

2016 Corn Grain Top 30 Harvest Report

South Dakota Northeast [SDNE] WEBSTER
Fred Zenk, Day County, SD 57274



PREV. CROP/HERB: Barley
SOIL DESCRIPTION: Nutley-Sinai silty clay, moderately drained, non-irrigated
SOIL CONDITION: No-till, moderate P, moderate K, 6.8 pH, 6.1% OM
PEST MANAGEMENT: Force, Roundup
FERTILITY - Applied N: 148 Spring
Applied N-P-K (units): 148-18-10
SEEDING - RATE - ROW: May 14 32,500 /A 30" spacing
HARVESTED - STAND: Nov 5 29,700 /A

Early-Season Test

91 - 95 Day CRM
B2016SDNE12a

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
Thunder	Exp 91	VT2P	91	209.3	16.1	1	30.5	622	1
Wyffels	W1556 GC	VT2P	95	205.3	17.0	1	30.5	606	2
Integra	4122VT2PRIB	VT2P,B	91	202.3	15.9	1	27.6	602	3
Federal	4160VT2PRIB	VT2P,B	91	201.5	16.2	1	30.0	598	4
Pioneer	P9526AMXT	AMXT,AQ,B	95	200.3	17.0	1	30.0	591	6
Renk	RK522SSTX	STX,B	94	200.2	16.0	1	31.0	596	5
Renk	RK566SSTX	STX	94	197.0	16.9	1	29.5	582	9
Terning Seed	TS8249RR	RR2	95	196.9	16.7	4	30.5	582	10
King Seed	4640-3110A	3110,A	94	196.5	16.0	2	31.0	585	7
Latham	LH4242VT2ProRIB	VT2P,B	92	196.3	16.9	1	27.6	580	13
Dairyland	DS-7294	3110	94	196.1	16.4	1	29.5	581	12
Mustang	3894GENSSRIB	STX,B	94	195.7	16.1	1	29.5	582	11
Titan Pro	2M95-2P	VT2P,B	95	195.6	16.6	1	28.1	579	14
Latham	LH4454VT2ProRIB	VT2P,B	94	195.5	16.7	1	31.5	578	15
Mustang	3294GENVT2P	VT2P	94	193.7	16.9	1	27.6	572	16
Renk	RK433VT2P	VT2P	92	193.0	16.7	1	31.5	571	17
Proseed	PX694VT2P	VT2P	94	192.7	16.6	1	28.1	570	19
REA	4B931-RIB	VT2P,B	93	192.5	16.3	1	28.1	571	18
Mustang	3292GENVT2P	VT2P,B	92	192.0	16.7	1	30.0	568	20
Heine	615VT2PRO	VT2P	94	191.8	16.9	1	31.5	566	21
REA	4A942-RIB	STX,B	94	190.9	16.5	1	31.9	566	22
Heine	627VT3PRORIB	VT3P,B	95	190.9	16.8	1	28.1	564	23
Dyna-Gro	D34VC54	VT2P	94	189.8	17.0	1	31.0	560	26
Federal	4470VT2P	VT2P	94	189.5	16.9	1	30.0	559	30
NorthStar	NS95-421GENSSRIB	STX,B	95	189.4	16.2	1	28.1	563	24
NorthStar	NS95-577VT2PRIB	VT2P,B	95	189.4	16.6	1	29.0	561	25
Titan Pro	TP 48-93 2P	VT2P,B	93	189.1	16.5	2	29.0	560	27
Proseed	1395VT2P	VT2P	95	188.8	16.3	1	26.6	560	28
Prairie Brand	4487AS3110	3110	94	188.7	16.5	1	32.9	559	31
Mustang	4291GENVT2PRIB	VT2P,B	91	188.4	16.1	1	32.4	560	29
Dekalb	DKC46-36RIB CK	STX,B	96	198.6	17.4	1	30.0	584	8

Mark Tollefson

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Averages = **187.5** **16.5** **1** **29.7** **555**

LSD (0.10) = 16.9 0.4 ns

LSD (0.25) = 11.8 0.3 ns

C.V. = 6.7 Prev. years average yield, 188.4 bu/a, 5 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 was planted into very good soil conditions. May and June rainfall was slightly below average but July and August 2.9 and 1.8 inches, respectively, above the area 30-year avg. A July 17, hail storm really shredded corn leaves at this site. The leaves hung on and corn stalks remained intact for harvest. It was a pleasant surprise to see these decent yield levels despite the hail damage.

