

2020 Corn Grain Top 30 Performance Summary for South Dakota Northeast [SDNE]

Early-Season Test

91 - 95 Day CRM

B2020SDNEa

Top 30 of 54

For Gross Income (Sorted by Yield), (14) Replication Average

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Gross Income \$/Acre	Rank	Arlington *	Bath	Clear Lake	Mansfield	Watertown	Webster REJECTED	
HEFTY	H4522VT2PRIB	VT2P,B	95	235.0	16.7	1	813	1	243.8	241.1	209.9	248.2	232.0	134.1	
ROB-SEE-CO	INNOTECH IC4166	3110A	91	231.6	16.6	1	802	2	218.1	239.5	211.3	242.8	246.5	117.1	
THUNDER	T6094 VT2P	VT2P,B	94	231.1	16.4	1	801	3	228.4	240.3	207.3	246.9	232.4	135.0	
HEINE	6230	VT2P,B	95	230.5	16.8	1	797	4	210.4	238.9	224.9	252.8	225.7	161.3	
RENK	RK561DGV2PRIB	VT2PDG,B	95	228.6	17.2	1	788	6	217.6	248.2	211.9	238.8	226.6	139.5	
HEFTY	H4332VT2PRIB	VT2P,B	93	228.1	17.0	1	787	7	228.7	227.9	189.5	246.1	248.4	145.7	
INTEGRA	4509 VT2PRIB	VT2P,B	95	227.9	17.1	1	786	8	204.6	229.9	215.1	248.3	241.5	142.2	
HEFTY	H4322VT2PRIB	VT2P,B	93	227.5	16.4	1	788	5	221.2	253.2	200.1	239.0	223.8	139.9	
TITAN PRO	82-95 2P	VT2P,B	95	226.4	17.0	1	781	11	219.2	252.0	204.1	224.7	231.9	139.9	
LATHAM	LH 4375 VT2P RIB	VT2P,B	93	226.3	16.1	1	786	9	218.7	257.5	207.0	239.2	209.2	137.4	
FEDERAL	4300 VT2PRIB	VT2P,B	93	225.9	16.6	1	782	10	200.8	243.2	198.7	253.2	233.3	137.1	
RENK	RK433VT2PRIB	VT2P,B	92	225.6	16.5	1	781	12	221.4	236.5	210.5	231.9	227.7	133.9	
LATHAM	LH 4454 VT2P RIB	VT2P,B	94	225.2	17.2	1	776	14	204.4	233.9	200.1	251.3	236.4	137.8	
DAIRYLAND	DS-3550AM	AM,B	95	224.8	17.0	1	776	15	208.9	250.4	196.1	251.3	217.5	137.0	
THUNDER	T6992 VT2P	VT2P,B	92	224.4	16.3	1	778	13	202.4	234.7	220.4	240.1	224.2	133.7	
FEDERAL	4185 RR	RR2	91	223.5	16.9	1	772	18	204.1	256.1	198.0	237.3	222.1	137.6	
HEINE	6450	VT2P	95	223.1	17.4	1	768	20	190.1	231.0	226.4	246.1	222.0	137.4	
HEINE	6200	VT2P,B	95	222.8	16.7	2	770	19	204.3	222.2	211.3	238.5	238.0	137.9	
REA	3B912	VT2P,B	91	222.6	15.8	1	774	16	210.1	241.4	202.7	219.2	239.6	141.2	
FEDERAL	4160 VT2PRIB	VT2P,B	91	222.3	15.8	1	774	17	222.0	229.4	204.5	232.8	222.8	137.4	
RENK	RK568VT2P	VT2P,B	95	220.8	16.6	1	764	21	186.0	242.1	199.3	251.6	225.2	137.3	
THUNDER	T6993 VT2P	VT2P,B	93	219.0	16.7	1	757	23	186.9	235.2	204.1	238.5	230.3	137.5	
INTEGRA	4119 VT2PRIB	VT2P,B	91	218.6	16.0	1	759	22	206.0	242.1	193.8	213.0	238.3	137.5	
DAIRYLAND	DS-3162Q	QR,B	91	217.6	15.7	1	757	24	195.4	238.3	180.5	250.5	223.4	137.8	
ROB-SEE-CO	RC4535	3110	95	217.6	16.7	1	753	26	240.4	207.7	184.9	239.1	215.7	110.7	
FEDERAL	4400 VT2PRIB	VT2P,B	94	217.5	15.8	1	756	25	189.5	236.9	201.9	244.0	215.3	117.4	
GOLDEN HARVEST	G90Y04-5222A-EZR	5222A,B	92	217.5	17.4	1	749	29	210.5	245.4	193.8	219.4	218.7	110.0	
FEDERAL	4190 VT2PRIB	VT2P,B	91	216.7	16.2	1	752	27	224.4	207.7	192.9	238.7	220.0	129.8	
INTEGRA	4041 VT2P	VT2P	90	215.8	15.9	1	750	28	213.5	214.5	201.0	242.2	207.9	131.2	
LATHAM	LH 4517 VT2P RIB	VT2P,B	95	214.7	16.3	1	745	30	209.0	219.9	178.7	235.3	230.6	141.3	
DEKALB	DKC47-54RIB CK	STX,B	97	206.5	18.3	1	706	52	178.7	236.5	188.2	223.6	205.7	137.2	
				Averages =	216.8	16.6	1	750		198.0	233.5	198.8	234.6	219.3	130.7
				LSD (0.10) =	13.0	0.5	ns			34.3	17.7	17.6	16.1	20.3	21.4
				LSD (0.25) =	6.9	0.2	ns			17.9	9.3	9.2	8.5	10.6	11.2

