

# 2017 Corn Grain Top 30 Harvest Report

South Dakota Southeast [ SDSE ] FLANDREAU  
Stuart Benson, Moody County, SD 57028



PREV. CROP/HERB: Soybean / Roundup, Flexstar  
SOIL DESCRIPTION: Moody clay loam, mod. well drained, non-irrigated  
SOIL CONDITION: Conventional w/ fall till, high P, medium K, 5.9 pH, 3.9% OM, 21.2 CEC  
PEST MANAGEMENT: Force, Roundup, Resicore  
FERTILITY - Applied N: 140 Fall  
Applied N-P-K (units): 140-70-70  
SEEDING - RATE - ROW: May 10 32,500 /A 30" spacing  
HARVESTED - STAND: Nov 9 31,300 /A

**Early-Season Test**  
**98 - 102 Day CRM**  
B2017SDSE15a

**Top 30 of 54**  
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
Titan Pro	TP 65-00 2P	VT2P,DG	100	<b>255.6</b>	18.6	1	33.4	744	1
Heine	739VT2PRO	VT2P	102	<b>255.2</b>	18.4	1	31.0	744	2
Federal	4770VT2PRIB	VT2P,B	97	<b>248.3</b>	17.8	1	31.9	728	3
Dairyland	DS-9599	3000GT	99	<b>247.3</b>	17.5	2	31.9	726	4
Thunder	6798VT2PRIB	VT2P,B	98	<b>246.3</b>	17.4	1	32.4	724	5
REA	5A982-RIB	STX,B	98	246.1	17.8	1	31.9	721	6
Mustang	5700VT2PDGRIB	VT2P,DG,B	100	245.7	18.3	1	31.0	717	8
Prairie Brand	5148GT	GT	101	245.6	18.4	1	31.5	716	9
Titan Pro	TP 71-98 2P	VT2P	98	244.7	17.7	1	31.5	718	7
Latham	LH5245VT2Pro	VT2P	102	244.7	17.9	1	30.5	716	10
Mustang	6800SSRIB	STX,B	100	243.5	18.9	1	28.6	707	16
Titan Pro	TP 75-01 SS	STX	101	242.9	18.1	1	32.9	710	13
Hefty	H5003VT2PDGRIB	VT2P,DG,B	100	242.5	17.9	1	31.9	710	14
LG Seeds	LG5505STX	STX	102	242.2	17.5	1	33.9	711	11
REA	5A001	STX,B	100	241.6	18.9	1	30.0	701	17
Federal	4760VT2PRIB	VT2P,B	97	241.5	17.2	1	31.9	711	12
Mustang	5299VT2PRIB	VT2P,B	99	241.2	17.3	1	31.0	710	15
Heine	740VT2PRO	VT2P	102	240.0	18.3	1	31.5	700	18
Hefty	H5212VT2P	VT2P	102	239.1	18.3	1	31.5	698	19
Dyna-Gro	D39DC43	VT2P,DG	99	238.9	18.5	1	31.5	696	20
Renk	RK612SSTX	STX,B	100	238.3	18.1	1	32.9	696	21
LG Seeds	LG5465VT2P	VT2P	97	237.8	18.2	1	30.0	694	22
Golden Harvest	G01D24-3120-EZR	3120,B	101	236.7	18.6	2	31.0	689	23
Latham	LH5025VT2ProDG	VT2P,DG	100	236.4	18.5	1	32.4	689	24
Golden Harvest	G02W74-3000GT	3000GT	102	234.7	18.3	1	29.0	685	26
Renk	RK608DGV2P	VT2P,DG,B	100	234.7	18.4	1	31.5	684	27
REA	5A023-RIB	STX,B	102	233.5	18.9	1	31.9	678	29
LG Seeds	LG5494VT2P	VT2P	99	232.8	17.0	1	31.0	687	25
Hefty	H4812VT2P	VT2P	98	232.7	17.4	1	31.0	684	28
Pfister	60B1SSR	STX,B	100	231.6	18.2	1	32.4	676	30
Dekalb	DKC52-84RIB CK	STX,B	102	228.8	17.5	1	29.0	672	32

Mark Tollefson  
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Averages =	<b>233.6</b>	<b>18.1</b>	<b>1</b>	<b>31.3</b>	<b>682</b>
LSD (0.10) =	12.6	0.3	ns		
LSD (0.25) =	6.6	0.2	ns		
C.V. =	5.1	Prev. years average yield, 197.6 bu/a, 9 yrs			

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

**Test Comments:** *Good seedling emergence and May weather was favorable. In the six week period from the middle of June to the end of July not much rain fell, making yield expectations wane. Weed control was strong all season. The plot was even and healthy looking for harvest. Strong yields despite the mid-summer stress and good plot data quality.*

