

**2017 Corn Grain Top 30 Harvest Report**  
 South Dakota Northeast [ SDNE ] WATERTOWN  
 Myron Keltgen, Codington County, SD 57201



PREV. CROP/HERB: Soybean / Roundup  
 SOIL DESCRIPTION: Poinsett-Buse-Waubay silty clay loam, mod. well drained, non-irrigated  
 SOIL CONDITION: No-till, low P, medium K, 7.4 pH, 5.2% OM, 24.7 CEC  
 PEST MANAGEMENT: Force, TripleFlex II, atrazine, Bellum  
 FERTILITY - Applied N: 160 Spring  
 Applied N-P-K (units): 160-56-40  
 SEEDING - RATE - ROW: May 5 31,500 /A 30" spacing  
 HARVESTED - STAND: Nov 10 29,900 /A

**Early-Season Test**  
**91 - 95 Day CRM**  
 B2017SDNE09a

**Top 30 of 45**

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
Heine	632VT2PRORIB	VT2P,B	96	<b>235.4</b>	18.8	4	31.0	684	1
Mustang	3294VT2PRIB	VT2P,B	94	<b>233.2</b>	18.6	3	31.0	679	2
Latham	LH4437VT2ProRIB	VT2P,B	94	<b>233.0</b>	18.7	4	31.0	677	3
Legacy Seeds	L-3115VT2PRORIB	VT2P,B	92	231.0	17.9	2	32.4	676	4
Heine	6200VT2PRO	VT2P	95	228.8	18.6	3	30.5	666	6
<b>REA</b>	<b>4B931-RIB</b>	<b>VT2P,B</b>	<b>93</b>	<b>228.0</b>	<b>18.0</b>	<b>3</b>	<b>31.5</b>	<b>667</b>	<b>5</b>
Latham	LH4242VT2ProRIB	VT2P,B	92	225.6	18.6	1	31.9	656	8
NuTech/G2 Gen	X5FN-9502^	OI	95	225.0	18.7	6	31.5	654	9
Legacy Seeds	LX-3047VT2PRO	VT2P	91	224.6	18.0	5	28.6	657	7
Heine	627VT3PRORIB	VT3P,B	95	223.7	18.3	1	31.5	653	10
Federal	4580VT2P	VT2P	95	222.8	19.1	2	30.5	646	12
Heine	615VT2PRO	VT2P	95	222.3	18.7	1	28.6	646	13
Legacy Seeds	L-3017VT2PRO	VT2P	90	221.8	18.1	3	31.5	648	11
Latham	LH4454VT2ProRIB	VT2P,B	94	221.6	18.7	2	29.5	644	14
Federal	4470VT2P	VT2P	94	221.2	19.2	2	28.6	640	17
Thunder	6791VT2PRIB	VT2P,B	91	219.1	17.9	1	29.5	641	16
<b>REA</b>	<b>3B910</b>	<b>VT2P,B</b>	<b>91</b>	<b>219.0</b>	<b>17.6</b>	<b>2</b>	<b>30.0</b>	<b>643</b>	<b>15</b>
Thunder	7993VT2PRIB	VT2P,B	93	218.4	18.7	2	29.0	635	18
Golden Harvest	G94U87-3110A	3110,A	94	218.3	18.6	6	30.5	635	19
Legacy Seeds	L-3416VT2PRORIB	VT2P,B	94	217.0	19.0	3	29.0	629	21
NuTech	5G-293	3010	93	216.9	19.0	5	31.0	629	22
Thunder	6794VT2PRIB	VT2P,B	94	216.8	19.1	2	28.6	628	23
Federal	4185VT2P	VT2P	91	215.6	18.1	2	31.5	630	20
Renk	RK566SSTX	STX,B	94	215.5	18.8	2	30.5	626	24
Mustang	3292VT2PRIB	VT2P,B	92	214.3	18.8	3	31.9	623	26
Renk	RK522SSTX	STX,B	94	213.8	18.0	4	29.5	625	25
Golden Harvest	G90Y04-3110A	3110,A	92	212.8	18.8	9	29.0	618	29
Latham	LH4147VT2ProRIB	VT2P,B	91	212.0	18.0	2	29.0	620	27
Hefty	H4102VT2PRIB	VT2P,B	91	211.6	17.9	2	31.0	619	28
Federal	4180VT2P	VT2P	91	210.8	18.3	1	30.0	615	30
Dekalb	DKC46-36RIB CK	STX,B	96	203.3	19.4	1	29.5	588	41

