

2016 Corn Grain Top 30 Harvest Report
 South Dakota Southeast [SDSE] BERESFORD
 Jason & Kendall Frick, Clay County, SD 57004



PREV. CROP/HERB: Soybean
 SOIL DESCRIPTION: Egan-Ethan-Tetonka silty clay loam, moderately drained, non-irrigated
 SOIL CONDITION: Conventional w/ fall till, moderate P, moderate K, 6.9 pH, 3% OM
 PEST MANAGEMENT: Force, Roundup, Balance Flexx
 FERTILITY - Applied N: 166 Sidedress
 Applied N-P-K (units): 166-60-60
 SEEDING - RATE - ROW: May 22 32,500 /A 30" spacing
 HARVESTED - STAND: Oct 23 30,900 /A

Early-Season Test
98 - 102 Day CRM
 B2016SDSE14a

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	204.1	17.4	1	31.9	600	1
Latham	LH5099SS	STX	100	194.8	17.0	1	31.9	575	2
Prairie Brand	4895GT3	3000GT	98	190.5	17.0	1	30.5	562	3
Dairyland	DS-9599	3000GT	99	186.8	17.0	2	31.5	551	4
NuTech	5N-800	3011,A	100	184.8	17.4	2	30.5	543	5
Pfister	62A1VX	HXT,RR2	102	182.9	17.9	4	31.0	535	7
Titan Pro	TP 65-00 2P	VT2P,DG	100	181.7	16.2	1	31.5	540	6
NuTech/G2 Gen	5Z-601^	OI,AQ	101	180.6	16.6	2	30.5	535	8
Heine	712VT2PRORIB	VT2P,B	100	179.4	16.7	1	30.0	531	9
Prairie Brand	5026RA	STX,B	100	177.6	15.9	1	31.0	529	10
Integra	4902GSS	STX	99	176.0	16.8	1	31.0	520	13
Pfister	60B1SSR	STX,B	100	175.5	15.9	1	31.9	523	12
Latham	LH5215VT2ProRIB	VT2P,B	102	173.9	17.5	1	28.1	511	15
Renk	RK608DGV2P	VT2P,DG	100	173.5	16.2	1	31.5	515	14
NuTech/G2 Gen	5H-502^	HX,RR2	102	172.2	17.5	1	27.6	506	19
Thunder	4600RR	RR2	100	172.1	16.4	1	33.4	510	16
Integra	5243GSSRIB	STX,B	102	171.5	17.4	1	30.5	504	21
NuTech/G2 Gen	X5Z-9902^	OI	99	171.0	16.4	1	27.6	507	18
NuTech	X5V-9901	3111,A	99	170.8	16.6	1	31.9	506	20
Pfister	61C1VX	HXT,RR2	101	170.5	17.0	1	32.9	503	22
Dairyland	DS-9701RA	STX,B	101	170.4	15.7	1	31.0	508	17
Heine	739VT2PRO	VT2P	102	169.4	18.5	1	31.9	493	24
Renk	RK612SSTX	STX,B	100	169.3	16.8	1	30.5	500	23
Mustang	6701-3011A	3011,A	101	166.6	17.7	1	31.0	489	26
Dairyland	DS-9802	STX	102	165.7	16.6	1	29.5	490	25
Mustang	6800GENSS	STX	100	165.6	16.8	1	31.9	489	27
Titan Pro	TP 54-98 2P	VT2P,B	98	164.2	16.8	1	30.5	485	29
Mustang	5700GENVT2P	VT2P	100	164.1	16.3	1	31.5	487	28
Curry	XC-1500YHR	OI,AQ	100	164.0	16.7	2	31.9	485	30
Titan Pro	TP 58-01 2P	VT2P,B	101	163.9	16.7	1	30.5	485	31
Dekalb	DKC52-84RIB CK	STX,B	102	176.0	16.2	1	30.0	523	11

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Averages =	168.5	16.8	1	30.9	498
LSD (0.10) =	21.5	0.5	ns		
LSD (0.25) =	15.0	0.3	ns		
C.V. =	9.4	Prev. years average yield, 152.5 bu/a, 10 yrs			

