

2018 Corn Grain Top 30 Performance Summary for South Dakota Northeast [ SDNE ]



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

Early-Season Test

91 - 95 Day CRM

B2018SDNEa

Top 30 of 45

For Gross Income (Sorted by Yield), (15) Replication Average

Company/Brand	Product/Brand†	Technol.†	RM	Yield Bu/A	Moisture %	Lodging %	Gross Income \$/A	Rank	Arlington	Bath	Cavour	Clear Lake	Watertown	Webster
NuTech	E5GN-A395	3110	95	<b>236.9</b>	20.0	1	681	1	212.0	<b>271.9</b>	88.1	251.1	236.1	<b>213.6</b>
Latham	LH4437VT2ProRIB	VT2P,B	94	<b>233.6</b>	19.8	1	673	2	218.3	<b>260.6</b>	85.4	234.2	235.4	<b>219.3</b>
Federal	4580VT2PRIB	VT2P,B	95	<b>229.8</b>	20.4	1	658	4	210.6	<b>255.1</b>	108.3	241.9	232.3	209.0
Proseed	1794VT2PRIB	VT2P,B	94	229.6	20.5	1	657	5	215.7	<b>255.8</b>	87.1	245.5	242.8	188.0
Latham	LH4517VT2Pro	VT2P	95	229.4	19.9	2	660	3	216.3	227.8	93.2	237.2	239.2	<b>226.7</b>
Renk	RK433RR	RR2	92	228.3	19.9	1	657	6	217.9	227.4	87.1	249.9	226.0	<b>220.3</b>
LG Seeds	LG44C27VT2PRO	VT2P	94	227.8	19.7	1	657	7	219.0	228.3	87.1	244.3	244.2	203.1
Thunder	6794VT2P	VT2P,B	94	227.2	20.7	1	649	11	213.8	250.0	87.1	233.4	<b>258.2</b>	180.8
Heine	6320VT2PRO	VT2P	95	226.8	20.6	1	649	12	194.8	250.6	87.1	<b>257.0</b>	<b>249.3</b>	182.1
Mustang	2291VT2PRIB	VT2P,B	91	226.7	19.1	1	657	8	214.0	240.2	87.1	242.1	235.5	201.7
Heine	6200VT2PRORIB	VT2P,B	95	226.7	20.6	1	648	14	218.4	240.8	87.1	<b>252.8</b>	243.6	177.9
Federal	4470VT2PRIB	VT2P,B	94	226.6	19.7	1	653	9	<b>222.6</b>	237.8	87.1	239.7	238.8	194.1
Titan Pro	82-95 2P	VT2P,B	95	226.4	20.5	1	648	15	<b>225.9</b>	234.3	87.1	248.7	230.4	192.9
Thunder	6993VT2P	VT2P	93	225.7	20.0	1	649	13	208.1	243.4	87.1	239.1	239.8	198.1
Latham	LH4454VT2ProRIB	VT2P,B	94	225.1	20.4	1	645	17	197.5	251.1	87.1	<b>262.4</b>	229.6	185.0
Thunder	6992VT2P	VT2P	92	224.2	19.0	1	650	10	199.9	233.2	87.1	232.3	<b>255.2</b>	200.5
<b>REA</b>	<b>4B931-RIB</b>	<b>VT2P,B</b>	<b>93</b>	<b>224.2</b>	<b>19.3</b>	<b>1</b>	<b>648</b>	<b>16</b>	<b>207.7</b>	<b>226.3</b>	<b>87.1</b>	<b>238.5</b>	<b>243.0</b>	<b>205.3</b>
Renk	RK568VT2P	VT2P,B	94	224.1	20.5	1	641	18	209.3	235.9	87.1	<b>254.6</b>	230.3	190.4
Hefty	H4322VT2P	VT2P	93	222.4	19.9	1	640	19	212.1	247.0	87.1	230.9	232.8	189.0
Mustang	3294VT2PRIB	VT2P,B	94	221.1	19.8	1	637	20	210.3	242.3	87.1	228.4	242.1	182.3
Renk	8-536VT2P	VT2P	94	220.5	20.1	2	633	22	205.4	246.6	87.1	<b>256.1</b>	<b>257.0</b>	137.5
Dairyland	DS-7294A	3220	94	220.3	21.5	1	625	28	204.4	<b>258.4</b>	87.1	<b>254.0</b>	212.5	172.2
NK Brand	NK9227-3220A-EZR	3220,A,B	92	220.2	21.6	1	624	30	201.8	249.8	87.1	232.0	222.9	194.5
Hefty	H4324SS	STX	93	219.9	20.2	1	631	23	201.5	234.7	87.1	234.4	230.7	198.3
Titan Pro	2M95-2P	VT2P,B	95	218.6	20.7	1	625	29	211.5	235.8	87.1	229.6	236.5	179.6
Latham	LH4187VT2Pro	VT2P	91	218.4	18.6	1	636	21	210.6	222.3	84.2	240.8	222.0	196.3
NuTech	5G-293	3110,A	93	218.4	20.0	1	628	25	189.1	241.2	80.8	244.2	213.9	203.7
Titan Pro	TP 48-93 2P	VT2P,B	93	218.0	20.1	1	626	27	196.9	234.5	88.7	230.3	226.5	201.9
Proseed	1591VT2PRIB	VT2P,B	91	216.8	19.1	1	628	26	194.2	228.1	86.1	242.7	240.8	178.1
Federal	4190VT2P	VT2P	91	216.5	18.6	1	630	24	206.6	218.1	88.3	229.8	222.1	205.7
Dekalb	DKC46-36RIB CK	STX,B	96	215.3	20.7	1	615	37	207.8	248.5	98.5	221.4	223.4	175.2

