

2018 Corn Grain Top 30 Harvest Report
 Red River Valley South [RRSO] BARNESVILLE
 Nate Thompson, Clay County, MN 56514



PREV. CROP/HERB: Sugarbeet / Roundup, Dual, Nortron
 SOIL DESCRIPTION: Wyndmere sandy loam, mod. poor drained, non-irrigated
 SOIL CONDITION: Conventional w/o fall till, medium P, medium K, 8.1 pH, 4.3% OM, 34 CEC
 PEST MANAGEMENT: Roundup, Armezon, atrazine
 FERTILITY - Applied N: 250 Spring
 Applied N-P-K (units): 250-55-15
 SEEDING - RATE - ROW: May 7 33,000 /A 30" spacing
 HARVESTED - STAND: Nov 2 31,400 /A

Early-Season Test
85 - 90 Day CRM
 B2018RRSO02a

Top 30 of 40
 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
Proseed	1790VT2PRIB	VT2P,B	90	174.9	14.2	0	31.4	490	1
Golden Harvest	G89A09-3120-EZR	3120,B	89	172.9	16.4	0	32.1	478	3
REA	3B891	VT2P,B	89	171.6	14.5	0	32.5	480	2
REA	3B902	VT2P,B	90	168.0	14.5	0	32.1	470	4
Thunder	6888VT2P	VT2P,B	88	165.4	15.0	0	31.4	463	5
REA	2B872	VT2P,B	87	163.8	13.8	0	30.2	459	6
Renk	RK408VT2P	VT2P,B	90	163.3	15.3	0	30.6	456	7
NuTech/G2 Gen	E5FN-A386	OI	86	161.5	13.5	0	30.6	452	8
Dyna-Gro	D27VC87	VT2P	87	161.4	13.9	0	32.1	452	9
Hefty	H3712VT2PRIB	VT2P,B	87	161.0	14.3	0	30.2	451	10
Latham	LH3695VT2ProRIB	VT2P,B	86	160.9	14.2	0	31.4	451	11
REA	2B861	VT2P,B	86	159.7	13.5	0	31.4	447	12
NK Brand	NK8920-3120-EZR	3120,B	89	159.6	14.6	1	31.4	447	13
NuTech	5BN-2889	3010	89	158.5	14.8	0	31.0	444	14
Latham	LH3585VT2Pro	VT2P	85	158.5	13.2	1	30.6	444	15
Golden Harvest	G88F37-3010A	3010,A	88	158.4	14.5	1	31.7	444	16
Dairyland	DS-9686	3000GT	86	156.2	13.3	0	30.6	437	17
Mustang	3287VT2PRIB	VT2P,B	87	156.0	14.6	0	32.5	437	18
Hefty	H3622VT2P	VT2P	86	155.9	14.5	0	31.4	437	19
Golden Harvest	G84J92-3011A	3011,A	85	155.2	14.3	0	31.4	435	20
NuTech	5N-886	3011,A	86	155.2	13.6	1	30.2	435	21
Renk	RK287VT2P	VT2P,B	87	155.0	14.7	0	31.7	434	22
Titan Pro	83-87 2P	VT2P,B	87	154.9	14.8	0	29.9	434	23
Thunder	6987VT2P	VT2P	87	153.9	14.5	0	32.5	431	24
Latham	LH4015VT2Pro	VT2P	90	153.5	13.9	1	30.6	430	26
Dyna-Gro	D27VC47	VT2P	87	153.3	14.2	0	32.5	429	27
Hefty	H3902VT2PRIB	VT2P,B	89	151.6	13.5	0	30.6	424	28
NK Brand	NK8881-3010A	3010,A	88	151.3	14.2	0	31.7	424	29
Mustang	2290VT2PRIB	VT2P,B	90	150.7	14.6	0	31.4	422	30
Latham	LH3755VT2ProRIB	VT2P,B	87	150.6	14.1	0	30.6	422	31
Pioneer	P9188AM CK	AM,B	91	153.8	13.9	0	30.6	431	25
Averages =				155.6	14.2	0	31.4	436	
LSD (0.10) =				13.0	0.8	ns			
LSD (0.25) =				6.8	0.4	ns			
C.V. =				9.1					
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 = \$2.80; non-GMO = \$2.80

Test Comments: The plot was planted into a previous year sugar beet field the same day Nate, our host, planted the surrounding field. Growing season rainfall for this site was slightly drier and slightly warmer than the 10-year average. The only dry spell ran from July 22 to August 23, when only 1.3 inches of rain fell. At harvest, hybrids had varying degrees of ear tip dieback, while others were filled to the tip.

