

2018 Corn Grain Top 30 Harvest Report
 Minnesota West Central [MNWC] WINTHROP
 Neil Rasmussen, Sibley County, MN 55396



PREV. CROP/HERB: Soybean
 SOIL DESCRIPTION: Nicollet Clay clay loam, moderately drained, non-irrigated
 SOIL CONDITION: Conventional w/ fall till, very high P, medium K, 5.7 pH, 3.8% OM, 29 CEC
 PEST MANAGEMENT: Force, Impact, Stinger, Banvel
 FERTILITY - Applied N: 150 Spring
 Applied N-P-K (units): 150-67-90
 SEEDED - RATE - ROW: May 15 35,100 /A 30" spacing
 HARVESTED - STAND: Oct 19 33,600 /A

Early-Season Test
93 - 98 Day CRM
 B2018MNWC05a

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
Beck's	BE3790V2P	V2P/30	96	216.8	16.9	3	34.4	689	1
LG Seeds	LG66C7NVT2P/CRAB	V2P/B	96	212.7	17.1	3	33.4	689	2
Golden Harvest	GH6596 3126-62R	3126/B	96	212.5	17.5	26	34.4	677	3
Holly	HL12V2P/98	V2P/B	96	209.2	17.1	1	33.4	669	4
Holly	HL22V2P	V2P	96	209.2	17.1	0	33.9	669	5
Latham	LN46V2P/98	V2P/B	96	207.3	16.9	3	33.9	669	6
Everest	ES68V2P/9	V2P	96	201.1	17.5	1	33.9	641	7
Thunder	TH66V2P	V2P	96	199.3	17.3	1	33.4	636	8
Holly	HL2465	37L	97	194.4	16.9	0	33.9	623	11
Dalhousie	DL63 21V2P/98	V2P/B	96	194.3	17.1	1	34.4	625	10
Mustang	MS7098B	37L/B	97	191.7	16.9	1	34.4	611	12
Mustang	MS71V2P/98	V2P/B	97	191.7	16.9	5	32.4	611	13
Anderson	AN68	302	96	191.7	16.9	1	34.4	607	14
Holly	HL2465	37L	97	191.6	16.7	0	33.9	596	15
Anderson	AN68	302	96	171.1	17.9	4	33.4	595	16
Dalhousie	DL63 30V2P/98	37L/B	97	166.7	16.9	1	33.4	593	17
HyFlex	HY636	V2P	96	163.7	16.4	3	33.4	591	18
Federal	FD61V2P	V2P	96	163.6	17.9	3	31.9	584	20
Mustang	MS7098B	37L/B	97	163.0	16.7	2	33.9	587	19
LG Seeds	LG66C7NVT2P/98	V2P/B	97	162.4	17.4	2	32.4	582	21
Latham	LN46V2P/9	V2P	96	161.6	17.3	2	34.4	580	22
Mustang	MS71V2P/98	V2P/B	96	161.5	17.7	3	34.8	578	23
Federal	FD61V2P	V2P/B	96	161.1	16.9	17	33.4	575	24
Tri-P	TP 71	37L/B	96	160.4	16.3	0	34.4	571	27
Tri-P	TP 71	V2P/B	96	179.5	17.9	1	34.4	574	25
MS Brand	MS6605 3126-62R	3126/B	96	179.1	17.2	4	31.5	572	26
Proseed	PR64V2P/98	V2P/B	94	177.9	16.7	3	33.4	571	28
Dalhousie	DL63 31V2P/98	302/B	96	176.2	17.3	0	33.4	563	29
Beck's	BE 336V2P	V2P	94	175.8	17.5	1	33.4	560	30
Anderson	AN68B	37L/B	97	175.9	16.8	0	32.4	547	31
Anderson	AN68B	37L/B	97	175.9	16.8	0	32.4	547	31

DATA REJECTED

Averages =	175.4	17.3	4	33.6	560
LSD (0.10) =	31.2	0.6	8		
LSD (0.25) =	16.4	0.3	4		
C.V. =	16.9	Prev. years average yield, 207.5 bu/a, 3 yrs			

