

## 2016 Corn Grain Top 30 Harvest Report

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



PREV. CROP/HERB: Soybean  
SOIL DESCRIPTION: Moody-Trent silty clay loam, moderately drained, non-irrigated  
SOIL CONDITION: Conventional w/ fall till, high P, mod. high K, 6.5 pH, 4.5% OM  
PEST MANAGEMENT: Force, Roundup, Harness Xtra  
FERTILITY - Applied N: 140 Fall  
Applied N-P-K (units): 140-70-70  
SEEDING - RATE - ROW: May 19 32,500 /A 30" spacing  
HARVESTED - STAND: Oct 28 31,400 /A

**Early-Season Test**  
**98 - 102 Day CRM**  
B2016SDSE16a

**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
NuTech/G2 Gen	5K-702^	OIXT	102	<b>271.9</b>	19.2	1	30.5	787	2
Curry	XC-1500YHR	OI,AQ	100	<b>264.9</b>	17.6	1	32.4	777	3
Thunder	4600RR	RR2	100	<b>263.1</b>	18.1	1	30.0	769	5
Mustang	5700GENVT2P	VT2P	100	<b>262.5</b>	17.5	1	28.6	771	4
Heine	739VT2PRO	VT2P	102	257.6	20.3	1	31.0	739	10
NorthStar	NS100-531GENSS	STX	100	256.6	18.4	1	31.0	748	6
Latham	LH5099SS	STX	100	256.0	19.1	1	31.0	742	8
Renk	RK608DGV2P	VT2P,DG	100	255.2	17.9	1	31.0	747	7
Pfister	62A1VX	HXT,RR2	102	254.1	19.8	2	31.5	732	14
Renk	RK595SSTX	STX	99	253.9	18.4	1	33.4	740	9
Pfister	61C1VX	HXT,RR2	101	252.9	18.9	1	32.9	734	13
Dairyland	DS-9701RA	STX,B	101	252.2	18.0	1	30.0	738	11
NuTech/G2 Gen	5Z-601^	OI,AQ	101	251.9	17.9	1	31.5	737	12
Prairie Brand	5127SX	STX	101	251.7	18.8	1	30.5	731	16
NuTech	5N-800	3011,A	100	251.5	18.8	1	31.0	731	17
NorthStar	NS102-168DGV2P	VT2P,DG	102	250.9	18.8	1	30.5	729	19
Prairie Brand	4895GT3	3000GT	98	250.7	18.7	1	29.5	729	20
Pfister	1740RASS	STX,B	98	250.5	18.5	1	32.4	730	18
Integra	4902GSS	STX	99	249.2	18.6	1	33.4	725	24
Dairyland	DS-9599	3000GT	99	248.8	18.6	1	31.5	724	25
NuTech	X5V-9901	3111,A	99	248.7	18.1	1	32.9	727	21
Dyna-Gro	D42SS61	STX	102	248.5	18.9	1	30.5	721	28
Titan Pro	TP 54-98 2P	VT2P,B	98	248.4	17.1	1	32.4	732	15
Mustang	6800GENSS	STX	100	248.2	18.7	1	31.9	722	27
Heine	712VT2PRORIB	VT2P,B	100	248.1	18.0	1	31.0	726	23
Titan Pro	TP 65-00 2P	VT2P,DG	100	247.9	18.1	1	31.9	724	26
Mustang	4298GENVT2PRIB	VT2P,B	98	247.1	17.3	1	31.9	727	22
Prairie Brand	5026RA	STX,B	100	246.9	18.7	1	32.9	718	29
Mustang	6701-3011A	3011,A	101	246.9	18.7	1	32.9	718	30
Latham	LH4955VT2ProRIB	VT2P,B	99	241.8	17.1	1	31.9	713	31
Dekalb	DKC52-84RIB CK	STX,B	102	<b>270.6</b>	18.3	1	30.0	789	1

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Averages =	<b>248.8</b>	<b>18.6</b>	<b>1</b>	<b>31.4</b>	<b>724</b>
LSD (0.10) =	11.3	0.6	ns		
LSD (0.25) =	7.9	0.4	ns		
C.V. =	3.3	Prev. years average yield, 197.2 bu/a, 8 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 site really had some high yields. We had perfect conditions for planting and that led us right into a great growing season. At harvest, stalks were healthy and plants stood straight with most leaves intact. No disease or problems to note. With this kind of yield, the plot combine was working so hard we had slow down a bit. This is one of the better corn plots I've harvested in eight plus years!*

