

2014 Corn Grain Top 30 Harvest Report

South Dakota Southeast [SDSE] FLANDREAU
Stuart Benson, Moody County, SD 57028



PREV. CROP/HERB: Soybean / Roundup, Flexstar
SOIL DESCRIPTION: Moody clay loam, well drained, conventional w/ fall till, non-irrigated
SOIL CONDITION: Mod. Low P, mod. high K, 6 pH, 3.3% OM
PEST MANAGEMENT: Force, Roundup, Harness Xtra
FERTILITY - Applied N: 140 Fall
Applied N-P-K (units): 140-70-70
SEEDED - RATE - ROW: May 6 36,000 /A 30" spacing
HARVESTED - STAND: Oct 30 35,700 /A

Early-Season Test
98 - 102 Day CRM
B2014SDSE04a

Top 30 of 54
For Gross Income (Sorted by Yield)
Average of (3) Replications

Company/Brand	Product/Brand†	Technol.†	Seed Treatment†	RM	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Prairie Brand	4895GT3	3000GT	CM,C2	98	196.3	15.3	1	36.3	587	1
REA	5A992-RIB	STX,B	AC,P5V	99	194.2	14.3	1	36.3	583	2
Latham	LH4859SSRIB	STX,B	AC,P5V	98	191.9	15.4	1	36.3	574	3
Federal	5050SSTAX	STX	AC,P5V	100	190.8	14.2	1	36.3	572	4
Wensman	W 7320VT3PRIB	VT3P,B	AC,P5V	101	190.2	17.4	1	36.3	559	8
ProSeed	1399-3000GT	3000GT	CM,C2	99	190.1	15.3	1	35.8	569	5
Renk	RK633SSTX	STX,B	AC,P2	101	189.8	15.3	1	36.3	568	6
Wensman	W 9325STXRIB	STX,B	AC,P5V	102	188.0	15.9	1	34.4	560	7
Titan Pro	TP 31-01 3011A	3011A	AVC,C2	101	185.9	16.6	1	36.3	550	12
Great Lakes	4879STXRIB	STX,B	AC,P5V	98	185.6	14.0	1	33.9	557	9
Federal	5140SSTAXRIB	STX,B	AC,P5V	101	185.4	15.3	1	36.3	555	10
REA	5A029-RIB	STX,B	AC,P5V	102	183.6	14.3	1	34.8	551	11
Pfister	1785GT3000	3000GT	CM,C2	100	182.9	13.7	1	36.3	549	13
Heine	735STX	STX	AC,P2	102	182.9	14.1	2	36.3	549	14
Titan Pro	TP 39-00 SS	STX,B	AC,P5V	100	182.4	15.3	1	36.3	546	15
Renk	RK605SSTX	STX	AC,P2	100	181.7	14.4	1	34.4	545	16
Rob-See-Co	Innotech IC4903^	3111A	CM,C2	99	181.0	15.2	1	36.3	542	17
Latham	LH5215VT2PRORIB	VT2P,B	AC,P2	102	181.0	17.9	1	35.8	530	22
ProSeed	13101SSRIB	STX,B	AC,P2	101	180.8	15.5	1	36.3	540	18
Wensman	W 9288STXRIB	STX,B	AC,P5V	98	179.7	14.4	1	36.3	539	19
Renk	RK666SSTX	STX,B	AC,P2	102	179.0	16.2	1	34.3	532	20
Renze	3174RA	STX,B	CM,C2	102	178.6	16.2	1	36.3	530	23
Prairie Brand	992RA	STX,B	CM,C2	100	177.5	16.1	1	36.3	528	24
LG Seeds	LG5502STX	STX	AC,P5V	102	177.4	14.8	1	35.8	532	21
Federal	5240SSTAX	STX	AC,P5V	102	177.3	15.8	1	35.3	528	25
Pfister	1821RA	STX,B	CM,C2	100	176.0	15.6	1	36.3	525	26
Great Lakes	5283STXRIB	STX,B	AC,P5V	102	175.3	15.6	1	34.4	523	29
Dekalb	DKC51-19RIB GC	VT3P,DG,B	AC,P2	101	174.9	13.6	1	36.3	525	27
LG Seeds	LG5499STXRIB	STX,B	AC,P5V	100	174.8	15.6	1	36.3	522	30
Latham	LH4955VT2PRORIB	VT2P,B	AC,P5V	99	174.7	14.5	1	36.3	524	28
Dekalb	DKC53-56RIB CK	STX,B	AC,P5V	103	172.3	14.3	1	34.8	517	33