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

Test Comments: This site is very uniform and level with tile drainage. Neil, our host grower, said that there was just too much rain this growing season. Emergence was good but where water could stand, there were issues. Corn varied from 4 feet tall with small nubbin ears in wet areas between tile lines to 8 feet tall with decent ears above tile lines. Data rejected due to since yield differences 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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 HARVESTED - STAND: Oct 19 34,000 /A

Full-Season Test
99 - 102 Day CRM
 B2018MNWC05b

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
Latham	LH4837V20P	V20P	99	209.9	18.0	0	34.4	528	1
True Pot	TP46-80V20P	V20P/DLB	100	209.1	18.1	1	34.4	526	2
Latham	LH4261V20P/MS	V20P/B	102	199.8	18.6	0	33.9	529	3
True Pot	EXP46-81-95	STX_B	101	194.6	18.1	0	34.8	513	4
HyFlex	HY1400	3011A	100	193.1	18.1	1	34.4	509	5
TruePot	TRP4000	STX_B	100	188.4	18.4	0	33.4	503	6
Thunder	TR4200	STX	102	186.4	18.0	0	33.9	500	8
Thunder	TR4800V20P	V20P/DLB	100	185.2	17.3	0	34.4	501	7
Dorland	DS-8100	3000T	99	184.4	17.9	1	33.9	500	9
Thunder	TR4800V20P	V20P	101	179.0	18.1	0	33.9	571	10
Anderson	AN11V20P	V20P/B	99	177.4	18.1	2	33.9	500	11
Phase	PH4800MT GC	480T/AGB	99	176.1	18.1	14	34.4	500	12
Reck	RE4800STX	STX	102	175.1	18.1	2	34.8	508	13
HyFlex	HY1400B GC	V20P/B	100	173.9	18.9	0	34.8	505	15
Anderson	AN10	3011A	100	172.3	18.1	0	33.9	507	14
HyFlex	HY1400B GC	V20P/B	100	170.6	17.6	1	34.4	543	16
Golden Harvest	GH4112-3010	3010	100	170.1	17.6	1	34.4	542	17
Dorland	DS-7100	3000T	101	169.6	18.1	0	34.8	534	20
Dalhousie	DA1100	V20P	101	169.1	18.9	1	33.9	542	18
Dorland	DS-8100	3000T	99	168.6	18.2	0	34.4	534	21
Reck	RE4800V20P	V20P/DLB	100	168.2	17.2	0	33.4	537	19
NorthStar	NS-100-100V20P	V20P/B	100	166.8	18.1	1	33.4	529	23
Latham	LH4117V20P	V20P	101	166.8	18.3	0	33.9	528	25
Latham	LH4117V20P	V20P/DLB	100	166.6	17.1	0	34.4	532	22
NorthStar	NS-100-100V20P/MS GC	STX_B	100	166.4	17.9	6	33.9	529	24
Musking	MS20V20P	V20P/B	102	164.3	17.9	3	33.4	522	26
Phase	PH101A	3000	99	164.2	17.9	1	34.4	522	27
Reck	RE4800V20P/MS GC	V20P/B	102	164.1	18.3	10	34.4	520	29
LG Seeds	LG4800V20P	V20P/B	99	163.4	17.3	3	34.8	522	28
Dalhousie	DA12-20V20P	V20P/B	102	161.9	18.8	2	34.8	510	30
Phase	PH101A GC	3000T	99	172.3	17.3	1	34.4	522	27

DATA REJECTED

Averages = **164.8** **18.3** **2** **34.0** **522**
 LSD (0.10) = 33.0 0.5 6
 LSD (0.25) = 17.3 0.3 3
 C.V. = 19.0 Prev. years average yield, 207.5 bu/a, 3 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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Report Date: 10/20/2018 Revised:

