

2017 Corn Grain Top 30 Harvest Report

North Dakota Southeast [NDSE] KULM
 Lowell Berntson, LaMoure County, ND 58456



PREV. CROP/HERB: Soybean / Roundup
 SOIL DESCRIPTION: Roseglen silt loam, mod. well drained, non-irrigated
 SOIL CONDITION: Conventional w/ fall till, medium P, high K, 7.9 pH, 3.9% OM, 24.8 CEC
 PEST MANAGEMENT: glyphosate
 FERTILITY - Applied N: 20 Fall, 60 Spring, 60 Planter
 Applied N-P-K (units): 140-25-11
 SEEDED - RATE - ROW: May 3 34,000 /A 30" spacing
 HARVESTED - STAND: Oct 25 32,000 /A

Early-Season Test

85 - 90 Day CRM
 B2017NDSE03a

Top 30 of 36

For Gross Income (Sorted by Yield)
 Average of (3) Replications

Company/Brand	Product/Brand†	Technol.†	RM	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
REA	2B861	VT2P,B	86	180.7	17.6	0	31.6	474	2
Hefty	H3902VT2PRIB	VT2P,B	89	179.6	16.4	0	32.5	477	1
Mustang	2290VT2PRIB	VT2P,B	90	178.7	17.6	0	33.0	469	3
Dairyland	DS-9686	3000GT	86	176.5	18.0	3	31.6	462	5
Mustang	3287VT2PRIB	VT2P,B	87	176.2	17.2	6	32.5	464	4
Latham	LH4097VT2ProRIB	VT2P,B	90	172.9	17.1	0	32.1	456	6
Latham	LH3877VT2ProRIB	VT2P,B	88	171.9	17.2	0	32.1	453	7
Dairyland	DS-9090SSX	STX	90	170.9	18.7	0	31.6	444	8
Golden Harvest	G89A09-3010	3010	89	165.6	16.4	0	31.1	440	9
Proseed	PX787VT2PRIB	VT2P,B	87	165.2	17.2	6	32.1	435	11
Renk	RK408RR	RR2	90	164.6	18.1	0	33.0	430	16
Prairie Brand	3578RA	3220,B	85	163.7	16.5	0	31.6	434	12
NK Brand	NK8519-3110	3110	85	163.4	16.7	3	32.1	433	13
Proseed	PX790VT2PRIB	VT2P,B	90	163.2	19.4	1	32.5	421	22
REA	3B902	VT2P,B	90	163.0	16.4	0	33.0	433	14
Proseed	GX87-3000GT	3000GT	87	163.0	17.3	1	31.6	429	18
Taylor	EXP 87 GC	VT2P	87	162.9	16.9	1	32.1	430	17
Prairie Brand	3218VX	HXT,RR2	82	162.6	15.3	0	31.1	436	10
NuTech/G2 Gen	X5FN-8504^	OI	85	162.3	16.3	0	31.6	431	15
Latham	LH3695VT2Pro	VT2P	86	161.2	17.3	16	31.6	424	20
Hefty	H4012VT2P	VT2P	90	160.9	19.6	0	33.0	414	28
Hefty	H3502VT2PRIB	VT2P,B	85	159.8	16.0	0	32.5	426	19
Mustang	2289VT2PRIB	VT2P,B	89	159.5	16.4	0	31.1	423	21
Legacy Seeds	L-3017VT2PRO	VT2P	90	159.3	18.6	0	32.1	414	29
Dyna-Gro	D27VC47	VT2P	87	159.1	18.3	0	32.1	415	26
NK Brand	NK8618-3011A	3011,A	86	158.5	17.2	0	31.6	418	23
Hefty	H3712VT2PRIB	VT2P,B	87	158.5	17.6	6	33.0	416	25
Taylor	T8189 GC	VT2P	89	156.8	17.0	1	32.1	414	30
Prairie Brand	3597SXRA GC	STX,B	86	156.6	15.8	0	31.1	418	24
Thunder	6789VT2PRIB	VT2P,B	89	155.8	17.1	0	30.7	411	31
Channel	189-03VT2PRIB CK	VT2P,B	89	155.6	16.0	3	31.6	415	27
Averages =				162.4	17.2	1	32.0	428	
LSD (0.10) =				10.8	1.0	4			
LSD (0.25) =				5.7	0.5	2			
C.V. =				6.3					
Luke Brendemuhl luke.brendemuhl@firstseedtests.com, (218) 790-4497									Prev. years average yield, 215.5 bu/a, 1 yr

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$2.69; non-GMO = \$2.69

Test Comments: *The growing season was very dry at this site. Estimated rainfall was only 9.29 inches from planting through harvest, an estimated 43% below average for this area. The limited rainfall must have fallen right when needed most, because yield was much better than expected, even though the site was very dry. Some hybrids displayed minor root lodging. There was minimal to no tip-back on the ears.*

