

# 2016 Corn Grain Top 30 Harvest Report

South Dakota Northeast [ SDNE ] CAVOUR  
Greg Bich, Beadle County, SD 57324



PREV. CROP/HERB: Sunflower  
SOIL DESCRIPTION: Houdek-Prosper sandy loam, poor drained, non-irrigated  
SOIL CONDITION: Minimum w/o fall till, low P, high K, 5.8 pH, 2.3% OM  
PEST MANAGEMENT: Force, Harness Xtra, Roundup (twice)  
FERTILITY - Applied N: 160 Spring  
Applied N-P-K (units): 160-50-40  
SEEDED - RATE - ROW: May 16 30,500 /A 30" spacing  
HARVESTED - STAND: Nov 10 28,500 /A

## Early-Season Test

91 - 95 Day CRM  
B2016SDNE11a

## 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
AgVenture	RL5015AMX^	AMX,B	95	<b>174.1</b>	14.2	1	30.5	522	1
Thunder	7993VT2PRIB	VT2P,B	93	<b>172.2</b>	14.6	1	27.6	517	2
Latham	LH4242VT2ProRIB	VT2P,B	92	165.5	14.4	1	27.1	497	3
Mustang	3294GENVT2P	VT2P	94	165.2	14.2	1	29.0	496	4
NorthStar	NS95-577VT2PRIB	VT2P,B	95	164.0	14.6	1	29.0	492	5
Titan Pro	2M95-2P	VT2P,B	95	163.0	15.0	1	28.1	489	6
Proseed	PX595VT2P	VT2P	95	162.9	14.5	1	30.0	489	7
Titan Pro	TP 48-93 2P	VT2P,B	93	161.8	14.5	1	31.5	485	8
Renk	RK433VT2P	VT2P	92	161.6	14.5	1	28.6	485	9
Federal	4470VT2P	VT2P	94	161.2	14.4	2	30.5	484	10
Latham	LH4437VT2Pro	VT2P	94	160.9	14.3	2	29.5	483	11
REA	4B931-RIB	VT2P,B	93	160.0	14.5	1	26.1	480	12
Proseed	1395VT2P	VT2P	95	158.7	14.8	1	28.1	476	13
Federal	4440VT2PRIB	VT2P,B	94	157.7	14.6	1	27.6	473	14
Integra	4122VT2PRIB	VT2P,B	91	157.6	14.8	1	27.1	473	15
Integra	4342VT2PRIB	VT2P,B	93	152.1	14.6	1	28.6	456	16
NorthStar	NS92-110VT2PRIB	VT2P,B	92	151.6	14.3	1	30.0	455	17
Renk	RK522SSTX	STX,B	94	151.6	14.5	1	29.0	455	18
Wyffels	W1556 GC	VT2P	95	151.0	14.8	4	28.1	453	19
Latham	LH4454VT2ProRIB	VT2P,B	94	150.0	14.7	1	26.6	450	20
Dekalb	DKC39-28RIB	VT2P,B	89	149.4	14.2	1	28.1	448	21
Mustang	4291GENVT2PRIB	VT2P,B	91	149.1	14.6	1	30.5	447	22
Mustang	3292GENVT2P	VT2P,B	92	144.0	14.6	1	29.0	432	23
Thunder	Exp 91	VT2P	91	144.0	14.6	1	27.6	432	24
NorthStar	NS95-421GENSSRIB	STX,B	95	143.6	14.4	1	28.1	431	25
Heine	627VT3PRORIB	VT3P,B	95	143.6	14.7	1	29.0	431	26
AgVenture	RL4616HBW^	HXT,RR2	94	142.9	14.2	1	29.0	429	27
REA	3A922-RIB	STX,B	92	142.7	14.4	1	28.1	428	28
Renk	RK566SSTX	STX	94	142.4	14.5	1	28.6	427	29
Pioneer	P9526AMXT	AMXT,AQ,B	95	139.5	14.5	4	28.6	419	30
Dekalb	DKC46-36RIB CK	STX,B	96	118.7	14.5	1	27.6	356	52



*Mark Tollefson*

Mark Tollefson  
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Averages =	<b>141.9</b>	<b>14.5</b>	<b>2</b>	<b>28.5</b>	<b>426</b>
LSD (0.10) =	26.9	0.3	ns		
LSD (0.25) =	18.8	0.2	ns		
C.V. =	14.0	Prev. years average yield, 151.8 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:** Soil temps had started to climb by the time we planted on this no-till site. We had a stretch of dry weather from June 4 through Aug 12 with total rainfall accumulation around 1.3 inches. Corn plants were stressed and stunted, especially the early-season test on higher drier ground. Mid-August rain let corn rebound but the damage was done. Early test rejected due to drought related yield variation.

