

2016 Corn Grain Top 30 Harvest Report

South Dakota Southeast [SDSE] HOWARD
John Feller, Miner County, SD 57349



PREV. CROP/HERB: Oat
SOIL DESCRIPTION: Clarno-Bonilla loam, moderately drained, non-irrigated
SOIL CONDITION: No-till, mod. low P, mod. high K, 5.6 pH, 4.3% OM
PEST MANAGEMENT: Force, Harness, Roundup, Callisto
FERTILITY - Applied N: 200 Spring
Applied N-P-K (units): 200-50-30
SEDED - RATE - ROW: May 22 31,500 /A 30" spacing
HARVESTED - STAND: Nov 10 30,200 /A

Early-Season Test
98 - 102 Day CRM
B2016SDSE13a

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	221.0	16.6	1	31.5	654	1
NuTech/G2 Gen	5Z-601^	OI,AQ	101	214.7	16.5	1	31.5	636	2
Curry	XC-1500YHR	OI,AQ	100	207.6	16.9	1	31.5	613	3
NuTech	5N-800	3011,A	100	204.9	16.7	1	29.5	606	4
Renk	RK608DGV2P	VT2P,DG	100	203.3	16.9	1	29.5	600	5
Dyna-Gro	D42SS61	STX	102	202.0	16.5	1	29.5	598	6
Mustang	6800GENSS	STX	100	201.5	16.2	1	32.4	598	7
Mustang	5700GENVT2P	VT2P	100	200.8	17.1	1	28.6	592	9
Dairyland	DS-9599	3000GT	99	200.4	16.9	1	30.5	592	10
Renk	RK595SSTX	STX	99	199.9	15.6	1	31.5	597	8
Titan Pro	TP 58-01 2P	VT2P,B	101	195.7	16.9	1	30.0	578	12
NorthStar	NS100-531GENSS	STX	100	195.0	16.6	1	31.0	577	14
Latham	LH5099SS	STX	100	194.8	16.3	1	30.5	578	13
Pfister	62A1VX	HXT,RR2	102	193.5	17.5	1	32.9	568	16
Pfister	60B1SSR	STX,B	100	192.9	16.8	1	31.0	570	15
Prairie Brand	5026RA	STX,B	100	188.6	16.9	1	30.5	557	17
NorthStar	NS102-168DGV2P	VT2P,DG	102	188.3	16.7	1	29.5	557	18
Renk	RK629VT3P	VT3P,B	101	187.4	17.0	1	30.5	553	19
Integra	4902GSS	STX	99	185.4	16.7	1	32.4	548	21
Pfister	61C1VX	HXT,RR2	101	185.0	17.5	1	32.4	543	22
Mustang	4298GENVT2PRIB	VT2P,B	98	184.6	15.5	1	31.0	551	20
Heine	739VT2PRO	VT2P	102	182.3	18.9	1	31.0	529	29
Pfister	1740RASS	STX,B	98	182.0	16.4	1	30.0	540	23
Prairie Brand	4895GT3	3000GT	98	181.9	16.7	1	30.5	538	24
Dairyland	DS-9701RA	STX,B	101	180.7	16.4	1	29.5	536	26
Heine	637VT2PRO	VT2P	99	180.1	15.5	1	29.5	538	25
Titan Pro	TP 65-00 2P	VT2P,DG	100	179.7	17.1	1	31.5	530	28
REA	5A023-RIB	STX,B	102	179.5	16.3	1	30.5	533	27
NuTech/G2 Gen	5H-502^	HX,RR2	102	177.5	16.9	1	28.6	524	30
Mustang	6701-3011A	3011,A	101	175.1	16.9	1	30.0	517	31
Dekalb	DKC52-84RIB CK	STX,B	102	197.7	16.4	1	30.0	586	11

Mark Tollefson

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Averages = **184.4** **16.7** **1** **30.2** **545**