mark.tollefson@firstseedtests.com, (507) 456-2357 Prev. years average yield for region: 179.8 bu/a, 18 yr(s)

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.2 Drying = \$0.03 Prices: GMO = \$3.50

† 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. *There were 2 reps for the site.

2020 Corn Grain Top 30 Performance Summary for South Dakota Northeast [SDNE]

Full-Season Test

96 - 100 Day CRM

B2020SDNEb

Top 30 of 54

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

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Gross Income \$/Acre	Rank	Arlington	Bath	Clear Lake	Mansfield	Watertown	Webster REJECTED
HEINE	6575	VT2P	99	232.3	17.3	1	799	1	201.3	249.8	214.1	262.7	233.5	145.2
HEINE	6500	VT2P	98	230.0	17.1	1	793	2	168.9	251.4	224.6	252.5	252.6	116.5
FEDERAL	4990 VT2PRIB	VT2P,B	99	229.9	17.7	1	789	4	187.7	232.4	231.3	273.4	224.8	131.6
DAIRYLAND	DS-4000AMXTRIB	AMXT,B	100	229.4	18.0	1	785	9	198.2	259.3	210.9	250.6	228.0	127.5
HEFTY	H4842VT2P	VT2P	98	229.3	17.0	1	791	3	182.4	256.4	222.2	252.5	233.0	115.9
FEDERAL	4999 VT2PRIB	VT2P,B	99	228.7	17.3	1	787	5	172.1	246.7	218.5	255.2	251.1	141.6
RENK	RK593VT2PRIB	VT2P,B	97	228.0	16.7	1	787	6	183.9	245.9	214.3	245.2	250.6	155.5
REA	4B965	VT2P,B	97	227.7	16.9	1	786	7	180.2	247.0	221.4	258.2	231.5	115.4
LATHAM	LH 4657 VT2P RIB	VT2P,B	96	227.6	17.0	1	786	8	200.9	243.4	211.9	257.6	224.4	115.9
HEINE	7010	VT2P	100	227.5	17.4	1	783	10	196.4	249.1	203.5	250.5	238.0	115.3
TITAN PRO	22-00 2P	VT2P,B	100	227.2	17.9	1	778	14	181.2	255.0	212.0	257.2	230.7	115.7
HEINE	6550VT2P	VT2P	99	227.0	17.5	1	779	13	181.2	257.4	209.4	258.2	228.6	115.2
DYNA-GRO	D39VC40	VT2P	99	226.8	17.1	1	782	11	194.3	248.4	196.3	242.6	252.3	115.7
INTEGRA	4888 VT2PRIB	VT2P,B	98	226.6	17.0	1	782	12	199.3	227.8	219.3	254.8	231.7	115.7
DYNA-GRO	D40VC41	VT2P	100	226.5	17.9	1	776	18	188.8	247.2	201.8	257.2	237.6	115.6
