

2017 Corn Grain Top 30 Harvest Report

Red River Valley South [RRSO] ROTHSAY
Mark Yaggie, Wilkin County, MN 56520



PREV. CROP/HERB: Soybean / Roundup
SOIL DESCRIPTION: Hokans- Buse Complex loam, well drained, non-irrigated
SOIL CONDITION: Conventional w/ fall till, high P, high K, 5.9 pH, 4.6% OM, 23.5 CEC
PEST MANAGEMENT: Force, Harness, Roundup
FERTILITY - Applied N: 160 Fall, 3 Spring
Applied N-P-K (units): 163-13-30
SEEDING - RATE - ROW: May 14 32,500 /A 30" spacing
HARVESTED - STAND: Nov 14 31,300 /A

Early-Season Test
88 - 93 Day CRM
B2017RRSO03a

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
Hefty	H4012VT2P	VT2P	90	242.8	17.4	1	31.6	714	1
Anderson	742R	RR2	92	237.6	18.3	1	29.8	693	2
Renk	RK433RR	RR2	92	236.7	18.1	1	31.9	692	3
Legacy Seeds	LX-3047VT2PRO	VT2P	91	233.3	18.1	1	32.7	682	5
Proseed	1591VT2PRIB	VT2P,B	91	233.0	17.8	1	29.8	683	4
REA	3A922-RIB	STX,B	92	231.1	18.3	1	29.8	674	10
Dyna-Gro	D32VC41	VT2P	92	230.7	17.8	1	31.9	676	8
Latham	LH3937VT2Pro	VT2P	89	230.3	17.6	2	31.2	676	9
Thunder	6789VT2PRIB	VT2P,B	89	230.0	17.0	3	34.8	679	6
Dairyland	DS-9090SSX	STX	90	229.7	18.7	1	30.9	668	12
Legacy Seeds	L-3017VT2PRO	VT2P	90	228.5	17.5	1	31.2	671	11
Thunder	7993VT2PRIB	VT2P,B	93	228.3	18.6	1	29.8	664	13
Mustang	3292VT2PRIB	VT2P,B	92	226.9	18.2	1	30.9	663	15
REA	3B910	VT2P,B	91	226.0	17.5	2	31.6	664	14
Mustang	2290VT2PRIB	VT2P,B	90	225.1	17.4	2	31.2	662	16
REA	4B931-RIB	VT2P,B	93	223.9	18.1	1	31.2	654	17
Thunder	4791RR	RR2	91	222.7	17.9	1	31.9	652	19
Proseed	PX790VT2PRIB	VT2P,B	90	222.5	17.5	2	30.1	654	18
Dyna-Gro	D33QZ23	3110,A	93	222.1	18.2	1	30.1	649	23
Hefty	H4102VT2PRIB	VT2P,B	91	221.5	17.7	1	33.0	650	22
REA	3B902	VT2P,B	90	221.2	17.2	1	31.6	651	20
Latham	LH3877VT2ProRIB	VT2P,B	88	220.8	17.0	1	33.8	651	21
Latham	LH4097VT2ProRIB	VT2P,B	90	219.0	17.1	1	30.5	646	24
Latham	LH4147VT2ProRIB	VT2P,B	91	218.8	18.2	2	31.2	639	25
Legacy Seeds	L-3115VT2PRORIB	VT2P,B	92	218.4	18.0	1	30.9	639	26
Golden Harvest	G89A09-3010	3010	89	216.9	17.7	1	31.6	636	27
Thunder	6888VT2PRIB	VT2P	88	215.0	17.8	3	32.3	630	28
Mustang	4291VT2PRIB	VT2P,B	91	214.5	17.8	1	29.8	628	29
Hefty	H3902VT2PRIB	VT2P,B	89	212.7	17.0	1	30.5	627	30
Mustang	2289VT2PRIB	VT2P,B	89	209.9	16.9	2	31.2	620	31
Dekalb	DKC44-13RIB CK	STX,B	94	231.3	18.1	1	30.9	676	7

Mark Tollefson
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Averages =	221.6	17.8	2	31.3	649
LSD (0.10) =	12.9	0.3	2		
LSD (0.25) =	6.8	0.2	1		
C.V. =	6.4				

