

# 2017 Corn Grain Top 30 Harvest Report

Minnesota West Central [ MNWC ] STARBUCK  
 Jim Langman, Sr., Pope County, MN 56381



Test by: NewVenture, LLC, Ellendale, MN

PREV. CROP/HERB: Soybean / Sonic, Roundup PowerMax, Section  
 SOIL DESCRIPTION: Osakis sandy loam, mod. well drained, non-irrigated  
 SOIL CONDITION: Conventional w/ fall till, high P, medium K, 7.8 pH, 2.5% OM, 21.6 CEC  
 PEST MANAGEMENT: Precept, Halex GT  
 FERTILITY - Applied N: 150 Spring  
 Applied N-P-K (units): 150-60-85  
 SEEDING - RATE - ROW: May 9 35,080 /A 30" spacing  
 HARVESTED - STAND: Nov 3 34,400 /A

## Early-Season Test

93 - 98 Day CRM  
 B2017MNWC04a

## 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
Reck	Reck 3000T1	3T1.0	96	224.5	18.7	0	34.8	653	1
Latham	L3440T12P+400	V12P.0	94	222.4	18.7	0	33.9	647	2
Thunder	3704T12P+0	V12P.0	94	221.1	18.3	0	34.4	645	3
Worthing	3040000	3T1.0	94	218.7	18.5	0	34.8	631	4
Legacy Seeds	L-3440T12P+000	V12P.0	94	214.1	18.2	0	34.8	625	5
Golden Harvest	330100-3-1214-020	3T0.0	96	213.5	18.7	1	34.4	612	6
TruePro	TP 71-00 2P	V12P	96	213.3	18.7	0	34.4	610	7
TruePro	TP 81-00 2100	3T0.0	94	209.9	18.7	0	34.4	608	8
Latham	L3440T12P+0	V12P	96	207.5	18.7	1	33.9	603	9
Latham	L3440T12P+400	V12P.0	94	206.8	18.5	0	34.8	602	10
Cattman	843-3420000	3T1.0	92	206.0	18.3	0	34.4	601	11
Cattman	843-21112P	V12P	92	205.7	18.7	0	34.8	597	12
Worthing	425T12P+0	V12P.0	97	205.5	18.7	0	33.9	594	13
Thunder	40000	000	95	205.1	18.7	0	34.4	597	14
Hufschmidt Gen	1070-002P	3T1.0	95	204.4	18.4	0	33.9	592	15
Danland	DS-1004	3T1.0	94	204.4	17.9	1	34.4	590	16
TruePro	TP 70-00 00	3T1.0	94	204.4	18.1	0	34.8	589	18
Holly	H4020T12P	V12P	96	203.3	18.8	0	34.8	582	17
Worthing	3204T12P+0	V12P.0	96	203.0	18.4	0	34.4	582	19
Holly	H4010T12P	V12P	96	202.9	20.3	0	33.4	582	24
Cattman	843	V12P	96	202.2	18.1	0	34.8	580	22
Golden Harvest	330100-3-1214-020	3T0.0	94	202.1	18.4	0	34.4	580	25
Thunder	3704T12P+0	V12P.0	96	201.3	18.2	0	34.8	580	21
Proseed	P1330T12P+0	V12P.0	94	201.2	18.8	0	34.8	580	23
Legacy Seeds	L-3712T12P	V12P.0	96	200.9	18.0	0	34.4	582	26
Federal	4000	V12P	95	199.8	18.2	0	34.8	578	28
L.G. Seeds	L2140T12P	V12P	97	199.8	18.8	0	34.4	572	29
Holly	H4020T12P+0	V12P.0	94	198.8	18.8	0	33.9	576	27
Hufschmidt Gen	07-000	40.0	96	197.1	18.8	0	33.9	572	29
Thunder	7100T12P+0	V12P.0	96	195.2	17.7	0	34.4	572	30
Mean	2070-000-10	3T1.0	94	194.9	18.4	0	33.9	570	31

DATA REJECTED

Averages = 197.3 18.8 0 34.4 573

LSD (0.10) = ns 0.6 1

LSD (0.25) = ns 0.3 1

C.V. = 12.4 Prev. years average yield, 200.2 bu/a, 1 yr

Ed Dahle

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Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$3.00; non-GMO = \$3.00

**Test Comments:** This site was planted on a slight side hill. Jim, our host farmer, said that there were times of too dry followed by times of too cool and wet. That limited overall yield in these tests. The final stand and stalk strength were very good, lodging was minimal. Same hybrid yield varied widely across replications of both tests, resulting in non-significant yield differences. As a result, data were rejected.

