

2018 Corn Grain Top 30 Performance Summary for Minnesota West Central [MNWC]



Test by: NewVenture, LLC, Ellendale, MN

Early-Season Test

93 - 98 Day CRM

B2018MNWCa

Top 30 of 54

For Gross Income (Sorted by Yield), (13) Replication Average

Company/Brand	Product/Brand†	Technol.†	RM	Yield	Moisture	Lodging	Gross Income		Clinton‡	Lester Prairie‡		Starbuck		
				Bu/A ↓	%	%	\$/A	Rank	Kerkhoven	Madison Lake	Winthrop			
Renk	RK579DGV2P	VT2P,DG	98	224.9	18.9	2	709	1	270.1	242.6	215.7	183.6	212.6	215.8
Hefty	H4612VT2PRIB	VT2P,B	96	220.1	19.1	0	693	2	243.4	228.9	206.2	215.0	207.2	209.2
Thunder	6996VT2P	VT2P	96	219.5	19.2	1	690	3	255.9	227.6	210.4	188.6	215.1	199.3
Enestvedt	E658VT2Pro	VT2P	96	217.8	18.6	5	688	4	262.5	230.3	214.8	187.3	194.3	201.1
Titan Pro	TP 78-98 SS	STX,B	98	216.9	19.3	0	682	6	246.9	212.7	229.7	176.0	219.0	180.4
Wyffels	W1636	VT2P	96	216.1	18.9	0	681	7	232.7	213.1	210.5	201.2	222.8	181.1
Latham	LH4517VT2Pro	VT2P	95	215.9	18.3	2	684	5	243.4	227.1	195.8	187.7	225.3	181.9
Heine	6360VT2PRO	VT2P	97	215.0	19.3	1	676	8	229.6	228.9	196.6	190.2	229.8	181.7
Renk	8-536VT2P	VT2P	94	214.4	19.1	1	675	10	220.6	224.6	217.7	215.2	194.1	181.3
LG Seeds	LG46C73VT2PRORIB	VT2P,B	96	214.2	18.9	1	675	11	231.9	230.6	206.4	208.3	193.9	207.7
Mustang	4297VT2PRIB	VT2P,B	97	214.2	19.0	3	675	12	231.4	221.5	206.6	211.3	200.0	181.4
Latham	LH4795VT2Pro	VT2P	97	213.7	19.6	2	670	16	244.7	230.7	201.0	181.2	210.8	181.3
Dahlman	R48-28VT2PRIB	VT2P,B	95	213.4	19.0	2	672	15	227.4	223.7	186.0	194.1	235.6	181.0
Dairyland	RPM-3715AM	AM,B	96	213.1	18.7	0	673	14	227.1	216.5	208.5	202.9	210.3	181.6
Federal	4880SSTAXRIB	STX,B	98	212.5	19.6	0	666	18	247.8	236.3	187.6	185.7	205.3	181.6
Thunder	6993VT2P	VT2P	93	212.4	18.1	2	674	13	265.1	206.0	187.7	183.5	219.5	181.3
LG Seeds	LG5465VT2RIB	VT2P,B	97	211.8	18.7	1	669	17	240.5	206.5	201.8	190.9	219.2	181.3
Hefty	H4724SS	STX	97	211.0	19.4	0	663	20	247.2	211.2	203.6	186.9	206.2	181.3
Federal	4780RR	RR2	97	210.9	18.8	3	665	19	232.8	227.7	194.9	199.0	200.1	181.9
Titan Pro	86-96 2P	VT2P,B	96	210.6	19.2	1	662	21	230.6	224.1	186.3	210.3	201.8	181.8
Mustang	4296VT2PRIB	VT2P,B	96	210.6	19.3	4	662	22	219.9	228.9	207.0	184.6	212.4	181.4
Hefty	H4522VT2P	VT2P	95	209.7	18.9	0	661	23	220.2	223.6	208.9	202.9	192.8	181.2
Titan Pro	TP 71-98 2P	VT2P,B	98	209.7	19.3	1	659	25	226.1	225.9	202.0	201.0	193.5	181.5
Latham	LH4657VT2ProRIB	VT2P,B	96	209.6	18.9	1	661	24	228.4	227.7	183.0	193.0	215.9	181.4
Renk	RK587VT2P	VT2P,B	97	208.4	18.6	1	659	26	232.2	214.5	203.0	177.0	215.2	181.0
Golden Harvest	G97N86-3110	3110	97	208.4	18.8	1	658	27	215.0	222.6	190.0	188.9	225.4	151.8
Federal	4580VT2PRIB	VT2P,B	95	208.0	18.9	1	656	29	225.6	220.0	220.5	169.4	204.3	181.1
Latham	LH4835VT2Pro	VT2P	98	207.9	19.2	2	654	31	232.8	229.2	198.5	187.4	191.4	181.6
Mustang	3294VT2PRIB	VT2P,B	94	207.6	18.2	2	658	28	225.6	219.1	210.3	183.9	199.3	183.0
LG Seeds	LG44C27VT2PRO	VT2P	94	207.0	18.5	1	655	30	221.4	223.1	183.8	183.2	223.4	169.3
Pioneer	P0157AMX CK	AMX,AQ,B	101	216.9	20.5	1	675	9	229.5	250.6	201.5	197.5	205.3	201.1
Averages =				208.1	18.9	2	656		230.4	219.5	199.1	186.7	204.9	175.4
LSD (0.10) =				9.7	0.4	ns			25.8	12.9	17.6	16.8	16.7	31.2
LSD (0.25) =				5.1	0.2	ns			13.5	6.8	9.2	8.8	8.8	16.4
Ed Dahle									Previous years average yield for region, 197.7 bu/a, 16 yrs					
ed.dahle@firstseedtests.com, (507) 456-6624														

