

2017 Corn Grain Top 30 Harvest Report

Red River Valley South [RRSO] ELBOW LAKE
Chad Biss, Grant County, MN 56531



PREV. CROP/HERB: Soybean / Roundup
SOIL DESCRIPTION: Formdale Clay Loam clay loam, well drained, non-irrigated
SOIL CONDITION: Conventional w/ fall till, high P, medium K, 7.9 pH, 4.7% OM, 29 CEC
PEST MANAGEMENT: Force, Roundup Weathermax, SureStart
FERTILITY - Applied N: 150 Spring
Applied N-P-K (units): 150-60-30
SEEDING - RATE - ROW: May 14 32,500 /A 30" spacing
HARVESTED - STAND: Oct 29 30,800 /A

Early-Season Test

88 - 93 Day CRM
B2017RRSO05a

Top 30 of 36

For Gross Income (Sorted by Yield)

Average of (4) Replications

Company/Brand	Product/Brand†	Technol.†	RM	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
REA	3B910	VT2P,B	91	226.2	18.4	2	30.1	659	1
Legacy Seeds	LX-3047VT2PRO	VT2P	91	219.8	20.6	1	31.6	629	2
Hefty	H4012VT2P	VT2P	90	219.4	20.3	1	30.9	629	3
Latham	LH4097VT2ProRIB	VT2P,B	90	217.2	19.3	1	29.4	628	4
REA	3A922-RIB	STX,B	92	217.1	20.2	1	31.2	623	6
REA	3B902	VT2P,B	90	216.5	19.5	2	30.9	625	5
NuTech	5G-293	3010	93	214.0	20.1	4	31.2	615	9
Thunder	6888VT2PRIB	VT2P	88	213.3	18.7	2	31.6	620	7
Thunder	7993VT2PRIB	VT2P,B	93	213.0	20.7	2	32.3	609	11
Proseed	1591VT2PRIB	VT2P,B	91	212.9	19.2	2	29.8	616	8
Hefty	H4102VT2PRIB	VT2P,B	91	211.5	19.2	3	30.9	612	10
Legacy Seeds	L-3017VT2PRO	VT2P	90	210.6	20.1	3	31.2	605	13
Hefty	H3902VT2PRIB	VT2P,B	89	208.7	18.5	2	31.2	608	12
Thunder	6789VT2PRIB	VT2P,B	89	207.6	18.5	1	30.9	605	14
Dyna-Gro	D32VC41	VT2P	92	207.4	19.3	1	32.3	600	15
Proseed	PX790VT2PRIB	VT2P,B	90	206.8	19.9	1	30.1	595	17
REA	4B931-RIB	VT2P,B	93	205.3	20.1	1	31.6	590	20
Thunder	4791RR	RR2	91	205.0	19.1	3	30.1	594	18
Renk	RK433RR	RR2	92	204.4	21.1	2	31.2	582	25
Mustang	3292VT2PRIB	VT2P,B	92	204.3	21.3	1	30.5	581	26
Mustang	4291VT2PRIB	VT2P,B	91	204.1	19.7	2	32.3	588	21
Mustang	2289VT2PRIB	VT2P,B	89	203.7	18.3	3	31.6	594	19
Golden Harvest	G90Y04-3110A	3110,A	92	203.6	19.8	13	32.3	586	22
Latham	LH4147VT2ProRIB	VT2P,B	91	202.1	19.3	2	30.9	585	24
Mustang	2290VT2PRIB	VT2P,B	90	201.9	19.0	2	29.8	586	23
Latham	LH3937VT2Pro	VT2P	89	200.7	21.0	2	30.1	572	29
Latham	LH3877VT2ProRIB	VT2P,B	88	199.5	18.7	3	30.9	580	27
Dairyland	DS-9090SSX	STX	90	198.1	18.8	1	31.6	575	28
Legacy Seeds	L-3115VT2PRORIB	VT2P,B	92	197.7	19.5	2	29.8	571	31
Dairyland	DS-6091	RR2	91	197.6	19.3	2	31.9	572	30
Dekalb	DKC44-13RIB CK	STX,B	94	209.8	20.9	2	30.9	598	16

