

2017 Corn Grain Top 30 Harvest Report

Red River Valley Central [RRCE] MAYVILLE
 Bill Cotton, Traill County, ND 58045



PREV. CROP/HERB: Soybean / Valor, Roundup, Cadet
 SOIL DESCRIPTION: Glyndon silt loam, mod. poor drained, non-irrigated
 SOIL CONDITION: Conventional w/ fall till, very high P, low K, 8.1 pH, 1.3% OM, 16.1 CEC
 PEST MANAGEMENT: SureStart, atrazine
 FERTILITY - Applied N: 149 Planter
 Applied N-P-K (units): 149-52-60
 SEEDING - RATE - ROW: May 15 34,000 /A 30" spacing
 HARVESTED - STAND: Oct 31 32,100 /A

Early-Season Test
82 - 87 Day CRM
 B2017RRCE02a

Top 30 of 48

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
Mustang	3287VT2PRIB	VT2P,B	87	187.9	20.5	0	31.7	480	2
Latham	LH3695VT2Pro	VT2P	86	185.5	20.4	0	31.7	474	3
Latham	LH3755VT2Pro	VT2P	87	183.3	20.6	1	31.4	467	4
NK Brand	NK8455-3220A-EZR	3220,A,B	84	180.3	19.5	0	32.1	465	5
Hefty	H3712VT2PRIB	VT2P,B	87	177.7	20.0	0	31.0	456	7
Dyna-Gro	D25VC66	VT2P	85	177.3	19.6	0	32.4	457	6
Thunder	4585RR	RR2	85	177.2	20.2	0	31.7	454	9
Renk	RK264VT2P	VT2P,B	85	176.5	19.5	0	32.1	455	8
Miller Hybrids	M87-35	None	87	175.7	22.5	2	30.7	440	13
Proseed	PX787VT2PRIB	VT2P,B	87	174.8	20.0	0	32.4	448	10
Dyna-Gro	D26QH53	3010	86	174.1	20.5	12	32.8	444	12
Taylor	EXP 87 GC	VT2P	87	173.2	19.8	0	32.1	445	11
Golden Harvest	G84J92-3011A	3011,A	84	171.1	21.3	0	32.8	433	16
Renk	RK287VT2P	VT2P,B	87	170.2	21.1	0	32.4	432	17
REA	2B861	VT2P,B	86	169.9	20.2	1	32.1	435	14
REA	2C872	None	87	168.5	20.0	0	33.1	432	18
Hefty	H3302VT2PRIB	VT2P,B	83	168.1	19.3	0	32.1	434	15
NuTech	5N-183	3000GT	83	167.6	20.9	0	31.7	426	21
Prairie Brand	821CONV GC	None	83	166.8	20.8	0	33.1	425	22
NuTech	X5GN-8484	3110,A	84	165.8	18.5	0	31.4	431	19
Latham	LH3487VT2Pro	VT2P	84	165.0	19.1	0	31.4	427	20
NuTech/G2 Gen	X5FN-8504^	OI	85	164.6	19.3	0	31.4	425	23
REA	2B840-RIB	VT2P,B	84	162.6	19.3	0	32.1	420	24
Renk	RK270RR	RR2	85	162.6	19.9	0	32.1	417	25
Enestvedt	E856	None	85	160.9	20.9	0	32.4	409	28
Dairyland	DS-7185	3220	85	160.4	19.0	0	31.4	415	26
Latham	LH3547VT2ProRIB	VT2P,B	85	158.4	20.1	0	32.1	406	31
Hefty	H3502VT2PRIB	VT2P,B	85	157.5	18.6	0	32.4	410	27
Prairie Brand	3578RA	3220,B	85	157.3	19.2	0	33.1	407	29
Channel	182-62VT2PRIB GC	VT2P,B	82	156.6	18.7	0	33.1	407	30
Peterson Seed	74Z87 CK	VT2P,B	87	194.8	19.9	0	32.8	500	1
Averages =				163.2	19.9	0	32.1	419	
LSD (0.10) =				15.8	0.4	ns			
LSD (0.25) =				8.3	0.2	ns			
C.V. =				10.6					
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 = \$2.69; non-GMO = \$2.69

Test Comments: This test site was planted just as Bill, our host farmer, finished planting the surrounding field. The location had slightly below normal rainfall through July. Very little rain fell from August to mid-September. This location was slightly behind on growing degrees, contributing to wetter grain. There were some exceptionally tall full-season test hybrids. Minimal amounts of ear tip die-back was observed.