† 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: Minimum w/o fall till, low P, high K, 5.8 pH, 2.3% OM  
PEST MANAGEMENT: Force, Harness Xtra, Roundup (twice)  
FERTILITY - Applied N: 160 Spring  
Applied N-P-K (units): 160-50-40  
SEEDING - RATE - ROW: May 16 30,500 /A 30" spacing  
HARVESTED - STAND: Nov 10 28,600 /A

**Full-Season Test**  
**96 - 100 Day CRM**  
B2016SDNE11b

**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
Mustang	5700GENVT2P	VT2P	100	<b>185.5</b>	15.1	1	29.5	556	1
Dyna-Gro	D39DC43	VT2P,DG	99	<b>183.8</b>	15.0	1	29.0	551	2
Golden Harvest	G96V99-3010	3010	96	<b>178.1</b>	15.4	1	27.6	533	3
NuTech/G2 Gen	5F-196^	AM,B	96	173.2	14.5	1	29.0	520	4
NuTech	X5V-9901	3111,A	99	171.0	15.7	1	29.5	510	5
Titan Pro	TP 65-00 2P	VT2P,DG	100	168.4	15.6	1	29.5	503	7
Dairyland	DS-9198RA	STX,B	98	168.3	14.4	1	29.5	505	6
Heine	712VT2PRORIB	VT2P,B	100	167.9	15.5	1	29.0	502	8
NorthStar	NS101-314GTA	GT,A	101	166.7	15.2	1	29.0	499	10
NuTech/G2 Gen	5F-198^	AM,B	98	166.6	14.3	1	27.6	500	9
Prairie Brand	4895GT3	3000GT	98	166.4	15.4	1	26.6	498	12
Pfister	57A1SSR	STX,B	97	166.2	14.4	2	31.0	499	11
Titan Pro	TP 54-98 2P	VT2P,B	98	164.0	15.1	1	29.5	492	13
REA	4A962-RIB	STX,B	96	161.2	15.1	2	27.6	483	14
Pfister	60B1SSR	STX,B	100	159.6	15.1	1	28.1	478	15
Prairie Brand	5026RA	STX,B	100	158.9	14.6	1	26.1	477	16
NuTech	5N-800	3011,A	100	158.6	15.3	1	27.6	475	17
Proseed	PX598SS	STX	98	158.4	15.0	1	28.1	475	18
Mustang	6800GENSS	STX	100	158.4	15.1	1	30.0	475	19
Proseed	1399-GT3000	3000GT	99	157.4	15.6	4	29.5	470	20
NuTech/G2 Gen	X5Z-9902^	OI	99	155.8	14.7	1	26.1	467	21
LG Seeds	LG5467STX	STX	97	154.2	14.8	1	29.0	463	23
NorthStar	NS100-531GENSS	STX	100	154.1	15.1	1	27.6	462	24
Dairyland	DS-9599	3000GT	99	153.9	15.6	1	30.5	459	25
Latham	LH4859SSRIB	STX,B	98	152.4	14.8	1	28.1	457	26
Thunder	4600RR	RR2	100	151.5	15.4	1	28.1	453	27
AgVenture	RL5718HBW^	HXT,RR2,AQ	99	151.3	15.3	1	30.5	453	28
Pioneer	P9834AMX GC	AMX,B	98	150.0	14.4	1	29.0	450	29
Heine	637VT2PRO	VT2P	99	149.4	15.2	1	28.6	447	30
Integra	4652VT2PRIB	VT2P,B	96	148.8	15.1	1	30.5	446	31
Dekalb	DKC46-36RIB CK	STX,B	96	155.7	14.8	1	31.5	467	22

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Averages =	<b>153.1</b>	<b>15.0</b>	<b>1</b>	<b>28.6</b>	<b>459</b>
LSD (0.10) =	20.4	0.4	ns		
LSD (0.25) =	14.2	0.3	ns		
C.V. =	9.8	Prev. years average yield, 151.8 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:** Soil temps had started to climb by the time we planted on this no-till site. We had a stretch of dry weather from June 4 through Aug 12 with total rainfall accumulation around 1.3 inches. Corn plants were stressed and stunted, especially the early-season test on higher drier ground. Mid-August rain let corn rebound but the damage was done. Early test rejected due to drought related yield variation.

