

# 2014 Corn Grain Top 30 Harvest Report

South Dakota Northeast [ SDNE ] BATH  
 Scott Sperry, Brown County, SD 57427



Test by: MNS Seed Testing, LLC, New Richland, MN

PREV. CROP/HERB: Soybean / Roundup UltraMax, Select Max, Authority MTZ  
 SOIL DESCRIPTION: Great-Bend silt loam, well drained, no-till, non-irrigated  
 SOIL CONDITION: High P, high K, 6.9 pH, 3% OM  
 PEST MANAGEMENT: Force, Harness Xtra, atrazine, Sterling Blue, Roundup WeatherMax  
 FERTILITY - Applied N: 156 Spring, 21 Sidedress  
 Applied N-P-K (units): 177-100-0  
 SEEDED - RATE - ROW: May 18 35,000 /A 30" spacing  
 HARVESTED - STAND: Nov 3 34,600 /A

## Early-Season Test

91 - 95 Day CRM  
 B2014SDNE07a

## 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
Latham	LH4098VT3PRORIB	VT3P,B	AC,P2	90	<b>232.3</b>	13.4	1	34.3	697	1
Renk	RK568VT3P	VT3P,B	AC,P2	95	<b>224.8</b>	15.1	1	35.3	674	2
ProSeed	1191VT2PRIB	VT2P,B	AC,P2	91	<b>220.3</b>	14.2	1	33.8	661	3
REA	4B941-RIB	VT2P,B	AC,P5V	94	220.0	14.9	1	35.3	660	4
Terning Seeds	TS8199VT2P	VT2P	CM,C2	91	219.4	16.0	1	34.8	653	5
Mustang	4695GENVT3P GC	VT3P,B	AC,P2V	95	216.0	15.4	1	34.8	646	6
Federal	4440VT3PRIB	VT3P,B	AC,P2	94	213.8	15.0	1	34.8	641	7
Dekalb	DKC43-48RIB GC	VT3P,B	AC,P2	93	212.9	13.8	1	34.8	639	8
Federal	4240VT2P	VT2P	AC,P2	92	212.9	15.6	1	34.8	636	11
Viking	VS91-591	VT2P,B	AC,P2	91	212.7	13.8	1	35.3	638	9
Wensman	W 80952VT2RIB	VT2P,B	AC,P5V	95	212.3	15.4	1	34.3	635	12
Wensman	W 90935STXRIB	STX,B	AC,P5V	93	212.2	14.6	1	33.4	637	10
Latham	LH4242VT2PRORIB	VT2P,B	AC,P5V	92	211.0	15.9	1	33.8	628	16
Titan Pro	2M91-2P	VT2P,B	AC,P2	91	210.8	13.7	1	34.8	632	13
REA	4V953-RIB	VT3P,B	AC,P5V	95	210.3	13.8	1	35.3	631	14
Federal	4540VT3P	VT3P	AC,P2	95	210.3	15.7	1	33.4	627	17
Thunder	7993VT2PRIB	VT2P,B	AC,P2	93	209.8	15.1	1	34.3	629	15
Prairie Brand	4284RA	STX,B	CM,C2	93	209.0	15.2	1	33.4	626	18
Titan Pro	2M95-2P	VT2P,B	AC,P2	95	208.6	15.0	1	33.4	626	19
Titan Pro	TP 48-93 2P	VT2P,B	AC,P2	93	208.2	15.5	1	34.8	622	20
Dairyland	DS9791RA	STX,B	CM,C2	91	207.2	15.5	1	34.8	619	21
Viking	VS92-110	VT2P,B	AC,P2	92	206.3	15.5	1	34.8	616	22
Latham	LH4455VT3PRORIB	VT3P,B	AC,P2	94	205.0	15.3	1	34.8	613	25
Wensman	W 90941STX	STX	AC,P5V	94	204.9	14.0	1	35.3	615	23
REA	4A942-RIB	STX,B	AC,P5V	94	204.7	14.5	1	34.8	614	24
Thunder	9595VT3PRIB	VT3P,B	AC,P2	95	204.0	15.0	1	33.9	612	26
Nuseed	9304VT2P	VT2P	AC,P2	93	203.1	15.5	1	33.4	607	27
Latham	LH4568VT3PRORIB	VT3P,B	AC,P2	95	201.9	15.3	1	33.4	604	29
REA	4B285-RIB	VT2P,B	AC,P5V	93	201.7	14.1	1	35.3	605	28
AgVenture/Scherr	VPmx RL4616HBW^	HX,RR2	MQ,P5	94	201.1	13.9	2	35.3	603	30
Pioneer	P9834AMX CK	AMX,B	MQ,C2	98	195.8	14.3	1	34.8	587	40