† 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: 11/11/2017 Revised:

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SOIL CONDITION: Conventional w/ fall till, high P, medium K, 5.9 pH, 3.9% OM, 21.2 CEC  
PEST MANAGEMENT: Force, Roundup, Resicore  
FERTILITY - Applied N: 140 Fall  
Applied N-P-K (units): 140-70-70  
SEEDING - RATE - ROW: May 10 32,500 /A 30" spacing  
HARVESTED - STAND: Nov 9 30,600 /A

**Full-Season Test**  
**103 - 107 Day CRM**  
B2017SDSE15b

**Top 30 of 54**

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	6B071-RIB	VT2P,B	107	<b>262.8</b>	20.1	1	31.0	755	1
Hefty	H5302VT2PRIB	VT2P,B	103	<b>255.4</b>	18.3	1	30.5	745	2
NuTech/G2 Gen	5F-504^	AM,B	104	<b>255.4</b>	19.3	1	31.0	739	4
Hefty	HCEXP10412	VT2P	104	<b>255.2</b>	18.9	1	31.0	741	3
Mustang	7803SSRIB	STX,B	103	<b>253.1</b>	18.4	1	31.9	738	5
Heine	752VT2PRO	VT2P	105	252.4	19.1	1	31.0	731	6
Latham	LH5742RR	RR2	107	250.9	20.5	1	29.5	718	12
Titan Pro	TP 53-03 2P	VT2P,B	103	250.7	18.9	1	29.5	728	8
Dyna-Gro	D44VC36	VT2P	104	250.0	18.3	1	30.0	729	7
Latham	LH5635VT2Pro	VT2P	106	249.9	19.2	1	30.0	723	9
REA	6B063	VT2P,B	106	249.2	20.7	1	30.5	712	16
Mustang	8207VT2PRIB	VT2P,B	107	248.1	19.0	1	31.9	719	10
Golden Harvest	G07H81-3010A	3010,A	107	247.8	21.8	2	32.4	701	23
Wyffels	W2618RIB	STX,B	104	247.1	19.0	1	31.5	717	13
Channel	203-01STXRIB GC	STX,B	103	247.0	18.5	1	31.5	719	11
Golden Harvest	G07F23-3111	3111	107	246.6	19.6	1	31.0	711	18
REA	6A034	STX,B	103	246.1	19.3	1	30.5	712	17
Wyffels	W3078RIB	STX,B	106	245.4	18.6	1	31.5	714	14
Wyffels	W4796RIB	VT2P,B	106	245.4	19.2	1	30.5	710	19
Latham	EX5725VT2Pro	VT2P	107	244.1	20.3	1	31.5	700	24
NuTech/G2 Gen	5F-503^	AM,B	103	244.0	18.0	1	30.0	714	15
Renk	RK717SSTX	STX,B	105	242.5	18.5	1	30.5	706	20
Mustang	8805SSRIB	STX,B	105	242.4	18.7	1	31.9	705	21
REA	6A042	STX,B	104	241.2	18.2	1	29.5	704	22
NuTech/G2 Gen	X5FN-0306^	OI	103	240.9	19.0	1	32.4	699	25
Dekalb	DKC54-38RIB GC	STX,B	104	239.0	19.0	1	30.0	693	28
Heine	775STXRIB	STX,B	107	239.0	19.1	1	29.5	693	29
NuTech	5VN-4707	3111	107	238.6	19.4	1	29.5	690	31
Hefty	H5504SSRIB	STX,B	105	237.9	18.3	1	31.5	694	27
Hefty	H5502VT2PRIB	VT2P,B	105	237.0	18.3	1	31.0	691	30
Dekalb	DKC52-84RIB CK	STX,B	102	238.4	18.3	1	30.5	696	26

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Averages =	<b>240.3</b>	<b>19.3</b>	<b>1</b>	<b>30.6</b>	<b>695</b>
LSD (0.10) =	12.6	0.3	1		
LSD (0.25) =	6.6	0.2	0		
C.V. =	5.0	Prev. years average yield, 197.6 bu/a, 9 yrs			

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

**Test Comments:** *Good seedling emergence and May weather was favorable. In the six week period from the middle of June to the end of July not much rain fell, making yield expectations wane. Weed control was strong all season. The plot was even and healthy looking for harvest. Strong yields despite the mid-summer stress and good plot data quality.*

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2017 Corn Grain - South Dakota Southeast [ SDSE ]