2018 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,P5V	97	Renk	RK587VT2P	VT2P,B	AC,P2	97
Anderson	675VT2P	VT2P,B	AC,P2	98	Thunder	6794VT2P	VT2P,B	AC,P2	94
Anderson	684R	RR2	MQ	98	Thunder	6798VT2P	VT2P,B	AC,P2	98
Anderson	795R	RR2	MQ	95	Thunder	6993VT2P	VT2P	AC,P2	93
Dahlgren	R48-21VT2PRIB	VT2P,B	AC,P2	96	Thunder	6996VT2P	VT2P	AC,P5V	96
Dahlgren	R48-28VT2PRIB	VT2P,B	AC,P2	95	Titan Pro	86-96 2P	VT2P,B	AC,P5V	96
Dahlgren	R49-23VT2PRIB	VT2P,B	AC,P2	98	Titan Pro	TP 71-98 2P	VT2P,B	AC,P2	98
Dairyland	DS-7294A	3220	CM,C5,Vi,ln	94	Titan Pro	TP 78-98 SS	STX,B	AC,P5V	98
Dairyland	RPM-3518AM	AM,B	CM,C2,R,Lu	96	Wyffels	W1636	VT2P	AC,P5V	96
Dairyland	RPM-3519YHR	OI	MQ,P5V,R	96					
Dairyland	RPM-3715AM	AM,B	MQ,P5V,R	96					
Dekalb	DKC46-36RIB GC	STX,B	AC,P5V	96					
Enestvedt	E656SSRIB	STX,B	AC,P5V	95					
Enestvedt	E658VT2Pro	VT2P	AC,P2	96					
Federal	4580VT2PRIB	VT2P,B	AC,P2	95					
Federal	4780RR	RR2	CM,C2	97					
Federal	4880SSTAXRIB	STX,B	AC,P5V	98					
Golden Harvest	G96V99-3120-EZR	3120,B	AVC,C2,Vi	96					
Golden Harvest	G97N86-3110	3110	AVC,C2,Vi	97					
Hefty	H4324SS	STX	HC	93					
Hefty	H4522VT2P	VT2P	HC	95					
Hefty	H4612VT2PRIB	VT2P,B	HC	96					
Hefty	H4724SS	STX	HC	97					
Heine	6360VT2PRO	VT2P	AC,P5V	97					
Latham	LH4517VT2Pro	VT2P	AC,P5V	95					
Latham	LH4657VT2ProRIB	VT2P,B	AC,P2	96					
Latham	LH4795VT2Pro	VT2P	AC,P5V	97					
Latham	LH4835VT2Pro	VT2P	CE,C2	98					
LG Seeds	LG44C27VT2PRO	VT2P	AC,P5V	94					
LG Seeds	LG46C73VT2PRORIB	VT2P,B	AC,P5V	96					
LG Seeds	LG5465VT2RIB	VT2P,B	AC,P5V	97					
Mustang	3294VT2PRIB	VT2P,B	AC,P2	94					
Mustang	4296VT2PRIB	VT2P,B	AC,P2	96					
Mustang	4297VT2PRIB	VT2P,B	AC,P2	97					
Mustang	5897SSRIB	STX,B	AC,P5V	97					
NK Brand	NK9659-3120-EZR	3120,B	AVC,C2,Vi	96					
NK Brand	NK9852-3010	3010	AVC,C2,Vi	98					
NuTech	5G-293	3110,A	MQ,P5V,R	93					
NuTech	E5GN-A395	3110	AVC,Vi	95					
NuTech/G2 Gen	5F-198	AM,B	MQ,P5V,R	98					
Pioneer	P0157AMX CK	AMX,AQ,B	MQ,C2,R	101					
Pioneer	P9330AM GC	AM,B	MQ,C2,R,Lu	93					
Proseed	1794VT2PRIB	VT2P,B	AC,P2	94					
Renk	8-536VT2P	VT2P	AC,P2	94					
Renk	RK579DGV2P	VT2P,DG	AC,P2	98					

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Full-Season Test Products (54 Total)

