

# 2017 Corn Grain Top 30 Harvest Report

North Dakota Southeast [ NDSE ] LITCHVILLE  
Mark Formo, Barnes County, ND 58461



PREV. CROP/HERB: Soybean / Roundup  
SOIL DESCRIPTION: Barnes-Svea loam, well drained, non-irrigated  
SOIL CONDITION: Conventional w/ fall till, low P, high K, 5.8 pH, 2.9% OM, 20.2 CEC  
PEST MANAGEMENT: SureStart, glyphosate  
FERTILITY - Applied N: 30 Fall, 85 Planter  
Applied N-P-K (units): 115-50-10  
SEEDING - RATE - ROW: May 2 34,000 /A 30" spacing  
HARVESTED - STAND: Nov 11 32,200 /A

**Early-Season Test**  
**85 - 90 Day CRM**  
B2017NDSE01a

**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
Legacy Seeds	L-3017VT2PRO	VT2P	90	158.0	21.2	2	32.4	401	1
Thunder	6789VT2PRIB	VT2P,B	89	151.1	19.6	0	32.4	389	2
Latham	LH3937VT2Pro	VT2P	89	150.7	20.8	0	31.0	384	4
Mustang	2290VT2PRIB	VT2P,B	90	150.4	19.5	0	33.5	388	3
Hefty	H4012VT2P	VT2P	90	149.4	20.7	0	31.4	381	5
Dairyland	DS-9090SSX	STX	90	148.9	20.4	0	31.4	380	6
Proseed	GX87-3000GT	3000GT	87	143.5	18.8	0	32.8	372	8
Prairie Brand	3578RA	3220,B	85	142.9	18.1	0	32.4	373	7
Proseed	PX790VT2PRIB	VT2P,B	90	141.9	20.6	0	32.4	362	14
Hefty	H3712VT2PRIB	VT2P,B	87	141.8	19.0	2	32.1	367	10
<b>REA</b>	<b>3B902</b>	<b>VT2P,B</b>	<b>90</b>	<b>141.7</b>	<b>18.4</b>	<b>0</b>	<b>32.1</b>	<b>369</b>	<b>9</b>
Dyna-Gro	D27VC47	VT2P	87	141.6	19.1	0	31.7	366	11
Latham	LH4097VT2ProRIB	VT2P,B	90	139.9	19.3	4	32.1	361	15
Hefty	H3902VT2PRIB	VT2P,B	89	139.5	18.2	0	32.1	364	13
Thunder	6888VT2PRIB	VT2P	88	137.9	19.0	2	32.1	357	17
NK Brand	NK8618-3011A	3011,A	86	137.5	18.5	0	32.1	358	16
Latham	LH3695VT2Pro	VT2P	86	136.3	18.2	4	32.8	356	18
<b>REA</b>	<b>2B861</b>	<b>VT2P,B</b>	<b>86</b>	<b>135.5</b>	<b>17.5</b>	<b>1</b>	<b>32.8</b>	<b>356</b>	<b>19</b>
Taylor	T8189 GC	VT2P	89	135.3	17.6	0	31.0	355	20
Dairyland	DS-9686	3000GT	86	133.4	18.6	1	32.1	347	22
NuTech/G2 Gen	X5FN-8504^	OI	85	133.1	16.8	0	32.1	352	21
Mustang	3287VT2PRIB	VT2P,B	87	133.1	18.3	5	31.7	347	23
Prairie Brand	3218VX	HXT,RR2	82	131.7	17.3	0	31.7	347	24
Renk	RK408RR	RR2	90	131.7	18.7	10	31.4	342	25
Latham	LH3877VT2ProRIB	VT2P,B	88	130.2	17.8	0	32.4	341	26
Proseed	PX787VT2PRIB	VT2P,B	87	130.2	18.4	8	31.7	339	27
Mustang	2289VT2PRIB	VT2P,B	89	129.0	18.7	0	31.7	335	28
Golden Harvest	G89A09-3010	3010	89	128.7	19.2	15	32.8	333	30
Proseed	1689VT2PRIB	VT2P,B	89	128.0	17.9	0	32.1	335	29
Thunder	4585RR	RR2	85	128.0	18.5	1	33.1	333	31
Channel	189-03VT2PRIB CK	VT2P,B	89	141.3	19.5	0	32.4	364	12

Averages = **135.9** **18.7** **2** **32.2** **353**

LSD (0.10) = ns 0.6 ns

Luke Brendemuhl LSD (0.25) = 8.9 0.3 ns

luke.brendemuhl@firstseedtests.com, (218) 790-4497 C.V. = 13.6 Prev. years average yield, 200.3 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 test site was exceptionally dry this year. Corn ear zippering was noticed on some hybrids. Most ears had varying degrees of tip die-back. Both symptoms of stress. Mark, our host farmer, said that the field low spots out-yielded the high spots due to the dry conditions. Strong winds days before harvest caused stalk lodging that impacted harvestability and caused variable yield of some 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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Report Date: 11/13/2017 Revised:

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SOIL CONDITION: Conventional w/ fall till, low P, high K, 5.8 pH, 2.9% OM, 20.2 CEC  
PEST MANAGEMENT: SureStart, glyphosate  
FERTILITY - Applied N: 30 Fall, 85 Planter  
Applied N-P-K (units): 115-50-10  
SEDED - RATE - ROW: May 2 34,000 /A 30" spacing  
HARVESTED - STAND: Nov 11 32,100 /A

**Full-Season Test**  
**91 - 94 Day CRM**  
B2017NDSE01b

**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
Mustang	3294VT2PRIB	VT2P,B	94	<b>163.1</b>	22.5	0	32.1	408	1
Taylor	EXP 94 GC	VT2P	94	<b>157.3</b>	22.3	0	31.7	394	2
<b>REA</b>	<b>4B931-RIB</b>	<b>VT2P,B</b>	<b>93</b>	<b>154.0</b>	<b>20.9</b>	<b>0</b>	<b>31.7</b>	<b>392</b>	<b>3</b>
Legacy Seeds	L-3416VT2PRORIB	VT2P,B	94	<b>153.4</b>	21.8	0	31.7	387	4
Dyna-Gro	D34VC54	VT2P	94	<b>150.4</b>	22.6	1	33.1	376	6
Latham	LH4437VT2ProRIB	VT2P,B	94	<b>149.7</b>	22.4	0	31.7	375	7
Renk	RK522SSTX	STX,B	94	<b>148.0</b>	20.3	0	31.0	379	5
Thunder	6794VT2PRIB	VT2P,B	94	<b>146.7</b>	22.3	0	32.8	368	8
Proseed	PX694VT2PRIB	VT2P,B	94	<b>146.3</b>	22.4	0	31.7	366	10
Latham	LH4242VT2ProRIB	VT2P,B	92	<b>145.7</b>	21.7	0	32.4	368	9
Renk	RK566SSTX	STX,B	94	142.2	21.9	0	32.8	358	11
Latham	LH4454VT2ProRIB	VT2P,B	94	141.1	21.4	0	32.4	357	12
Golden Harvest	G90Y04-3110A	3110,A	92	137.5	20.5	0	31.7	351	14
Hefty	H4102VT2PRIB	VT2P,B	91	136.8	19.6	2	32.4	352	13
Dahlman	R47-24VT2PRIB GC	VT2P,B	94	136.4	21.9	0	32.1	343	22
Thunder	6791VT2PRIB	VT2P,B	91	136.3	20.5	1	31.7	348	16
Mustang	3292VT2PRIB	VT2P,B	92	136.1	20.4	3	32.4	348	17
Legacy Seeds	LX-3047VT2PRO	VT2P	91	135.8	19.7	0	31.7	349	15
Dyna-Gro	D33QZ23	3110,A	93	135.7	21.0	0	32.8	345	21
Renk	RK433RR	RR2	92	135.5	20.6	4	32.8	346	19
<b>REA</b>	<b>3A922-RIB</b>	<b>STX,B</b>	<b>92</b>	<b>135.1</b>	<b>20.3</b>	<b>0</b>	<b>31.7</b>	<b>346</b>	<b>20</b>
Thunder	7993VT2PRIB	VT2P,B	93	134.9	21.8	1	32.1	340	23
Latham	LH4147VT2ProRIB	VT2P,B	91	134.7	19.7	1	32.8	347	18
Mustang	4291VT2PRIB	VT2P,B	91	132.0	19.7	0	31.0	340	24
Prairie Brand	4396GT GC	GT	94	131.8	21.5	0	31.7	333	26
<b>REA</b>	<b>3B910</b>	<b>VT2P,B</b>	<b>91</b>	<b>129.9</b>	<b>19.2</b>	<b>0</b>	<b>32.4</b>	<b>336</b>	<b>25</b>
Taylor	T8291RIB GC	VT2P,B	91	129.6	20.7	1	32.1	330	27
Dairyland	DS-7294	3110	94	129.0	20.7	1	32.1	329	28
Thunder	7793SSRIB	STX,B	93	128.4	20.1	0	31.4	329	29
Legacy Seeds	L-3115VT2PRORIB	VT2P,B	92	120.5	19.4	0	32.8	311	30
Channel	189-03VT2PRIB CK	VT2P,B	89	118.7	19.1	0	32.4	307	31
Averages =				<b>134.0</b>	<b>20.8</b>	<b>4</b>	<b>32.1</b>	<b>341</b>	
LSD (0.10) =				9.5	0.7	8			
LSD (0.25) =				5.0	0.4	4			
C.V. =				7.8					
Luke Brendemuhl luke.brendemuhl@firstseedtests.com, (218) 790-4497									Prev. years average yield, 200.3 bu/a, 1 yr