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2016 Corn Grain - South Dakota Northeast [ SDNE ]



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

Company/Brand	Product/Brand	Technol.	Seed Trt.	RM	Company/Brand	Product/Brand	Technol.	Seed Trt.	RM
AgVenture	AV4291V10	3110,A	AVC,C2,Vi	91	Renk	RK568VT3P	VT3P	AC,P2	95
AgVenture	AV4491YHBW^	OIX,B	MQ,P1V,R	91	Terning Seed	TS8249RR	RR2	AC,P2	95
AgVenture	RL4616HBW^	HXT,RR2	MQ,P5V,R	94	Thunder	7993VT2PRIB	VT2P,B	AC,P2	93
AgVenture	RL5015AMX^	AMX,B	MQ,P5V,R	95	Thunder	Exp 91	VT2P	AC,P2	91
Dairyland	DS-7294	3110	CM,C5,Vi,ln	94	Titan Pro	2M95-2P	VT2P,B	AC,P2	95
Dekalb	DKC39-28RIB	VT2P,B	AC,P2	89	Titan Pro	TP 48-93 2P	VT2P,B	AC,P2	93
Dekalb	DKC46-36RIB CK	STX,B	AC,P5V	96	Titan Pro	TP 58-95 SS	STX,B	AC,P5V	95
Dyna-Gro	D34VC54	VT2P	AC,P5V	94	Titan Pro	TP 61-94 3110A	3110,A	CM,C2	94
Dyna-Gro	D35SS58	STX	AC,P5V	95	Wyffels	W1556 GC	VT2P	AC,P5V	95
Federal	4160VT2PRIB	VT2P,B	AC,P2	91					
Federal	4440VT2PRIB	VT2P,B	AC,P2	94					
Federal	4470VT2P	VT2P	AC,P5V	94					
Federal	4560VT2PRIB	VT2P,B	AC,P2	95					
Heine	615VT2PRO	VT2P	AC,P5V	94					
Heine	627VT3PRORIB	VT3P,B	AC,P2	95					
Integra	4122VT2PRIB	VT2P,B	AC,P2	91					
Integra	4342VT2PRIB	VT2P,B	AC,P2	93					
King Seed	4640-3110A	3110,A	AVC,C2,Vi	94					
Latham	LH4242VT2ProRIB	VT2P,B	AC,P2	92					
Latham	LH4437VT2Pro	VT2P	AC,P5V	94					
Latham	LH4454VT2ProRIB	VT2P,B	AC,P2	94					
Latham	LH4529SS	STX	AC,P5V	95					
Mustang	3292GENVT2P	VT2P,B	AC,P2	92					
Mustang	3294GENVT2P	VT2P	AC,P2	94					
Mustang	3894GENSSRIB	STX,B	AC,P5V	94					
Mustang	4291GENVT2PRIB	VT2P,B	AC,P2	91					
NorthStar	NS92-110VT2PRIB	VT2P,B	AC,P2	92					
NorthStar	NS95-421GENSSRIB	STX,B	AC,P5V	95					
NorthStar	NS95-577VT2PRIB	VT2P,B	AC,P2	95					
NuTech	5B-293	3010	MQ,P5V,R	93					
NuTech	5N-195	3000GT	MQ,P5V,R	95					
NuTech/G2 Gen	X5Z-9103^	OI	MQ,P1V,R	91					
NuTech/G2 Gen	X5Z-9501^	OI	MQ,P1V,R	95					
Pioneer	P9526AMXT	AMXT,AQ,B	MQ,C2	95					
Prairie Brand	4396GT3	3000GT	CM,C5,Vi,ln	93					
Prairie Brand	4487AS3110	3110	CM,C5,Vi,ln	94					
Proseed	1395VT2P	VT2P	AC,P2	95					
Proseed	PX595VT2P	VT2P	AC,P2	95					
Proseed	PX694VT2P	VT2P	AC,P2	94					
REA	3A922-RIB	STX,B	AC,P5V	92					
REA	4A942-RIB	STX,B	AC,P5V	94					
REA	4B931-RIB	VT2P,B	AC,P5V	93					
Renk	RK433VT2P	VT2P	AC,P2	92					
Renk	RK522SSTX	STX,B	AC,P5V	94					
Renk	RK566SSTX	STX	AC,P5V	94					

