

2018 Corn Grain Top 30 Harvest Report

Red River Valley South [RRSO] FOXHOME
Bruce Yaggie, Wilkin County, MN 56520



PREV. CROP/HERB: Soybean / dicamba
SOIL DESCRIPTION: Antler clay loam, mod. poor drained, non-irrigated
SOIL CONDITION: Conventional w/ fall till, very high P, low K, 7.8 pH, 3.1% OM, 29.7 CEC
PEST MANAGEMENT: Roundup
FERTILITY - Applied N: 145 Spring
Applied N-P-K (units): 145-40-45
SEEDING - RATE - ROW: May 6 33,000 /A 30" spacing
HARVESTED - STAND: Sep 27 31,300 /A

Early-Season Test

85 - 90 Day CRM
B2018RRSO01a

Top 30 of 40

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
Hefty	H3902VT2PRIB	VT2P,B	89	224.6	17.4	0	31.4	604	1
Latham	LH4015VT2Pro	VT2P	90	214.0	17.9	0	30.6	573	2
Dyna-Gro	D27VC47	VT2P	87	210.6	16.8	0	30.6	570	3
Proseed	1790VT2PRIB	VT2P,B	90	209.6	17.9	0	32.1	561	6
REA	3B902	VT2P,B	90	208.9	16.8	0	29.9	565	5
Hefty	H3922VT2P	VT2P	89	208.0	17.8	0	31.7	557	8
Dyna-Gro	D27VC87	VT2P	87	207.8	16.0	0	31.4	566	4
Golden Harvest	G84J92-3011A	3011,A	85	207.6	18.1	0	31.7	555	9
REA	2B861	VT2P,B	86	207.1	17.3	0	31.4	558	7
NK Brand	NK8618-3011A	3011,A	86	205.9	18.0	0	31.4	551	10
Titan Pro	83-87 2P	VT2P,B	87	202.4	17.3	0	31.7	545	11
Dairyland	DS-9686	3000GT	86	201.7	17.4	0	31.4	543	12
NK Brand	NK8881-3010A	3010,A	88	199.0	17.4	0	31.0	535	15
Thunder	6888VT2P	VT2P,B	88	198.4	17.0	0	31.4	536	13
NuTech/G2 Gen	E5FN-A386	OI	86	197.9	16.9	0	31.0	535	16
Latham	LH3755VT2ProRIB	VT2P,B	87	196.2	17.3	0	31.4	528	20
Renk	RK287VT2P	VT2P,B	87	195.4	16.6	0	31.7	530	18
Latham	LH3585VT2Pro	VT2P	85	195.3	16.5	1	31.4	530	19
REA	3B891	VT2P,B	89	195.1	17.0	1	30.6	527	21
Mustang	3287VT2PRIB	VT2P,B	87	194.9	15.6	0	31.4	533	17
Mustang	2290VT2PRIB	VT2P,B	90	193.9	17.9	0	32.5	519	24
NuTech	5N-886	3011,A	86	193.3	16.7	0	31.4	523	23
Hefty	H3712VT2PRIB	VT2P,B	87	193.1	16.4	0	31.0	524	22
Golden Harvest	G88F37-3010A	3010,A	88	191.0	17.3	2	31.0	514	27
Latham	LH3695VT2ProRIB	VT2P,B	86	190.2	16.4	0	31.4	516	25
Renk	RK408VT2P	VT2P,B	90	189.9	17.4	0	30.6	511	28
Thunder	6987VT2P	VT2P	87	189.1	16.0	0	32.1	515	26
Hefty	H3622VT2P	VT2P	86	188.7	16.7	0	31.4	511	29
Mustang	3286VT2PRIB	VT2P,B	86	187.6	16.4	0	31.7	509	31
Proseed	1787VT2PRIB	VT2P,B	87	187.4	15.9	0	30.2	511	30
Pioneer	P9188AM CK	AM,B	91	199.3	17.6	0	31.0	535	14
Averages =				193.7	17.0	1	31.3	523	
LSD (0.10) =				13.2	0.7	2			
LSD (0.25) =				6.9	0.3	1			
C.V. =				7.5					
Luke Brendemuhl luke.brendemuhl@firstseedtests.com, (218) 790-4497									New test site, no yield history

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$2.75; non-GMO = \$2.75

Test Comments: The tests and surrounding field had a great start to the growing season. Plants were close to chest high in early July.

At harvest, we noticed that certain hybrids had experienced varying degrees of greensnap earlier in the season which impacted yield level and and yield consistency resulting in elevated C.V. and LSD values.