Mark Tollefson  
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Averages =	<b>214.7</b>	<b>18.5</b>	<b>3</b>	<b>29.9</b>	<b>625</b>
LSD (0.10) =	16.8	0.3	3		
LSD (0.25) =	8.8	0.1	1		
C.V. =	7.4				
					Prev. years average yield, 194.2 bu/a, 6 yrs

**Yield & Income Factors:** Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$3.00; non-GMO = \$3.00

**Test Comments:** *This was one of the first SD plots we planted. As June rains became scarce, early planting helped provide a good start. A July storm caused some products to root lodge and gooseneck. Late-season stalk lodging and many broken plant tops noticed at harvest. August was wet and cool, which hurt yield and slowed plant development. Area harvest has been slowed by snow and high grain moistures.*

† 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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 SOIL CONDITION: No-till, low P, medium K, 7.4 pH, 5.2% OM, 24.7 CEC  
 PEST MANAGEMENT: Force, TripleFlex II, atrazine, Bellum  
 FERTILITY - Applied N: 160 Spring  
 Applied N-P-K (units): 160-56-40  
 SEEDING - RATE - ROW: May 5 31,500 /A 30" spacing  
 HARVESTED - STAND: Nov 10 29,500 /A

**Full-Season Test**  
**96 - 100 Day CRM**  
 B2017SDNE09b

**Top 30 of 45**

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
Mustang	4296VT2PRIB	VT2P,B	96	<b>245.4</b>	19.0	2	30.0	712	1
<b>REA</b>	<b>5A001</b>	<b>STX,B</b>	<b>100</b>	<b>243.3</b>	<b>19.4</b>	<b>7</b>	<b>30.0</b>	<b>703</b>	<b>2</b>
Hefty	H4612VT2P	VT2P	96	<b>241.7</b>	19.0	4	29.5	701	3
LG Seeds	LG5465VT2P	VT2P	97	<b>238.9</b>	19.0	2	32.4	693	4
Mustang	4297VT2PRIB	VT2P,B	97	<b>237.6</b>	19.3	2	29.5	687	6
Heine	6250VT2PRO	VT2P	96	<b>237.3</b>	19.0	2	31.5	688	5
Latham	LH4657VT2Pro	VT2P	96	233.3	18.7	5	28.6	678	7
Hefty	H4812VT2P	VT2P	98	232.4	18.8	2	28.1	675	8
Federal	4770VT2PRIB	VT2P,B	97	232.2	19.2	3	30.5	672	9
Federal	4880VT2P	VT2P	98	229.8	18.6	4	28.1	669	10
Hefty	H5003VT2PDGRIB	VT2P,DG,B	100	229.1	19.0	3	27.6	664	12
Thunder	6798VT2PRIB	VT2P,B	98	228.2	18.5	3	29.5	665	11
Dyna-Gro	D39DC43	VT2P,DG	99	227.6	19.4	4	30.0	658	14
<b>REA</b>	<b>5A982-RIB</b>	<b>STX,B</b>	<b>98</b>	<b>227.4</b>	<b>18.5</b>	<b>4</b>	<b>29.0</b>	<b>662</b>	<b>13</b>
Legacy Seeds	L-3816VT2PRODG	VT2P,B	98	226.7	19.3	5	30.0	656	17
Federal	4760VT2PRIB	VT2P,B	97	226.5	18.8	2	30.5	658	15
Hefty	H4912VT2P	VT2P	99	226.2	18.6	6	29.0	658	16
Heine	6350VT2PRO	VT2P	97	225.9	18.8	3	30.0	656	18
NuTech/G2 Gen	5F-196^	AM,B	96	225.4	18.7	3	31.0	655	19
Mustang	5700VT2PDGRIB	VT2P,DG,B	100	224.4	19.1	2	28.6	650	20
LG Seeds	LG5494VT2P	VT2P	99	222.2	18.8	2	29.5	645	21
Renk	RK612SSTX	STX,B	100	221.3	19.1	2	30.0	641	22
Legacy Seeds	L-3712VT2PRORIB	VT2P,B	96	220.1	19.1	2	28.6	638	23
Heine	712STXRIB	STX,B	100	219.7	19.5	5	29.5	634	27
Heine	637STX	STX	99	219.5	18.7	3	30.0	638	24
Mustang	5299VT2PRIB	VT2P,B	99	218.4	18.4	4	28.1	637	26
Thunder	7396VT2PRIB	VT2P,B	96	218.2	18.1	3	30.0	638	25
Thunder	4600RR	RR2	100	217.2	19.2	3	28.1	629	28
Renk	RK595SSTX	STX,B	99	216.8	19.1	3	31.0	628	29
Golden Harvest	G96V99-3120-EZR	3120,B	96	214.5	18.5	3	29.5	625	30
Dekalb	DKC46-36RIB CK	STX,B	96	214.8	19.1	4	30.0	622	32