† 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: 20 Fall, 60 Spring, 60 Planter
 Applied N-P-K (units): 140-25-11
 SEEDING - RATE - ROW: May 3 34,000 /A 30" spacing
 HARVESTED - STAND: Oct 25 32,100 /A

Full-Season Test

91 - 94 Day CRM
 B2017NDSE03b

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	197.0	20.3	0	32.1	504	1
Dahlman	R47-24VT2PRIB GC	VT2P,B	94	190.3	20.4	1	33.1	486	2
Dyna-Gro	D34VC54	VT2P	94	187.4	20.0	0	31.4	481	3
Thunder	6791VT2PRIB	VT2P,B	91	184.0	18.9	0	32.4	477	4
Golden Harvest	G94U87-3110A	3110,A	94	183.4	19.2	0	32.4	474	5
Mustang	3292VT2PRIB	VT2P,B	92	182.7	20.0	0	31.7	469	8
Legacy Seeds	L-3416VT2PRORIB	VT2P,B	94	181.2	18.9	0	32.4	470	7
Mustang	4291VT2PRIB	VT2P,B	91	181.1	18.5	1	32.8	471	6
Thunder	6794VT2PRIB	VT2P,B	94	180.6	18.8	0	32.1	469	9
Mustang	3294VT2PRIB	VT2P,B	94	179.9	20.1	1	31.7	461	11
Hefty	H4102VT2PRIB	VT2P,B	91	178.4	20.1	0	33.1	457	13
Proseed	PX694VT2PRIB	VT2P,B	94	178.3	20.2	0	33.1	456	14
Renk	RK433RR	RR2	92	177.4	18.4	2	32.1	462	10
Proseed	1591VT2PRIB	VT2P,B	91	177.1	18.5	0	31.7	461	12
Taylor	EXP 94 GC	VT2P	94	175.0	19.5	0	32.8	451	15
Legacy Seeds	L-3115VT2PRORIB	VT2P,B	92	172.7	18.6	0	31.4	449	16
Thunder	7993VT2PRIB	VT2P,B	93	172.5	19.4	0	32.4	445	18
Prairie Brand	4487AS3110 GC	3110	94	170.9	18.3	0	32.8	446	17
Renk	RK522SSTX	STX,B	94	170.8	18.9	0	32.1	443	19
Taylor	T8291RIB GC	VT2P,B	91	170.5	19.0	0	32.4	442	20
Latham	LH4147VT2ProRIB	VT2P,B	91	170.1	19.0	0	31.7	441	22
Dairyland	DS-7294	3110	94	169.7	18.4	0	31.7	442	21
REA	3A922-RIB	STX,B	92	167.2	17.9	0	32.8	438	23
Prairie Brand	4396GT GC	GT	94	167.0	19.6	5	31.7	430	26
NuTech/G2 Gen	5F-091^	AM,B	91	166.9	17.8	0	32.4	437	24
Latham	LH4242VT2ProRIB	VT2P,B	92	165.0	19.4	0	31.7	426	27
Latham	LH4454VT2ProRIB	VT2P,B	94	164.7	20.4	0	32.1	421	31
REA	4B931-RIB	VT2P,B	93	164.4	19.2	0	31.7	425	29
Legacy Seeds	LX-3047VT2PRO	VT2P	91	163.4	18.3	0	31.7	426	28
REA	3B910	VT2P,B	91	161.2	17.3	0	31.0	424	30
Channel	189-03VT2PRIB CK	VT2P,B	89	164.8	16.7	3	31.7	436	25

Averages = **172.5** **19.0** **0** **32.1** **447**

LSD (0.10) = 8.7 1.0 2

LSD (0.25) = 4.6 0.5 1

C.V. = 5.6 Prev. years average yield, 215.5 bu/a, 1 yr

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$2.69; non-GMO = \$2.69

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Report Date: 10/27/2017 Revised:

2017 Corn Grain - North Dakota Southeast [NDSE]



Early-Season Test Products (36 Total)