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

Company/Brand	Product/Brand	Technol.	Seed Trt.	RM	Company/Brand	Product/Brand	Technol.	Seed Trt.	RM
AgVenture	AV5799YHBW^	OIX,AQ	MQ,P1V,R	99	Renk	RK595SSTX	STX	AC,P5V	99
AgVenture	RL5671AMX^	AMX,B	MQ,P5V,R	99	Renk	RK596SSTX	STX,B	AC,P5V	98
AgVenture	RL5718HBW^	HXT,RR2,AC	MQ,P5V,R	99	Renk	RK608DGV2P	VT2P,DG	AC,P2	100
Dairyland	DS-9198RA	STX,B	CM,C5,Vi,In	98	Renk	RK612SSTX	STX,B	AC,P5V	100
Dairyland	DS-9599	3000GT	CM,C5,Vi,In	99	Thunder	4600RR	RR2	AC,P2	100
Dairyland	DS-9701RA	STX,B	CM,C2	101	Thunder	7396VT2PRIB	VT2P,B	AC,P2	96
Dekalb	DKC46-36RIB CK	STX,B	AC,P5V	96	Titan Pro	TP 54-98 2P	VT2P,B	AC,P2	98
Dyna-Gro	D39DC43	VT2P,DG	AC,P5V	99	Titan Pro	TP 65-00 2P	VT2P,DG	AC,P2	100
Federal	4760VT2PRIB	VT2P,B	AC,P2	97	Titan Pro	TP 68-98 SS	STX	AC,P5V	98
Federal	4870SSTAX	STX	AC,P5V	98					
Federal	5060SSTAX	STX	AC,P5V	100					
Federal	5060VT2PRIB	VT2P,B	AC,P2	100					
Golden Harvest	G96V99-3010	3010	AVC,C2,Vi	96					
Heine	637VT2PRO	VT2P	AC,P2	99					
Heine	712VT2PRORIB	VT2P,B	AC,P2	100					
Integra	4652VT2PRIB	VT2P,B	AC,P2	96					
Integra	4902GSS	STX	AC,P5V	99					
Latham	LH4727VT2ProRIB	VT2P,B	AC,P2	97					
Latham	LH4859SSRIB	STX,B	AC,P5V	98					
Latham	LH4955VT2ProRIB	VT2P,B	AC,P2	99					
Latham	LH5099SS	STX	AC,P5V	100					
LG Seeds	LG5467STX	STX	AC,P5V	97					
Mustang	4298GENVT2PRIB	VT2P,B	AC,P2	98					
Mustang	5700GENVT2P	VT2P	AC,P2	100					
Mustang	6800GENSS	STX	AC,P5V	100					
NorthStar	NS100-531GENSS	STX	AC,P2	100					
NorthStar	NS101-314GTA	GT,A	CM,C2	101					
NuTech	5N-800	3011,A	MQ,P5V,R	100					
NuTech	X5V-9901	3111,A	AVC,C2,Vi	99					
NuTech/G2 Gen	5F-196^	AM,B	MQ,P5V	96					
NuTech/G2 Gen	5F-198^	AM,B	MQ,P5V,R	98					
NuTech/G2 Gen	X5Z-9902^	OI	MQ,P1V,R	99					
Pfister	57A1SSR	STX,B	CM,C5,Vi,In	97					
Pfister	60B1SSR	STX,B	CM,C5,Vi,In	100					
Pioneer	P9834AMX GC	AMX,B	MQ,C2	98					
Pioneer	P9929AMXT GC	AMXT,B	MQ,C2,Lu	99					
Prairie Brand	4776RA	STX,B	CM,C5,Vi,In	97					
Prairie Brand	4895GT3	3000GT	CM,C5,Vi,In	98					
Prairie Brand	5026RA	STX,B	CM,C5,Vi,In	100					
Proseed	1399-GT3000	3000GT	CM,C2	99					
Proseed	1496SSRIB	STX,B	AC,P5	96					
Proseed	PX598SS	STX	AC,P5	98					
REA	4A962-RIB	STX,B	AC,P5V	96					
REA	5A981-RIB	STX,B	AC,P5V	98					
REA	5A982-RIB	STX,B	AC,P5V	98					

## 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.