† 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: Conventional w/ fall till, high P, mod. high K, 6.5 pH, 4.5% OM  
 PEST MANAGEMENT: Force, Roundup, Harness Xtra  
 FERTILITY - Applied N: 140 Fall  
 Applied N-P-K (units): 140-70-70  
 SEEDING - RATE - ROW: May 19 32,500 /A 30" spacing  
 HARVESTED - STAND: Oct 28 30,800 /A

**Full-Season Test**  
**103 - 107 Day CRM**  
 B2016SDSE16b

**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
King Seed	7106-3111	3111	106	<b>262.6</b>	21.4	1	33.4	746	2
NuTech/G2 Gen	5F-906^	AM,B	106	259.5	22.6	1	30.0	729	9
NuTech/G2 Gen	5F-504^	AM,B	104	258.9	20.1	1	30.5	744	3
NuTech	5N-607	3000GT	107	258.8	23.1	1	31.0	724	11
Heine	790VT2PRORIB	VT2P,B	107	257.6	21.4	1	31.5	732	8
Latham	LH5715VT2ProRIB	VT2P,B	107	257.3	20.9	1	31.5	734	6
Dairyland	DS-9403	STX	103	257.2	21.0	1	32.9	733	7
NuTech/G2 Gen	X5Z-0606^	OI	106	256.2	19.9	1	30.5	737	5
NuTech/G2 Gen	5Z-503^	OI	103	255.9	18.7	1	31.0	744	4
NuTech	X5V-0707	3111	107	255.5	21.4	1	33.4	726	10
NorthStar	D91-06RL	STX,B	106	255.0	22.9	1	30.0	715	20
Titan Pro	TP 56-06 3110	3110	106	254.4	21.9	1	32.4	719	16
Pfister	2545RASS	STX,B	107	253.5	23.5	1	31.9	707	25
REA	6A050-RIB	STX,B	105	253.2	20.7	1	31.5	724	12
Prairie Brand	5646SX	STX	106	253.2	20.9	1	31.9	722	13
REA	6A033-RIB	STX,B	103	252.7	21.0	1	32.4	720	15
Pfister	X14503VX	HXT,RR2	103	252.7	21.4	1	31.9	718	17
Pfister	65B1VX	HXT,RR2	105	252.4	20.8	1	31.9	721	14
Integra	5776GSSRIB	STX,B	107	250.0	21.1	1	31.9	712	22
Latham	LH5509SSRIB	STX,B	105	250.0	22.5	1	30.5	703	28
Latham	LH5659SSRIB	STX,B	106	249.7	21.1	1	30.5	711	23
Dekalb	DKC53-68RIB	STX,B	103	249.6	21.0	1	31.0	711	24
Thunder	7603SSRIB	STX,B	103	248.9	19.7	1	31.9	717	18
Titan Pro	TP 53-03 2P	VT2P,B	103	248.6	20.3	1	31.9	713	21
NorthStar	NS104-167GENSSRIB	STX,B	104	247.8	22.1	1	30.0	699	30
Dairyland	DS-9204	STX	104	247.6	21.0	1	31.9	706	26
Renk	RK675DGV2P	VT2P,DG,B	103	246.9	18.8	1	31.9	717	19
Prairie Brand	5406SX	STX	104	245.8	21.2	1	31.9	699	31
Dekalb	DKC54-38RIB GC	STX,B	104	244.9	20.1	1	31.0	703	29
Channel	202-20STXRIB	STX,B	102	244.4	19.6	1	31.5	705	27
Dekalb	DKC52-84RIB CK	STX,B	102	<b>264.5</b>	19.0	1	31.9	767	1

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Averages =	<b>249.2</b>	<b>21.1</b>	<b>1</b>	<b>30.8</b>	<b>710</b>
LSD (0.10) =	11.5	0.6	ns		
LSD (0.25) =	8.0	0.4	ns		
C.V. =	3.4	Prev. years average yield, 197.2 bu/a, 8 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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**Early-Season Test Products (45 Total)**

