

2014 Corn Grain Top 30 Harvest Report

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



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

PREV. CROP/HERB: Soybean / Roundup PowerMax, Select Max, Valor
 SOIL DESCRIPTION: Houdek-Prosper sandy loam, poor drained, no-till, non-irrigated
 SOIL CONDITION: Moderate P, high K, 5.7 pH, 1.9% OM
 PEST MANAGEMENT: Force, Roundup PowerMax, Harness Xtra
 FERTILITY - Applied N: 92 Fall, 50 Spring
 Applied N-P-K (units): 142-50-0
 SEEDED - RATE - ROW: May 17 34,000 /A 30" spacing
 HARVESTED - STAND: Nov 4 33,600 /A

Early-Season Test

91 - 95 Day CRM
 B2014SDNE08a

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
Wensman	W 90941STX	STX	AC,P5V	94	197.1	12.3	2	31.4	591	1
REA	4V953-RIB	VT3P,B	AC,P5V	95	195.3	12.5	2	33.4	586	2
Stine	R9313VT2Pro	VT2P,B	AC,P2	95	194.8	12.4	1	34.8	584	3
Titan Pro	2M95-2P	VT2P,B	AC,P2	95	193.6	13.3	2	34.8	581	4
Latham	LH4242VT2PRORIB	VT2P,B	AC,P5V	92	193.4	12.6	1	33.9	580	5
Prairie Brand	4284RA	STX,B	CM,C2	93	190.5	12.6	1	33.9	572	6
Federal	4240VT2P	VT2P	AC,P2	92	189.2	12.7	1	33.4	568	7
REA	4B941-RIB	VT2P,B	AC,P5V	94	188.6	12.8	1	33.9	566	8
Thunder	9595VT3PRIB	VT3P,B	AC,P2	95	188.5	12.5	1	32.4	566	9
Viking	E52-95R	VT2P,B	AC,P2	95	188.0	13.1	1	32.9	564	10
Viking	VS92-110	VT2P,B	AC,P2	92	187.6	12.2	1	33.4	563	11
Viking	VS91-591	VT2P,B	AC,P2	91	186.2	12.0	2	34.3	559	12
Nuseed	9304VT2P	VT2P	AC,P2	93	185.4	12.5	1	33.4	556	13
Mustang	4695GENVT3P GC	VT3P,B	AC,P2V	95	185.4	12.7	2	33.9	556	14
Renk	RK568VT3P	VT3P,B	AC,P2	95	184.8	12.9	2	34.8	554	15
REA	4B285-RIB	VT2P,B	AC,P5V	93	183.4	12.1	1	33.4	550	16
ProSeed	1292VT2PRIB	VT2P,B	AC,P2	92	183.4	12.0	2	32.9	550	17
Renk	RK522SSTX	STX,B	AC,P2	94	182.6	12.6	1	34.3	548	18
ProSeed	1191VT2PRIB	VT2P,B	AC,P2	91	182.6	11.9	2	32.4	548	19
Federal	4540VT3P	VT3P	AC,P2	95	181.8	12.7	1	34.8	545	20
Thunder	7993VT2PRIB	VT2P,B	AC,P2	93	181.7	12.4	1	33.9	545	21
Latham	LH4455VT3PRORIB	VT3P,B	AC,P2	94	181.7	12.9	2	33.9	545	22
Wensman	W 80952VT2RIB	VT2P,B	AC,P5V	95	181.2	12.2	1	34.8	544	23
Stine	R9209VT2Pro	VT2P,B	AC,P2	92	180.3	12.4	1	32.9	541	24
Federal	4440VT3PRIB	VT3P,B	AC,P2	94	178.9	13.1	1	32.9	537	25
AgVenture/Scherr	VPmx RL5015YHBW^	OIX	MQ,P5	94	178.7	11.7	1	33.4	536	26
Nuseed	9504VT3PRIB	VT3P,B	AC,P2	95	178.5	12.1	1	33.4	536	27
Dekalb	DKC43-48RIB GC	VT3P,B	AC,P2	93	177.3	12.4	1	31.9	532	28
Dairyland	DS9791RA	STX,B	CM,C2	91	177.1	12.3	1	33.9	531	29
ProSeed	1193VT3PRIB	VT3P,B	AC,P2	93	177.0	12.7	1	33.8	531	30
Pioneer	P9834AMX CK	AMX,B	MQ,C2	98	164.3	12.0	4	33.9	493	44

Test Average = **176.3** **12.4** **1** **33.6** **529**

LSD (0.10) = 20.5 0.5 ns

LSD (0.25) = 14.3 0.3 ns

C.V. = 8.6 2.9

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: For the first time this year, we saw a small amount of stalks had greensnapped earlier in the season but only 1-5% of plants were impacted and only in the early-season test. May, June and July had below average monthly rainfall totals. August rainfall was slightly above average. At harvest time, leaves on much of the corn had blown off. Plant height was around 6 feet tall for most hybrids.

