

2018 Corn Grain Top 30 Harvest Report

South Dakota Northeast [SDNE] ARLINGTON

Tim Bjorklund, Brookings County, SD 57212



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

PREV. CROP/HERB: Soybean / Roundup, Durango, Sonic, Sharpen
 SOIL DESCRIPTION: Poinsett-Buse-Waubay silty clay loam, well drained, non-irrigated
 SOIL CONDITION: No-till, very high P, high K, 5.6 pH, 4.6% OM, 29.5 CEC
 PEST MANAGEMENT: Force, SureStart, Durango, atrazine, Bellum
 FERTILITY - Applied N: 184 Spring
 Applied N-P-K (units): 184-78-75
 SEEDED - RATE - ROW: May 17 32,500 /A 30" spacing
 HARVESTED - STAND: Nov 11 30,900 /A

Early-Season Test

91 - 95 Day CRM

B2018SDNE06a

Top 30 of 45

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
Titan Pro	82-95 2P	VT2P,B	95	225.9	20.4	1	31.5	647	1
Federal	4470VT2PRIB	VT2P,B	94	222.6	20.4	1	27.6	638	2
LG Seeds	LG44C27VT2PRO	VT2P	94	219.0	20.3	1	30.5	628	3
Heine	6200VT2PRORIB	VT2P,B	95	218.4	20.8	1	31.0	624	5
Latham	LH4437VT2ProRIB	VT2P,B	94	218.3	20.5	1	30.5	625	4
Renk	RK433RR	RR2	92	217.9	21.2	1	30.0	620	6
Latham	LH4517VT2Pro	VT2P	95	216.3	20.6	1	31.9	619	7
Proseed	1794VT2PRIB	VT2P,B	94	215.7	20.7	1	30.5	616	9
Thunder	6791VT2P	VT2P,B	91	215.1	20.3	1	29.0	617	8
Mustang	2291VT2PRIB	VT2P,B	91	214.0	20.3	1	32.4	614	10
Thunder	6794VT2P	VT2P,B	94	213.8	21.2	1	30.0	608	11
Hefty	H4322VT2P	VT2P	93	212.1	20.6	1	32.4	607	12
NuTech	E5GN-A395	3110	95	212.0	20.4	1	30.0	607	13
Titan Pro	2M95-2P	VT2P,B	95	211.5	20.3	1	32.4	606	14
Latham	LH4187VT2Pro	VT2P	91	210.6	20.3	1	33.4	604	15
Federal	4580VT2PRIB	VT2P,B	95	210.6	20.8	1	30.0	601	17
Mustang	3294VT2PRIB	VT2P,B	94	210.3	20.5	1	30.5	602	16
Renk	RK568VT2P	VT2P,B	94	209.3	20.6	1	30.5	599	18
Heine	600VT2PRO	VT2P	91	208.4	20.0	1	31.5	599	19
Thunder	6993VT2P	VT2P	93	208.1	20.4	1	31.5	596	21
REA	4B931-RIB	VT2P,B	93	207.7	20.1	1	32.4	597	20
Hefty	H4522VT2P	VT2P	95	207.1	21.5	1	31.5	588	25
Federal	4190VT2P	VT2P	91	206.6	20.3	1	29.0	592	23
Golden Harvest	G95D32-3220-EZR	3220,B	95	205.8	21.3	1	31.5	585	26
Renk	8-536VT2P	VT2P	94	205.4	20.3	1	32.4	589	24
Dairyland	DS-7294A	3220	94	204.4	21.6	1	31.5	579	28
REA	3B923	VT2P,B	92	204.0	20.5	1	29.5	584	27
Titan Pro	TP 58-95 SS	STX,B	95	203.7	21.6	1	30.0	577	29
Hefty	H4324SS	STX	93	201.5	20.5	1	31.9	577	30
Pioneer	P9188AMX GC	AMX,B	91	201.5	20.7	1	32.4	576	31
Dekalb	DKC46-36RIB CK	STX,B	96	207.8	20.7	1	31.5	594	22

Averages = **205.9** **20.6** **1** **30.9** **589**

LSD (0.10) = 13.4 0.4 ns

LSD (0.25) = 7.0 0.2 ns

C.V. = 6.2 Prev. years average yield, 180.0 bu/a, 6 yrs

Mark Tollefson

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

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

Test Comments: V4 stage plants from this mid-May seeded corn struggled in the second half of June. The plot and surrounding field looked like it could use a boost. Perhaps the dry conditions limited nutrient uptake. At harvest, stalk health and weed control were good. The yield level was pleasing considering the slow start. Tim, our plot host, had not experienced this before and plans prevent it in the future.