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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 <sup>®</sup> brand seed is distributed by NuTech Seed, LLC. Catalyst™ and Power Plus <sup>®</sup> brand seed is distributed by Burrus. HPT <sup>®</sup> brand seed is distributed by Hoegemeyer Hybrids, Innotech™ brand seed is distributed by Rob-See-Co, LLC. RPM <sup>®</sup> brand seed is distributed by Doebler's PA Hybrids, Inc. Supreme EX <sup>®</sup> brand seed is distributed by Seed Consultants, Inc. VPMaxx <sup>®</sup> brand seed is distributed by AgVenture, Inc. XL <sup>®</sup> and Phoenix <sup>®</sup> brand seed is distributed by Beck's Superior Hybrids. Curry <sup>®</sup> , G2 <sup>®</sup> , HPT <sup>®</sup> , Power Plus <sup>®</sup> , RPM <sup>®</sup> , Supreme EX <sup>®</sup> , VPMaxx <sup>®</sup> and XL <sup>®</sup> are registered trademarks of DuPont Pioneer. Catalyst™, Innotech™ and Phoenix <sup>®</sup> 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 <sup>®</sup> 3000GT (CB,RW,LL,GT)	GT	Agrisure <sup>®</sup> GT
3010	Agrisure <sup>®</sup> 3010 (CB,LL,GT)	HX	Herculex <sup>®</sup> 1, contains LL
3011,A	Agrisure <sup>®</sup> Artesian <sup>®</sup> (CB,RW,LL,GT)	HXRW	Herculex <sup>®</sup> Rootworm, contains LL
3110	Agrisure <sup>®</sup> Viptera <sup>®</sup> 3110 (Vip, CB,LL,GT)	HXT	Herculex <sup>®</sup> Xtra (HX,HXRW,LL)
3111	Agrisure <sup>®</sup> Viptera <sup>®</sup> 3111 (Vip,CB,RW,LL,GT)	LL	LibertyLink <sup>®</sup>
3120	Agrisure <sup>®</sup> 3120 (CB,HX,LL,GT)	None	conventional corn
3122	Agrisure <sup>®</sup> 3122 (CB,HXX,RW,LL,GT)	OI	Optimum <sup>®</sup> Intrasect <sup>®</sup> , YHR (YGCB,HX,LL,RR2)
3220	Agrisure <sup>®</sup> Viptera <sup>®</sup> 3220 (Vip,CB,HX,LL,GT)	OIX	Optimum <sup>®</sup> Intrasect <sup>®</sup> Xtra, YXR (YGCB,HXT,LL,RR2)
A	Agrisure <sup>®</sup> Artesian <sup>®</sup>	OIXT	Optimum <sup>®</sup> Intrasect <sup>®</sup> Xtreme (YGCB,HXT,RW,LL,RR2)
AM	Optimum <sup>®</sup> AcreMax <sup>®</sup> (YGCB,HX,LL,RR2)	PC	PowerCore™ (HX, VT2P)
AMT	Optimum <sup>®</sup> AcreMax <sup>®</sup> TRIsect (HX,RW,LL,RR2)	RR2	Roundup Ready <sup>®</sup> 2 Corn
AMX	Optimum <sup>®</sup> AcreMax <sup>®</sup> Xtra (YGCB,HXT,LL,RR2)	RW	Agrisure <sup>®</sup> Rootworm
AMXT	Optimum <sup>®</sup> AcreMax <sup>®</sup> Xtreme (YGCB,HXT,RW,LL,RR2)	STX	SmartStax <sup>®</sup> (VT3P,HXT,RR2,LL)
AQ	Optimum <sup>®</sup> AQUAMax <sup>®</sup>	VT2P	Genuity <sup>®</sup> VT Double PRO <sup>®</sup>
B	Refuge Blend	VT3P	Genuity <sup>®</sup> VT Triple PRO <sup>®</sup>
CB	Agrisure <sup>®</sup> Corn Borer	YGCB	YieldGard <sup>®</sup> Corn Borer
DG	Genuity <sup>®</sup> DroughtGard <sup>®</sup>		

\* The refuge component genetics may vary in a refuge blend seed product.

### Corn Seed Treatments\*\*

?	information unavailable	In	Intego™ Solo
A	Allegiance <sup>®</sup>	L	Lorsban <sup>®</sup>
AC	Acceleron <sup>®</sup> fungicide products	Lu	Lumivia™
AL2500	Alert 2500™	M	Maxim XL <sup>®</sup>
At	Actellic <sup>®</sup>	MQ	Maxim Quattro <sup>®</sup>
AVC	Avicta <sup>®</sup> Complete Corn	None	untreated
C2, C5, C1	Cruiser <sup>®</sup> at 0.25, 0.5 and 1.25 mg ai/seed, respectively	P2, P5, P1	Poncho <sup>®</sup> at 0.25, 0.5 and 1.25 mg ai/seed, respectively
CE	Cruiser Extreme <sup>®</sup>	R	Raxil <sup>®</sup>
CM	CruiserMaxx <sup>®</sup> Corn	SC	SHIELDCoat™
D	Dynasty <sup>®</sup>	V	Votivo <sup>®</sup>
Es	Escalate <sup>®</sup>	Vi	Vibrance <sup>®</sup>

\*\* Seed treatments may include unspecified plant health promoting components.