

2018 Corn Grain Top 30 Harvest Report

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



Test by: NewVenture, LLC, Ellendale, MN

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, 7.7 pH, 3.5% OM, 28.2 CEC
PEST MANAGEMENT: Force, SureStart, Callisto, Roundup
FERTILITY - Applied N: 150 Spring
Applied N-P-K (units): 150-50-30
SEEDING - RATE - ROW: May 16 35,100 /A 30" spacing
HARVESTED - STAND: Oct 17 33,900 /A

Early-Season Test

93 - 98 Day CRM
B2018MNWC01a

Top 30 of 54

For Gross Income (Sorted by Yield)

Average of (2) Replications

Company/Brand	Product/Brand†	Technol.†	RM	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Renk	RK579DGV2P	VT2P,DG	98	270.1	20.6	0	31.9	840	1
Thunder	6993VT2P	VT2P	93	265.1	19.5	0	31.9	832	2
Enestvedt	E658VT2Pro	VT2P	96	262.5	20.2	0	32.7	819	3
Thunder	6996VT2P	VT2P	96	255.9	20.4	0	33.4	797	4
Federal	4880SSTXRIB	STX,B	98	247.8	20.4	0	33.4	772	5
Hefty	H4724SS	STX	97	247.2	20.6	0	34.1	769	6
Titan Pro	TP 78-98 SS	STX,B	98	246.9	20.9	0	34.8	766	7
Latham	LH4795VT2Pro	VT2P	97	244.7	20.9	0	34.8	759	10
Latham	LH4517VT2Pro	VT2P	95	243.4	19.6	0	34.8	763	9
Hefty	H4612VT2PRIB	VT2P,B	96	243.4	21.1	0	34.8	754	12
NuTech/G2 Gen	5F-198	AM,B	98	243.1	19.2	0	34.1	765	8
Thunder	6798VT2P	VT2P,B	98	241.1	19.5	0	34.8	756	11
LG Seeds	LG5465VT2RIB	VT2P,B	97	240.5	20.2	0	34.8	750	13
Thunder	6794VT2P	VT2P,B	94	239.3	19.6	2	32.7	750	14
Golden Harvest	G96V99-3120-EZR	3120,B	96	234.9	20.5	1	31.9	731	15
Federal	4780RR	RR2	97	232.8	19.7	1	31.2	729	16
Latham	LH4835VT2Pro	VT2P	98	232.8	20.6	0	33.4	724	19
Wyffels	W1636	VT2P	96	232.7	21.0	0	34.1	721	21
Proseed	1794VT2PRIB	VT2P,B	94	232.5	20.3	0	34.1	725	17
Renk	RK587VT2P	VT2P,B	97	232.2	20.1	0	34.1	725	18
LG Seeds	LG46C73VT2PRORIB	VT2P,B	96	231.9	20.2	0	34.8	724	20
Mustang	4297VT2PRIB	VT2P,B	97	231.4	20.8	0	32.7	718	22
Titan Pro	86-96 2P	VT2P,B	96	230.6	21.4	0	32.7	713	28
Anderson	684R	RR2	98	229.9	20.3	0	32.7	717	23
NuTech	E5GN-A395	3110	95	229.8	20.5	0	34.8	715	25
Hefty	H4324SS	STX	93	229.7	20.1	0	33.4	717	24
Heine	6360VT2PRO	VT2P	97	229.6	21.1	0	32.7	711	29
Latham	LH4657VT2ProRIB	VT2P,B	96	228.4	20.0	0	34.8	714	26
Dahlman	R48-28VT2PRIB	VT2P,B	95	227.4	20.5	0	32.7	708	30
Dairyland	RPM-3715AM	AM,B	96	227.1	19.3	0	33.4	714	27
Pioneer	P0157AMX CK	AMX,AQ,B	101	229.5	22.1	0	34.8	705	32
Averages =				230.4	20.3	0	33.9	718	
LSD (0.10) =				25.8	0.8	1			
LSD (0.25) =				13.5	0.4	0			
C.V. =				8.6					
Ed Dahle				Prev. years average yield, 196.9 bu/a, 12 yrs					
ed.dahle@firstseedtests.com, (507) 456-6624									

