

2017 Corn Grain Top 30 Harvest Report
 Red River Valley Central [RRCE] EAST GRAND FORKS
 Matthew Krueger, Polk County, MN 56721



PREV. CROP/HERB: Soybean / Valor, Liberty
 SOIL DESCRIPTION: Bearden silt loam, mod. poor drained, non-irrigated
 SOIL CONDITION: Conventional w/ fall till, high P, low K, 8 pH, 4.2% OM, 28.3 CEC
 PEST MANAGEMENT: atrazine
 FERTILITY - Applied N: 40 Fall, 20 Spring, 60 Planter
 Applied N-P-K (units): 120-18-55
 SEEDING - RATE - ROW: May 13 34,000 /A 30" spacing
 HARVESTED - STAND: Nov 15 32,000 /A

Early-Season Test
82 - 87 Day CRM
 B2017RRCE04a

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
Proseed	GX87-3000GT	3000GT	87	200.8	18.2	0	31.4	524	1
Dyna-Gro	D26QH53	3010	86	200.3	18.2	0	32.1	523	2
Miller Hybrids	M87-35	None	87	190.4	19.7	0	31.0	490	4
Dairyland	DS-9686	3000GT	86	184.6	19.0	0	32.1	478	10
Hefty	H3712VT2PRIB	VT2P,B	87	184.2	17.3	0	32.8	485	5
NuTech	5N-886	3000GT	86	184.2	18.0	0	31.4	482	7
REA	2C872	None	87	182.3	16.6	0	32.1	483	6
Latham	LH3695VT2Pro	VT2P	86	182.2	17.2	0	32.8	480	8
Prairie Brand	3717CONV GC	None	87	182.0	18.6	0	32.1	473	11
Mustang	3287VT2PRIB	VT2P,B	87	181.9	17.1	0	32.1	480	9
Prairie Brand	821CONV GC	None	83	179.3	17.8	1	32.1	470	12
NuTech	5N-183	3000GT	83	179.1	17.9	0	31.0	469	14
Golden Harvest	G84J92-3011A	3011,A	84	178.6	18.3	0	32.4	466	16
Dairyland	DS-7185	3220	85	178.2	17.2	0	32.1	470	13
Proseed	PX787VT2PRIB	VT2P,B	87	177.7	17.4	0	31.0	467	15
Latham	LH3755VT2Pro	VT2P	87	177.5	18.2	0	31.4	463	17
Channel	183-22R GC	RR2	83	175.3	17.3	0	31.7	461	18
Renk	RK287VT2P	VT2P,B	87	175.2	17.8	0	31.4	459	21
NK Brand	NK8455-3220A-EZR	3220,A,B	84	174.2	16.7	0	32.1	461	19
REA	2B840-RIB	VT2P,B	84	173.1	16.1	0	31.0	461	20
NuTech	X5GN-8484	3110,A	84	173.0	16.7	0	31.0	458	22
Thunder	6785VT2PRIB	VT2P,B	85	172.5	16.5	0	32.4	458	23
Golden Harvest	G85Z56-3110	3110	85	171.9	18.0	1	32.1	450	28
Prairie Brand	3218VX	HXT,RR2	82	171.8	17.2	0	31.7	453	26
REA	2B861	VT2P,B	86	171.5	17.0	2	32.4	453	27
Prairie Brand	3578RA	3220,B	85	171.1	16.4	0	31.7	454	24
Hefty	H3502VT2PRIB	VT2P,B	85	170.9	16.4	0	32.4	454	25
Dyna-Gro	D25VC66	VT2P	85	168.6	17.2	1	32.4	444	29
Latham	LH3487VT2Pro	VT2P	84	167.7	16.6	0	31.7	444	30
NuTech/G2 Gen	X5FN-8504^	OI	85	167.6	16.8	2	32.1	443	31
Peterson Seed	74Z87 CK	VT2P,B	87	192.0	17.5	0	32.1	504	3
Averages =				169.9	17.3	1	32.0	447	
LSD (0.10) =				14.2	0.5	3			
LSD (0.25) =				7.5	0.2	2			
C.V. =				9.2					
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: *The test site was planted the same day as the surrounding field, and Matt, our host farmer, did an excellent job of controlling weeds. The growing season was slightly drier than average, the driest period from mid-July through August. Stress from the dry conditions weakened stalks of some products that lodged in windy conditions and reduced yields. Overall, yields are variable due to lodging losses.*