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

Test Comments: *The warm mid-May soil conditions were very good for planting into. A heavy June rain saturated soils and reducing populations in isolated areas. Aside from rain on June 18 (0.8") and July 7 (0.6") rainfall from mid-June to early August was minimal. Some stalk lodging was observed in the front portion of the plot. The August rains seemed to highlight yield advantage for late season hybrids.*

† 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, moderate P, moderate K, 6.9 pH, 3% OM
 PEST MANAGEMENT: Force, Roundup, Balance Flexx
 FERTILITY - Applied N: 166 Sidedress
 Applied N-P-K (units): 166-60-60
 SEEDING - RATE - ROW: May 22 32,500 /A 30" spacing
 HARVESTED - STAND: Oct 23 30,400 /A

Full-Season Test
103 - 107 Day CRM
 B2016SDSE14b

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	5N-607	3000GT	107	227.5	20.5	1	29.5	651	3
NorthStar	NS104-167GENSSRIB	STX,B	104	226.7	18.7	1	29.5	659	1
King Seed	7106-3111	3111	106	223.7	18.4	1	29.5	652	2
Heine	744VT3PRORIB	VT3P,B	104	222.4	18.3	1	29.0	649	4
Titan Pro	TP 56-06 3110	3110	106	218.6	19.6	1	31.5	631	5
Heine	754STX	STX	105	216.2	20.0	1	29.0	622	7
Titan Pro	TP 53-03 2P	VT2P,B	103	214.2	18.5	1	31.0	624	6
Mustang	8805GENSS	STX	105	211.7	17.9	1	31.0	620	8
Pfister	2545RASS	STX,B	107	211.5	20.1	1	30.5	608	17
Pfister	X14503VX	HXT,RR2	103	210.9	19.0	1	32.4	612	11
Integra	5562GSSRIB	STX	105	210.3	18.9	1	29.5	610	14
NuTech/G2 Gen	5Z-503^	OI	103	210.1	17.5	1	31.5	617	9
Integra	5776GSSRIB	STX,B	107	210.1	18.7	1	31.9	611	13
NuTech/G2 Gen	X5Z-0606^	OI	106	210.1	18.8	1	31.5	610	15
NorthStar	D91-06RL	STX,B	106	210.1	19.0	1	30.0	609	16
Thunder	7603SSRIB	STX,B	103	209.5	17.4	1	29.5	616	10
Thunder	Exp 105	STX	105	208.4	17.6	1	30.5	612	12
REA	6A050-RIB	STX,B	105	207.5	18.3	1	29.5	605	18
Heine	790VT2PRORIB	VT2P,B	107	205.9	20.3	1	30.0	590	23
NuTech/G2 Gen	5F-504^	AM,B	104	205.4	18.7	2	30.5	597	19
NuTech	X5V-0707	3111	107	204.4	18.5	2	30.5	595	20
Dairyland	DS-9403	STX	103	204.1	18.6	6	30.5	594	21
Dairyland	DS-9204	STX	104	203.9	19.1	1	31.9	591	22
Renk	RK776SSTX	STX,B	107	203.6	21.5	1	30.5	578	27
Pfister	65B1VX	HXT,RR2	105	201.9	18.8	1	31.0	587	24
REA	6A033-RIB	STX,B	103	200.5	18.1	1	30.5	586	25
Channel	202-20STXRIB	STX,B	102	198.4	18.0	1	29.5	580	26
Dekalb	DKC54-38RIB GC	STX,B	104	197.6	18.4	1	28.6	576	29
Prairie Brand	5385RA	STX,B	103	197.5	18.3	2	32.9	576	30
Renk	RK717SSTX	STX	105	197.2	17.7	1	31.5	578	28
Dekalb	DKC52-84RIB CK	STX,B	102	185.2	16.7	1	31.9	548	40

Mark Tollefson

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Averages = **202.4** **18.8** **1** **30.4** **588**

LSD (0.10) = 20.2 1.5 2

LSD (0.25) = 14.1 1.0 1

C.V. = 7.3 Prev. years average yield, 152.5 bu/a, 10 yrs

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

Test Comments: *The warm mid-May soil conditions were very good for planting into. A heavy June rain saturated soils and reducing populations in isolated areas. Aside from rain on June 18 (0.8") and July 7 (0.6") rainfall from mid-June to early August was minimal. Some stalk lodging was observed in the front portion of the plot. The August rains seemed to highlight yield advantage for late season hybrids.*

† 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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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 Boreer	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.