Test Average = **202.4** **14.7** **1** **34.6** **606**

LSD (0.10) = 17.8 0.6 1

LSD (0.25) = 12.4 0.4 1

C.V. = 6.5 3.1

Mark Tollefson

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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:** This area missed the big rains in June that was common at my other test locations. June and July monthly rainfall totals were below the 30-year average. Scott has been a little disappointed with yields and attributed it to lack of early season rainfall. We still managed to find good yields and test results this year. Plants were tall, 8 feet and higher. Stalks were thick and tough 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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PREV. CROP/HERB: Soybean / Roundup UltraMax, Select Max, Authority MTZ  
SOIL DESCRIPTION: Great-Bend silt loam, well drained, no-till, non-irrigated  
SOIL CONDITION: High P, high K, 6.9 pH, 3% OM  
PEST MANAGEMENT: Force, Harness Xtra, atrazine, Sterling Blue, Roundup WeatherMax  
FERTILITY - Applied N: 156 Spring, 21 Sidedress  
Applied N-P-K (units): 177-100-0  
SEEDING - RATE - ROW: May 18 35,000 /A 30" spacing  
HARVESTED - STAND: Nov 3 34,300 /A

**Full-Season Test**  
**96 - 100 Day CRM**  
B2014SDNE07b

**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
ProSeed	1399-3000GT	3000GT	CM,C2	99	<b>212.0</b>	15.3	1	33.9	634	1
Renk	RK605SSTX	STX	AC,P2	100	204.8	14.9	1	34.3	614	2
Dyna-Gro	D39VP14	VT3P	AC,P5V	99	204.8	16.1	1	34.8	609	5
NuTech/G2 Gen	5Y-196^	OIX	MQ,P1V,R	96	203.8	13.2	1	32.9	611	3
REA	5A992-RIB	STX,B	AC,P5V	99	203.3	14.5	1	34.8	610	4
Latham	LH4859SSRIB	STX,B	AC,P5V	98	202.2	15.4	1	34.3	605	6
REA	4A972-RIB	STX,B	AC,P5V	97	201.8	14.1	1	34.8	605	7
Renk	RK591GTCBLLRWBL/3111A	CM,C2	CM,C2	99	201.5	15.8	1	34.4	600	8
Pioneer	P9917AMX GC	AMX,B	MQ,C2	99	199.4	15.0	1	34.3	598	9
NuTech/G2 Gen	5F-198^	AM,B	MQ,P5V	98	198.9	13.3	1	34.8	597	10
Dyna-Gro	D37SS60	STX	AC,P5V	97	198.3	15.3	1	32.9	593	11
Federal	5050SSTAX	STX	AC,P5V	100	197.8	15.0	1	33.9	593	12
Federal	4640VT3P	VT3P	AC,P2	96	197.2	15.8	1	34.3	588	16
Wensman	W 70975VT3PRIB	VT3P,B	AC,P5V	97	196.7	14.7	1	33.9	590	13
Titan Pro	TP 39-00 SS	STX,B	AC,P5V	100	196.7	15.3	1	35.3	589	14
Viking	VS96-578	VT3P,B	AC,P2	96	196.4	14.9	1	34.8	589	15
Titan Pro	1M96-3P	VT3P	AC,P2	96	195.9	15.4	1	34.4	586	17
Latham	LH5096VT3PRORIB	VT3P,B	AC,P2	100	195.6	15.7	1	34.8	583	19
Wensman	W 90979STX	STX	AC,P5V	97	195.2	15.4	1	32.9	584	18
Dekalb	DKC47-35RIB GC	STX,B	AC,P5V	97	194.7	16.8	1	32.9	575	27
Channel	197-68STXRIB GC	STX,B	AC,P5V	97	194.5	15.7	1	36.3	580	20
Prairie Brand	4895GT3	3000GT	CM,C2	98	194.1	15.7	1	33.9	579	21
Curry	417-91 GC	HXT,RR2	MQ,P5V,R	97	194.0	15.8	1	32.9	578	22
Titan Pro	TP 39-98 SS	STX,B	AC,P5V	98	192.7	14.5	1	34.3	578	23
ProSeed	PX496SSRIB	STX,B	AC,P2	96	192.3	14.4	1	36.3	577	24
ProSeed	1397SSRIB	STX,B	AC,P2	97	192.1	14.8	1	33.4	576	25
Dekalb	DKC48-12RIB GC	STX,B	AC,P5V	98	192.0	14.4	1	36.3	576	26
Renk	RK596SSTX	STX	AC,P2	98	191.6	15.2	1	33.9	574	29
Latham	LH4645VT2PRORIB	VT2P,B	AC,P5V	96	191.5	13.9	1	34.3	575	28
Thunder	7396VT2PRIB	VT2P,B	AC,P2	96	191.0	14.3	1	34.3	573	30
Pioneer	P9834AMX CK	AMX,B	MQ,C2	98	187.4	14.0	1	34.8	562	38