LATHAM	LH 4937 VT2P RIB	VT2P,B	99	226.4	17.6	1	778	15	171.2	246.5	207.8	246.5	260.1	115.0
RENK	RK579DGV2P	VT2PDG,B	99	226.1	17.7	1	775	19	187.9	237.7	200.9	261.4	242.4	115.6
LATHAM	LH 4669 SS RIB	STX,B	96	226.0	17.5	1	777	16	204.9	233.6	216.7	236.3	238.4	115.0
DAIRYLAND	DS-4014Q	QR,B	100	225.2	18.5	1	767	23	160.2	244.0	217.9	247.4	256.6	114.7
REA	4B976	VT2P,B	97	225.0	17.0	1	776	17	191.7	243.6	191.0	257.3	241.6	115.3
HEFTY	H5003VT2PDGRIB	VT2PDG,B	100	224.5	17.9	1	769	21	178.9	246.3	206.6	262.2	228.7	115.8
HEINE	6360VT2P	VT2P	97	224.1	17.0	1	773	20	188.7	242.9	219.0	231.4	238.4	115.9
THUNDER	T6100 VT2P	VT2P,B	100	223.7	17.8	1	767	24	182.9	237.9	202.0	257.5	238.4	115.5
TITAN PRO	92-99 2P	VT2P,B	99	222.9	17.2	1	768	22	164.6	243.0	212.1	246.8	248.2	115.8
THUNDER	T6996 VT2P	VT2P,B	96	222.5	17.3	1	766	25	203.5	242.2	207.6	259.8	199.6	130.9
INTEGRA	5081 DGV2PRIB	VT2PDG,B	100	222.5	17.6	1	764	27	170.1	231.6	212.5	256.8	241.3	133.9
RENK	RK600SSTX	STX,B	100	222.4	17.8	1	763	29	198.1	248.1	207.4	229.9	228.6	134.0
TITAN PRO	86-96 2P	VT2P,B	96	221.8	17.0	1	765	26	175.6	231.1	215.8	253.2	233.5	119.4
THUNDER	T6098 VT2P	VT2P,B	98	221.6	17.4	1	762	30	183.6	265.0	192.0	247.1	220.2	123.6
HEFTY	H4933VT2PDGRIB	VT2PDG,B	99	221.2	17.5	1	760	31	161.4	249.4	203.6	261.0	230.7	132.5
DEKALB	DKC47-54RIB CK	STX,B	97	222.6	17.8	1	763	28	205.2	234.5	191.5	252.9	228.9	126.9

Rejected due to high variance



Averages =	220.9	17.6	1	758		183.7	240.0	204.1	248.2	228.1	130.6
LSD (0.10) =	10.0	1.0	ns			17.6	16.9	17.9	13.1	18.5	23.9
LSD (0.25) =	5.3	0.5	ns			9.2	8.9	9.4	6.9	9.7	12.6

Mark Tollefson

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

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2020 Corn Grain - South Dakota Northeast [SDNE]

Early-Season Test Products (54 Total)