† 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: Moderate P, high K, 5.7 pH, 1.9% OM
PEST MANAGEMENT: Force, Roundup PowerMax, Harness Xtra
FERTILITY - Applied N: 92 Fall, 50 Spring
Applied N-P-K (units): 142-50-0
SEEDED - RATE - ROW: May 17 34,000 /A 30" spacing
HARVESTED - STAND: Nov 4 33,500 /A

Full-Season Test
96 - 100 Day CRM
B2014SDNE08b

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
King	5800-3000GTA	3011A	CM,C2	98	200.2	13.0	2	33.4	601	1
ProSeed	1399-3000GT	3000GT	CM,C2	99	188.8	13.5	1	32.9	566	2
Pioneer	P0062AMX GC	AMX,AQ,B	MQ,C2	100	186.6	12.4	1	35.3	560	3
Renk	RK591GTCBLRWBL^ 3111A	CM,C2	CM,C2	99	182.6	13.7	5	32.9	548	4
AgVenture/Scherr	VPmx RL5718HBW^	HX,RR2,AQ	MQ,P5	99	182.3	14.4	1	34.8	547	5
Dyna-Gro	D37SS60	STX	AC,P5V	97	181.5	13.5	1	33.9	545	6
Pioneer	P9917AMX GC	AMX,B	MQ,C2	99	180.4	13.1	1	34.3	541	7
NuTech/G2 Gen	5F-399^	AM,B	MQ,P5V	99	179.6	12.8	1	34.3	539	8
Dekalb	DKC48-12RIB GC	STX,B	AC,P5V	98	178.8	12.8	1	34.3	536	9
Prairie Brand	4895GT3	3000GT	CM,C2	98	178.6	13.3	1	34.8	536	10
REA	4A972-RIB	STX,B	AC,P5V	97	178.4	13.0	1	33.9	535	11
Wensman	W 9288STXRIB	STX,B	AC,P5V	98	178.4	13.2	1	33.9	535	12
Dairyland	DS9900SSX	STX	CM,C2	99	177.9	12.3	3	34.8	534	13
Viking	VS96-578	VT3P,B	AC,P2	96	177.3	13.4	1	33.9	532	14
Thunder	7396VT2PRIB	VT2P,B	AC,P2	96	176.7	12.3	1	34.3	530	15
Federal	5050SSTAX	STX	AC,P5V	100	176.1	13.1	1	33.9	528	16
REA	5A992-RIB	STX,B	AC,P5V	99	176.0	12.9	1	33.4	528	17
Nuseed	3014VT2P	VT2P	AC,P2	101	175.7	13.7	2	34.8	527	18
Latham	LH4645VT2PRORIB	VT2P,B	AC,P5V	96	175.6	12.1	1	32.9	527	19
ProSeed	1396VT3PRIB	VT3P,B	AC,P2	96	175.4	13.5	2	35.3	526	21
Renk	RK605SSTX	STX	AC,P2	100	174.0	13.3	2	34.4	522	22
REA	5A993-RIB	STX,B	AC,P5V	99	173.5	14.5	1	34.4	521	23
Dyna-Gro	D39VP14	VT3P	AC,P5V	99	172.7	14.3	2	30.0	518	24
Wensman	W 70975VT3PRIB	VT3P,B	AC,P5V	97	171.3	13.0	1	32.9	514	25
AgVenture/Scherr	VPmx RL5671AM^	AM,B	MQ,P5	99	170.9	13.8	1	32.9	513	26
Renk	RK581SSTX	STX,B	AC,P2	100	170.3	14.2	1	31.5	511	27
Curry	417-91 GC	HXT,RR2	MQ,P5V,R	97	169.2	13.6	1	34.8	508	28
NuTech/G2 Gen	5F-198^	AM,B	MQ,P5V	98	169.1	11.8	1	34.4	507	29
Titan Pro	TP 39-00 SS	STX,B	AC,P5V	100	168.7	13.5	1	33.9	506	30
NuTech/G2 Gen	5Y-196^	OIX	MQ,P1V,R	96	168.2	12.1	1	33.9	505	31
Pioneer	P9834AMX CK	AMX,B	MQ,C2	98	175.4	12.1	2	33.9	526	20

Mark Tollefson

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Test Average = **169.7** **13.1** **1** **33.5** **509**
LSD (0.10) = 20.7 0.6 1
LSD (0.25) = 14.4 0.4 1
C.V. = 9.0 3.6

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

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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. VPMa ^x ® 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®, VPMa ^x ® 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® TRIsect® (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.