Data Rejected - Not in Summary

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

† See last page for additional information. Dark shaded 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 test grain moisture limit. ns = not significantly different; ‡ = 2 reps.

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Report Date: 11/24/2018 Revised:

2018 Corn Grain Top 30 Performance Summary for Minnesota West Central [MNWC]



Full-Season Test

99 - 102 Day CRM

B2018MNWCb

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For Gross Income (Sorted by Yield), (14) Replication Average

Company/Brand	Product/Brand†	Technol.†	RM	Yield	Moisture	Lodging	Gross Income		Clinton	Lester Prairie‡			Starbuck	Winthrop
				Bu/A	%	%	\$/A	Rank		Kerkhoven	Madison Lake			
Thunder	8902SS	STX	102	232.3	20.8	0	721	2	252.4	232.3	255.0	193.3	228.3	186.8
Federal	5280VT2PRIB	VT2P,B	102	231.3	20.3	1	721	3	275.9	242.6	210.6	202.0	225.2	153.4
Latham	LH4937VT2Pro	VT2P	99	230.4	19.5	0	723	1	245.0	239.6	231.3	186.0	250.2	200.9
Latham	LH5245VT2ProRIB	VT2P,B	102	230.4	20.1	0	719	4	249.0	231.8	236.0	203.5	231.6	199.0
Dahlman	R52-24VT2PRIB	VT2P,B	103	230.0	20.0	0	719	5	232.0	238.6	238.4	199.2	241.8	181.8
NuTech/G2 Gen	5F-702	AM,B	102	228.4	20.3	0	712	8	242.3	218.8	251.7	191.9	237.4	181.8
Thunder	6999VT2P	VT2P	99	227.9	19.6	0	714	7	250.3	233.2	222.4	191.5	242.0	181.0
Hefty	H5212VT2PRIB	VT2P,B	102	227.9	20.0	1	712	9	254.6	220.7	223.0	206.0	235.2	181.0
Pfister	60C2PC	PC	100	227.6	20.2	1	710	10	249.8	219.7	232.1	208.9	227.4	181.2
Hefty	H4922VT2P	VT2P	99	227.5	19.3	1	715	6	259.4	229.5	222.3	185.9	240.2	181.7
Wyffels	W2196RIB GC	VT2P,B	99	226.6	19.8	0	709	11	255.5	229.9	233.5	193.3	220.6	181.5
Dyna-Gro	D43VC81	VT2P	102	226.6	20.8	0	704	13	216.5	236.3	238.2	194.5	247.7	181.3
Titan Pro	EXP 84-01 SS	STX,B	101	225.5	20.4	1	702	14	262.4	228.7	243.4	191.4	201.8	181.3
LG Seeds	LG5505STXRIB	STX,B	101	225.3	20.5	3	701	17	240.5	217.2	236.6	196.1	236.3	181.3
Latham	LH5137VT2Pro	VT2P	101	225.2	20.3	0	702	15	240.2	217.4	251.0	202.6	214.6	181.3
Wyffels	W3076RIB GC	VT2P,B	102	225.1	20.3	0	702	16	242.0	246.1	211.2	189.1	237.0	181.3
Dekalb	DKC50-08RIB GC	STX,B	100	224.7	20.2	0	701	18	240.7	229.5	240.3	188.9	224.1	181.1
Mustang	5299VT2PRIB	VT2P,B	99	224.1	18.9	0	706	12	251.5	228.9	216.6	202.0	221.6	181.3
Titan Pro	TP 65-00 DG2P	VT2P,DG,B	100	223.5	19.8	0	700	19	223.2	237.0	231.6	208.2	217.3	219.1
Titan Pro	TP 75-01 SS	STX,B	101	223.1	20.3	0	696	21	253.5	237.1	215.2	197.5	212.1	181.3
AgriGold	A629-22STXRIB GC	STX,B	99	222.1	20.1	0	694	22	234.9	232.1	216.6	206.1	220.8	181.3
Mustang	7202VT2P	VT2P,B	102	221.9	19.3	0	697	20	240.6	230.4	217.4	209.5	211.4	181.3
Dairyland	RPM-4019AM	AM,B	99	219.9	19.9	0	688	23	255.8	226.9	236.6	179.8	200.2	181.5
NorthStar	NS 100-464GENSSRIB GC	STX,B	100	219.1	20.0	0	685	24	232.2	226.2	226.3	194.4	216.2	181.4
Dairyland	RPM-4018AM	AM,AQ,B	101	217.3	20.1	1	679	25	219.4	225.1	220.6	197.3	224.0	181.3
Dairyland	DS-7101	PC	101	216.5	20.2	2	675	26	233.5	230.7	225.3	167.2	225.6	169.5
Enestvedt	E699SSRIB	STX,B	99	214.5	19.9	0	671	28	229.4	232.4	211.2	169.2	230.3	141.9
Dairyland	DS-9599	3000GT	99	214.1	19.1	4	674	27	243.0	222.9	214.1	187.3	203.1	184.6
Anderson	611R	RR2	100	213.4	19.5	0	670	29	223.3	212.7	199.8	194.8	236.3	172.3
Dahlman	R51-22VT2PRIB	VT2P,B	101	213.1	19.3	1	670	30	231.8	226.4	209.7	191.3	206.3	169.1
Pioneer	P0157AMX CK	AMX,AQ,B	101	214.8	21.0	3	666	37	238.8	204.1	229.8	180.1	221.1	162.2