Company/Brand	Product/Brand	Technology	RM	Seed Treat.
DAHLMAN	R47-26VT2PRIB GC	VT2P,B	94	AC250
DAIRYLAND	DS-3162Q	QR,B	91	Lum,P1V
DAIRYLAND	DS-3193AM	AM,B	91	Lum,P1V
DAIRYLAND	DS-3345AM	AM,B	93	Lum,P1V
DAIRYLAND	DS-3366Q	QR,B	93	Lum,P1V
DAIRYLAND	DS-3550AM	AM,B	95	Lum,P5V
DEKALB	DKC47-54RIB CK	STX,B	97	AC,P5V,EDC-EL
DYNA-GRO	D35VC35	VT2P	95	AC,P5V,EDC-B
FEDERAL	4160 VT2PRIB	VT2P,B	91	AC,P2
FEDERAL	4185 RR	RR2	91	AC,P2,MAG
FEDERAL	4190 VT2PRIB	VT2P,B	91	AC,P2,MAG
FEDERAL	4300 VT2PRIB	VT2P,B	93	AC,P2,MAG
FEDERAL	4400 VT2PRIB	VT2P,B	94	AC,P2,MAG
GOLDEN HARVEST	G90Y04-5222A-EZR	5222A,B	92	AVC,C2,Vi
GOLDEN HARVEST	G91V51-3110A	3110A	91	AVC,C2,Vi
HEFTY	H4102VT2PRIB	VT2P,B	91	HC
HEFTY	H4132VT2PRIB	VT2P,B	91	HC
HEFTY	H4322VT2PRIB	VT2P,B	93	HC
HEFTY	H4332VT2PRIB	VT2P,B	93	HC
HEFTY	H4522VT2PRIB	VT2P,B	95	HC
HEINE	6175VT2P	VT2P	93	AC,P5V,EDC-B
HEINE	6200	VT2P,B	95	AC250
HEINE	6210	VT2P	95	AC,P5V
HEINE	6230	VT2P,B	95	AC,P2
HEINE	6450	VT2P	95	AC,P5V,EDC-B
INTEGRA	4041 VT2P	VT2P	90	AC,P5V,St,SU
INTEGRA	4119 VT2PRIB	VT2P,B	91	AC,P2V,St,SU
INTEGRA	4311 VT2P	VT2P	93	AC,P5V,St,SU
INTEGRA	4509 VT2PRIB	VT2P,B	95	AC,P2V,St,SU
LATHAM	LH 4242 VT2P RIB	VT2P,B	92	AC250
LATHAM	LH 4375 VT2P RIB	VT2P,B	93	AC250
LATHAM	LH 4454 VT2P RIB	VT2P,B	94	AC250
LATHAM	LH 4517 VT2P RIB	VT2P,B	95	AC250
NK BRAND	NK8920-5122-EZR	5122,B	89	AVC,C2,Vi
NK BRAND	NK9175-3110A	3110A	91	AVC,C2,Vi
NK BRAND	NK9227-5222A-EZR	5222A,B	92	AVC,C2,Vi

Company/Brand	Brand/Product	Technology	RM	Seed Treat.
PIONEER	P9188AMXT GC	AMXT	91	NA
PIONEER	P9492AM GC	AM,B	94	NA
REA	3B912	VT2P,B	91	AC,P5,B360
REA	3B923	VT2P,B	92	AC,P2,B360
RENK	RK433VT2PRIB	VT2P,B	92	AC,P2
RENK	RK499VT2P	VT2P	94	AC,P2
RENK	RK561DGV2PRIB	VT2PDG,B	95	AC,P2
RENK	RK568VT2P	VT2P,B	95	AC,P2
ROB-SEE-CO	INNOTECH IC4166	3110A	91	AVC,C2
ROB-SEE-CO	RC4343	3220A,B	93	CM,C2
ROB-SEE-CO	RC4427	3220,B	94	CM,C2
ROB-SEE-CO	RC4535	3110	95	CM,C2
THUNDER	T6094 VT2P	VT2P,B	94	AC,P2
THUNDER	T6595 VT2P	VT2P,B	95	AC,P2
THUNDER	T6791 VT2P	VT2P,B	91	AC,P2
THUNDER	T6992 VT2P	VT2P,B	92	AC,P2
THUNDER	T6993 VT2P	VT2P,B	93	AC,P2
TITAN PRO	82-95 2P	VT2P,B	95	AC250