Test Average = **192.0** **15.1** **1** **34.3** **574**

LSD (0.10) = 13.8 0.6 ns

LSD (0.25) = 9.6 0.4 ns

C.V. = 5.3 2.8

Mark Tollefson

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

**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:** *This area missed the big rains in June that was common at my other test locations. June and July monthly rainfall totals were below the 30-year average. Scott has been a little disappointed with yields and attributed it to lack of early season rainfall. We still managed to find good yields and test results this year. Plants were tall, 8 feet and higher. Stalks were thick and tough at harvest.*

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2014 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/Scherr	VPmx RL4616HBW^	HX,RR2	MQ,P5	94	Titan Pro	TP 48-93 2P	VT2P,B	AC,P2	93
AgVenture/Scherr	VPmx RL5015YHBW^	OIX	MQ,P5	94	Viking	E52-95R	VT2P,B	AC,P2	95
Dairyland	DS9093	3122	CM,C2	93	Viking	VS91-591	VT2P,B	AC,P2	91
Dairyland	DS9694RA	STX,B	CM,C2	94	Viking	VS92-110	VT2P,B	AC,P2	92
Dairyland	DS9791RA	STX,B	CM,C2	91	Viking	VS94-571	VT2P,B	AC,P2	94
Dekalb	DKC43-48RIB GC	VT3P,B	AC,P2	93	Wensman	W 80952VT2RIB	VT2P,B	AC,P5V	95
Federal	4240VT2P	VT2P	AC,P2	92	Wensman	W 90910STXRIB	STX,B	AC,P5V	91
Federal	4440VT3PRIB	VT3P,B	AC,P2	94	Wensman	W 90935STXRIB	STX,B	AC,P5V	93
Federal	4520VT3PRIB	VT3P,B	AC,P2	95	Wensman	W 90941STX	STX	AC,P5V	94
Federal	4540VT3P	VT3P	AC,P2	95					
Latham	LH4098VT3PRORIB	VT3P,B	AC,P2	90					
Latham	LH4242VT2PRORIB	VT2P,B	AC,P5V	92					
Latham	LH4455VT3PRORIB	VT3P,B	AC,P2	94					
Latham	LH4568VT3PRORIB	VT3P,B	AC,P2	95					
Mustang	4695GENVT3P GC	VT3P,B	AC,P2V	95					
Nuseed	9001VP3220	3220,B	CM,C2	90					
Nuseed	9304VT2P	VT2P	AC,P2	93					
Nuseed	9504VT3PRIB	VT3P,B	AC,P2	95					
NuTech	5V-195	3111	CM,C2	95					
NuTech/G2 Gen	5F-091^	AM,B	MQ,P5V	91					
NuTech/G2 Gen	5X-894^	HXT,RR2	MQ,P5V	94					
Pioneer	P9305AM GC	AM,B	MQ,C2	93					
Pioneer	P9834AMX CK	AMX,B	MQ,C2	98					
Prairie Brand	4284RA	STX,B	CM,C2	93					
Prairie Brand	4594GT3	3000GT	CM,C2	96					
ProSeed	1191VT2PRIB	VT2P,B	AC,P2	91					
ProSeed	1193VT3PRIB	VT3P,B	AC,P2	93					
ProSeed	1292VT2PRIB	VT2P,B	AC,P2	92					
ProSeed	1393VT2PRIB	VT2P,B	AC,P2	93					
REA	4A942-RIB	STX,B	AC,P5V	94					
REA	4B285-RIB	VT2P,B	AC,P5V	93					
REA	4B941-RIB	VT2P,B	AC,P5V	94					
REA	4V953-RIB	VT3P,B	AC,P5V	95					
Renk	RK522SSTX	STX,B	AC,P2	94					
Renk	RK557SSTX	STX,B	AC,P2	95					
Renk	RK568VT3P	VT3P,B	AC,P2	95					
Rob-See-Co	Innotech IC4286^	3220,B	CM,C2	92					
Stine	R9209VT2Pro	VT2P,B	AC,P2	92					
Stine	R9313VT2Pro	VT2P,B	AC,P2	95					
Terning Seeds	TS8199VT2P	VT2P	CM,C2	91					
Thunder	4391VT2PRIB	VT2P,B	AC,P2	91					
Thunder	7993VT2PRIB	VT2P,B	AC,P2	93					
Thunder	9595VT3PRIB	VT3P,B	AC,P2	95					
Titan Pro	2M91-2P	VT2P,B	AC,P2	91					
Titan Pro	2M95-2P	VT2P,B	AC,P2	95					

