

2014 Corn Grain Top 30 Harvest Report
 South Dakota Northeast [SDNE] WATERTOWN
 Myron Keltgen, Codington County, SD 57201



PREV. CROP/HERB: Soybean / Roundup
 SOIL DESCRIPTION: Poinsett-Buse-Waubay silty clay loam, mod. well drained, conventional w/ fall till, non-irrigated
 SOIL CONDITION: Mod. Low P, moderate K, 8 pH, 3% OM
 PEST MANAGEMENT: Force, Harness Xtra, atrazine, Callisto
 FERTILITY - Applied N: 140 Spring
 Applied N-P-K (units): 140-56-40
 SEEDED - RATE - ROW: May 15 33,000 /A 30" spacing
 HARVESTED - STAND: Nov 1 33,200 /A

Early-Season Test
91 - 95 Day CRM
 B2014SDNE10a

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
Federal	4540VT3P	VT3P	AC,P2	95	218.7	16.4	1	33.4	648	2
Viking	VS91-591	VT2P,B	AC,P2	91	217.1	15.1	1	34.8	651	1
Titan Pro	TP 48-93 2P	VT2P,B	AC,P2	93	217.0	17.0	1	32.4	640	4
Stine	R9313VT2Pro	VT2P,B	AC,P2	95	216.7	15.5	1	33.4	647	3
Viking	E52-95R	VT2P,B	AC,P2	95	216.5	17.0	1	32.9	639	5
REA	4B941-RIB	VT2P,B	AC,P5V	94	215.0	16.2	1	32.4	639	6
Viking	VS92-110	VT2P,B	AC,P2	92	214.4	16.6	1	33.9	635	7
Federal	4240VT2P	VT2P	AC,P2	92	214.2	16.5	1	34.3	635	8
Federal	4440VT3PRIB	VT3P,B	AC,P2	94	211.7	16.5	1	33.8	627	11
Latham	LH4568VT3PRORIB	VT3P,B	AC,P2	95	211.6	16.5	1	34.8	627	12
ProSeed	1191VT2PRIB	VT2P,B	AC,P2	91	211.2	14.6	1	32.9	634	9
Wensman	W 80952VT2RIB	VT2P,B	AC,P5V	95	210.9	15.8	1	34.3	628	10
Mustang	4695GENVT3P GC	VT3P,B	AC,P2V	95	210.2	16.9	2	33.9	621	14
AgVenture/Scherr	VPmx RL5015YHBW^	OIX	MQ,P5	94	208.4	15.2	1	33.4	624	13
Thunder	7993VT2PRIB	VT2P,B	AC,P2	93	207.7	16.4	1	33.4	616	18
Titan Pro	2M91-2P	VT2P,B	AC,P2	91	207.6	15.3	1	33.9	621	16
Federal	4520VT3PRIB	VT3P,B	AC,P2	95	206.7	14.7	2	33.4	620	17
Wensman	W 90935STXRIB	STX,B	AC,P5V	93	205.1	15.5	1	32.9	613	21
Viking	VS94-571	VT2P,B	AC,P2	94	205.0	16.6	1	33.4	607	23
REA	4B285-RIB	VT2P,B	AC,P5V	93	204.9	15.0	1	33.8	615	19
NuTech/G2 Gen	5F-091^	AM,B	MQ,P5V	91	204.7	14.9	1	32.9	614	20
Thunder	4391VT2PRIB	VT2P,B	AC,P2	91	204.3	15.6	1	33.4	610	22
Stine	R9209VT2Pro	VT2P,B	AC,P2	92	202.8	16.5	1	32.4	601	26
Latham	LH4455VT3PRORIB	VT3P,B	AC,P2	94	202.5	16.1	2	31.4	602	25
Terning Seeds	TS8199VT2P	VT2P	CM,C2	91	202.3	16.7	1	34.3	598	27
REA	4V953-RIB	VT3P,B	AC,P5V	95	201.4	14.9	1	33.8	604	24
Renk	RK522SSTX	STX,B	AC,P2	94	201.2	16.4	1	35.3	597	28
Titan Pro	2M95-2P	VT2P,B	AC,P2	95	200.7	16.8	1	32.9	593	30
Wensman	W 90941STX	STX	AC,P5V	94	200.2	16.1	1	32.4	595	29
Renk	RK568VT3P	VT3P,B	AC,P2	95	198.2	16.0	1	33.4	590	31
Pioneer	P9834AMX CK	AMX,B	MQ,C2	98	208.3	15.7	1	31.0	621	15

Mark Tollefson

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

Test Average = **201.2** **16.1** **1** **33.2** **598**
 LSD (0.10) = 17.4 0.7 ns
 LSD (0.25) = 12.1 0.5 ns
 C.V. = 6.4 3.4