Data Rejected - Not in Summary

Averages =	<b>220.3</b>	<b>20.1</b>	<b>1</b>	<b>633</b>	<b>205.9</b>	<b>238.7</b>	<b>86.8</b>	<b>238.1</b>	<b>231.6</b>	<b>187.4</b>
LSD (0.10) =	9.8	0.6	ns		13.4	13.8	24.5	14.4	17.3	23.4
LSD (0.25) =	5.1	0.3	ns		7.0	7.2	12.8	7.6	9.1	12.3

Previous years average yield for region, 174.3 bu/a, 16 yrs

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

† See last page for additional information. Dark shaded 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 test grain moisture limit. ns = not significantly different; ‡ = 2 reps.

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2018 Corn Grain Top 30 Performance Summary for South Dakota Northeast [ SDNE ]



Full-Season Test

96 - 100 Day CRM

B2018SDNEB

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For Gross Income (Sorted by Yield), (12) Replication Average

Company/Brand	Product/Brand†	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Gross Income \$/A	Rank	Arlington	Bath	Cavour	Clear Lake	Watertown	Webster
Hefty	H4922VT2P	VT2P	99	248.8	21.2	1	708	1	215.1	265.4	137.5	247.8	266.8	191.8
Heine	6500VT2PRO	VT2P	99	247.0	21.1	1	703	2	213.7	254.4	165.9	258.0	261.7	162.4
Mustang	4297VT2PRIB	VT2P,B	97	243.6	21.8	1	689	7	212.6	251.6	110.1	243.3	266.9	162.7
Latham	LH4657VT2ProRIB	VT2P,B	96	243.4	20.8	1	695	3	218.8	249.5	134.6	253.3	252.0	138.9
<b>REA</b>	<b>4B965</b>	<b>VT2P,B</b>	<b>97</b>	<b>243.0</b>	<b>20.9</b>	<b>1</b>	<b>693</b>	<b>4</b>	<b>201.2</b>	<b>251.8</b>	<b>153.5</b>	<b>256.5</b>	<b>262.5</b>	<b>162.3</b>
Thunder	6999VT2P	VT2P	99	242.8	21.3	1	690	6	206.2	248.4	137.5	249.6	266.8	162.7
Latham	LH4937VT2Pro	VT2P	99	242.5	21.3	1	689	8	218.0	250.7	137.5	236.2	265.0	162.3
Renk	RK608DGV2P	VT2P,DG,B	100	242.3	22.0	1	684	13	222.6	242.2	137.5	250.0	254.3	222.2
Renk	RK579DGV2P	VT2P,DG	98	242.2	21.3	1	688	9	209.1	249.1	137.5	251.9	258.8	161.9