New test site, no yield history

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

Test Comments: *The corn stalks stood straight and even at harvest. Weed control was excellent all year. Stalks were a little damp at harvest as we harvested in a light mist at times. Harvest is dragging out as weather, grain storage and grain drying issues have slowed the harvest pace. Strong yields in the area as most fields have been around 200 bu/acre. Stalk lodging was limited to a few products.*

† 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, Harness, Roundup
FERTILITY - Applied N: 160 Fall, 3 Spring
Applied N-P-K (units): 163-13-30
SEEDING - RATE - ROW: May 14 32,500 /A 30" spacing
HARVESTED - STAND: Nov 14 30,600 /A

Full-Season Test
94 - 97 Day CRM
B2017RRSO03b

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
Latham	LH4437VT2ProRIB	VT2P,B	94	245.0	18.8	2	31.2	712	1
Mustang	3294VT2PRIB	VT2P,B	94	245.0	19.1	3	29.0	710	2
Proseed	PX694VT2PRIB	VT2P,B	94	241.7	19.1	1	29.8	700	3
Dyna-Gro	D34VC54	VT2P	94	239.1	19.2	2	31.6	692	4
Dahlman	R48-21VT2P	VT2P	96	238.8	19.1	1	30.1	692	5
Dahlman	R47-24VT2PRIB	VT2P,B	94	236.2	19.1	1	30.9	684	6
Legacy Seeds	L-3816VT2PRODG	VT2P,B	98	234.9	19.3	2	30.5	679	7
Latham	LH4657VT2Pro	VT2P	96	233.8	19.5	1	30.9	675	9
Mustang	3894SSRIB	STX,B	94	233.6	18.7	1	31.2	679	8
Legacy Seeds	L-3712VT2PRORIB	VT2P,B	96	233.1	20.3	1	30.5	668	13
Thunder	6794VT2PRIB	VT2P,B	94	232.2	19.3	1	29.8	672	11
Proseed	1595VT2PRIB	VT2P,B	95	232.0	18.6	2	30.5	675	10
Mustang	4297VT2PRIB	VT2P,B	97	231.1	20.4	2	31.6	662	15
Latham	LH4454VT2ProRIB	VT2P,B	94	231.0	20.2	2	28.7	663	14
NuTech/G2 Gen	5F-196^	AM,B	96	230.5	18.3	2	32.3	672	12
Renk	RK568VT3P	VT3P,B	95	229.3	19.6	3	30.9	662	16
Legacy Seeds	L-3416VT2PRORIB	VT2P,B	94	228.1	18.9	1	32.3	662	17
Renk	RK566SSTX	STX,B	94	227.7	19.2	2	30.5	659	20
Thunder	7396VT2PRIB	VT2P,B	96	226.1	18.1	2	30.9	661	19
Legacy Seeds	L-3626VT2PRORIB	VT2P,B	97	226.0	20.2	1	29.4	649	24
Dahlman	R48-28VT2P	VT2P	95	224.9	19.2	1	31.6	651	21
Hefty	H4504SSRIB	STX,B	95	224.8	19.4	1	31.6	650	22
Latham	LH4727VT2ProRIB	VT2P,B	97	223.3	18.6	1	30.1	650	23
Thunder	4695RR	RR2	95	223.1	20.2	1	30.5	640	27
Hefty	H4612VT2P	VT2P	96	221.7	19.4	1	31.2	641	26
NuTech/G2 Gen	5FN-6097^	OI	97	221.4	18.4	2	29.8	645	25
Anderson	795R	RR2	95	221.2	19.6	1	30.1	638	28
Pioneer	P9608AMXT GC	AMXT,B	96	219.0	19.0	1	28.7	635	29
NK Brand	NK9454-3110A	3110,A	94	215.1	18.7	5	31.6	625	30
Proseed	GX695-3000GT	3000GT	95	208.3	18.6	3	31.6	606	31
Dekalb	DKC44-13RIB CK	STX,B	94	227.0	18.4	1	31.2	662	18

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Averages = **225.0** **19.1** **2** **30.6** **652**

LSD (0.10) = 13.6 0.3 2

LSD (0.25) = 7.1 0.2 1

C.V. = 6.6

New test site, no yield history

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

Test Comments: *The corn stalks stood straight and even at harvest. Weed control was excellent all year. Stalks were a little damp at harvest as we harvested in a light mist at times. Harvest is dragging out as weather, grain storage and grain drying issues have slowed the harvest pace. Strong yields in the area as most fields have been around 200 bu/acre. Stalk lodging was limited to a few products.*

† 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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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.