB	VT2P,B	AC,P2	99					
Mustang	5700VT2PDGRIB	VT2P,DG,B	AC,P2	100					
Mustang	6701-3011A	3011,A	AC,P2	101					
Mustang	7202VT2PRIB	VT2P,B	AC,P2	102					
NuTech	5N-800	3011,A	MQ,P5V,R	100					
NuTech/G2 Gen	5F-601^	AM,AQ,B	MQ,P5V,R	101					
NuTech/G2 Gen	5F-702^	AM,B	MQ,P5V,R	102					
NuTech/G2 Gen	5FN-7099^	OI	MQ,P1V,R	99					
Pioneer	P0157AMX GC	AMX,AQ,B	MQ,C2,R	101					
Pioneer	P9929AMXT GC	AMXT,B	MQ,C2,R,Lu	99					
Prairie Brand	5148GT	GT	CM,C5,Vi,In	101					
Renk	RK595SSTX	STX,B	AC,P5V	99					
Renk	RK608DGV2P	VT2P,DG,B	AC,P2	100					
Renk	RK612SSTX	STX,B	AC,P5V	100					
Renk	RK629VT3P	VT3P,B	AC,P2	101					
Thunder	4600RR	RR2	AC,P2	100					
Titan Pro	TP 58-01 2P	VT2P,B	AC,P5V	101					
Titan Pro	TP 61-01 3122A	3122,A,B	CM,C2	101					
Titan Pro	TP 65-00 2P	VT2P,DG	AC,P2	100					
Titan Pro	TP 75-01 SS	STX	AC,P5V	101					

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. VPM [®] 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 [®] , VPM [®] 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.