**Early-Season Test Products (54 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	Renk	RK595SSTX	STX,B	AC,P5V	99
Dairyland	DS-9701RA	STX,B	CM,C5,Vi,In	101	Renk	RK608DGVT2P	VT2P,DG,B	AC,P2	100
Dairyland	DS-9802RA	STX,B	CM,C5,Vi,In	102	Renk	RK612SSTX	STX,B	AC,P5V	100
Dekalb	DKC52-84RIB CK	STX,B	AC,P5V	102	Renk	RK629VT3P	VT3P,B	AC,P2	101
Dyna-Gro	D39DC43	VT2P,DG	AC,P5V	99	Thunder	4600RR	RR2	AC,P2	100
Federal	4760VT2PRIB	VT2P,B	AC,P2	97	Thunder	6798VT2PRIB	VT2P,B	AC,P2	98
Federal	4770VT2PRIB	VT2P,B	AC,P2	97	Titan Pro	TP 65-00 2P	VT2P,DG	AC,P2	100
Federal	4880VT2P	VT2P	AC,P5V	98	Titan Pro	TP 71-98 2P	VT2P	AC,P2	98
Federal	5060SSTAXRIB	STX,B	AC,P5V	100	Titan Pro	TP 75-01 SS	STX	AC,P5V	101
Golden Harvest	G01D24-3120-EZR	3120,B	AVC,C2,Vi	101					
Golden Harvest	G02W74-3000GT	3000GT	AVC,C2,Vi	102					
Golden Harvest	G98L17-3000GT	3000GT	AVC,C2,Vi	98					
Hefty	H4812VT2P	VT2P	AC,P2,In	98					
Hefty	H4912VT2P	VT2P	AC,P2,In	99					
Hefty	H5003VT2PDGRIB	VT2P,DG,B	AC,P2,In	100					
Hefty	H5212VT2P	VT2P	AC,P2,In	102					
Heine	637STX	STX	AC,P5V	99					
Heine	712STXRIB	STX,B	AC,P5V	100					
Heine	739VT2PRO	VT2P	AC,P5V	102					
Heine	740VT2PRO	VT2P	AC,P5V	102					
Latham	LH4919SS	STX	AC,P5V	99					
Latham	LH5025VT2ProDG	VT2P,DG	AC,P5	100					
Latham	LH5099SSRIB	STX,B	AC,P5V	100					
Latham	LH5245VT2Pro	VT2P	AC,P5V	102					
LG Seeds	LG5465VT2P	VT2P	AC,P5V	97					
LG Seeds	LG5494VT2P	VT2P	AC,P5V	99					
LG Seeds	LG5505STX	STX	AC,P5V	102					
Mustang	5299VT2PRIB	VT2P,B	AC,P2	99					
Mustang	5700VT2PDGRIB	VT2P,DG,B	AC,P2	100					
Mustang	6800SSRIB	STX,B	AC,P2	100					
Mustang	7801SSRIB	STX,B	AC,P2	101					
NuTech	5N-800	3011,A	MQ,P5V,R	100					
NuTech/G2 Gen	5F-198^	AM,B	MQ,P5V,R	98					
NuTech/G2 Gen	5F-601^	AM,AQ,B	MQ,P5V,R	101					
NuTech/G2 Gen	5F-702^	AM,B	MQ,P5V,R	102					
NuTech/G2 Gen	5FN-7099^	OI	MQ,P1V,R	99					
Pfister	1740RASS	STX,B	CM,C5,Vi,In	98					
Pfister	1785GT3	3000GT	CM,C5,Vi,In	98					
Pfister	60B1SSR	STX,B	CM,C5,Vi,In	100					
Pfister	62A1SSR	STX,B	CM,C5,Vi,In	102					
Prairie Brand	5148GT	GT	CM,C5,Vi,In	101					
REA	5A001	STX,B	AC,P5V	100					
REA	5A023-RIB	STX,B	AC,P5V	102					
REA	5A981-RIB	STX,B	AC,P5V	98					
REA	5A982-RIB	STX,B	AC,P5V	98					

