

2016 Corn Grain Top 30 Harvest Report
 South Dakota Northeast [SDNE] ARLINGTON
 Tim Bjorklund, Brookings County, SD 57212



PREV. CROP/HERB: Soybean
 SOIL DESCRIPTION: Hetland silty clay loam, moderately drained, non-irrigated
 SOIL CONDITION: No-till, high P, moderate K, 5.9 pH, 5.5% OM
 PEST MANAGEMENT: Force, SureStart, Durango, atrazine, Callisto
 FERTILITY - Applied N: 184 Spring
 Applied N-P-K (units): 184-78-75
 SEEDING - RATE - ROW: May 5 32,500 /A 30" spacing
 HARVESTED - STAND: Nov 6 30,500 /A

Early-Season Test
91 - 95 Day CRM
 B2016SDNE08a

Top 30 of 54
 For Gross Income (Sorted by Yield)
 Average of (2) Replications

Company/Brand	Product/Brand†	Technol.†	RM	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Mustang	3894GENSSRIB	STX,B	94	256.8	16.2	1	31.2	763	1
Renk	RK433VT2P	VT2P	92	250.0	17.3	1	29.0	736	2
Mustang	3292GENVT2P	VT2P,B	92	248.9	16.9	1	30.5	735	3
King Seed	4640-3110A	3110,A	94	247.9	17.1	1	29.0	731	4
Mustang	3294GENVT2P	VT2P	94	245.9	17.1	1	31.2	725	5
Terning Seed	TS8249RR	RR2	95	243.4	16.5	1	31.9	721	6
Proseed	PX694VT2P	VT2P	94	238.2	16.8	1	30.5	704	7
Latham	LH4242VT2ProRIB	VT2P,B	92	236.0	17.0	1	30.5	696	9
Renk	RK522SSTX	STX,B	94	235.3	16.0	1	28.3	700	8
Mustang	4291GENVT2PRIB	VT2P,B	91	235.0	16.6	1	32.7	696	10
Proseed	PX595VT2P	VT2P	95	234.3	17.2	1	33.4	690	11
Pioneer	P9526AMXT	AMXT,AQ,B	95	233.6	17.1	1	30.5	689	12
Thunder	7993VT2PRIB	VT2P,B	93	231.4	16.8	1	32.7	684	13
Integra	4342VT2PRIB	VT2P,B	93	229.0	16.8	1	26.9	677	14
NuTech	5B-293	3010	93	228.4	18.0	1	31.9	668	16
Proseed	1395VT2P	VT2P	95	226.4	17.0	1	29.8	668	17
Integra	4122VT2PRIB	VT2P,B	91	226.2	16.0	1	29.0	673	15
AgVenture	RL4616HBW^	HXT,RR2	94	225.7	16.6	1	31.9	668	18
Thunder	Exp 91	VT2P	91	224.1	16.3	1	31.9	665	20
Federal	4470VT2P	VT2P	94	219.2	16.7	1	31.2	648	22
AgVenture	RL5015AMX^	AMX,B	95	218.7	16.0	1	32.7	651	21
Heine	627VT3PRORIB	VT3P,B	95	217.8	16.7	1	31.2	644	24
NorthStar	NS92-110VT2PRIB	VT2P,B	92	217.5	16.9	1	31.9	642	25
Renk	RK566SSTX	STX	94	217.3	17.9	1	29.0	636	30
Prairie Brand	4396GT3	3000GT	93	217.2	15.8	1	28.3	647	23
Federal	4440VT2PRIB	VT2P,B	94	216.7	17.1	1	29.8	639	26
Wyffels	W1556 GC	VT2P	95	216.2	16.8	1	31.9	639	27
REA	4B931-RIB	VT2P,B	93	215.0	16.3	1	31.9	638	28
Dairyland	DS-7294	3110	94	214.6	17.3	1	31.2	631	31
Federal	4160VT2PRIB	VT2P,B	91	213.4	15.4	1	30.5	638	29
Dekalb	DKC46-36RIB CK	STX,B	96	226.6	17.7	1	29.0	665	19

Mark Tollefson
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Averages =	218.7	16.7	1	30.5	647
LSD (0.10) =	24.9	0.6	ns		
LSD (0.25) =	17.3	0.4	ns		
C.V. =	6.8	Prev. years average yield, 163.6 bu/a, 4 yrs			

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

Test Comments: *We had good spring weather and timely planting. Weather conditions turned favorable at harvest and the grain moistures have slowly fallen as dry sunny weather started to dominate. Healthy upright plants gave no issues for harvest. Some plot areas were excessively wet causing variable yields. This variation coupled with a harvest error in the full-season test caused that data to be rejected.*