Company/Brand	Product/Brand	Technol.	Seed Trt.	RM	Company/Brand	Product/Brand	Technol.	Seed Trt.	RM
Curry	XC-1500YHR	OI,AQ	MQ,P1V,R	100					
Dairyland	DS-9599	3000GT	CM,C5,Vi,In	99					
Dairyland	DS-9701RA	STX,B	CM,C2	101					
Dairyland	DS-9802	STX	CM,C5,Vi,In	102					
Dekalb	DKC52-84RIB CK	STX,B	AC,P5V	102					
Dyna-Gro	D42SS61	STX	AC,P5V	102					
Heine	637VT2PRO	VT2P	AC,P2	99					
Heine	712VT2PRORIB	VT2P,B	AC,P2	100					
Heine	739VT2PRO	VT2P	AC,P2	102					
Integra	4902GSS	STX	AC,P5V	99					
Integra	5243GSSRIB	STX,B	AC,P2	102					
Latham	LH4955VT2ProRIB	VT2P,B	AC,P2	99					
Latham	LH5099SS	STX	AC,P5V	100					
Latham	LH5109SSRIB	STX,B	AC,P5V	101					
Latham	LH5215VT2ProRIB	VT2P,B	AC,P2	102					
Mustang	4298GENVT2PRIB	VT2P,B	AC,P2	98					
Mustang	5700GENVT2P	VT2P	AC,P2	100					
Mustang	6701-3011A	3011,A	CM,C2	101					
Mustang	6800GENSS	STX	AC,P5V	100					
NorthStar	NS100-531GENSS	STX	AC,P2	100					
NorthStar	NS102-168DGV2P	VT2P,DG	AC,P2	102					
NuTech	5N-800	3011,A	MQ,P5V,R	100					
NuTech	X5V-9901	3111,A	AVC,C2,Vi	99					
NuTech/G2 Gen	5H-502^	HX,RR2	MQ,P5V	102					
NuTech/G2 Gen	5K-702^	OIXT	MQ,P1V,R	102					
NuTech/G2 Gen	5Z-601^	OI,AQ	MQ,P1V,R	101					
NuTech/G2 Gen	X5Z-9902^	OI	MQ,P1V,R	99					
Pfister	1740RASS	STX,B	CM,C5,Vi,In	98					
Pfister	60B1SSR	STX,B	CM,C5,Vi,In	100					
Pfister	61C1VX	HXT,RR2	CM,C5,Vi,In	101					
Pfister	62A1VX	HXT,RR2	CM,C5,Vi,In	102					
Prairie Brand	4895GT3	3000GT	CM,C5,Vi,In	98					
Prairie Brand	5026RA	STX,B	CM,C5,Vi,In	100					
Prairie Brand	5127SX	STX	CM,C5,Vi,In	101					
REA	5A023-RIB	STX,B	AC,P5V	102					
REA	5A982-RIB	STX,B	AC,P5V	98					
Renk	RK595SSTX	STX	AC,P5V	99					
Renk	RK608DGV2P	VT2P,DG	AC,P2	100					
Renk	RK612SSTX	STX,B	AC,P5V	100					
Renk	RK629VT3P	VT3P,B	AC,P2	101					
Thunder	4600RR	RR2	AC,P2	100					
Titan Pro	TP 54-98 2P	VT2P,B	AC,P2	98					
Titan Pro	TP 58-01 2P	VT2P,B	AC,P2	101					
Titan Pro	TP 65-00 2P	VT2P,DG	AC,P2	100					
Titan Pro	TP 68-98 SS	STX	AC,P5V	98					