2014 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/Scherr	VPmx RL5671AM^	AM,B	MQ,P5	99	Thunder	7396VT2PRIB	VT2P,B	AC,P2	96
AgVenture/Scherr	VPmx RL5718HBW^	HX,RR2,AQ	MQ,P5	99	Titan Pro	1M96-3P	VT3P	AC,P2	96
Channel	197-68STXRIB GC	STX,B	AC,P5V	97	Titan Pro	TP 39-00 SS	STX,B	AC,P5V	100
Channel	199-29STXRIB GC	STX,B	AC,P5V	99	Titan Pro	TP 39-98 SS	STX,B	AC,P5V	98
Curry	417-91 GC	HXT,RR2	MQ,P5V,R	97	Viking	VS96-578	VT3P,B	AC,P2	96
Dairyland	DS9900SSX	STX	CM,C2	99	Wensman	W 70975VT3PRIB	VT3P,B	AC,P5V	97
Dekalb	DKC47-35RIB GC	STX,B	AC,P5V	97	Wensman	W 90967STXRIB	STX,B	AC,P5V	96
Dekalb	DKC48-12RIB GC	STX,B	AC,P5V	98	Wensman	W 90979STX	STX	AC,P5V	97
Dekalb	DKC49-29RIB GC	STX,B	AC,P5V	99	Wensman	W 9288STXRIB	STX,B	AC,P5V	98
Dyna-Gro	D37SS60	STX	AC,P5V	97					
Dyna-Gro	D39VP14	VT3P	AC,P5V	99					
Federal	4640VT3P	VT3P	AC,P2	96					
Federal	5050SSTAX	STX	AC,P5V	100					
King	5650-3000GT	3000GT	CM,C2	96					
King	5800-3000GTA	3011A	CM,C2	98					
Latham	LH4645VT2PRORIB	VT2P,B	AC,P5V	96					
Latham	LH4859SSRIB	STX,B	AC,P5V	98					
Latham	LH4955VT2PRORIB	VT2P,B	AC,P5V	99					
Latham	LH5096VT3PRORIB	VT3P,B	AC,P2	100					
Nuseed	3014VT2P	VT2P	AC,P2	101					
Nuseed	9904VT2P	VT2P	AC,P2	99					
NuTech/G2 Gen	5F-198^	AM,B	MQ,P5V	98					
NuTech/G2 Gen	5F-399^	AM,B	MQ,P5V	99					
NuTech/G2 Gen	5X-698^	HXT,RR2,AC	MQ,P5V	98					
NuTech/G2 Gen	5Y-196^	OIX	MQ,P1V,R	96					
Pioneer	P0062AMX GC	AMX,AQ,B	MQ,C2	100					
Pioneer	P9834AMX CK	AMX,B	MQ,C2	98					
Pioneer	P9917AMX GC	AMX,B	MQ,C2	99					
Prairie Brand	4895GT3	3000GT	CM,C2	98					
Prairie Brand	4995SX	STX	CM,C2	99					
ProSeed	1396VT3PRIB	VT3P,B	AC,P2	96					
ProSeed	1397SSRIB	STX,B	AC,P2	97					
ProSeed	1399-3000GT	3000GT	CM,C2	99					
ProSeed	PX496SSRIB	STX,B	AC,P2	96					
REA	4A654-RIB	STX,B	AC,P5V	96					
REA	4A972-RIB	STX,B	AC,P5V	97					
REA	5A992-RIB	STX,B	AC,P5V	99					
REA	5A993-RIB	STX,B	AC,P5V	99					
Renk	RK581SSTX	STX,B	AC,P2	100					
Renk	RK591GTCBLLRWBLA	3111A	CM,C2	99					
Renk	RK596SSTX	STX	AC,P2	98					
Renk	RK605SSTX	STX	AC,P2	100					
Rob-See-Co	Innotech IC4903^	3111A	CM,C2	99					
Stine	R9417VT3Pro	VT3P,B	AC,P2	98					
Thunder	103-97SSRIB	STX,B	AC,P2	97					

## 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	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® (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.