Mark Tollefson
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Averages =	205.4	19.6	2	30.8	592
LSD (0.10) =	11.7	0.5	2		
LSD (0.25) =	6.2	0.3	1		
C.V. =	6.3	Prev. years average yield, 181.3 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: *Good weed control all season. With the dry weather in July and the cool August, Chad Biss, our host farmer here, has been happy to see corn yields close to 200 bushels per acre in his fields. We saw some relatively minor goosenecked corn here. Grain moisture ran higher at this location compared to what we have seen at other sites so far 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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 FERTILITY - Applied N: 150 Spring
 Applied N-P-K (units): 150-60-30
 SEEDING - RATE - ROW: May 14 32,500 /A 30" spacing
 HARVESTED - STAND: Oct 29 30,900 /A

Full-Season Test
94 - 97 Day CRM
 B2017RRSO05b

Top 30 of 36

For Gross Income (Sorted by Yield)
 Average of (4) Replications

Company/Brand	Product/Brand†	Technol.†	RM	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Dahlman	R48-21VT2P	VT2P	96	232.7	21.1	1	30.9	663	1
Latham	LH4454VT2ProRIB	VT2P,B	94	232.3	21.8	1	31.6	657	2
Thunder	7396VT2PRIB	VT2P,B	96	223.7	19.8	1	31.9	644	3
Latham	LH4657VT2Pro	VT2P	96	218.6	21.3	1	29.4	621	5
Hefty	H4612VT2P	VT2P	96	218.1	21.9	1	30.9	617	9
Anderson	795R	RR2	95	218.0	21.5	1	31.6	619	7
Thunder	6794VT2PRIB	VT2P,B	94	217.9	21.2	5	31.2	620	6
Proseed	1595VT2PRIB	VT2P,B	95	217.7	20.2	3	32.3	625	4
NK Brand	NK9454-3110A	3110,A	94	215.2	20.2	3	32.3	618	8
NuTech/G2 Gen	X5FN-9502^	OI	95	214.7	21.3	3	29.0	610	11
Mustang	4297VT2PRIB	VT2P,B	97	214.1	22.9	2	32.3	600	17
Mustang	3294VT2PRIB	VT2P,B	94	213.6	20.6	3	31.9	611	10
Latham	LH4437VT2ProRIB	VT2P,B	94	213.3	20.6	5	32.3	610	12
Legacy Seeds	L-3416VT2PRORIB	VT2P,B	94	211.8	20.7	3	31.6	605	14
Mustang	3894SSRIB	STX,B	94	211.6	20.3	1	30.5	607	13
Thunder	4695RR	RR2	95	210.3	22.2	2	30.9	593	19
Dahlman	R48-28VT2P	VT2P	95	209.2	21.6	2	31.6	593	20
Legacy Seeds	L-3816VT2PRODG	VT2P,B	98	208.9	22.5	1	29.0	588	24
Legacy Seeds	L-3626VT2PRORIB	VT2P,B	97	208.8	21.8	1	28.7	591	23
Golden Harvest	G95D32-3110	3110	95	208.7	19.7	5	32.3	602	16
Hefty	H4504SSRIB	STX,B	95	208.5	21.3	1	30.5	593	21
Renk	RK566SSTX	STX,B	94	208.1	21.0	2	31.2	593	22
Pioneer	P9608AMXT GC	AMXT,B	96	207.4	20.2	1	30.9	595	18
Dyna-Gro	D34VC54	VT2P	94	205.1	20.4	3	30.1	588	25
Dairyland	DS-7294	3110	94	204.9	20.4	5	32.3	587	26
Legacy Seeds	L-3712VT2PRORIB	VT2P,B	96	204.2	22.7	3	29.8	573	31
Dahlman	R47-24VT2PRIB	VT2P,B	94	203.8	21.2	4	30.5	580	27
Proseed	PX694VT2PRIB	VT2P,B	94	201.5	20.5	2	31.6	577	28
Proseed	GX695-3000GT	3000GT	95	201.1	20.8	10	30.1	574	29
NuTech/G2 Gen	5FN-6097^	OI	97	200.2	20.3	2	30.9	574	30
Dekalb	DKC44-13RIB CK	STX,B	94	211.4	20.9	1	30.5	603	15