† 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: 11/05/2017 Revised:

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 FERTILITY - Applied N: 150 Spring  
 Applied N-P-K (units): 150-60-85  
 SEEDING - RATE - ROW: May 9 35,080 /A 30" spacing  
 HARVESTED - STAND: Nov 3 34,400 /A

**Full-Season Test**  
**99 - 102 Day CRM**  
 B2017MNWC04b

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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
Waukegan	5206/T2PMB	V2P-B	99	211.9	19.1	0	34.8	540	1
Holly	H4212/T2P	V2P	99	215.3	19.4	0	33.9	522	2
Dave Gil	5206/C4	V2P-DG	99	211.4	21.0	0	34.8	502	3
Ross	863000/V2P	V2P-DG-B	100	211.0	19.7	3	35.3	498	4
True Pro	TP 99-01 2P	V2P-B	101	207.9	19.8	0	34.8	494	5
Danah	5206/T2PMB-GC	STL-B	99	205.4	19.7	0	34.4	493	6
Croplan	4000/5MB	STL-B	100	204.9	19.7	0	34.8	492	7
Latham	LH2040/T2Pro	V2P	100	201.8	19.8	0	34.8	477	8
Waukegan	5206/T2PMB	V2P-DG-B	100	201.9	19.7	3	35.3	476	9
Holly	H4212/T2P	V2P	100	200.3	19.2	0	34.8	476	10
Ross	863120071	STL-B	100	200.2	19.8	0	34.8	477	11
Fuller/AGS Gen	9F 702	AG-B	100	200.1	19.7	0	34.8	476	12
Latham	LH2040/T2Pro-DG	V2P-DG	100	199.9	19.8	0	33.9	472	13
Anderson	5110MC	STL-B	101	199.2	19.2	0	34.4	471	14
Federal	5000071/5MB-GC	STL-B	100	199.0	19.8	0	34.4	470	15
Federal	5206/T2P	V2P	100	199.3	20.3	0	33.9	468	16
Pioneer	P107041-GC	V2P-B	100	199.9	20.6	0	34.8	466	17
Ross	86300071	STL-B	100	199.1	19.8	0	33.9	466	18
Thunder	4000R	AG	100	199.0	19.8	0	33.9	464	19
Danah	5206/C4	V2P-DG	99	194.8	19.4	0	34.4	463	20
Holly	H4212	STL-B	100	193.3	19.8	0	34.8	458	21
Holly	H4212/5MB	V2P-B	100	192.9	20.4	0	33.9	453	22
Danah	5206/T2P	V2P	100	190.1	20.0	0	34.8	447	24
Pioneer	P107041-GC	V2P-B	99	189.8	19.8	7	34.8	450	23
Danah	5206/C4	STL-B	100	189.1	20.3	0	34.8	442	26
Latham	LH211	V2P-B	100	188.9	21.3	3	34.8	437	27
Waukegan	5206/T2P	V2P-B	100	188.0	19.4	0	34.8	443	25
Fuller	9F 400	STL-A	100	187.8	20.4	0	34.4	437	28
Danah	5206/T2P	V2P	101	185.4	20.0	0	34.8	433	29
Golden Harvest	5206/T2P	V2P-B	101	185.1	20.0	3	33.9	432	30
Danah	5206/C4	STL-B	100	184.7	19.9	0	34.8	430	31

DATA REJECTED

Averages = **191.4** **20.0** **0** **34.4** **550**  
 LSD (0.10) = ns 0.8 2  
 LSD (0.25) = ns 0.4 1  
 C.V. = 10.9 Prev. years average yield, 200.2 bu/a, 1 yr

**Yield & Income Factors:** Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$3.00; non-GMO = \$3.00

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 Report Date: 11/05/2017 Revised:

