

**2018 Corn Grain Top 30 Harvest Report**

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



PREV. CROP/HERB: Soybean / Roundup PowerMax, Select Max, Valor, Flexstar  
SOIL DESCRIPTION: Houdek-Prospers sandy loam, moderately drained, non-irrigated  
SOIL CONDITION: Minimum w/o fall till, very low P, very high K, 5.7 pH, 2.3% OM, 15.6 CEC  
PEST MANAGEMENT: Force, Harness Xtra, Roundup (twice)  
FERTILITY - Applied N: 160 Spring  
Applied N-P-K (units): 160-50-40  
SEEDING - RATE - ROW: May 17 30,500 /A 30" spacing  
HARVESTED - STAND: Nov 13 27,600 /A

**Early-Season Test**  
**91 - 95 Day CRM**  
B2018SDNE03a

**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
Nevo	660V2PMS	V2P	91	155.6	17.4	1	27.6	240	1
NEA	3603	V2P	92	154.9	17.2	1	27.1	238	2
Federal	4400V2PMS	V2P	95	154.3	17.7	1	29.0	238	3
Federal	4100V2PMS	V2P	91	154.4	17.6	1	29.0	238	4
Nevo	6200V2PMS	V2P	95	154.1	17.5	1	28.0	235	5
Holly	H432V2P	V2P	92	153.2	17.5	1	28.1	232	6
Team Pro	TP 46 95 35	STX,B	95	147.7	17.5	1	27.5	207	8
Latham	LH400V2PMS	V2P	94	147.6	17.5	1	27.1	206	9
NEA	4403 800	STX,B	91	146.5	17.6	1	27.1	203	10
Proseed	151V2PMS	V2P	91	146.1	18.1	1	27.1	201	11
Nevo	6643MS	MS	95	145.1	17.5	1	26.1	200	12
Nevo	6100V2P	V2P	94	144.5	17.6	1	26.6	200	13
Latham	LH401V2PMS	V2P	95	143.7	17.3	1	26.1	204	14
Golden Harvest	GH13 3110	STX,B	95	143.4	17.4	1	26.6	202	15
Thunder	670V2P	V2P	91	143.3	17.6	1	27.6	200	16
Team Pro	TP 46 95 3P	STX,B	95	142.8	17.4	1	27.1	200	17
Proseed	PT0000 00	STX,B	95	142.9	17.6	1	25.7	201	18
Team Pro	TP 46 95 3P	V2P	91	142.7	17.6	1	28.1	201	19
Federal	4100 300	V2P	91	142.3	17.4	1	26.6	200	20
Proseed	170 300	V2P	94	141.1	16.7	1	26.6	200	21
Thunder	681V	V2P	93	140.9	17.0	1	27.1	200	22
Makay	324V2PMS	V2P	94	140.6	16.9	1	26.6	200	23
Federal	4410V2PMS	V2P	94	140.7	17.0	1	26.6	203	24
Latham	LH407V2PMS	V2P	94	140.4	17.1	1	28.1	202	25
Thunder	674V	V2P	94	140.4	17.3	1	27.1	201	26
Golden Harvest	GH13 310 320	STX,B	95	140.4	17.8	1	27.6	200	27
Golden Harvest	GH40 310 420	STX,B	89	140.6	17.2	1	26.6	200	28
Latham	LH401V2PMS	V2P	91	140.2	17.3	1	26.6	200	29
Holly	H430MS	STX	93	139.4	17.2	1	27.6	200	30
Holly	H432V2P	V2P	93	139.9	17.3	1	29.0	201	31

REJECTED

Dekalb	DKC46-36RIB CK	STX,B	96	98.5	17.5	1	28.6	289	7
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*Mark Tollefson*

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

Averages =	<b>86.8</b>	<b>17.3</b>	<b>1</b>	<b>27.6</b>	<b>256</b>
LSD (0.10) =	24.5	0.5	0		
LSD (0.25) =	12.8	0.3	0		
C.V. =	26.7	Prev. years average yield, 149.6 bu/a, 10 yrs			

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

**Test Comments:** We planted into a vertical tilled area. This area didn't produce usable test results as Flexstar carryover damage from a 2017 application. In June, you could see the how sick the plants looked. The full-season test was only partially damaged by Flexstar but the inconsistent results were not usable. There are reports of many area fields that have been turned in insurance claims for drought damage.