Company/Brand	Product/Brand	Technol.	Seed Trt.	RM	Company/Brand	Product/Brand	Technol.	Seed Trt.	RM
Channel	189-03VT2PRIB CK	VT2P,B	AC,P2	89					
Dairyland	DS-9090SSX	STX	CM,C5,Vi,In	90					
Dairyland	DS-9686	3000GT	AVC,C2,Vi	86					
Dyna-Gro	D27VC47	VT2P	AC,P5V	87					
Golden Harvest	G89A09-3010	3010	AVC,C2,Vi	89					
Hefty	H3502VT2PRIB	VT2P,B	AC,P2,In	85					
Hefty	H3712VT2PRIB	VT2P,B	AC,P2,In	87					
Hefty	H3902VT2PRIB	VT2P,B	AC,P2,In	89					
Hefty	H4012VT2P	VT2P	AC,P2,In	90					
Latham	LH3695VT2Pro	VT2P	AC,P5V	86					
Latham	LH3877VT2ProRIB	VT2P,B	AC,P2	88					
Latham	LH3937VT2Pro	VT2P	AC,P5V	89					
Latham	LH4097VT2ProRIB	VT2P,B	AC,P2	90					
Legacy Seeds	L-3017VT2PRO	VT2P	AC,P2	90					
Mustang	2289VT2PRIB	VT2P,B	AC,P2	89					
Mustang	2290VT2PRIB	VT2P,B	AC,P2	90					
Mustang	3287VT2PRIB	VT2P,B	AC,P2	87					
NK Brand	NK8519-3110	3110	AVC,C2,Vi	85					
NK Brand	NK8618-3011A	3011,A	AVC,C2,Vi	86					
NuTech/G2 Gen	X5FN-8504^	OI	MQ,P1V,R	85					
Prairie Brand	3218VX	HXT,RR2	CM,C5,Vi,In	82					
Prairie Brand	3578RA	3220,B	AVC,C5,Vi	85					
Prairie Brand	3597SXRA GC	STX,B	CM,C5,Vi,In	86					
Proseed	1689VT2PRIB	VT2P,B	AC,P2	89					
Proseed	GX87-3000GT	3000GT	CM,C2	87					
Proseed	PX787VT2PRIB	VT2P,B	AC,P2	87					
Proseed	PX790VT2PRIB	VT2P,B	AC,P2	90					
REA	2B861	VT2P,B	AC,P5V	86					
REA	3B902	VT2P,B	AC,P5V	90					
Renk	RK408RR	RR2	AC,P2	90					
Taylor	EXP 87 GC	VT2P	AC,P5V	87					
Taylor	T8189 GC	VT2P	AC,P2	89					
Thunder	4585RR	RR2	AC,P2	85					
Thunder	6785VT2PRIB	VT2P,B	AC,P2	85					
Thunder	6789VT2PRIB	VT2P,B	AC,P2	89					
Thunder	6888VT2PRIB	VT2P	AC,P2	88					

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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
Channel	189-03VT2PRIB CK	VT2P,B	AC,P2	89					
Dahlman	R47-24VT2PRIB GC	VT2P,B	AC,P2	94					
Dairyland	DS-6091	RR2	CM,C2	91					
Dairyland	DS-7294	3110	CM,C5,Vi,In	94					
Dyna-Gro	D33QZ23	3110,A	AVC,C2,Vi	93					
Dyna-Gro	D34VC54	VT2P	AC,P5V	94					
Golden Harvest	G90Y04-3110A	3110,A	AVC,C2,Vi	92					
Golden Harvest	G94U87-3110A	3110,A	AVC,C2,Vi	94					
Hefty	H4102VT2PRIB	VT2P,B	AC,P2,In	91					
Latham	LH4147VT2ProRIB	VT2P,B	AC,P2	91					
Latham	LH4242VT2ProRIB	VT2P,B	AC,P2	92					
Latham	LH4437VT2ProRIB	VT2P,B	AC,P2	94					
Latham	LH4454VT2ProRIB	VT2P,B	AC,P2	94					
Legacy Seeds	L-3115VT2PRORIB	VT2P,B	AC,P2	92					
Legacy Seeds	L-3416VT2PRORIB	VT2P,B	AC,P2	94					
Legacy Seeds	LX-3047VT2PRO	VT2P	AC,P2	91					
Mustang	3292VT2PRIB	VT2P,B	AC,P2	92					
Mustang	3294VT2PRIB	VT2P,B	AC,P2	94					
Mustang	4291VT2PRIB	VT2P,B	AC,P2	91					
NuTech/G2 Gen	5F-091^	AM,B	MQ,P5V,R	91					
Prairie Brand	4396GT GC	GT	CM,C5,Vi,In	94					
Prairie Brand	4487AS3110 GC	3110	CM,C5,Vi,In	94					
Proseed	1591VT2PRIB	VT2P,B	AC,P2	91					
Proseed	PX694VT2PRIB	VT2P,B	AC,P2	94					
REA	3A922-RIB	STX,B	AC,P5V	92					
REA	3B910	VT2P,B	AC,P5V	91					
REA	4B931-RIB	VT2P,B	AC,P5V	93					
Renk	RK433RR	RR2	AC,P2	92					
Renk	RK522SSTX	STX,B	AC,P5V	94					
Renk	RK566SSTX	STX,B	AC,P5V	94					
Taylor	EXP 94 GC	VT2P	AC,P5V	94					
Taylor	T8291RIB GC	VT2P,B	AC,P2	91					
Thunder	6791VT2PRIB	VT2P,B	AC,P2	91					
Thunder	6794VT2PRIB	VT2P,B	AC,P2	94					
Thunder	7793SSRIB	STX,B	AC,P2	93					
Thunder	7993VT2PRIB	VT2P,B	AC,P2	93					

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	Accelaron [®] 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.