

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
REA	4B931-RIB	VT2P,B	93	224.2	19.3	1	648	16	207.7	226.3	87.1	238.5	243.0	205.3
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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Report Date: 11/15/2018

Revised:

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



Full-Season Test

96 - 100 Day CRM

B2018SDNEB

Top 30 of 54

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	<b>248.8</b>	21.2	1	708	1	215.1	<b>265.4</b>	137.5	247.8	<b>266.8</b>	191.8
Heine	6500VT2PRO	VT2P	99	<b>247.0</b>	21.1	1	703	2	213.7	<b>254.4</b>	165.9	258.0	261.7	162.4
Mustang	4297VT2PRIB	VT2P,B	97	243.6	21.8	1	689	7	212.6	<b>251.6</b>	110.1	243.3	<b>266.9</b>	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
REA	4B965	VT2P,B	97	243.0	20.9	1	693	4	201.2	<b>251.8</b>	186.5	256.5	262.5	182.3
Thunder	6999VT2P	VT2P	99	242.8	21.3	1	690	6	206.2	248.4	110.1	249.6	<b>266.8</b>	162.7
Latham	LH4937VT2Pro	VT2P	99	242.5	21.3	1	689	8	218.0	<b>250.7</b>	137.5	236.2	<b>265.0</b>	162.7
Renk	RK608DGV2P	VT2P,DG,B	100	242.3	22.0	1	684	13	<b>222.6</b>	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	162.7
Heine	6360VT2PRO	VT2P	97	241.8	20.4	1	693	5	217.6	237.8	137.5	255.6	256.1	162.7
LG Seeds	LG46C73VT2PRORIB	VT2P,B	96	241.2	20.9	1	688	10	214.4	248.5	137.5	238.3	<b>263.4</b>	162.7
Latham	LH5025VT2ProDGRIB	VT2P,DG,B	100	241.2	22.4	1	679	16	<b>223.0</b>	244.3	137.5	246.5	251.0	222.2
Hefty	H4912VT2PRIB	VT2P,B	99	240.2	20.7	1	686	11	201.8	230.4	137.5	267.5	261.2	162.7
Proseed	1898VT2PRIB	VT2P,B	98	240.1	21.1	1	684	14	219.3	250.1	137.5	250.7	240.4	162.7
Dairyland	RPM-4019AM	AM,B	99	239.8	21.7	1	679	17	201.5	245.2	137.5	<b>261.4</b>	251.0	162.7
Hefty	H5024SS	STX	100	239.4	22.6	1	673	22	211.7	<b>250.3</b>	142.2	249.9	245.5	162.7
Federal	4990VT2P	VT2P	99	238.1	22.2	1	671	27	208.3	243.2	137.5	247.4	253.5	162.7
Titan Pro	86-96 2P	VT2P,B	96	238.0	21.6	1	675	20	202.7	246.8	137.5	237.6	<b>264.8</b>	162.7
Thunder	7800DGV2P	VT2P,DG,B	100	238.0	21.8	1	674	21	212.5	<b>251.0</b>	137.5	245.5	243.1	162.7
Heine	6350VT2PRO	VT2P	97	237.8	20.6	1	680	15	212.2	234.5	137.5	249.5	255.0	162.7
Mustang	4296VT2PRIB	VT2P,B	96	237.8	20.8	1	679	18	200.9	237.3	137.5	256.1	257.0	162.7
Renk	RK587VT2P	VT2P,B	97	237.8	21.2	1	677	19	217.3	222.8	137.5	<b>263.1</b>	248.1	162.7
Dyna-Gro	D39DC43 GC	VT2P,DG	99	237.7	21.8	1	673	23	204.2	249.9	137.5	244.9	251.8	162.7
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	162.7
Titan Pro	TP 65-00 DG2P	VT2P,DG,B	100	237.1	21.7	1	672	26	198.7	<b>256.8</b>	137.5	240.9	251.8	162.7
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	<b>254.7</b>	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 =	<b>234.8</b>	<b>21.5</b>	<b>1</b>	<b>666</b>	<b>204.7</b>	<b>239.7</b>	<b>141.3</b>	<b>245.2</b>	<b>249.5</b>	<b>159.5</b>
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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Report Date: 11/15/2018

Revised:





## 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.