† 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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 SEEDED - RATE - ROW: May 7 33,000 /A 30" spacing
 HARVESTED - STAND: Nov 2 31,400 /A

Full-Season Test
91 - 95 Day CRM
 B2018RRSO02b

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 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
Thunder	6993VT2P	VT2P	93	188.2	18.1	0	32.1	512	1
Enestvedt	E612RR	RR2	92	186.8	17.8	0	31.0	510	2
Titan Pro	82-95 2P	VT2P,B	95	184.9	18.8	0	31.0	500	4
Latham	LH4454VT2ProRIB	VT2P,B	94	183.5	17.7	0	32.1	501	3
Mustang	3294VT2PRIB	VT2P,B	94	183.3	18.8	1	32.5	496	5
Latham	LH4437VT2ProRIB	VT2P,B	94	180.8	18.1	0	31.7	492	6
Latham	LH4517VT2Pro	VT2P	95	179.2	18.1	0	32.1	488	7
Golden Harvest	G95D32-3220-EZR	3220,B	95	178.1	18.2	0	31.4	484	8
Thunder	6794VT2P	VT2P,B	94	177.4	19.3	0	31.7	478	9
Titan Pro	TP 48-93 2P GC	VT2P,B	93	176.6	18.9	0	31.7	477	10
Dahlman	R48-28VT2PRIB	VT2P,B	95	176.3	18.7	0	31.0	477	11
Federal	4580VT2PRIB GC	VT2P,B	95	175.1	19.4	0	32.1	471	15
Titan Pro	TP 58-95 SS GC	STX,B	95	174.9	18.1	0	31.4	476	12
Hefty	H4222VT2P	VT2P	92	174.4	19.2	0	31.7	470	17
Golden Harvest	G90Y04-3220A-EZR	3220,A,B	92	174.4	19.9	0	31.4	467	20
Anderson	742R	RR2	92	173.8	17.9	0	32.1	474	13
Hefty	H4324SS	STX	93	173.3	19.0	0	29.9	468	19
Hefty	H4522VT2P	VT2P	95	172.4	18.8	0	31.7	466	21
Anderson	795R	RR2	95	172.1	18.9	0	31.7	465	23
Dahlman	R47-24VT2PRIB	VT2P,B	94	171.7	16.5	2	31.0	474	14
Dyna-Gro	D34VC54	VT2P	94	171.7	17.3	0	31.4	471	16
Thunder	6791VT2P	VT2P,B	91	171.1	17.3	0	30.6	469	18
Dyna-Gro	D32VC41	VT2P	92	170.5	17.6	0	31.7	466	22
REA	3B923	VT2P,B	92	168.8	18.2	0	31.0	459	25
NuTech	5G-293	3110,A	93	168.7	18.5	0	32.1	458	26
Hefty	H4102VT2PRIB	VT2P,B	91	168.3	17.3	0	32.1	462	24
NK Brand	NK9227-3220A-EZR	3220,A,B	92	167.8	18.6	0	31.4	455	27
Renk	RK433RR	RR2	92	166.0	18.8	0	31.0	449	28
Mustang	2291VT2PRIB	VT2P,B	91	162.9	16.7	0	31.7	449	29
Thunder	6992VT2P	VT2P	92	161.0	16.1	0	31.4	446	30
Pioneer	P9188AM CK	AM,B	91	157.6	16.4	1	31.7	436	39
Averages =				171.2	18.1	0	31.4	466	
LSD (0.10) =				10.5	0.8	ns			
LSD (0.25) =				5.5	0.4	ns			
C.V. =				6.7					
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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					

2018 Corn Grain - Red River Valley South [RRSO]



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.