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Averages =	<b>220.1</b>	<b>18.9</b>	<b>4</b>	<b>29.5</b>	<b>639</b>
LSD (0.10) =	16.9	0.3	ns		
LSD (0.25) =	8.8	0.2	1		
C.V. =	7.3	Prev. years average yield, 194.2 bu/a, 6 yrs			

**Yield & Income Factors:** Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$3.00; non-GMO = \$3.00

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2017 Corn Grain - South Dakota Northeast [ SDNE ]



**Early-Season Test Products (45 Total)**

Company/Brand	Product/Brand	Technol.	Seed Trt.	RM	Company/Brand	Product/Brand	Technol.	Seed Trt.	RM
Anderson	795R GC	RR2	MQ	95					
Dairyland	DS-6091	RR2	CM,C2	91					
Dairyland	DS-7294	3110	CM,C5,Vi,In	94					
Dekalb	DKC44-13RIB GC	STX,B	AC,P5V	94					
Dekalb	DKC46-36RIB CK	STX,B	AC,P5V	96					
Dyna-Gro	D34VC54	VT2P	AC,P5V	94					
Federal	4180VT2P	VT2P	AC,P5V	91					
Federal	4185VT2P	VT2P	AC,P5V	91					
Federal	4470VT2P	VT2P	AC,P5V	94					
Federal	4580VT2P	VT2P	AC,P5V	95					
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					
Hefty	H4402VT2PRIB	VT2P,B	AC,P2,In	94					
Heine	615VT2PRO	VT2P	AC,P5V	95					
Heine	6200VT2PRO	VT2P	AC,P5V	95					
Heine	627VT3PRORIB	VT3P,B	AC,P2	95					
Heine	632VT2PRORIB	VT2P,B	AC,P2	96					
King Seed	4640-3010A	3010,A	CM,C2	94					
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-3017VT2PRO	VT2P	AC,P2	90					
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					
LG Seeds	LG5420-3110A	3110,A	AC,P5V	94					
Mustang	3292VT2PRIB	VT2P,B	AC,P2	92					
Mustang	3294VT2PRIB	VT2P,B	AC,P2	94					
Mustang	4291VT2PRIB	VT2P,B	AC,P2	91					
Mustang	4895SSRIB	STX,B	AC,P2	95					
NuTech	5G-293	3010	MQ,P5V,R	93					
NuTech/G2 Gen	X5FN-9502^	OI	MQ,P1V,R	95					
REA	3A922-RIB	STX,B	AC,P5V	92					
REA	3B910	VT2P,B	AC,P5V	91					
REA	4A942-RIB	STX,B	AC,P5V	94					
REA	4B931-RIB	VT2P,B	AC,P5V	93					
Renk	RK522SSTX	STX,B	AC,P5V	94					
Renk	RK566SSTX	STX,B	AC,P5V	94					
Renk	RK568VT3P	VT3P,B	AC,P5V	95					
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					