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 was a nice even test at harvest, most tassels and tops of the stalks standing tall at harvest time with many hybrids over eight feet tall. A September 14th frost, damaged the leaves but didn't kill the stalks. The grain moistures have been slow to come down this year despite having some dry weather in October. We found good yields and grain moistures in these trials.*

† 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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 FERTILITY - Applied N: 140 Spring
 Applied N-P-K (units): 140-56-40
 SEED - RATE - ROW: May 15 33,000 /A 30" spacing
 HARVESTED - STAND: Nov 1 31,400 /A

Full-Season Test
96 - 100 Day CRM
 B2014SDNE10b

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
Dyna-Gro	D37SS60	STX	AC,P5V	97	213.2	16.6	1	31.0	631	1
Federal	4640VT3P	VT3P	AC,P2	96	211.8	16.1	1	31.0	630	2
ProSeed	1399-3000GT	3000GT	CM,C2	99	206.9	17.8	1	31.9	606	4
Titan Pro	TP 39-00 SS	STX,B	AC,P5V	100	205.8	17.3	1	31.4	606	5
Latham	LH4955VT2PRORIB	VT2P,B	AC,P5V	99	205.7	17.2	1	31.9	606	6
NuTech/G2 Gen	5F-198^	AM,B	MQ,P5V	98	205.5	15.5	1	29.0	614	3
Prairie Brand	4895GT3	3000GT	CM,C2	98	204.4	17.3	1	32.9	601	7
Titan Pro	1M96-3P	VT3P	AC,P2	96	203.2	16.9	1	31.0	600	8
Renk	RK596SSTX	STX	AC,P2	98	202.9	17.4	1	31.4	597	9
Latham	LH4859SSRIB	STX,B	AC,P5V	98	201.8	17.7	1	32.4	592	11
REA	5A992-RIB	STX,B	AC,P5V	99	201.4	17.4	1	29.5	592	12
Dekalb	DKC47-35RIB GC	STX,B	AC,P5V	97	200.2	18.0	1	30.9	586	16
Viking	VS96-578	VT3P,B	AC,P2	96	199.7	16.7	1	33.4	591	14
Wensman	W 90967STXRIB	STX,B	AC,P5V	96	198.6	16.4	1	30.0	589	15
Latham	LH4645VT2PRORIB	VT2P,B	AC,P5V	96	197.9	15.1	1	32.9	593	10
Pioneer	P9917AMX GC	AMX,B	MQ,C2	99	197.8	17.1	1	30.5	583	19
NuTech/G2 Gen	5Y-196^	OIX	MQ,P1V,R	96	197.5	15.2	2	30.0	592	13
Curry	417-91 GC	HXT,RR2	MQ,P5V,R	97	197.4	17.2	1	30.0	581	20
Dekalb	DKC49-29RIB GC	STX,B	AC,P5V	99	197.1	16.3	1	30.9	585	17
Federal	5050SSTAX	STX	AC,P5V	100	195.3	16.6	1	30.9	578	21
Thunder	103-97SSRIB	STX,B	AC,P2	97	195.1	15.3	1	31.9	584	18
Dyna-Gro	D39VP14	VT3P	AC,P5V	99	194.8	18.0	1	32.9	570	26
AgVenture/Scherr	VPmx RL5718HBW^	HX,RR2,AQ	MQ,P5	99	194.2	18.4	1	31.9	566	29
ProSeed	1397SSRIB	STX,B	AC,P2	97	194.0	16.4	1	31.4	575	24
Dekalb	DKC48-12RIB GC	STX,B	AC,P5V	98	193.1	15.7	1	30.5	576	23
NuTech/G2 Gen	5X-698^	HXT,RR2,AC	MQ,P5V	98	192.9	16.5	1	31.0	571	25
Thunder	7396VT2PRIB	VT2P,B	AC,P2	96	192.7	14.5	1	30.9	578	22
Wensman	W 70975VT3PRIB	VT3P,B	AC,P5V	97	192.3	17.0	1	32.4	567	28
Renk	RK605SSTX	STX	AC,P2	100	192.0	16.7	1	29.0	568	27
King	5650-3000GT	3000GT	CM,C2	96	188.9	15.1	1	31.9	566	30
Pioneer	P9834AMX CK	AMX,B	MQ,C2	98	177.9	15.9	1	32.4	530	45

Test Average = **191.5** 16.7 1 31.4 566
 LSD (0.10) = 15.3 1.0 ns
 LSD (0.25) = 10.7 0.7 ns
 C.V. = 5.9 4.2

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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/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® 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.