Heine	6360VT2PRO	VT2P	97	241.8	20.4	1	693	5	217.6	237.8	137.5	255.6	256.1	161.8
LG Seeds	LG46C73VT2PRORIB	VT2P,B	96	241.2	20.9	1	688	10	214.4	248.5	137.5	238.3	263.4	161.1
Latham	LH5025VT2ProDGRIB	VT2P,DG,B	100	241.2	22.4	1	679	16	223.0	244.3	137.5	246.5	251.0	222.5
Hefty	H4912VT2PRIB	VT2P,B	99	240.2	20.7	1	686	11	201.8	230.4	137.5	267.5	261.2	161.5
Proseed	1898VT2PRIB	VT2P,B	98	240.1	21.1	1	684	14	219.3	250.1	137.5	250.7	240.4	161.1
Dairyland	RPM-4019AM	AM,B	99	239.8	21.7	1	679	17	201.5	245.2	137.5	261.4	251.0	161.1
Hefty	H5024SS	STX	100	239.4	22.6	1	673	22	211.7	250.3	142.2	249.9	245.5	161.5
Federal	4990VT2P	VT2P	99	238.1	22.2	1	671	27	208.3	243.2	137.5	247.4	253.5	161.2
Titan Pro	86-96 2P	VT2P,B	96	238.0	21.6	1	675	20	202.7	246.8	137.5	237.6	264.8	161.1
Thunder	7800DGV2P	VT2P,DG,B	100	238.0	21.8	1	674	21	212.5	251.0	137.5	245.5	243.1	161.5
Heine	6350VT2PRO	VT2P	97	237.8	20.6	1	680	15	212.2	234.5	137.5	249.5	255.0	161.9
Mustang	4296VT2PRIB	VT2P,B	96	237.8	20.8	1	679	18	200.9	237.3	137.5	256.1	257.0	161.5
Renk	RK587VT2P	VT2P,B	97	237.8	21.2	1	677	19	217.3	222.8	137.5	263.1	248.1	161.1
Dyna-Gro	D39DC43 GC	VT2P,DG	99	237.7	21.8	1	673	23	204.2	249.9	137.5	244.9	251.8	161.1
NuTech/G2 Gen	5F-198	AM,B	98	237.2	19.4	2	686	12	203.5	244.0	137.5	247.9	253.2	161.0
Titan Pro	TP 65-00 DG2P	VT2P,DG,B	100	237.1	21.7	1	672	26	198.7	256.8	137.5	240.9	251.8	161.5
Titan Pro	TP 71-98 2P	VT2P,B	98	237.0	21.9	1	670	28	216.2	237.2	117.7	255.2	239.4	183.2
Latham	LH4795VT2Pro	VT2P	97	236.8	22.0	1	669	29	208.2	254.7	126.6	237.3	246.8	177.1
Federal	4880VT2PRIB	VT2P,B	98	236.1	20.9	1	673	24	209.2	241.7	158.1	242.3	251.0	171.3
Dyna-Gro	CX17100VC	VT2P	100	235.6	20.8	1	673	25	212.2	240.3	160.0	250.0	239.8	171.1
Mustang	5299VT2PRIB	VT2P,B	99	233.8	20.6	1	669	30	190.3	241.0	137.5	249.4	254.6	163.7
Dekalb	DKC46-36RIB CK	STX,B	96	226.9	21.2	1	646	45	193.0	229.0	134.6	225.5	260.1	142.1