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 representative of this area. Plant stand was very good. Doug, our host grower, said that the site received 10 inches of rain right during tasseling. Pollination and grain fill looked good with large ears filled to the tips. At harvest, little lodging was noted. Disease pressure was minimal. In the early-season test, 1 replication was removed due to excess water impact on 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: Force, SureStart, Callisto, Roundup
FERTILITY - Applied N: 150 Spring
Applied N-P-K (units): 150-50-30
SEEDING - RATE - ROW: May 16 35,100 /A 30" spacing
HARVESTED - STAND: Oct 17 34,100 /A

Full-Season Test
99 - 102 Day CRM
B2018MNWC01b

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
Federal	5280VT2PRIB	VT2P,B	102	275.9	21.6	0	33.9	851	1
Titan Pro	EXP 84-01 SS	STX,B	101	262.4	21.9	0	33.4	808	2
Hefty	H4922VT2P	VT2P	99	259.4	20.9	0	34.4	805	3
Dairyland	RPM-4019AM	AM,B	99	255.8	21.8	0	34.4	788	5
Wyffels	W2196RIB GC	VT2P,B	99	255.5	21.1	0	34.4	791	4
Hefty	H5212VT2PRIB	VT2P,B	102	254.6	21.5	0	34.8	786	6
Titan Pro	TP 75-01 SS	STX,B	101	253.5	22.0	0	34.4	780	8
Thunder	8902SS	STX	102	252.4	22.3	0	34.8	774	10
Mustang	5299VT2PRIB	VT2P,B	99	251.5	20.2	0	32.9	785	7
Thunder	6999VT2P	VT2P	99	250.3	20.6	0	34.4	778	9
Pfister	60C2PC	PC	100	249.8	21.7	0	34.4	770	11
Latham	LH5245VT2ProRIB	VT2P,B	102	249.0	21.7	0	33.4	768	14
Pioneer	P9998AMXT GC	AMXT,AQ,B	99	248.5	21.2	0	33.4	769	13
Pfister	60B1SSR	STX,B	100	248.0	20.8	0	34.4	770	12
Latham	LH4937VT2Pro	VT2P	99	245.0	21.0	0	35.3	760	15
Renk	8-593SSTX	STX	99	243.9	21.3	0	33.4	754	18
Dairyland	DS-9599	3000GT	99	243.0	20.3	0	34.4	758	16
LG Seeds	LG5494VT2RIB	VT2P,B	99	242.8	20.2	0	33.9	758	17
NuTech/G2 Gen	5F-702	AM,B	102	242.3	21.7	0	34.4	747	21
Wyffels	W3076RIB GC	VT2P,B	102	242.0	21.4	0	34.4	748	20
Dekalb	DKC50-08RIB GC	STX,B	100	240.7	21.6	0	33.9	743	22
Mustang	7202VT2P	VT2P,B	102	240.6	20.1	0	32.9	751	19
LG Seeds	LG5505STXRIB	STX,B	101	240.5	22.1	0	33.4	739	24
Latham	LH5137VT2Pro	VT2P	101	240.2	21.7	0	34.4	740	23
AgriGold	A629-22STXRIB GC	STX,B	99	234.9	21.6	0	34.4	725	26
Dairyland	DS-7101	PC	101	233.5	21.7	0	34.4	720	29
NorthStar	NS 100-464GENSSRIB GC	STX,B	100	232.2	21.1	0	32.4	719	30
Dahlman	R52-24VT2PRIB	VT2P,B	103	232.0	20.6	0	33.9	722	27
Dahlman	R51-22VT2PRIB	VT2P,B	101	231.8	20.5	0	33.9	721	28
Heine	739VT2PRORIB GC	VT2P,B	102	231.5	21.2	0	34.8	716	31
Pioneer	P0157AMX CK	AMX,AQ,B	101	238.8	22.3	0	32.9	733	25
Averages =				233.7	21.3	0	34.1	723	
LSD (0.10) =				19.4	0.6	ns			
LSD (0.25) =				10.2	0.3	ns			
C.V. =				7.9					
Ed Dahle				Prev. years average yield, 196.9 bu/a, 12 yrs					
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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,In	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	4880SSTXRIB	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.