

## 2017 Corn Grain Top 30 Harvest Report

Red River Valley South [ RRSO ] HAWLEY  
Mark Kasin, Clay County, MN 56549



PREV. CROP/HERB: Soybean / Roundup  
SOIL DESCRIPTION: Hokans- Buse Complex loam, well drained, non-irrigated  
SOIL CONDITION: Conventional w/ fall till, very low P, low K, 7.6 pH, 3.5% OM, 21.6 CEC  
PEST MANAGEMENT: Force, Roundup, SureStart, atrazine  
FERTILITY - Applied N: 130 Spring  
Applied N-P-K (units): 130-50-50  
SEDED - RATE - ROW: May 14 32,500 /A 30" spacing  
HARVESTED - STAND: Nov 16 30,800 /A

### Early-Season Test

**88 - 93 Day CRM**  
B2017RRSO04a

### Top 30 of 36

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
REA	3B902	VT2P,B	90	<b>220.8</b>	19.1	1	31.5	640	1
Latham	LH409VT2ProRIB	VT2P,B	90	<b>205.4</b>	18.9	1	30.5	596	2
Legacy Seeds	LX-3047VT2PRO	VT2P	91	<b>203.3</b>	19.1	1	32.4	589	3
REA	4B931-RIB	VT2P,B	93	200.9	19.5	2	30.0	580	5
Hefty	H3902VT2PRIB	VT2P,B	89	199.5	18.6	2	31.0	581	4
Mustang	2290VT2PRIB	VT2P,B	90	199.5	19.1	1	30.5	578	6
Mustang	3292VT2PRIB	VT2P,B	92	196.7	20.3	1	31.5	564	8
Latham	LH4147VT2ProRIB	VT2P,B	91	196.0	19.1	1	34.4	568	7
Dyna-Gro	D33QZ23	3110,A	93	195.2	19.7	1	28.6	563	10
NuTech	5G-293	3010	93	194.4	19.8	1	29.5	560	11
Latham	LH3877VT2ProRIB	VT2P,B	88	193.3	18.3	1	31.9	564	9
Anderson	742R	RR2	92	189.9	19.7	1	29.5	547	13
Dairyland	DS-9090SSX	STX	90	189.0	19.5	1	31.0	546	14
Thunder	4791RR	RR2	91	188.3	18.6	1	30.0	548	12
Hefty	H4012VT2P	VT2P	90	188.3	20.3	1	31.0	540	17
Golden Harvest	G89A09-3010	3010	89	187.9	19.1	1	29.5	544	15
Thunder	6888VT2PRIB	VT2P	88	187.9	19.3	1	30.0	544	16
Thunder	7993VT2PRIB	VT2P,B	93	187.1	20.4	1	31.0	536	20
Legacy Seeds	L-3115VT2PRORIB	VT2P,B	92	186.2	19.2	1	31.5	539	18
Golden Harvest	G90Y04-3110A	3110,A	92	185.8	19.8	2	31.5	535	21
Legacy Seeds	L-3017VT2PRO	VT2P	90	185.6	21.1	1	31.0	528	25
Mycogen	MY87B11 GC	GT	87	185.0	19.8	2	29.5	533	22
REA	3A922-RIB	STX,B	92	184.8	18.7	1	34.4	537	19
NK Brand	NK8618-3011A	3011,A	86	183.6	19.1	1	30.5	532	23
Dyna-Gro	D32VC41	VT2P	92	183.3	19.0	2	30.0	532	24
Latham	LH3937VT2Pro	VT2P	89	182.2	20.6	1	29.0	521	26
Thunder	6789VT2PRIB	VT2P,B	89	179.3	19.0	1	30.0	520	28
Mustang	2289VT2PRIB	VT2P,B	89	179.0	18.9	1	31.5	520	29
Proseed	1591VT2PRIB	VT2P,B	91	178.6	19.0	1	31.0	518	30
Mustang	4291VT2PRIB	VT2P,B	91	176.8	18.7	1	31.9	514	31
Dekalb	DKC44-13RIB CK	STX,B	94	180.5	19.6	1	31.5	521	27

Mark Tollefson  
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Averages =	<b>187.5</b>	<b>19.4</b>	<b>1</b>	<b>30.8</b>	<b>542</b>
LSD (0.10) =	15.0	0.4	ns		
LSD (0.25) =	7.9	0.2	ns		
C.V. =	7.6	Prev. years average yield, 165.8 bu/a, 8 yrs			

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

**Test Comments:** *At harvest, the corn plants were around 6 six feet tall and the plot looked even and uniform. Stalks remained largely in good shape and weed control was effective. Overall, harvest conditions were very good. Grain moistures were a little elevated, as this site is the northernmost within the region. The cool summer limited GDU accumulation which also contributed to the high grain moistures this year.*

† 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: 11/16/2017 Revised:

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PEST MANAGEMENT: Force, Roundup, SureStart, atrazine  
FERTILITY - Applied N: 130 Spring  
Applied N-P-K (units): 130-50-50  
SEDED - RATE - ROW: May 14 32,500 /A 30" spacing  
HARVESTED - STAND: Nov 16 30,400 /A

**Full-Season Test**  
**94 - 97 Day CRM**  
B2017RRSO04b

**Top 30 of 36**  
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
Proseed	PX694VT2PRIB	VT2P,B	94	<b>208.3</b>	21.7	1	31.0	590	1
Latham	LH4437VT2ProRIB	VT2P,B	94	<b>207.7</b>	21.4	1	31.9	590	2
Thunder	6794VT2PRIB	VT2P,B	94	<b>205.2</b>	21.6	1	31.0	582	4
Thunder	7396VT2PRIB	VT2P,B	96	<b>201.9</b>	19.2	1	30.0	585	3
Proseed	1595VT2PRIB	VT2P,B	95	<b>201.4</b>	20.7	1	31.5	576	5
NuTech/G2 Gen	5F-196^	AM,B	96	197.0	19.5	1	32.4	569	6
Thunder	4695RR	RR2	95	194.0	21.2	1	31.0	552	7
Legacy Seeds	L-3816VT2PRODG	VT2P,B	98	193.7	21.7	1	30.0	549	9
Hefty	H4612VT2P	VT2P	96	192.1	20.4	1	30.0	550	8
Pioneer	P9608AMXT GC	AMXT,B	96	190.8	19.9	1	28.6	549	10
Anderson	795R	RR2	95	187.7	21.5	1	31.5	533	13
Proseed	GX695-3000GT	3000GT	95	186.6	20.3	1	30.0	535	12
NuTech/G2 Gen	5FN-6097^	OI	97	186.5	19.5	1	29.5	539	11
Legacy Seeds	L-3416VT2PRORIB	VT2P,B	94	186.2	21.2	1	31.0	530	14
Renk	RK566SSTX	STX,B	94	185.7	20.8	1	29.5	530	15
Legacy Seeds	L-3626VT2PRORIB	VT2P,B	97	184.8	21.2	1	28.1	526	16
Mustang	3294VT2PRIB	VT2P,B	94	182.9	20.6	1	30.5	523	18
Mustang	3894SSRIB	STX,B	94	182.2	20.2	1	31.9	523	19
Golden Harvest	G95D32-3110	3110	95	181.8	19.5	2	31.9	525	17
Dahlman	R48-21VT2P	VT2P	96	179.8	21.1	1	29.0	512	22
Dahlman	R48-28VT2P	VT2P	95	179.5	20.3	1	29.0	515	21
Dyna-Gro	D34VC54	VT2P	94	179.4	21.7	1	31.9	508	23
Latham	LH4657VT2Pro	VT2P	96	175.9	20.5	1	31.5	504	24
Latham	LH4727VT2ProRIB	VT2P,B	97	173.3	19.1	1	30.0	502	25
Mustang	4297VT2PRIB	VT2P,B	97	172.2	22.4	1	28.1	485	29
Renk	RK568VT3P	VT3P,B	95	171.6	20.9	1	31.0	489	28
Dairyland	DS-7294	3110	94	171.0	20.1	1	30.5	491	27
Dahlman	R47-24VT2PRIB	VT2P,B	94	171.0	21.7	1	31.0	484	30
NK Brand	NK9454-3110A	3110,A	94	170.8	19.8	4	31.0	492	26
Latham	LH4454VT2ProRIB	VT2P,B	94	170.7	21.8	1	31.5	483	31
Dekalb	DKC44-13RIB CK	STX,B	94	181.7	20.4	1	29.5	521	20

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Averages =	<b>182.4</b>	<b>20.8</b>	<b>1</b>	<b>30.4</b>	<b>521</b>
LSD (0.10) =	18.6	0.3	1		
LSD (0.25) =	9.8	0.2	0		
C.V. =	9.7	Prev. years average yield, 165.8 bu/a, 8 yrs			

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

**Test Comments:** *At harvest, the corn plants were around 6 six feet tall and the plot looked even and uniform. Stalks remained largely in good shape and weed control was effective. Overall, harvest conditions were very good. Grain moistures were a little elevated, as this site is the northernmost within the region. The cool summer limited GDU accumulation which also contributed to the high grain moistures this year.*

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2017 Corn Grain - Red River Valley South [ RRSO ]