Data Rejected - Not in Summary

Averages =	217.4	19.9	1	680	233.7	222.7	221.8	190.3	218.4	164.8
LSD (0.10) =	10.2	0.3	ns		19.4	14.7	22.1	16.6	19.7	33.0
LSD (0.25) =	5.4	0.2	ns		10.2	7.7	11.6	8.7	10.4	17.3

Previous years average yield for region, 197.7 bu/a, 16 yrs

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

† See last page for additional information. Dark shaded 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 test grain moisture limit. ns = not significantly different; ‡ = 2 reps.

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Report Date: 11/24/2018

Revised:

2018 Corn Grain - Minnesota West Central [MNWC]

**Full-Season Test Products (54 Total)**

Company/Brand	Product/Brand†	Technol.†	Seed Trt.†	RM
AgriGold	A6267STXRIB GC	STX,B	AC,P5V	102
AgriGold	A629-22STXRIB GC	STX,B	AC,P5V	99
Anderson	611R	RR2	MQ	100
Anderson	611SRC	STX,B	AC,P5V	100
Anderson	611VT2P	VT2P,B	AC,P2	100
Dahlman	R50-357SSRIB	STX,B	AC,P5V	100
Dahlman	R51-22VT2PRIB	VT2P,B	AC,P2	101
Dahlman	R52-24VT2PRIB	VT2P,B	AC,P2	103
Dairyland	DS-7101	PC	CM,C5,Vi,In	101
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

Company/Brand	Product/Brand†	Technol.†	Seed Trt.†	RM
Pioneer	P9998AMXT GC	AMXT,AQ,B	MQ,C2,R,Lu	99
Renk	8-593SSTX	STX	AC,P5V	99
Renk	RK604SSTX	STX	AC,P5V	102
Renk	RK608DGV2P	VT2P,DG,B	AC,P2	100
Thunder	6999VT2P	VT2P	AC,P5V	99
Thunder	7800DGV2P	VT2P,DG,B	AC,P2	100
Thunder	8902SS	STX	AC,P5V	102
Titan Pro	EXP 84-01 SS	STX,B	AC,P5V	101
Titan Pro	TP 65-00 DG2P	VT2P,DG,B	AC,P2	100
Titan Pro	TP 75-01 SS	STX,B	AC,P5V	101
Wyffels	W2196RIB GC	VT2P,B	AC,P2	99
Wyffels	W3076RIB GC	VT2P,B	AC,P2	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®TRIssect (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	D	Dynasty®	P2, P5, P1	Poncho® at 0.25, 0.5 and 1.25 mg ai/seed, respectively
A	Allegiance®	Es	Escalate®	R	Raxil®
AC	Acceleron® fungicide products	HC	Hefty Complete	Sa	Sativa™
AL2500	Alert 2500	In	Intego™ Solo	Se	Sebring™
At	Actellic®	L	Lorsban®	Sn	Senator™
AVC	Avicta® Complete Corn	Lu	Lumivia™	Sp	Spirato™
C2, C5, C1	Cruiser® at 0.25, 0.5 and 1.25 mg ai/seed, respectively	M	Maxim XL®	SC	SHIELDCoat™
CE	Cruiser Xtreme®	MQ	Maxim Quattro®	V	Votivo®
CM	CruiserMaxx® Corn	None	untreated	Vi	Vibrance®

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