Mark Tollefson

mark.tollefson@firstseedtests.com, (507) 456-2357

Test Average = **175.5** 15.1 1 35.7 524
LSD (0.10) = 15.0 0.8 1
LSD (0.25) = 10.5 0.5 1
C.V. = 6.3 3.8

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Price = $\frac{\$3.00}{\$3.00}$ Local GMO non-GMO

Test Comments: Total June rainfall was plentiful at 7.2 inches, 2.9" above the 30-yr average. Fortunately the test area drained well and the crop showed no sign of damage from all the rain. A September 14 freeze damaged many area crops. A blustery wind around 25 mph blew during harvest and stalk health proved to be strong. Many hybrids were around 7 feet in height and still had tassels at 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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Report date: 10/31/2014 Revised:

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SOIL CONDITION: Mod. Low P, mod. high K, 6 pH, 3.3% OM
PEST MANAGEMENT: Force, Roundup, Harness Xtra
FERTILITY - Applied N: 140 Fall
Applied N-P-K (units): 140-70-70
SEEDED - RATE - ROW: May 6 36,000 /A 30" spacing
HARVESTED - STAND: Oct 30 35,700 /A

Full-Season Test
103 - 107 Day CRM
B2014SDSE04b

Top 30 of 54
For Gross Income (Sorted by Yield)
Average of (3) Replications

Company/Brand	Product/Brand†	Technol.†	Seed Treatment†	RM	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
NuTech/G2 Gen	5Z-707^	OI,AQ	MQ,P1V,R	107	211.5	18.1	1	36.3	618	2
Titan Pro	2M04-2P	VT2P,B	AC,P2	104	208.7	19.4	1	36.3	603	3
Renk	RK699SSTX	STX,B	AC,P2	105	204.2	18.4	1	35.3	595	6
Channel	205-19STXRIB	STX,B	AC,P5V	105	202.0	16.5	2	35.8	598	5
Heine	798STXRIB	STX,B	AC,P5V	108	202.0	18.1	1	36.3	590	7
Renze	3255RA	STX,B	AC,P5	107	200.6	17.8	1	35.8	588	8
Federal	5530VT3P	VT3P	AC,P2	105	200.0	14.1	1	36.3	600	4
REA	6A071-RIB	STX,B	AC,P5V	107	199.4	20.3	1	35.8	572	14
Prairie Brand	5785SX	STX	CM,C2	107	199.3	17.4	2	35.3	586	9
Latham	LH5509SSRIB	STX,B	AC,P5V	105	198.5	17.1	2	36.3	585	10
Dairyland	DS9305RA	STX,B	CM,C2	105	198.3	17.9	2	36.3	581	12
Curry	627-44	HX,RR2,AQ	MQ,P5V,R	107	196.5	18.1	1	35.8	574	13
Titan Pro	TP 39-05 SS	STX,B	AC,P5V	105	195.0	18.9	1	36.3	566	16
Heine	744VT3PRORIB	VT3P,B	AC,P2	104	194.9	14.5	1	35.8	585	11
Prairie Brand	5815SX	STX	CM,C2	107	194.5	19.8	1	36.3	560	20
Wensman	W 91051STX	STX	AC,P5V	105	193.5	18.2	1	36.3	565	17
Great Lakes	5755STXRIB	STX,B	AC,P5V	107	193.0	19.1	1	35.8	559	22
Titan Pro	TP 37-06 SS	STX,B	AC,P5V	106	192.6	18.7	1	34.8	560	21
Curry	726-56AM	AM,B	MQ,P5V,R	106	192.1	18.8	1	36.3	558	23
LG Seeds	LG5523STX	STX	AC,P5V	105	191.8	17.6	1	36.3	563	18
Latham	LH5715VT2PRORIB	VT2P,B	AC,P2	107	191.8	19.7	1	35.3	553	25
Channel	203-88STXRIB	STX,B	AC,P5V	103	190.6	15.6	1	34.8	569	15
NuTech/G2 Gen	5F-805^	AM,B	MQ,P5V	105	188.8	18.6	1	33.9	549	27
Pfister	2447SS	STX	AC,P5	106	188.1	17.2	1	35.8	554	24
Renk	RK712SSTX	STX	AC,P2	106	188.0	19.6	1	36.3	542	30
Pfister	2399GT3000	3000GT	CM,C2	104	187.9	15.6	10	36.3	561	19
Curry	626-69 GC	HX,RR2	MQ,P5V,R	106	187.5	17.6	2	35.3	550	26
NuTech/G2 Gen	5X-806^	HXT,RR2	MQ,P5V	106	185.7	18.3	2	33.9	542	31
REA	6A062-RIB	STX,B	AC,P5V	106	184.9	17.2	2	35.3	545	29
King	6707GT	GT	CM,C2	103	184.1	16.4	3	35.8	546	28
Dekalb	DKC53-56RIB CK	STX,B	AC,P5V	103	209.6	16.7	1	36.3	620	1