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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 [®] brand seed is distributed by NuTech Seed, LLC. Catalyst [™] and Power Plus [®] brand seed is distributed by Burrus. HPT [®] brand seed is distributed by Hoegemeyer Hybrids, Innotech [™] brand seed is distributed by Rob-See-Co, LLC. RPM [®] brand seed is distributed by Doebler's PA Hybrids, Inc. Supreme EX [®] brand seed is distributed by Seed Consultants, Inc. VPM [®] brand seed is distributed by AgVenture, Inc. XL [®] and Phoenix [®] brand seed is distributed by Beck's Superior Hybrids. Curry [®] , G2 [®] , HPT [®] , Power Plus [®] , RPM [®] , Supreme EX [®] , VPM [®] and XL [®] are registered trademarks of DuPont Pioneer. Catalyst [™] , Innotech [™] and Phoenix [®] 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 [®] 3000GT (CB,RW,LL,GT)	GT	Agrisure [®] GT
3010	Agrisure [®] 3010 (CB,LL,GT)	HX	Herculex [®] 1, contains LL
3011,A	Agrisure [®] Artesian [®] (CB,RW,LL,GT)	HXRW	Herculex [®] Rootworm, contains LL
3110	Agrisure [®] Viptera [®] 3110 (Vip, CB,LL,GT)	HXT	Herculex [®] Xtra (HX,HXRW,LL)
3111	Agrisure [®] Viptera [®] 3111 (Vip,CB,RW,LL,GT)	LL	LibertyLink [®]
3120	Agrisure [®] 3120 (CB,HX,LL,GT)	None	conventional corn
3122	Agrisure [®] 3122 (CB,HXX,RW,LL,GT)	OI	Optimum [®] Intrasect [®] , YHR (YGCB,HX,LL,RR2)
3220	Agrisure [®] Viptera [®] 3220 (Vip,CB,HX,LL,GT)	OIX	Optimum [®] Intrasect [®] Xtra, YXR (YGCB,HXT,LL,RR2)
A	Agrisure [®] Artesian [®]	OIXT	Optimum [®] Intrasect [®] Xtreme (YGCB,HXT,RW,LL,RR2)
AM	Optimum [®] AcreMax [®] (YGCB,HX,LL,RR2)	PC	PowerCore [™] (HX, VT2P)
AMT	Optimum [®] AcreMax [®] TRIsect (HX,RW,LL,RR2)	RR2	Roundup Ready [®] 2 Corn
AMX	Optimum [®] AcreMax [®] Xtra (YGCB,HXT,LL,RR2)	RW	Agrisure [®] Rootworm
AMXT	Optimum [®] AcreMax [®] Xtreme (YGCB,HXT,RW,LL,RR2)	STX	SmartStax [®] (VT3P,HXT,RR2,LL)
AQ	Optimum [®] AQUAMax [®]	VT2P	Genuity [®] VT Double PRO [®]
B	Refuge Blend	VT3P	Genuity [®] VT Triple PRO [®]
CB	Agrisure [®] Corn Borer	YGCB	YieldGard [®] Corn Borer
DG	Genuity [®] DroughtGard [®]		

* The refuge component genetics may vary in a refuge blend seed product.

Corn Seed Treatments**

?	information unavailable	In	Intego [™] Solo
A	Allegiance [®]	L	Lorsban [®]
AC	Acceleron [®] fungicide products	Lu	Lumivia [™]
AL2500	Alert 2500 [™]	M	Maxim XL [®]
At	Actellic [®]	MQ	Maxim Quattro [®]
AVC	Avicta [®] Complete Corn	None	untreated
C2, C5, C1	Cruiser [®] at 0.25, 0.5 and 1.25 mg ai/seed, respectively	P2, P5, P1	Poncho [®] at 0.25, 0.5 and 1.25 mg ai/seed, respectively
CE	Cruiser Extreme [®]	R	Raxil [®]
CM	CruiserMaxx [®] Corn	SC	SHIELDCoat [™]
D	Dynasty [®]	V	Votivo [®]
Es	Escalate [®]	Vi	Vibrance [®]

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