Company/Brand	Product/Brand	Technol.	Seed Trt.	RM	Company/Brand	Product/Brand	Technol.	Seed Trt.	RM
AgriGold	A6267STXRIB GC	STX,B	AC,P5V	102	Renk	RK608DGV2P	VT2P,DG,B	AC,P2	100
AgriGold	A629-22STXRIB GC	STX,B	AC,P5V	99	Thunder	6999VT2P	VT2P	AC,P5V	99
Anderson	611R	RR2	MQ	100	Thunder	7800DGV2P	VT2P,DG,B	AC,P2	100
Anderson	611SRC	STX,B	AC,P5V	100	Thunder	8902SS	STX	AC,P5V	102
Anderson	611VT2P	VT2P,B	AC,P2	100	Titan Pro	EXP 84-01 SS	STX,B	AC,P5V	101
Dahlman	R50-357SSRIB	STX,B	AC,P5V	100	Titan Pro	TP 65-00 DG2P	VT2P,DG,B	AC,P2	100
Dahlman	R51-22VT2PRIB	VT2P,B	AC,P2	101	Titan Pro	TP 75-01 SS	STX,B	AC,P5V	101
Dahlman	R52-24VT2PRIB	VT2P,B	AC,P2	103	Wyffels	W2196RIB GC	VT2P,B	AC,P2	99
Dairyland	DS-7101	PC	CM,C5,Vi,In	101	Wyffels	W3076RIB GC	VT2P,B	AC,P2	102
Dairyland	DS-9599	3000GT	CM,C5,Vi,In	99					
Dairyland	RPM-4018AM	AM,AQ,B	MQ,P5V,R	101					
Dairyland	RPM-4019AM	AM,B	CM,C2,R,Lu	99					
Dekalb	DKC50-08RIB GC	STX,B	AC,P5V	100					
Dyna-Gro	D43VC81	VT2P	AC,P5V	102					
Enestvedt	E696SSRIB	STX,B	AC,P5V	100					
Enestvedt	E699SSRIB	STX,B	AC,P5V	99					
Federal	4990SSTAX	STX	AC,P5V	99					
Federal	5280VT2PRIB	VT2P,B	AC,P2	102					
Golden Harvest	G00H12-3010	3010	AVC,C2,Vi	100					
Golden Harvest	G02W74-3000GT	3000GT	AVC,C2,Vi	102					
Hefty	H4922VT2P	VT2P	HC	99					
Hefty	H5003VT2PDGRIB	VT2P,DG,B	HC	100					
Hefty	H5024SS	STX	HC	100					
Hefty	H5212VT2PRIB	VT2P,B	HC	102					
Heine	739VT2PRORIB GC	VT2P,B	AC,P2	102					
Latham	LH4937VT2Pro	VT2P	AC,P5V	99					
Latham	LH5025VT2ProDGRIB	VT2P,DG,B	AC,P2	100					
Latham	LH5137VT2Pro	VT2P	AC,P5V	101					
Latham	LH5245VT2ProRIB	VT2P,B	AC,P2	102					
LG Seeds	LG5494VT2RIB	VT2P,B	AC,P5V	99					
LG Seeds	LG5505STXRIB	STX,B	AC,P5V	101					
Mustang	5299VT2PRIB	VT2P,B	AC,P2	99					
Mustang	7202VT2P	VT2P,B	AC,P2	102					
NK Brand	NK0199-3122A-EZR	3122,A,B	AVC,C2,Vi	101					
NorthStar	NS 100-464GENSSRIB GC	STX,B	AC,P5V	100					
NorthStar	NS 100-530VT2PRIB GC	VT2P,B	AC,P2	100					
NuTech	5N-800	3011,A	MQ,P5V,R	100					
NuTech/G2 Gen	5F-702	AM,B	MQ,P5V,R	102					
Pfister	1785VA	3220	CM,C5,Vi,In	99					
Pfister	60B1SSR	STX,B	CM,C5,Vi,In	100					
Pfister	60C2PC	PC	CM,C5,Vi,In	100					
Pioneer	P0157AMX CK	AMX,AQ,B	MQ,C2,R	101					
Pioneer	P9998AMXT GC	AMXT,AQ,B	MQ,C2,R,Lu	99					
Renk	8-593SSTX	STX	AC,P5V	99					
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.