Data Rejected - Not in Summary

Data Rejected - Not in Summary

Averages =	234.8	21.5	1	666	204.7	239.7	141.3	245.2	249.5	159.5
LSD (0.10) =	10.1	0.6	1		17.7	10.5	19.8	14.8	13.2	29.9
LSD (0.25) =	5.3	0.3	1		9.3	5.5	10.4	7.8	6.9	15.7

Previous years average yield for region, 174.3 bu/a, 16 yrs

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

† See last page for additional information. Dark shaded 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 test grain moisture limit. ns = not significantly different; ‡ = 2 reps.

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**2018 Corn Grain - South Dakota Northeast [ SDNE ]**



**Early-Season Test Products (45 Total)**

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

Company/Brand	Product/Brand†	Technol.†	Seed Trt.†	RM
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
Dairyland	DS-9599	3000GT	CM,C5,Vi,ln	99
Dairyland	RPM-3519YHR	OI	MQ,P5V,R	96
Dairyland	RPM-3715AM	AM,B	MQ,P5V,R	96
Dairyland	RPM-4019AM	AM,B	CM,C2,R,Lu	99
Dekalb	DKC46-36RIB CK	STX,B	AC,P5V	96
Dekalb	DKC50-08RIB GC	STX,B	AC,P5V	100
Dyna-Gro	CX17100VC	VT2P	AC,P5V	100
Dyna-Gro	D39DC43 GC	VT2P,DG	AC,P5V	99
Federal	4680VT2PRIB	VT2P,B	AC,P2	96
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,ln	99
Pfister	60B1SSR	STX,B	CM,C5,Vi,ln	100
Pfister	60C2PC	PC	CM,C5,Vi,ln	100
Proseed	1898VT2PRIB	VT2P,B	AC,P2	98
REA	4B965	VT2P,B	AC,P2	97

Company/Brand	Product/Brand†	Technol.†	Seed Trt.†	RM
REA	5A982-RIB	STX,B	AC,P5V	98
Renk	RK579DGV2P	VT2P,DG	AC,P2	98
Renk	RK587VT2P	VT2P,B	AC,P2	97
Renk	RK608DGV2P	VT2P,DG,B	AC,P2	100
Thunder	6798VT2P	VT2P,B	AC,P2	98
Thunder	6996VT2P	VT2P	AC,P5V	96
Thunder	6999VT2P	VT2P	AC,P5V	99
Thunder	7800DGV2P	VT2P,DG,B	AC,P2	100
Titan Pro	86-96 2P	VT2P,B	AC,P5V	96
Titan Pro	TP 65-00 DG2P	VT2P,DG,B	AC,P2	100
Titan Pro	TP 71-98 2P	VT2P,B	AC,P2	98
Titan Pro	TP 78-98 SS	STX,B	AC,P5V	98

## 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®TRIssect (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	D	Dynasty®	P2, P5, P1	Poncho® at 0.25, 0.5 and 1.25 mg ai/seed, respectively
A	Allegiance®	Es	Escalate®	R	Raxil®
AC	Acceleron® fungicide products	HC	Hefty Complete	Sa	Sativa™
AL2500	Alert 2500	In	Intego™ Solo	Se	Sebring™
At	Actellic®	L	Lorsban®	Sn	Senator™
AVC	Avicta® Complete Corn	Lu	Lumivia™	Sp	Spirato™
C2, C5, C1	Cruiser® at 0.25, 0.5 and 1.25 mg ai/seed, respectively	M	Maxim XL®	SC	SHIELDCoat™
CE	Cruiser Xtreme®	MQ	Maxim Quattro®	V	Votivo®
CM	CruiserMaxx® Corn	None	untreated	Vi	Vibrance®

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