† 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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 Applied N-P-K (units): 149-52-60
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 HARVESTED - STAND: Oct 31 32,100 /A

Full-Season Test
88 - 91 Day CRM
 B2017RRCE02b

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
Partners Brand	PB 6003 GC	None	90	196.0	20.9	0	31.4	498	1
Anderson	7422	None	92	190.6	22.4	0	32.1	477	4
REA	3B902	VT2P,B	90	190.1	20.1	0	32.1	487	2
Latham	LH3937VT2Pro	VT2P	89	189.3	21.3	0	31.0	479	3
De Dell Seeds	DL 3146 GC	None	92	188.5	22.5	0	33.5	472	8
Proseed	1591VT2PRIB	VT2P,B	91	187.8	21.7	0	31.7	474	6
Mustang	2290VT2PRIB	VT2P,B	90	186.5	21.0	0	32.4	474	7
NK Brand	NK9227-3110A	3110,A	92	186.4	21.4	0	32.1	472	9
Enestvedt	E612	None	92	186.1	22.8	0	32.8	464	15
Taylor	T8291RIB GC	VT2P,B	91	185.8	21.4	0	32.8	470	11
Renk	RK408RR	RR2	90	185.7	20.9	0	32.4	472	10
Partners Brand	PB 6255 GC	None	92	185.4	22.6	0	32.4	464	16
Hefty	H4102VT2PRIB	VT2P,B	91	184.8	21.6	0	32.1	467	13
NK Brand	NK8920-3010	3010	89	184.4	20.9	0	32.4	469	12
Prairie Brand	4037CONV GC	None	91	183.9	21.3	0	31.0	466	14
Thunder	4791RR	RR2	91	180.7	21.7	0	31.7	456	17
Latham	LH4147VT2ProRIB	VT2P,B	91	180.5	21.7	0	32.8	455	18
Mustang	4291VT2PRIB	VT2P,B	91	180.0	21.5	0	32.1	455	19
Proseed	PX790VT2PRIB	VT2P,B	90	177.7	21.6	0	31.4	449	22
Dairyland	DS-6091	RR2	91	177.6	21.6	0	31.7	448	23
Hefty	H4012VT2P	VT2P	90	177.2	20.8	0	32.8	451	21
Thunder	6791VT2PRIB	VT2P,B	91	175.9	21.4	0	32.1	445	24
Latham	LH4097VT2ProRIB	VT2P,B	90	175.8	19.7	0	32.1	452	20
Thunder	6789VT2PRIB	VT2P,B	89	168.5	19.7	0	32.8	433	25
De Dell Seeds	DL 1445 GC	None	89	166.8	21.0	0	31.0	424	27
Hefty	H3902VT2PRIB	VT2P,B	89	166.4	19.5	0	32.1	429	26
Miller Hybrids	RX91-03	None	91	165.4	20.5	0	31.7	422	29
Mustang	2289VT2PRIB	VT2P,B	89	164.2	19.6	0	31.4	423	28
Dairyland	DS-9090SSX	STX	90	161.1	20.8	0	31.4	410	30
REA	3B910	VT2P,B	91	160.1	20.2	0	32.1	410	31
Peterson Seed	74Z87 CK	VT2P,B	87	185.4	19.7	0	32.1	477	5
Averages =				176.5	21.1	0	32.1	448	
LSD (0.10) =				12.1	0.2	1			
LSD (0.25) =				6.4	0.1	1			
C.V. =				7.5					
Luke Brendemuhl luke.brendemuhl@firstseedtests.com, (218) 790-4497				New test site, no yield history					

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Early-Season Test Products (48 Total)