† 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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Full-Season Test
88 - 91 Day CRM
 B2017RRCE04b

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	3B902	VT2P,B	90	184.1	19.6	0	32.1	474	1
Proseed	1591VT2PRIB	VT2P,B	91	181.5	19.5	0	32.4	468	5
Mustang	2290VT2PRIB	VT2P,B	90	181.4	19.0	0	31.0	470	2
Mustang	2289VT2PRIB	VT2P,B	89	179.4	18.0	0	32.4	469	4
Latham	LH3877VT2ProRIB	VT2P,B	88	177.0	18.0	0	32.8	463	6
Mustang	4291VT2PRIB	VT2P,B	91	176.4	19.7	0	33.1	454	8
De Dell Seeds	DL 1445 GC	None	89	176.1	19.3	0	32.1	455	7
De Dell Seeds	DL 3146 GC	None	92	175.3	20.5	0	32.4	447	12
NK Brand	NK8920-3010	3010	89	174.8	18.8	0	32.8	454	9
Taylor	T8291RIB GC	VT2P,B	91	174.2	19.7	0	33.5	448	11
Miller Hybrids	RX91-03	None	91	173.8	18.0	0	32.1	454	10
Hefty	H4102VT2PRIB	VT2P,B	91	171.7	18.9	0	33.1	445	13
Latham	LH4147VT2ProRIB	VT2P,B	91	169.6	19.3	0	31.0	438	15
Hefty	H3902VT2PRIB	VT2P,B	89	168.9	18.0	0	32.4	442	14
Enestvedt	E612	None	92	168.1	20.9	0	33.1	427	18
Anderson	7422	None	92	167.7	21.0	0	32.1	426	19
Dairyland	DS-9090SSX	STX	90	167.0	19.8	0	33.5	429	17
Partners Brand	PB 6255 GC	None	92	166.2	21.4	0	33.5	420	22
Latham	LH4097VT2ProRIB	VT2P,B	90	165.6	18.5	0	32.1	431	16
Thunder	4791RR	RR2	91	165.3	19.4	0	32.4	426	20
NK Brand	NK9227-3110A	3110,A	92	164.0	19.4	0	32.4	423	21
Taylor	T8189 GC	VT2P	89	159.9	18.2	0	32.8	417	23
Latham	LH3937VT2Pro	VT2P	89	159.4	20.1	3	31.7	408	26
REA	3B910	VT2P,B	91	158.9	18.6	0	31.7	413	24
Thunder	6789VT2PRIB	VT2P,B	89	158.4	18.4	0	32.1	413	25
Thunder	6791VT2PRIB	VT2P,B	91	157.8	19.3	2	32.8	408	27
Proseed	PX790VT2PRIB	VT2P,B	90	157.8	20.1	1	32.1	404	28
Hefty	H4012VT2P	VT2P	90	156.0	19.8	12	32.1	401	29
Proseed	1689VT2PRIB	VT2P,B	89	151.8	18.0	0	31.4	397	30
Partners Brand	PB 6003 GC	None	90	148.3	19.2	2	31.4	383	31
Peterson Seed	74Z87 CK	VT2P,B	87	180.4	18.3	0	33.1	470	3
Averages =				163.4	19.4	2	32.4	422	
LSD (0.10) =				17.9	0.6	6			
LSD (0.25) =				9.4	0.3	3			
C.V. =				12.0					
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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. VPMaxx [®] 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 [®] , VPMaxx [®] 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.