† 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: 11/15/2018 Revised:

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 Greg Bich, Beadle County, SD 57324



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

PREV. CROP/HERB: Soybean / Roundup PowerMax, Select Max, Valor, Flexstar  
 SOIL DESCRIPTION: Houdek-Prosper sandy loam, moderately drained, non-irrigated  
 SOIL CONDITION: Minimum w/o fall till, very low P, very high K, 5.7 pH, 2.3% OM, 15.6 CEC  
 PEST MANAGEMENT: Force, Harness Xtra, Roundup (twice)  
 FERTILITY - Applied N: 160 Spring  
 Applied N-P-K (units): 160-50-40  
 SEEDED - RATE - ROW: May 17 30,500 /A 30" spacing  
 HARVESTED - STAND: Nov 13 29,000 /A

**Full-Season Test**  
**96 - 100 Day CRM**  
 B2018SDNE03b

**Top 30 of 54**

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
NEA	4880	VTDFB	97	144.3	17.3	1	29.0	400	1
Nevo	888V72P60	VTDF	96	143.9	17.3	1	29.0	400	2
Thunder	888V72P	VTDF	96	143.2	17.0	1	29.0	407	3
Dekalb	DKC46-36RIB CK	STX,B	96	142.9	17.0	1	29.0	407	4
Dynis-Ges	CL17888C	VTDF	96	142.0	16.9	1	27.6	409	5
Latham	LH425V72P40298	VTDFDLB	96	141.1	16.9	1	29.0	470	6
Federal	4776V72P60	VTDFB	97	141.3	17.1	1	29.0	400	7
Federal	488V72P60	VTDFB	96	141.1	17.1	1	29.0	400	8
NEA	5480-88	STX,B	96	140.9	17.6	1	29.0	400	9
Thunder	6786V72P	VTDFB	96	140.7	16.9	1	29.0	404	10
Nevo	7781A	320	96	140.1	17.1	1	29.0	400	11
NuTech	24-88	3011A	96	140.1	17.1	1	29.0	449	12
Musang	4286V72P60	VTDFB	96	140.0	17.2	1	29.0	446	13
NE Brand	86382-310	310	96	139.9	17.3	1	29.0	444	14
Nevo	88138	310	96	139.9	17.1	1	29.0	444	15
Nevo	836V72P60	VTDF	96	139.3	16.9	1	29.0	438	16
Golden Harvest	GM871-310	310	96	140.2	17.2	1	29.0	436	18
NuTech/GE Ges	27-100	400	96	147.6	16.4	1	27.6	438	17
Holly	84110	VTDF	96	147.6	17.4	1	29.0	434	20
Latham	LH425V72P	VTDF	96	147.3	16.7	1	29.0	436	19
Holly	84324	310	96	141.2	16.9	1	30.0	429	21
Nevo	8488V72P	VTDFDLB	96	144.7	17.1	1	29.0	427	22
Nevo	836V72P60	VTDF	97	144.6	17.0	1	29.0	425	24
Darizard	25-910	3000T	96	144.5	17.0	1	29.0	426	23
Prosper	888V72P	VTDFB	96	142.9	17.0	1	29.0	422	25
Nevo	788V72P	VTDF	96	142.4	17.2	1	29.0	419	27
Holly	847400	STX	97	142.1	16.9	1	27.1	420	26
Darizard	874-371040	400	96	140.4	16.7	1	29.0	410	28
Nevo	843V72P	VTDFB	97	139.8	17.0	1	29.0	408	29
LC Seeds	LCS48V72P60	VTDFB	96	139.2	17.4	1	29.0	406	30

REJECTED

Dekalb	DKC46-36RIB CK	STX,B	96	134.6	17.5	1	29.0	395	39
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Averages =	<b>141.3</b>	<b>17.2</b>	<b>1</b>	<b>29.0</b>	<b>416</b>
LSD (0.10) =	19.8	0.5	ns		
LSD (0.25) =	10.4	0.2	ns		
C.V. =	13.3	Prev. years average yield, 149.6 bu/a, 10 yrs			

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

**Test Comments:** We planted into a vertical tilled area. This area didn't produce usable test results as Flexstar carryover damage from a 2017 application. In June, you could see the how sick the plants looked. The full-season test was only partially damaged by Flexstar but the inconsistent results were not usable. There are reports of many area fields that have been turned in insurance claims for drought damage.

† 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: 11/15/2018 Revised:

2018 Corn Grain - South Dakota Northeast [ SDNE ]



**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					

2018 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
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.