† 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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Full-Season Test
91 - 95 Day CRM
B2018RRSO01b

Top 30 of 40
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
Anderson	742R	RR2	92	234.8	18.4	0	31.7	626	1
Enestvedt	E612RR	RR2	92	228.7	18.9	0	32.1	607	2
Thunder	6992VT2P	VT2P	92	227.6	18.7	0	31.4	605	3
NuTech	5G-293	3110,A	93	226.7	18.9	0	31.0	601	4
NK Brand	NK9227-3220A-EZR	3220,A,B	92	226.4	19.6	0	32.5	597	5
Hefty	H4522VT2P	VT2P	95	225.1	20.3	0	31.4	589	8
Mustang	2291VT2PRIB	VT2P,B	91	223.0	19.2	0	31.7	590	6
Renk	8-536VT2P	VT2P	94	221.0	19.2	10	31.7	585	9
Titan Pro	TP 48-93 2P GC	VT2P,B	93	219.9	19.2	0	31.4	582	10
Hefty	H4222VT2P	VT2P	92	219.8	19.0	0	31.7	582	11
Golden Harvest	G90Y04-3220A-EZR	3220,A,B	92	219.2	19.4	1	31.4	579	12
Titan Pro	82-95 2P	VT2P,B	95	217.4	20.4	0	31.0	569	17
REA	3D910	VT2P,DG,B	91	216.6	18.8	0	31.4	575	13
Dyna-Gro	D32VC41	VT2P	92	215.7	18.6	1	32.1	574	14
Federal	4190VT2P GC	VT2P	91	214.6	18.8	1	32.1	570	15
Mustang	3294VT2PRIB	VT2P,B	94	214.0	18.5	1	30.6	570	16
Dairyland	DS-7294A	3220	94	214.0	19.3	0	29.9	565	18
Thunder	6993VT2P	VT2P	93	213.4	19.3	0	31.7	564	19
Anderson	795R	RR2	95	212.5	19.4	0	29.9	561	21
Hefty	H4102VT2PRIB	VT2P,B	91	210.9	18.3	1	32.1	563	20
Federal	4580VT2PRIB GC	VT2P,B	95	208.5	19.6	0	31.0	549	22
Dahlman	R47-24VT2PRIB	VT2P,B	94	206.9	19.4	0	31.0	546	24
Latham	LH4517VT2Pro	VT2P	95	206.2	19.7	7	31.4	543	25
Golden Harvest	G95D32-3220-EZR	3220,B	95	205.8	20.5	14	31.0	538	27
Thunder	6791VT2P	VT2P,B	91	205.6	18.6	2	32.1	547	23
Renk	RK433RR	RR2	92	203.9	18.8	0	31.0	541	26
Dahlman	R48-28VT2PRIB	VT2P,B	95	202.9	19.4	0	31.4	536	28
Hefty	H4324SS	STX	93	202.6	19.1	0	32.1	536	29
Latham	LH4454VT2ProRIB	VT2P,B	94	202.3	19.6	9	30.6	533	31
Thunder	6794VT2P	VT2P,B	94	202.0	19.1	11	31.4	535	30
Pioneer	P9188AM CK	AM,B	91	222.4	18.8	0	30.2	590	7

Averages = **208.4** **19.1** **3** **31.3** **552**

LSD (0.10) = 15.3 0.7 9

LSD (0.25) = 8.1 0.3 5

C.V. = 8.1

New test site, no yield history

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Early-Season Test Products (40 Total)