2017 Corn Grain - South Dakota Southeast [ SDSE ]



**Full-Season Test Products (54 Total)**

Company/Brand	Product/Brand	Technol.	Seed Trt.	RM	Company/Brand	Product/Brand	Technol.	Seed Trt.	RM
Channel	203-01STXRIB GC	STX,B	AC,P5V	103	Renk	RK717SSTX	STX,B	AC,P5V	105
Dairyland	DS-6106	RR2	CM,C5,Vi,In	106	Renk	RK726SSTX	STX	AC,P5V	106
Dairyland	DS-9804SSX	STX	CM,C5,Vi,In	104	Renk	RK776SSTX	STX,B	AC,P5V	107
Dekalb	DKC52-84RIB CK	STX,B	AC,P5V	102	Thunder	7603SSRIB GC	STX,B	AC,P2	103
Dekalb	DKC54-38RIB GC	STX,B	AC,P5V	104	Titan Pro	TP 53-03 2P	VT2P,B	AC,P5V	103
Dyna-Gro	D44VC36	VT2P	AC,P5V	104	Titan Pro	TP 77-06 SS	STX	AC,P5V	106
Dyna-Gro	D45SS65	STX	AC,P5V	105	Wyffels	W2618RIB	STX,B	AC,P5V	104
Golden Harvest	G03C84-3120-EZR	3120,B	AVC,C2,Vi	103	Wyffels	W3078RIB	STX,B	AC,P5V	106
Golden Harvest	G07F23-3111	3111	AVC,C2,Vi	107	Wyffels	W4796RIB	VT2P,B	AC,P2	106
Golden Harvest	G07H81-3010A	3010,A	AVC,C2,Vi	107					
Hefty	H5302VT2PRIB	VT2P,B	AC,P2,In	103					
Hefty	H5502VT2PRIB	VT2P,B	AC,P2,In	105					
Hefty	H5504SSRIB	STX,B	AC,P5V,In	105					
Hefty	HCEXP10412	VT2P	AC,P2,In	104					
Heine	7410STX	STX	AC,P5V	104					
Heine	752VT2PRO	VT2P	AC,P5V	105					
Heine	754STXRIB GC	STX,B	AC,P5V	105					
Heine	775STXRIB	STX,B	AC,P5V	107					
Latham	EX5725VT2Pro	VT2P	AC,P5V	107					
Latham	LH5505VT2ProRIB	VT2P,B	AC,P2	105					
Latham	LH5635VT2Pro	VT2P	AC,P5V	106					
Latham	LH5742RR	RR2	AC,P5V	107					
LG Seeds	LG5520STXRIB	STX,B	AC,P5V	105					
LG Seeds	LG5522VT2P	VT2P	AC,P5V	103					
LG Seeds	LG5554-3111	3111	AC,P5V	108					
Mustang	7803SSRIB	STX,B	AC,P2	103					
Mustang	8207VT2PRIB	VT2P,B	AC,P2	107					
Mustang	8805SSRIB	STX,B	AC,P2	105					
NorthStar	NS103-169GENSSRIB GC	STX,B	AC,P5V	103					
NorthStar	NS104-167GENSSRIB GC	STX,B	AC,P5V	104					
NuTech	5VN-4707	3111	MQ,P1V,R	107					
NuTech/G2 Gen	5D-906^	AMX,B	MQ,P5V,R	106					
NuTech/G2 Gen	5F-503^	AM,B	MQ,P5V,R	103					
NuTech/G2 Gen	5F-504^	AM,B	MQ,P5V,R	104					
NuTech/G2 Gen	X5FN-0306^	OI	MQ,P1V,R	103					
Pfister	2545RASS	STX,B	CM,C5,Vi,In	107					
Pfister	63A3SS	STX	CM,C5,Vi,In	103					
Pfister	65B1RR	RR2	CM,C5,Vi,In	105					
Pfister	66Y3PC	PC	CM,C5,Vi,In	106					
Prairie Brand	5398SX	STX	CM,C5,Vi,In	103					
REA	6A034	STX,B	AC,P5V	103					
REA	6A042	STX,B	AC,P5V	104					
REA	6B063	VT2P,B	AC,P5V	106					
REA	6B071-RIB	VT2P,B	AC,P5V	107					
Renk	RK680SSTX	STX,B	AC,P5V	103					

## Footnotes and Abbreviation Descriptions

### Brand Footnotes

^	G2 <sup>®</sup> brand seed is distributed by NuTech Seed, LLC. Catalyst <sup>™</sup> and Power Plus <sup>®</sup> brand seed is distributed by Burrus. HPT <sup>®</sup> brand seed is distributed by Hoegemeyer Hybrids, Innotech <sup>™</sup> 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. VPM <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> , VPM <sup>®</sup> and XL <sup>®</sup> are registered trademarks of DuPont Pioneer. Catalyst <sup>™</sup> , Innotech <sup>™</sup> 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 <sup>™</sup> (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 <sup>™</sup> Solo
A	Allegiance <sup>®</sup>	L	Lorsban <sup>®</sup>
AC	Acceleron <sup>®</sup> fungicide products	Lu	Lumivia <sup>™</sup>
AL2500	Alert 2500 <sup>™</sup>	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 <sup>™</sup>
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.