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					

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**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 <sup>®</sup> brand seed is distributed by NuTech Seed, LLC. Catalyst <sup>™</sup> and Power Plus <sup>®</sup> brand seed is distributed by Burrus. HPT <sup>®</sup> brand seed is distributed by Hoegemeyer Hybrids, Innotech <sup>™</sup> brand seed is distributed by Rob-See-Co, LLC. RPM <sup>®</sup> brand seed is distributed by Doebler's PA Hybrids, Inc. Supreme EX <sup>®</sup> brand seed is distributed by Seed Consultants, Inc. VPM <sup>®</sup> brand seed is distributed by AgVenture, Inc. XL <sup>®</sup> and Phoenix <sup>®</sup> brand seed is distributed by Beck's Superior Hybrids. Curry <sup>®</sup> , G2 <sup>®</sup> , HPT <sup>®</sup> , Power Plus <sup>®</sup> , RPM <sup>®</sup> , Supreme EX <sup>®</sup> , VPM <sup>®</sup> and XL <sup>®</sup> are registered trademarks of DuPont Pioneer. Catalyst <sup>™</sup> , Innotech <sup>™</sup> and Phoenix <sup>®</sup> 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 <sup>®</sup> 3000GT (CB,RW,LL,GT)	GT	Agrisure <sup>®</sup> GT
3010	Agrisure <sup>®</sup> 3010 (CB,LL,GT)	HX	Herculex <sup>®</sup> 1, contains LL
3011,A	Agrisure <sup>®</sup> Artesian <sup>®</sup> (CB,RW,LL,GT)	HXRW	Herculex <sup>®</sup> Rootworm, contains LL
3110	Agrisure <sup>®</sup> Viptera <sup>®</sup> 3110 (Vip, CB,LL,GT)	HXT	Herculex <sup>®</sup> Xtra (HX,HXRW,LL)
3111	Agrisure <sup>®</sup> Viptera <sup>®</sup> 3111 (Vip,CB,RW,LL,GT)	LL	LibertyLink <sup>®</sup>
3120	Agrisure <sup>®</sup> 3120 (CB,HX,LL,GT)	None	conventional corn
3122	Agrisure <sup>®</sup> 3122 (CB,HXX,RW,LL,GT)	OI	Optimum <sup>®</sup> Intrasect <sup>®</sup> , YHR (YGCB,HX,LL,RR2)
3220	Agrisure <sup>®</sup> Viptera <sup>®</sup> 3220 (Vip,CB,HX,LL,GT)	OIX	Optimum <sup>®</sup> Intrasect <sup>®</sup> Xtra, YXR (YGCB,HXT,LL,RR2)
A	Agrisure <sup>®</sup> Artesian <sup>®</sup>	OIXT	Optimum <sup>®</sup> Intrasect <sup>®</sup> Xtreme (YGCB,HXT,RW,LL,RR2)
AM	Optimum <sup>®</sup> AcreMax <sup>®</sup> (YGCB,HX,LL,RR2)	PC	PowerCore <sup>™</sup> (HX, VT2P)
AMT	Optimum <sup>®</sup> AcreMax <sup>®</sup> TRIsect (HX,RW,LL,RR2)	RR2	Roundup Ready <sup>®</sup> 2 Corn
AMX	Optimum <sup>®</sup> AcreMax <sup>®</sup> Xtra (YGCB,HXT,LL,RR2)	RW	Agrisure <sup>®</sup> Rootworm
AMXT	Optimum <sup>®</sup> AcreMax <sup>®</sup> Xtreme (YGCB,HXT,RW,LL,RR2)	STX	SmartStax <sup>®</sup> (VT3P,HXT,RR2,LL)
AQ	Optimum <sup>®</sup> AQUAMax <sup>®</sup>	VT2P	Genuity <sup>®</sup> VT Double PRO <sup>®</sup>
B	Refuge Blend	VT3P	Genuity <sup>®</sup> VT Triple PRO <sup>®</sup>
CB	Agrisure <sup>®</sup> Corn Borer	YGCB	YieldGard <sup>®</sup> Corn Borer
DG	Genuity <sup>®</sup> DroughtGard <sup>®</sup>		

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

### Corn Seed Treatments\*\*

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

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