Company/Brand	Product/Brand	Technol.	Seed Trt.	RM	Company/Brand	Product/Brand	Technol.	Seed Trt.	RM
Dairyland	DS-9686	3000GT	CM,C5,Vi,In	86					
Dairyland	RPM-2918AM	AM,B	CM,C2,R,Lu	85					
Dyna-Gro	D27VC47	VT2P	AC,P5V	87					
Dyna-Gro	D27VC87	VT2P	AC,P5V	87					
Golden Harvest	G84J92-3011A	3011,A	AVC,C2,Vi	85					
Golden Harvest	G88F37-3010A	3010,A	AVC,C2,Vi	88					
Golden Harvest	G89A09-3120-EZR	3120,B	AVC,C2,Vi	89					
Hefty	H3622VT2P	VT2P	HC	86					
Hefty	H3712VT2PRIB	VT2P,B	HC	87					
Hefty	H3902VT2PRIB	VT2P,B	HC	89					
Hefty	H3922VT2P	VT2P	HC	89					
Latham	LH3585VT2Pro	VT2P	AC,P5V	85					
Latham	LH3695VT2ProRIB	VT2P,B	AC,P5V	86					
Latham	LH3755VT2ProRIB	VT2P,B	AC,P2	87					
Latham	LH4015VT2Pro	VT2P	AC,P5V	90					
Mustang	2290VT2PRIB	VT2P,B	AC,P2	90					
Mustang	3286VT2PRIB	VT2P,B	AC,P2	86					
Mustang	3287VT2PRIB	VT2P,B	AC,P2	87					
NK Brand	NK8618-3011A	3011,A	AVC,C2,Vi	86					
NK Brand	NK8881-3010A	3010,A	AVC,C2,Vi	88					
NK Brand	NK8920-3120-EZR	3120,B	AVC,C2,Vi	89					
NuTech	5BN-2889	3010	CM,C2,Vi	89					
NuTech	5N-886	3011,A	MQ,P5V,R	86					
NuTech/G2 Gen	E5FN-A386	OI	MQ,P5V,R	86					
Pioneer	P9188AM CK	AM,B	MQ,C2	91					
Proseed	1689VT2PRIB	VT2P,B	AC,P2	89					
Proseed	1787VT2PRIB	VT2P,B	AC,P2	87					
Proseed	1790VT2PRIB	VT2P,B	AC,P2	90					
REA	2B861	VT2P,B	AC,P2	86					
REA	2B872	VT2P,B	AC,P5V	87					
REA	3B891	VT2P,B	AC,P5V	89					
REA	3B902	VT2P,B	AC,P2	90					
Renk	RK264RR	RR2	AC,P2	85					
Renk	RK287VT2P	VT2P,B	AC,P2	87					
Renk	RK408VT2P	VT2P,B	AC,P2	90					
Thunder	6789VT2P	VT2P,B	AC,P2	89					
Thunder	6888VT2P	VT2P,B	AC,P2	88					
Thunder	6986VT2P	VT2P	AC,P2	86					
Thunder	6987VT2P	VT2P	AC,P2	87					
Titan Pro	83-87 2P	VT2P,B	AC,P2	87					

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Full-Season Test Products (40 Total)

Company/Brand	Product/Brand	Technol.	Seed Trt.	RM	Company/Brand	Product/Brand	Technol.	Seed Trt.	RM
Anderson	742R	RR2	MQ	92					
Anderson	795R	RR2	MQ	95					
Dahlman	R47-24VT2PRIB	VT2P,B	AC,P2	94					
Dahlman	R48-28VT2PRIB	VT2P,B	AC,P2	95					
Dairyland	DS-7294A	3220	CM,C5,Vi,ln	94					
Dyna-Gro	D32VC41	VT2P	AC,P5V	92					
Dyna-Gro	D34VC54	VT2P	AC,P5V	94					
Enestvedt	E612RR	RR2	CM,C2,Vi	92					
Federal	4190VT2P GC	VT2P	AC,P5V	91					
Federal	4580VT2PRIB GC	VT2P,B	AC,P2	95					
Golden Harvest	G90Y04-3220A-EZR	3220,A,B	AVC,C2,Vi	92					
Golden Harvest	G95D32-3220-EZR	3220,B	AVC,C2,Vi	95					
Hefty	H4102VT2PRIB	VT2P,B	HC	91					
Hefty	H4222VT2P	VT2P	HC	92					
Hefty	H4324SS	STX	HC	93					
Hefty	H4522VT2P	VT2P	HC	95					
Latham	LH4187VT2Pro	VT2P	AC,P5V	91					
Latham	LH4437VT2ProRIB	VT2P,B	AC,P2	94					
Latham	LH4454VT2ProRIB	VT2P,B	AC,P2	94					
Latham	LH4517VT2Pro	VT2P	AC,P5V	95					
Mustang	2291VT2PRIB	VT2P,B	AC,P2	91					
Mustang	3294VT2PRIB	VT2P,B	AC,P2	94					
NK Brand	NK9227-3220A-EZR	3220,A,B	AVC,C2,Vi	92					
NK Brand	NK9505-3110	3110	AVC,C2,Vi	95					
NuTech	5G-293	3110,A	MQ,P5V,R	93					
NuTech	E5GN-A395	3110	AVC,Vi	95					
Pioneer	P9188AM CK	AM,B	MQ,C2	91					
Proseed	1591VT2PRIB	VT2P,B	AC,P2	91					
REA	3B923	VT2P,B	AC,P2	92					
REA	3D910	VT2P,DG,B	AC,P5V	91					
Renk	8-536VT2P	VT2P	AC,P2	94					
Renk	RK433RR	RR2	AC,P2	92					
Renk	RK568VT2P	VT2P,B	AC,P2	94					
Thunder	6791VT2P	VT2P,B	AC,P2	91					
Thunder	6794VT2P	VT2P,B	AC,P2	94					
Thunder	6992VT2P	VT2P	AC,P5V	92					
Thunder	6993VT2P	VT2P	AC,P2	93					
Titan Pro	82-95 2P	VT2P,B	AC,P2	95					
Titan Pro	TP 48-93 2P GC	VT2P,B	AC,P2	93					
Titan Pro	TP 58-95 SS GC	STX,B	AC,P5V	95					

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.