2017 Corn Grain - South Dakota Northeast [ SDNE ]



**Full-Season Test Products (45 Total)**

Company/Brand	Product/Brand	Technol.	Seed Trt.	RM	Company/Brand	Product/Brand	Technol.	Seed Trt.	RM
Dairyland	DS-9599	3000GT	CM,C5,Vi,In	99					
Dekalb	DKC46-36RIB CK	STX,B	AC,P5V	96					
Dyna-Gro	D39DC43	VT2P,DG	AC,P5V	99					
Federal	4760VT2PRIB	VT2P,B	AC,P2	97					
Federal	4770VT2PRIB	VT2P,B	AC,P2	97					
Federal	4880VT2P	VT2P	AC,P5V	98					
Federal	5060SSTAXRIB	STX,B	AC,P5V	100					
Golden Harvest	G96V99-3120-EZR	3120,B	AVC,C2,Vi	96					
Golden Harvest	G98L17-3000GT	3000GT	AVC,C2,Vi	98					
Hefty	H4612VT2P	VT2P	AC,P2,In	96					
Hefty	H4812VT2P	VT2P	AC,P2,In	98					
Hefty	H4912VT2P	VT2P	AC,P2,In	99					
Hefty	H5003VT2PDGRIB	VT2P,DG,B	AC,P2,In	100					
Heine	6250VT2PRO	VT2P	AC,P5V	96					
Heine	6350VT2PRO	VT2P	AC,P5V	97					
Heine	637STX	STX	AC,P5V	99					
Heine	712STXRIB	STX,B	AC,P5V	100					
Latham	LH4657VT2Pro	VT2P	AC,P5V	96					
Latham	LH4919SS	STX	AC,P5V	99					
Latham	LH5025VT2ProDG	VT2P,DG	AC,P5	100					
Latham	LH5095VT2ProRIB	VT2P,B	AC,P2	100					
Legacy Seeds	L-3712VT2PRORIB	VT2P,B	AC,P2	96					
Legacy Seeds	L-3816VT2PRODG	VT2P,B	AC,P2	98					
Legacy Seeds	L-3916GENSSRIB	STX,B	AC,P5V	99					
LG Seeds	LG5465VT2P	VT2P	AC,P5V	97					
LG Seeds	LG5494VT2P	VT2P	AC,P5V	99					
Mustang	4296VT2PRIB	VT2P,B	AC,P2	96					
Mustang	4297VT2PRIB	VT2P,B	AC,P2	97					
Mustang	5299VT2PRIB	VT2P,B	AC,P2	99					
Mustang	5700VT2PDGRIB	VT2P,DG,B	AC,P2	100					
NuTech	5N-800	3011,A	MQ,P5V,R	100					
NuTech/G2 Gen	5F-196^	AM,B	MQ,P5V,R	96					
NuTech/G2 Gen	5FN-5096^	OI	MQ,P1V,R	96					
NuTech/G2 Gen	5FN-6097^	OI	MQ,P1V,R	97					
NuTech/G2 Gen	5FN-7099^	OI	MQ,P1V,R	99					
REA	4A973	STX,B	AC,P5V	97					
REA	5A001	STX,B	AC,P5V	100					
REA	5A981-RIB	STX,B	AC,P5V	98					
REA	5A982-RIB	STX,B	AC,P5V	98					
Renk	RK595SSTX	STX,B	AC,P5V	99					
Renk	RK608DGV2P	VT2P,DG,B	AC,P2	100					
Renk	RK612SSTX	STX,B	AC,P5V	100					
Thunder	4600RR	RR2	AC,P2	100					
Thunder	6798VT2PRIB	VT2P,B	AC,P2	98					
Thunder	7396VT2PRIB	VT2P,B	AC,P2	96					

## 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	Accelaron <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.