† 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 exceeded the grain moisture limit for this test. **ns** = column values not significantly different

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PEST MANAGEMENT: Force, Roundup
FERTILITY - Applied N: 148 Spring
Applied N-P-K (units): 148-18-10
SEEDING - RATE - ROW: May 14 32,500 /A 30" spacing
HARVESTED - STAND: Nov 5 28,400 /A

Full-Season Test
96 - 100 Day CRM
B2016SDNE12b

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	230.5	17.8	1	27.6	675	1
Dyna-Gro	D39DC43	VT2P,DG	99	225.9	18.0	1	26.1	661	2
Pfister	60B1SSR	STX,B	100	218.4	18.2	1	30.0	638	3
Federal	4760VT2PRIB	VT2P,B	97	216.4	17.1	2	27.1	638	4
Mustang	5700GENVT2P	VT2P	100	213.9	17.4	1	26.1	629	5
Dairyland	DS-9599	3000GT	99	212.4	17.9	1	29.0	622	6
Integra	4902GSS	STX	99	211.5	19.4	1	29.0	611	14
Prairie Brand	5026RA	STX,B	100	211.2	18.1	1	28.1	617	8
Proseed	1496SSRIB	STX,B	96	210.4	17.7	1	31.0	617	9
Golden Harvest	G96V99-3010	3010	96	210.4	17.7	1	27.6	617	10
Federal	5060VT2PRIB	VT2P,B	100	210.2	18.6	1	29.0	612	12
Mustang	6800GENSS	STX	100	209.7	19.6	1	25.7	605	16
Renk	RK595SSTX	STX	99	209.6	17.0	1	30.5	618	7
Mustang	4298GENVT2PRIB	VT2P,B	98	207.9	17.2	2	27.1	612	13
Dairyland	DS-9198RA	STX,B	98	207.8	17.0	1	27.6	613	11
Heine	712VT2PRORIB	VT2P,B	100	207.2	18.8	1	27.1	602	19
Integra	4652VT2PRIB	VT2P,B	96	206.1	17.6	1	30.0	605	17
Prairie Brand	4895GT3	3000GT	98	205.7	17.6	2	29.0	604	18
REA	5A981-RIB	STX,B	98	205.5	18.0	1	30.5	601	22
Latham	LH4727VT2ProRIB	VT2P,B	97	205.3	16.7	1	29.5	607	15
Renk	RK612SSTX	STX,B	100	204.7	17.4	1	30.0	602	20
REA	4A962-RIB	STX,B	96	204.6	17.6	1	26.6	601	23
Proseed	PX598SS	STX	98	204.6	18.2	1	29.5	597	24
LG Seeds	LG5467STX	STX	97	203.9	17.0	1	27.1	602	21
NuTech	5N-800	3011,A	100	203.2	17.9	1	28.6	595	25
NorthStar	NS100-531GENSS	STX	100	202.9	18.8	1	27.6	589	30
AgVenture	AV5799YHBW^	OIX,AQ	99	202.3	18.1	1	30.0	591	28
Renk	RK608DGVT2P	VT2P,DG	100	201.2	17.3	1	28.1	592	27
NuTech/G2 Gen	5F-198^	AM,B	98	200.8	16.5	1	28.1	595	26
Pfister	57A1SSR	STX,B	97	199.5	16.6	1	29.0	591	29
Dekalb	DKC46-36RIB CK	STX,B	96	199.1	17.2	1	27.1	586	33

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Averages = **202.2** **17.7** **1** **28.4** **593**

LSD (0.10) = 18.7 0.7 1

LSD (0.25) = 13.0 0.5 1

C.V. = 6.8 Prev. years average yield, 188.4 bu/a, 5 yrs

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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,In	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,In	93					
Prairie Brand	4487AS3110	3110	CM,C5,Vi,In	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.