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

Company/Brand	Product/Brand	Technol.	Seed Trt.	RM	Company/Brand	Product/Brand	Technol.	Seed Trt.	RM
Channel	202-20STXRIB	STX,B	AC,P5V	102					
Dairyland	DS-9106	STX	CM,C5,Vi,In	106					
Dairyland	DS-9204	STX	CM,C5,Vi,In	104					
Dairyland	DS-9403	STX	CM,C5,Vi,In	103					
Dekalb	DKC52-84RIB CK	STX,B	AC,P5V	102					
Dekalb	DKC53-68RIB	STX,B	AC,P5V	103					
Dekalb	DKC54-38RIB GC	STX,B	AC,P5V	104					
Dyna-Gro	D45SS65	STX	AC,P5V	105					
Heine	744VT3PRORIB	VT3P,B	AC,P2	104					
Heine	754STX	STX	AC,P5V	105					
Heine	790VT2PRORIB	VT2P,B	AC,P2	107					
Integra	5562GSSRIB	STX	AC,P5V	105					
Integra	5776GSSRIB	STX,B	AC,P5V	107					
King Seed	7106-3111	3111	AVC,C2,Vi	106					
Latham	EX5339SS	STX	AC,P5V	103					
Latham	LH5509SSRIB	STX,B	AC,P5V	105					
Latham	LH5659SSRIB	STX,B	AC,P5V	106					
Latham	LH5715VT2ProRIB	VT2P,B	AC,P2	107					
Mustang	8805GENSS	STX	AC,P5V	105					
NorthStar	D91-06RL	STX,B	AC,P5V	106					
NorthStar	NS104-167GENSSRIB	STX,B	AC,P5V	104					
NuTech	5N-607	3000GT	MQ,P5V,R	107					
NuTech	X5V-0707	3111	AVC,C2,Vi	107					
NuTech/G2 Gen	5F-504^	AM,B	MQ,P5V,R	104					
NuTech/G2 Gen	5F-906^	AM,B	MQ,P5V,R	106					
NuTech/G2 Gen	5Z-503^	OI	MQ,P1V,R	103					
NuTech/G2 Gen	X5Z-0606^	OI	MQ,P1V,R	106					
Pfister	2385RASS	STX,B	CM,C5,Vi,In	104					
Pfister	2545RASS	STX,B	CM,C5,Vi,In	107					
Pfister	65B1VX	HXT,RR2	CM,C5,Vi,In	105					
Pfister	X14503VX	HXT,RR2	CM,C5,Vi,In	103					
Pioneer	P0760AMXT GC	AMXT,AQ,B	MQ,C2,Lu	107					
Prairie Brand	5385RA	STX,B	CM,C5,Vi,In	103					
Prairie Brand	5406SX	STX	CM,C5,Vi,In	104					
Prairie Brand	5646SX	STX	CM,C5,Vi,In	106					
REA	6A033-RIB	STX,B	AC,P5V	103					
REA	6A050-RIB	STX,B	AC,P5V	105					
Renk	RK666SSTX	STX,B	AC,P5V	102					
Renk	RK675DGV2P	VT2P,DG,B	AC,P2	103					
Renk	RK717SSTX	STX	AC,P5V	105					
Renk	RK776SSTX	STX,B	AC,P5V	107					
Thunder	7603SSRIB	STX,B	AC,P2	103					
Thunder	Exp 105	STX	AC,P5V	105					
Titan Pro	TP 53-03 2P	VT2P,B	AC,P2	103					
Titan Pro	TP 56-06 3110	3110	CM,C2	106					

## 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)	HX	Herculex® 1, contains LL
3010	Agrisure® 3010 (CB,LL,GT)	HX,RR2	Herculex® 1, Roundup Ready 2 Corn
3110	Agrisure® Viptera® 3110 (Vip, CB,LL,GT)	HXRW	Herculex® Rootworm, contains LL
3111	Agrisure® Viptera® 3111 (Vip,CB,RW,LL,GT)	HXT	Herculex® Xtra (HX,HXRW,LL)
3122	Agrisure® 3122 (CB,HXX,RW,LL,GT)	HXT,RR2	Herculex® Xtra, Roundup Ready 2 Corn
3220	Agrisure® Viptera® 3220 (Vip,CB,HX,LL,GT)	LL	LibertyLink®
A	Agrisure® Artesian®	None	conventional corn
AM	Optimum® AcreMax® (YGCB,HX,LL,RR2)	OI	Optimum® Intrasect®, YHR (YGCB,HX,LL,RR2)
AMT	Optimum® AcreMax® TRIsect (HX,RW,LL,RR2)	OIX	Optimum® Intrasect® Xtra, YXR (YGCB,HXT,LL,RR2)
AMX	Optimum® AcreMax® Xtra (YGCB,HXT,LL,RR2)	OIXT	Optimum® Intrasect® Xtreme, CYXR (YGCB,HXT,RW,LL,RR2)
AMXT	Optimum® AcreMax® Xtreme (YGCB,HXT,RW,LL,RR2)	RR2	Roundup Ready® 2 Corn
AQ	Optimum® AQUAMax®	RW	Agrisure® Rootworm
B	Refuge Blend	STX	SmartStax® (VT3P,HXT,RR2,LL)
CB	Agrisure® Corn Borer	VT2P	Genuity® VT Double PRO®
DG	Genuity® DroughtGard®	VT3P	Genuity® VT Triple PRO®
GT	Agrisure® GT	YGCB	YieldGard® Corn Borer
GT/CB/LL	Agrisure® GT/CB/LL		

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

### Corn Seed Treatments\*\*

n/a	information not provided	In	Intego™ Solo
A	Allegiance®	L	Lorsban®
AC	Accelaron® fungicide products	Lu	Lumivia™
AChD	Accelaron® fungicide products	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	V	Votivo®
D	Dynasty®	Vi	Vibrance®
Es	Escalate®		

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