**Early-Season Test Products (36 Total)**

Company/Brand	Product/Brand	Technol.	Seed Trt.	RM	Company/Brand	Product/Brand	Technol.	Seed Trt.	RM
Anderson	742R	RR2	MQ	92					
Dairyland	DS-6091	RR2	CM,C2	91					
Dairyland	DS-9090SSX	STX	CM,C5,Vi,ln	90					
Dekalb	DKC44-13RIB CK	STX,B	AC,P5V	94					
Dyna-Gro	D32VC41	VT2P	AC,P5V	92					
Dyna-Gro	D33QZ23	3110,A	AVC,C2,Vi	93					
Golden Harvest	G89A09-3010	3010	AVC,C2,Vi	89					
Golden Harvest	G90Y04-3110A	3110,A	AVC,C2,Vi	92					
Hefty	H3902VT2PRIB	VT2P,B	AC,P2,ln	89					
Hefty	H4012VT2P	VT2P	AC,P2,ln	90					
Hefty	H4102VT2PRIB	VT2P,B	AC,P2,ln	91					
Latham	LH3877VT2ProRIB	VT2P,B	AC,P2	88					
Latham	LH3937VT2Pro	VT2P	AC,P5V	89					
Latham	LH4097VT2ProRIB	VT2P,B	AC,P2	90					
Latham	LH4147VT2ProRIB	VT2P,B	AC,P2	91					
Legacy Seeds	L-3017VT2PRO	VT2P	AC,P2	90					
Legacy Seeds	L-3115VT2PRORIB	VT2P,B	AC,P2	92					
Legacy Seeds	LX-3047VT2PRO	VT2P	AC,P2	91					
Mustang	2289VT2PRIB	VT2P,B	AC,P2	89					
Mustang	2290VT2PRIB	VT2P,B	AC,P2	90					
Mustang	3292VT2PRIB	VT2P,B	AC,P2	92					
Mustang	4291VT2PRIB	VT2P,B	AC,P2	91					
Mycogen	MY87B11 GC	GT	CM,C5,Vi,ln	87					
NK Brand	NK8618-3011A	3011,A	AVC,C2,Vi	86					
NuTech	5G-293	3010	MQ,P5V,R	93					
Proseed	1591VT2PRIB	VT2P,B	AC,P2	91					
Proseed	PX790VT2PRIB	VT2P,B	AC,P2	90					
REA	3A922-RIB	STX,B	AC,P5V	92					
REA	3B902	VT2P,B	AC,P5V	90					
REA	3B910	VT2P,B	AC,P5V	91					
REA	4B931-RIB	VT2P,B	AC,P5V	93					
Renk	RK433RR	RR2	AC,P2	92					
Thunder	4791RR	RR2	AC,P2	91					
Thunder	6789VT2PRIB	VT2P,B	AC,P2	89					
Thunder	6888VT2PRIB	VT2P	AC,P2	88					
Thunder	7993VT2PRIB	VT2P,B	AC,P2	93					

2017 Corn Grain - Red River Valley South [ RRSO ]



**Full-Season Test Products (36 Total)**

Company/Brand	Product/Brand	Technol.	Seed Trt.	RM	Company/Brand	Product/Brand	Technol.	Seed Trt.	RM
Anderson	684R	RR2	MQ	98					
Anderson	795R	RR2	MQ	95					
Dahlman	R47-24VT2PRIB	VT2P,B	AC,P2	94					
Dahlman	R48-21VT2P	VT2P	AC,P5V	96					
Dahlman	R48-28VT2P	VT2P	AC,P5V	95					
Dairyland	DS-7294	3110	CM,C5,Vi,In	94					
Dekalb	DKC44-13RIB CK	STX,B	AC,P5V	94					
Dyna-Gro	D34VC54	VT2P	AC,P5V	94					
Golden Harvest	G95D32-3110	3110	AVC,C2,Vi	95					
Hefty	H4504SSRIB	STX,B	AC,P5V,In	95					
Hefty	H4612VT2P	VT2P	AC,P2,In	96					
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					
Mustang	3294VT2PRIB	VT2P,B	AC,P2	94					
Mustang	3894SSRIB	STX,B	AC,P2	94					
Mustang	4297VT2PRIB	VT2P,B	AC,P2	97					
NK Brand	NK9454-3110A	3110,A	AVC,C2,Vi	94					
NuTech/G2 Gen	5F-196^	AM,B	MQ,P5V,R	96					
NuTech/G2 Gen	5FN-5096^	OI	MQ,P1V,R	96					
NuTech/G2 Gen	5FN-6097^	OI	MQ,P1V,R	97					
NuTech/G2 Gen	X5FN-9502^	OI	MQ,P1V,R	95					
Pioneer	P9608AMXT GC	AMXT,B	MQ,C2,Lu	96					
Proseed	1595VT2PRIB	VT2P,B	AC,P2	95					
Proseed	GX695-3000GT	3000GT	CM,C2	95					
Proseed	PX694VT2PRIB	VT2P,B	AC,P2	94					
Renk	RK566SSTX	STX,B	AC,P5V	94					
Renk	RK568VT3P	VT3P,B	AC,P5V	95					
Thunder	4695RR	RR2	AC,P2	95					
Thunder	6794VT2PRIB	VT2P,B	AC,P2	94					
Thunder	7396VT2PRIB	VT2P,B	AC,P2	96					

## 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.