Test Average = **187.3** 18.2 2 35.7 547

LSD (0.10) = 14.3 0.8 2

LSD (0.25) = 10.0 0.6 1

C.V. = 5.6 3.4

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Footnotes and Abbreviation Descriptions

Brand Footnotes

^	G2® brand seed is distributed by NuTech Seed, LLC. HPT® brand seed is distributed by Hoegemeyer Hybrids, Inc. 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®, RPM®, Supreme EX®, VPMaXX® and XL® are registered trademarks of DuPont Pioneer.
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)	DG	Genuity® DroughtGard®
3011A	Agrisure® Artesian® (CB,RW,LL,GT)	GT	Agrisure® GT
3110	Agrisure® Viptera® 3110 (Vip, CB,LL,GT)	GT/CB/LL	Agrisure® GT/CB/LL
3111	Agrisure® Viptera® 3111 (Vip,CB,RW,LL,GT)	HX	Herculex® 1, contains LL
3122	Agrisure® 3122 (CB,HXX,RW,LL,GT)	HX,RR2	Herculex® 1, Roundup Ready 2 Corn
3220	Agrisure® Viptera® 3220 (Vip,CB,HX,LL,GT)	HXRW	Herculex® Rootworm, contains LL
5122	Agrisure® Duracade® 5122 (CB,HX,RW,RW2,LL,GT)	HXT	Herculex® Xtra (HX,HXRW,LL)
5222	Agrisure® Duracade® 5122 (Vip,CB,HX,RW,RW2,LL,GT)	HXT,RR2	Herculex® Xtra, Roundup Ready 2 Corn
A	Agrisure® Artesian®	LL	LibertyLink®
AM	Optimum® AcreMax® (YGCB,HX,LL,RR2)	None	conventional corn
AM-R	Optimum® AcreMax® (YGCB,HX,RR2)	OI	Optimum® Intrasect® (YGCB,HX,LL,RR2)
AM1	Optimum® AcreMax®1 (HXT,LL,RR2)	OIX	Optimum® Intrasect® Xtra (YGCB,HXT,LL,RR2)
AMRW	Optimum® AcreMax® Rootworm (HXRW,LL,RR2)	OIXT	Optimum® Intrasect® Xtreme (YGCB,HXT,RW,LL,RR2)
AMRW-R	Optimum® AcreMax® Rootworm (HXRW,RR2)	OL	Optimum® Leptra® (Vip,YGCB,HX,LL,RR2)
AMX	Optimum® AcreMax® Xtra (YGCB,HXT,LL,RR2)	OT	Optimum® TRIssect® (HX,RW,LL,RR2)
AMX-R	Optimum® AcreMax® Xtra (YGCB,HXT,RR2)	RR2	Roundup Ready® 2 Corn
AMXT	Optimum® AcreMax® Xtreme (YGCB,HXT,LL,RR2)	STX	SmartStax® (VT3P,HXX)
AQ	Optimum® AQUAmax®	VT2P	Genuity® VT Double PRO®
B	Blended seed (i.e. refuge blend)	VT3	YieldGard VT Triple®
CB/LL	Agrisure® CB/LL	VT3P	Genuity® VT Triple PRO®
CB/LL/RW	Agrisure® CB/LL/RW	YGCB	YieldGard® Corn Borer

* The refuge component genetics may vary in a refuge blend seed product.

Corn Seed Treatments**

A	Allegiance®	L	Lorsban®
AC	Acceleron® 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® (tebuconazole)
CM	CruiserMaxx® Corn	St	Stamina® (pyraclostrobin)
D	Dynasty® (azoxystrobin)	V	Votivo®
Es	Escalate®	Z	zinc

** Seed treatments may include unspecified plant health promoting components.