† 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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PEST MANAGEMENT: Force, SureStart, Durango, atrazine, Bellum
FERTILITY - Applied N: 184 Spring
Applied N-P-K (units): 184-78-75
SEDED - RATE - ROW: May 17 32,500 /A 30" spacing
HARVESTED - STAND: Nov 11 30,500 /A

Full-Season Test
96 - 100 Day CRM
B2018SDNE06b

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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
Heine	7000VT2PRO	VT2P	100	224.6	21.3	1	30.0	638	1
Latham	LH5025VT2ProDGRIB	VT2P,DG,B	100	223.0	20.7	1	30.5	637	3
Renk	RK608DGV2P	VT2P,DG,B	100	222.6	20.4	1	31.0	638	2
Thunder	6996VT2P	VT2P	96	220.4	20.5	1	31.0	631	4
Proseed	1898VT2PRIB	VT2P,B	98	219.3	20.3	1	31.5	629	5
Latham	LH4657VT2ProRIB	VT2P,B	96	218.8	20.6	1	31.0	626	6
Latham	LH4937VT2Pro	VT2P	99	218.0	20.2	1	31.0	626	7
Heine	6360VT2PRO	VT2P	97	217.6	20.2	1	31.5	625	8
Renk	RK587VT2P	VT2P,B	97	217.3	20.5	1	29.0	622	9
Titan Pro	TP 71-98 2P	VT2P,B	98	216.2	20.8	1	30.5	617	10
Hefty	H4922VT2P	VT2P	99	215.1	20.4	1	31.0	616	11
LG Seeds	LG46C73VT2PRORIB	VT2P,B	96	214.4	20.5	1	31.5	614	12
Heine	6500VT2PRO	VT2P	99	213.7	20.5	1	31.0	612	13
Mustang	4297VT2PRIB	VT2P,B	97	212.6	20.6	1	29.5	608	15
Thunder	7800DGV2P	VT2P,DG,B	100	212.5	20.9	1	30.5	606	17
Dyna-Gro	CX17100VC	VT2P	100	212.2	20.1	1	31.0	610	14
Heine	6350VT2PRO	VT2P	97	212.2	20.4	1	30.0	608	16
Hefty	H5024SS	STX	100	211.7	20.6	1	31.5	605	18
LG Seeds	LG5465VT2RIB	VT2P,B	97	211.5	21.2	1	29.5	602	19
NK Brand	NK9659-3120-EZR	3120,B	96	210.5	20.7	1	31.9	602	20
Federal	4880VT2PRIB	VT2P,B	98	209.2	20.3	1	31.5	600	22
Renk	RK579DGV2P	VT2P,DG	98	209.1	20.1	1	31.5	601	21
Titan Pro	TP 78-98 SS	STX,B	98	208.4	20.5	1	30.0	597	23
Pfister	60C2PC	PC	100	208.4	21.2	1	28.6	593	26
Federal	4990VT2P	VT2P	99	208.3	20.6	1	30.0	596	24
Latham	LH4795VT2Pro	VT2P	97	208.2	20.6	1	29.5	595	25
Dairyland	DS-9599	3000GT	99	206.5	20.8	1	31.5	590	27
Thunder	6999VT2P	VT2P	99	206.2	20.9	1	30.0	588	28
Federal	4770VT2PRIB	VT2P,B	97	204.7	20.6	1	31.0	585	30
NuTech/G2 Gen	5F-198	AM,B	98	203.5	19.6	4	27.6	587	29
Dekalb	DKC46-36RIB CK	STX,B	96	193.0	20.9	1	29.5	551	50

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Averages =	204.7	20.6	1	30.5	585
LSD (0.10) =	17.7	0.4	ns		
LSD (0.25) =	9.3	0.2	ns		
C.V. =	8.2	Prev. years average yield, 180.0 bu/a, 6 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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Early-Season Test Products (45 Total)