† 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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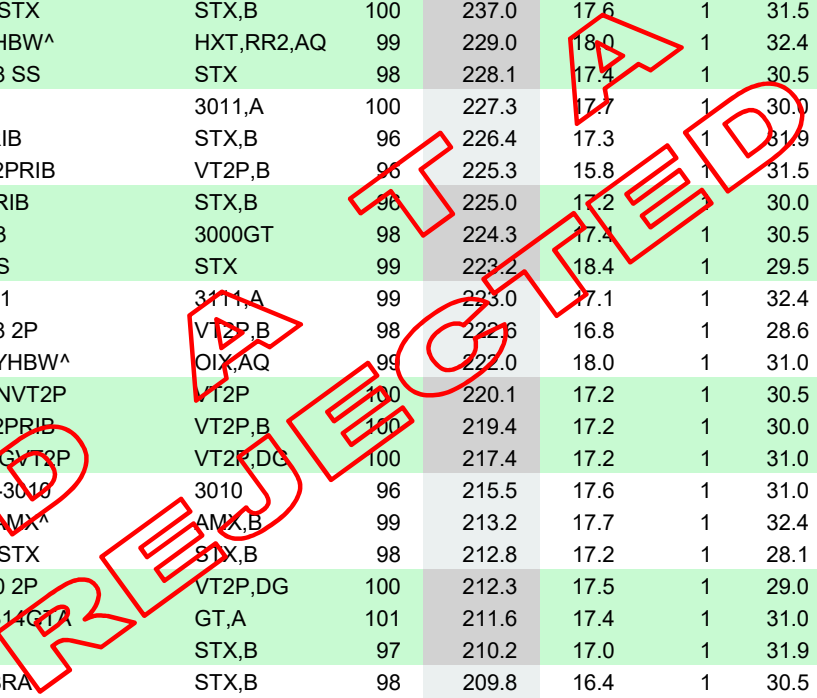
PREV. CROP/HERB: Soybean
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 SOIL CONDITION: No-till, high P, moderate K, 5.9 pH, 5.5% OM
 PEST MANAGEMENT: Force, SureStart, Durango, atrazine, Callisto
 FERTILITY - Applied N: 184 Spring
 Applied N-P-K (units): 184-78-75
 SEEDING - RATE - ROW: May 5 32,500 /A 30" spacing
 HARVESTED - STAND: Nov 6 30,300 /A

Full-Season Test
96 - 100 Day CRM
 B2016SDNE08b

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
NuTech/G2 Gen	5F-198^	AM,B	98	241.8	15.7	1	28.1	721	1
Proseed	1399-GT3000	3000GT	99	240.3	17.3	1	30.0	707	2
Dyna-Gro	D39DC43	VT2P,DG	99	237.8	17.0	1	32.4	702	3
Renk	RK612SSTX	STX,B	100	237.0	17.6	1	31.5	696	4
AgVenture	RL5718HBW^	HXT,RR2,AQ	99	229.0	18.0	1	32.4	670	7
Titan Pro	TP 68-98 SS	STX	98	228.1	17.4	1	30.5	671	5
NuTech	5N-800	3011,A	100	227.3	17.7	1	30.0	667	8
REA	4A962-RIB	STX,B	96	226.4	17.3	1	31.9	666	9
Thunder	7396VT2PRIB	VT2P,B	96	225.3	15.8	1	31.5	671	6
Proseed	1496SSRIB	STX,B	96	225.0	17.2	1	30.0	663	10
Prairie Brand	4895GT3	3000GT	98	224.3	17.4	1	30.5	659	11
Integra	4902GSS	STX	99	223.2	18.4	1	29.5	651	14
NuTech	X5V-9901	3111,A	99	223.0	17.1	1	32.4	657	13
Titan Pro	TP 54-98 2P	VT2P,B	98	222.6	16.8	1	28.6	658	12
AgVenture	AV5799YHBW^	OIX,AQ	99	222.0	18.0	1	31.0	649	15
Mustang	5700GENVT2P	VT2P	100	220.1	17.2	1	30.5	648	16
Federal	5060VT2PRIB	VT2P,B	100	219.4	17.2	1	30.0	646	17
Renk	RK608DGV2P	VT2P,DG	100	217.4	17.2	1	31.0	640	18
Golden Harvest	G96V99-3010	3010	96	215.5	17.6	1	31.0	632	19
AgVenture	RL5671AMX^	AMX,B	99	213.2	17.7	1	32.4	625	21
Renk	RK596SSTX	STX,B	98	212.8	17.2	1	28.1	627	20
Titan Pro	TP 65-00 2P	VT2P,DG	100	212.3	17.5	1	29.0	624	22
NorthStar	NS101-314GT1A	GT,A	101	211.6	17.4	1	31.0	622	23
Prairie Brand	4776RA	STX,B	97	210.2	17.0	1	31.9	620	25
Dairyland	DS-9198RA	STX,B	98	209.8	16.4	1	30.5	622	24
Federal	5060SSTAX	STX	100	209.0	19.3	1	31.9	605	30
Federal	4760VT2PRIB	VT2P,B	97	208.9	16.8	1	32.4	617	26
Dairyland	DS-9599	3000GT	99	208.8	17.1	1	29.5	615	27
Latham	LH4859SSRIB	STX,B	98	208.4	17.2	1	26.6	614	28
Heine	712VT2PRORIB	VT2P,B	100	207.2	17.8	1	30.0	607	29
Dekalb	DKC46-36RIB CK	STX,B	96	201.5	17.8	1	31.0	590	34



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Averages =	199.8	16.4	1	30.3	589
LSD (0.10) =	ns	5.3	ns		
LSD (0.25) =	46.5	3.7	ns		
C.V. =	24.6	Prev. years average yield, 163.6 bu/a, 4 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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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,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					

2016 Corn Grain - South Dakota Northeast [SDNE]



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	RK608DGVT2P	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 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.