Company/Brand	Product/Brand	Technol.	Seed Trt.	RM	Company/Brand	Product/Brand	Technol.	Seed Trt.	RM
Channel	182-62VT2PRIB GC	VT2P,B	AC,P2	82	Thunder	4383VT2PRIB	VT2P,B	AC,P2	83
Channel	183-22R GC	RR2	AC,P2	83	Thunder	4585RR	RR2	AC,P2	85
Channel	186-31VT2PRIB GC	VT2P,B	AC,P2	86	Thunder	6785VT2PRIB	VT2P,B	AC,P2	85
Dairyland	DS-7185	3220	AVC,C2,Vi,In	85					
Dairyland	DS-9686	3000GT	AVC,C2,Vi	86					
De Dell Seeds	DL 1111 GC	None	MQ	83					
De Dell Seeds	DL 2016 GC	None	MQ	85					
Dyna-Gro	D25VC66	VT2P	AC,P5V	85					
Dyna-Gro	D26QH53	3010	AVC,C2,Vi	86					
Enestvedt	E856	None	CM,C2,Vi	85					
Golden Harvest	G84J92-3011A	3011,A	AVC,C2,Vi	84					
Golden Harvest	G85Z56-3110	3110	AVC,C2,Vi	85					
Hefty	H3202VT2PRIB	VT2P,B	AC,P2,In	82					
Hefty	H3302VT2PRIB	VT2P,B	AC,P2,In	83					
Hefty	H3502VT2PRIB	VT2P,B	AC,P2,In	85					
Hefty	H3712VT2PRIB	VT2P,B	AC,P2,In	87					
Latham	LH3487VT2Pro	VT2P	AC,P5V	84					
Latham	LH3547VT2ProRIB	VT2P,B	AC,P2	85					
Latham	LH3695VT2Pro	VT2P	AC,P5V	86					
Latham	LH3755VT2Pro	VT2P	AC,P5V	87					
Miller Hybrids	M87-35	None	CM,C2	87					
Mustang	2282VT2PRIB	VT2P,B	AC,P2	82					
Mustang	3285VT2PRIB	VT2P,B	AC,P2	85					
Mustang	3287VT2PRIB	VT2P,B	AC,P2	87					
NK Brand	NK8455-3220A-EZR	3220,A,B	AVC,C2,Vi	84					
NuTech	5N-183	3000GT	MQ,P5V,R	83					
NuTech	5N-886	3000GT	MQ,P5V,R	86					
NuTech	X5GN-8484	3110,A	MQ,P5V,R	84					
NuTech/G2 Gen	X5FN-8504^	OI	MQ,P1V,R	85					
Peterson Seed	74Z87 CK	VT2P,B	AC,P2	87					
Prairie Brand	3218VX	HXT,RR2	CM,C5,Vi,In	82					
Prairie Brand	3578RA	3220,B	AVC,C5,Vi	85					
Prairie Brand	3717CONV GC	None	CM,C2,Vi	87					
Prairie Brand	821CONV GC	None	CM,C2,Vi	83					
Proseed	1382VT2PRIB	VT2P,B	AC,P2	82					
Proseed	1383GT	GT	CM,C2	83					
Proseed	GX87-3000GT	3000GT	CM,C2	87					
Proseed	PX787VT2PRIB	VT2P,B	AC,P2	87					
REA	2B840-RIB	VT2P,B	AC,P5V	84					
REA	2B861	VT2P,B	AC,P5V	86					
REA	2C872	None	AC,P5V	87					
Renk	RK264VT2P	VT2P,B	AC,P2	85					
Renk	RK270RR	RR2	AC,P2	85					
Renk	RK287VT2P	VT2P,B	AC,P2	87					
Taylor	EXP 87 GC	VT2P	AC,P5V	87					

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Full-Season Test Products (36 Total)

Company/Brand	Product/Brand	Technol.	Seed Trt.	RM	Company/Brand	Product/Brand	Technol.	Seed Trt.	RM
Anderson	7422	None	MQ	92					
Dairyland	DS-6091	RR2	CM,C2	91					
Dairyland	DS-9090SSX	STX	CM,C5,Vi,In	90					
De Dell Seeds	DL 1389 GC	None	MQ	89					
De Dell Seeds	DL 1445 GC	None	MQ	89					
De Dell Seeds	DL 3146 GC	None	MQ	92					
Enestvedt	E612	None	CM,C2,Vi	92					
Hefty	H3902VT2PRIB	VT2P,B	AC,P2,In	89					
Hefty	H4012VT2P	VT2P	AC,P2,In	90					
Hefty	H4102VT2PRIB	VT2P,B	AC,P2,In	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					
Miller Hybrids	RX91-03	None	CM,C2	91					
Mustang	2289VT2PRIB	VT2P,B	AC,P2	89					
Mustang	2290VT2PRIB	VT2P,B	AC,P2	90					
Mustang	4291VT2PRIB	VT2P,B	AC,P2	91					
NK Brand	NK8920-3010	3010	AVC,C2,Vi	89					
NK Brand	NK9227-3110A	3110,A	AVC,C2,Vi	92					
NuTech/G2 Gen	5F-091^	AM,B	MQ,P5V,R	91					
Partners Brand	PB 6003 GC	None	CM,C2	90					
Partners Brand	PB 6255 GC	None	AL2500	92					
Peterson Seed	74Z87 CK	VT2P,B	AC,P2	87					
Prairie Brand	4037CONV GC	None	CM,C2,Vi	91					
Proseed	1591VT2PRIB	VT2P,B	AC,P2	91					
Proseed	1689VT2PRIB	VT2P,B	AC,P2	89					
Proseed	PX790VT2PRIB	VT2P,B	AC,P2	90					
REA	3B902	VT2P,B	AC,P5V	90					
REA	3B910	VT2P,B	AC,P5V	91					
Renk	RK408RR	RR2	AC,P2	90					
Taylor	T8189 GC	VT2P	AC,P2	89					
Taylor	T8291RIB GC	VT2P,B	AC,P2	91					
Thunder	4791RR	RR2	AC,P2	91					
Thunder	6789VT2PRIB	VT2P,B	AC,P2	89					
Thunder	6791VT2PRIB	VT2P,B	AC,P2	91					

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.