Company/Brand	Product/Brand	Technol.	Seed Trt.	RM	Company/Brand	Product/Brand	Technol.	Seed Trt.	RM
Dairyland	DS-7294A	3220	CM,C5,Vi,In	94					
Dekalb	DKC46-36RIB CK	STX,B	AC,P5V	96					
Federal	4185VT2PRIB	VT2P,B	AC,P2	91					
Federal	4190VT2P	VT2P	AC,P5V	91					
Federal	4470VT2PRIB	VT2P,B	AC,P2	94					
Federal	4580VT2PRIB	VT2P,B	AC,P2	95					
Golden Harvest	G89A09-3120-EZR	3120,B	AVC,C2,Vi	89					
Golden Harvest	G95D32-3220-EZR	3220,B	AVC,C2,Vi	95					
Golden Harvest	G95P13-3110	3110	AVC,C2,Vi	95					
Hefty	H4222VT2P	VT2P	HC	92					
Hefty	H4322VT2P	VT2P	HC	93					
Hefty	H4324SS	STX	HC	93					
Hefty	H4522VT2P	VT2P	HC	95					
Heine	600VT2PRO	VT2P	AC,P5V	91					
Heine	6200VT2PRORIB	VT2P,B	AC,P2	95					
Heine	6320VT2PRO	VT2P	AC,P2	95					
Latham	LH4187VT2Pro	VT2P	AC,P5V	91					
Latham	LH4437VT2ProRIB	VT2P,B	AC,P2	94					
Latham	LH4454VT2ProRIB	VT2P,B	AC,P2	94					
Latham	LH4517VT2Pro	VT2P	AC,P5V	95					
LG Seeds	LG44C27VT2PRO	VT2P	AC,P5V	94					
Mustang	2291VT2PRIB	VT2P,B	AC,P2	91					
Mustang	3294VT2PRIB	VT2P,B	AC,P2	94					
NK Brand	NK9227-3220A-EZR	3220,A,B	AVC,C2,Vi	92					
NK Brand	NK9505-3110	3110	AVC,C2,Vi	95					
NuTech	5G-293	3110,A	MQ,P5V,R	93					
NuTech	E5GN-A395	3110	AVC,Vi	95					
Pioneer	P9188AMX GC	AMX,B	MQ,C2	91					
Pioneer	P9330AM GC	AM,B	MQ,C2,R,Lu	93					
Proseed	1591VT2PRIB	VT2P,B	AC,P2	91					
Proseed	1794VT2PRIB	VT2P,B	AC,P2	94					
REA	3B923	VT2P,B	AC,P2	92					
REA	4A953-RIB	STX,B	AC,P5V	95					
REA	4B931-RIB	VT2P,B	AC,P2	93					
Renk	8-536VT2P	VT2P	AC,P2	94					
Renk	RK433RR	RR2	AC,P2	92					
Renk	RK568VT2P	VT2P,B	AC,P2	94					
Thunder	6791VT2P	VT2P,B	AC,P2	91					
Thunder	6794VT2P	VT2P,B	AC,P2	94					
Thunder	6992VT2P	VT2P	AC,P5V	92					
Thunder	6993VT2P	VT2P	AC,P2	93					
Titan Pro	2M95-2P	VT2P,B	AC,P2	95					
Titan Pro	82-95 2P	VT2P,B	AC,P2	95					
Titan Pro	TP 48-93 2P	VT2P,B	AC,P2	93					
Titan Pro	TP 58-95 SS	STX,B	AC,P5V	95					

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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
Dairyland	DS-9599	3000GT	CM,C5,Vi,In	99	Renk	RK608DGV2P	VT2P,DG,B	AC,P2	100
Dairyland	RPM-3519YHR	OI	MQ,P5V,R	96	Thunder	6798VT2P	VT2P,B	AC,P2	98
Dairyland	RPM-3715AM	AM,B	MQ,P5V,R	96	Thunder	6996VT2P	VT2P	AC,P5V	96
Dairyland	RPM-4019AM	AM,B	CM,C2,R,Lu	99	Thunder	6999VT2P	VT2P	AC,P5V	99
Dekalb	DKC46-36RIB CK	STX,B	AC,P5V	96	Thunder	7800DGV2P	VT2P,DG,B	AC,P2	100
Dekalb	DKC50-08RIB GC	STX,B	AC,P5V	100	Titan Pro	86-96 2P	VT2P,B	AC,P5V	96
Dyna-Gro	CX17100VC	VT2P	AC,P5V	100	Titan Pro	TP 65-00 DG2P	VT2P,DG,B	AC,P2	100
Dyna-Gro	D39DC43 GC	VT2P,DG	AC,P5V	99	Titan Pro	TP 71-98 2P	VT2P,B	AC,P2	98
Federal	4680VT2PRIB	VT2P,B	AC,P2	96	Titan Pro	TP 78-98 SS	STX,B	AC,P5V	98
Federal	4770VT2PRIB	VT2P,B	AC,P2	97					
Federal	4880VT2PRIB	VT2P,B	AC,P2	98					
Federal	4990VT2P	VT2P	AC,P5V	99					
Golden Harvest	G00H12-3010	3010	AVC,C2,Vi	100					
Golden Harvest	G98B71-3010	3010	AVC,C2,Vi	98					
Hefty	H4724SS	STX	HC	97					
Hefty	H4912VT2PRIB	VT2P,B	HC	99					
Hefty	H4922VT2P	VT2P	HC	99					
Hefty	H5024SS	STX	HC	100					
Heine	6350VT2PRO	VT2P	AC,P2	97					
Heine	6360VT2PRO	VT2P	AC,P5V	97					
Heine	6500VT2PRO	VT2P	AC,P5V	99					
Heine	7000VT2PRO	VT2P	AC,P5V	100					
Latham	LH4657VT2ProRIB	VT2P,B	AC,P2	96					
Latham	LH4795VT2Pro	VT2P	AC,P5V	97					
Latham	LH4937VT2Pro	VT2P	AC,P5V	99					
Latham	LH5025VT2ProDGRIB	VT2P,DG,B	AC,P2	100					
LG Seeds	LG46C73VT2PRORIB	VT2P,B	AC,P5V	96					
LG Seeds	LG5465VT2RIB	VT2P,B	AC,P5V	97					
LG Seeds	LG5494VT2RIB	VT2P,B	AC,P5V	99					
Mustang	4296VT2PRIB	VT2P,B	AC,P2	96					
Mustang	4297VT2PRIB	VT2P,B	AC,P2	97					
Mustang	5299VT2PRIB	VT2P,B	AC,P2	99					
Mustang	5897SSRIB	STX,B	AC,P5V	97					
NK Brand	NK9659-3120-EZR	3120,B	AVC,C2,Vi	96					
NK Brand	NK9852-3010	3010	AVC,C2,Vi	98					
NuTech	5N-800	3011,A	MQ,P5V,R	100					
NuTech/G2 Gen	5F-198	AM,B	MQ,P5V,R	98					
Pfister	1785VA	3220	CM,C5,Vi,In	99					
Pfister	60B1SSR	STX,B	CM,C5,Vi,In	100					
Pfister	60C2PC	PC	CM,C5,Vi,In	100					
Proseed	1898VT2PRIB	VT2P,B	AC,P2	98					
REA	4B965	VT2P,B	AC,P2	97					
REA	5A982-RIB	STX,B	AC,P5V	98					
Renk	RK579DGV2P	VT2P,DG	AC,P2	98					
Renk	RK587VT2P	VT2P,B	AC,P2	97					