LSD (0.10) = 21.8 0.5 ns

LSD (0.25) = 15.2 0.3 ns

C.V. = 8.7 2.1 years average yield, 173.2 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: *The no-till oat ground had started to warm up and made for a nice seed bed for this May 22nd. Dry weather from June through mid-July cause some stress and yield loss. August rainfall was above normal. October has been wet and grain moistures have fallen slowly. A much drier November and favorable forecast has farmers looking for 17% grain moistures before they wrap up corn harvest.*

† 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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PEST MANAGEMENT: Force, Harness, Roundup, Callisto
FERTILITY - Applied N: 200 Spring
Applied N-P-K (units): 200-50-30
SEEDED - RATE - ROW: May 22 31,500 /A 30" spacing
HARVESTED - STAND: Nov 10 29,200 /A

Full-Season Test
103 - 107 Day CRM
B2016SDSE13b

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	790VT2PRORIB	VT2P,B	107	227.2	19.3	1	30.5	657	1
Dairyland	DS-9106	STX	106	213.7	17.6	1	27.1	627	3
NuTech/G2 Gen	5F-504^	AM,B	104	213.6	17.2	1	31.5	629	2
NuTech/G2 Gen	5Z-503^	OI	103	209.1	16.1	1	29.0	622	4
Dairyland	DS-9403	STX	103	207.7	16.9	1	28.6	613	6
Dairyland	DS-9204	STX	104	206.6	17.8	1	31.0	605	7
Renk	RK776SSTX	STX,B	107	204.2	19.1	1	31.0	592	12
Heine	744VT3PRORIB	VT3P,B	104	203.0	16.9	1	29.5	599	8
Pfister	65B1VX	HXT,RR2	105	202.7	17.6	1	30.5	595	9
Dekalb	DKC54-38RIB GC	STX,B	104	202.0	17.5	1	24.7	593	11
Pioneer	P0760AMXT GC	AMXT,AQ,B	107	201.7	17.3	1	29.5	594	10
NuTech	5N-607	3000GT	107	200.3	18.4	1	28.6	584	16
Renk	RK675DGV2P	VT2P,DG,B	103	199.9	16.7	1	27.6	591	13
Thunder	Exp 105	STX	105	199.9	17.1	1	30.5	589	14
Mustang	8805GENSS	STX	105	198.7	17.2	1	28.6	585	15
Titan Pro	TP 56-06 3110	3110	106	198.7	17.5	1	26.1	584	17
King Seed	7106-3111	3111	106	198.7	18.0	1	30.5	581	19
Titan Pro	TP 53-03 2P	VT2P,B	103	198.3	18.8	1	29.5	576	20
Pfister	2545RASS	STX,B	107	197.5	17.2	1	28.6	582	18
REA	6A050-RIB	STX,B	105	197.3	18.2	1	28.6	576	21
Prairie Brand	5646SX	STX	106	196.0	17.5	1	29.5	576	22
Integra	5776GSSRIB	STX,B	107	195.3	18.8	1	31.0	567	26
Renk	RK717SSTX	STX	105	195.0	17.2	1	29.0	574	23
Prairie Brand	5406SX	STX	104	194.8	17.9	1	29.0	570	24
NuTech/G2 Gen	X5Z-0606^	OI	106	193.4	17.7	1	29.5	567	27
REA	6A033-RIB	STX,B	103	193.1	18.4	1	29.0	563	30
Thunder	7603SSRIB	STX,B	103	193.0	17.1	1	29.5	569	25
Dyna-Gro	D45SS65	STX	105	192.8	17.3	1	29.0	567	28
Latham	EX5339SS	STX	103	191.9	17.6	1	31.0	563	31
Prairie Brand	5385RA	STX,B	103	191.8	16.9	1	30.0	566	29
Dekalb	DKC52-84RIB CK	STX,B	102	209.5	16.6	1	28.6	620	5

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Averages =	194.6	17.6	1	29.2	571
LSD (0.10) =	19.7	0.5	ns		
LSD (0.25) =	13.7	0.3	ns		
C.V. =	7.5	Prev. years average yield, 173.2 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.