Footnotes and Abbreviation Descriptions

Brand Footnotes

^	Innotech™ brand seed is distributed by Rob-See-Co, LLC. Phoenix® brand seed is distributed by Advanta Seeds. Power Plus® brand seed is distributed by Burrus. Innotech™ and Phoenix® are trademarks of Syngenta. Power Plus® is a registered trademark of Corteva Agriscience.
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)	E	Enlist™ (2,4-D, glyphosate, fop herbicide tolerance)
3010	Agrisure® 3010 (CB,LL,GT)	GT	Agrisure® GT
3011,A	Agrisure® Artesian® (CB,RW,LL,GT)	HX	Herculex® 1, contains LL
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)
3120	Agrisure® 3120 (CB,HX,LL,GT)	LL	LibertyLink®
3122	Agrisure® 3122 (CB,HXX,RW,LL,GT)	None	conventional corn
3220	Agrisure® Viptera® 3220 (Vip,CB,HX,LL,GT)	OI	Optimum® Intrasect®, YHR (YGCB,HX,LL,RR2)
A	Agrisure® Artesian®	OIX	Optimum® Intrasect® Xtra, YXR (YGCB,HXT,LL,RR2)
AM	Optimum® AcreMax® (YGCB,HX,LL,RR2)	OIXT	Optimum® Intrasect® Xtreme (YGCB,HXT,RW,LL,RR2)
AMT	Optimum® AcreMax® TRIsect (HX,RW,LL,RR2)	PC	PowerCore™ (HX, VT2P)
AMX	Optimum® AcreMax® Xtra (YGCB,HXT,LL,RR2)	RR2	Roundup Ready® 2 Corn
AMXT	Optimum® AcreMax® Xtreme (YGCB,HXT,RW,LL,RR2)	RW	Agrisure® Rootworm
AQ	Optimum® AQUAMax®	STX	SmartStax® (VT3P,HXT,RR2,LL)
B	Refuge blend product	VT2P	Genuity® VT Double PRO®
CB	Agrisure® Corn Borer	VT3P	Genuity® VT Triple PRO®
DG	Genuity® DroughtGard®	YGCB	YieldGard® Corn Borer

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

Corn Seed Treatments**

?	information not provided	Lu	Lumivia™
A	Allegiance®	M	Maxim XL®
AC	Acceleron® fungicide products	MQ	Maxim Quattro®
AL2500	Alert 2500	None	untreated
At	Actellic®	P2, P5, P1	Poncho® at 0.25, 0.5 and 1.25 mg ai/seed, respectively
AVC	Avicta® Complete Corn	R	Raxil®
C2, C5, C1	Cruiser® at 0.25, 0.5 and 1.25 mg ai/seed, respectively	Sa	Sativa™
CE	Cruiser Extreme®	Se	Sebring™
CM	CruiserMaxx® Corn	Sn	Senator™
D	Dynasty®	Sp	Spirato™
Es	Escalate®	SC	SHIELDCoat™
HC	Hefty Complete	V	Votivo®
In	Intego™ Solo	Vi	Vibrance®
L	Lorsban®		

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