2020 Corn Grain - South Dakota Northeast [SDNE]

Full-Season Test Products (54 Total)

Company/Brand	Product/Brand	Technology	RM	Seed Treat.
DAIRYLAND	DS-3715AMRIB	AM,B	97	Lum,P5V
DAIRYLAND	DS-3750AMRIB	AM,B	97	Lum,P1V
DAIRYLAND	DS-3810Q	QR,B	98	Lum,P1V
DAIRYLAND	DS-4000AMXTRIB	AMXT,B	100	Lum,P1V
DAIRYLAND	DS-4014Q	QR,B	100	Lum,P1V
DEKALB	DKC47-54RIB CK	STX,B	97	AC,P5V,EDC-EL
DEKALB	DKC49-44RIB GC	STX,B	99	NA
DYNA-GRO	D39VC40	VT2P	99	AC,P5V,EDC-B
DYNA-GRO	D40VC41	VT2P	100	AC,P5V,EDC-B
FEDERAL	4680 VT2PRIB	VT2P,B	96	AC,P2,MAG
FEDERAL	4700 STXRIB	STX,B	97	AC,P5V,MAG
FEDERAL	4800 VT2PRIB	VT2P,B	98	AC,P2
FEDERAL	4990 VT2PRIB	VT2P,B	99	AC,P2,MAG
FEDERAL	4999 VT2PRIB	VT2P,B	99	AC,P2,MAG
GOLDEN HARVEST	G00H12-5122-EZR	5122,B	100	AVC,C2,Vi
GOLDEN HARVEST	G96R61-5222-EZR	5222,B	96	AVC,C2,Vi
GOLDEN HARVEST	G99E68-5122-EZR	5122,B	99	AVC,C2,Vi
HEFTY	H4612VT2PRIB	VT2P,B	96	HC
HEFTY	H4732VT2PRIB	VT2P,B	96	HC
HEFTY	H4842VT2P	VT2P	98	HC
HEFTY	H4933VT2PDGRIB	VT2PDG,B	99	HC
HEFTY	H5003VT2PDGRIB	VT2PDG,B	100	HC
HEINE	6360VT2P	VT2P	97	AC,P5V,EDC-EL
HEINE	6500	VT2P	98	AC,P2
HEINE	6550VT2P	VT2P	99	AC,P5V,EDC-EL
HEINE	6575	VT2P	99	AC,P5V,EDC-EL
HEINE	7010	VT2P	100	AC,P5V,EDC-B
INTEGRA	4782 VT2PRIB	VT2P,B	97	AC,P2,St,SU
INTEGRA	4888 VT2PRIB	VT2P,B	98	AC,P2,St,SU
INTEGRA	5081 DGV2PRIB	VT2PDG,B	100	AC,P2,St,SU
LATHAM	LH 4657 VT2P RIB	VT2P,B	96	AC250
LATHAM	LH 4669 SS RIB	STX,B	96	AC,P5V
LATHAM	LH 4937 VT2P RIB	VT2P,B	99	AC250
LATHAM	LH 4989 SS RIB	STX,B	99	AC,P5V
NK BRAND	NK9653-5222-EZR	5222,B	96	AVC,C5,Vi
NK BRAND	NK9930-5122-EZR	5122,B	99	AVC,C5,Vi

Company/Brand	Brand/Product	Technology	RM	Seed Treat.
NK BRAND	NK9991-5122-EZR	5122,B	99	AVC,C5,Vi
PIONEER	P0075Q GC	QR	100	NA
PIONEER	P9998Q GC	QR	99	NA
REA	4B965	VT2P,B	97	AC,P2,B360
REA	4B976	VT2P,B	97	AC,P5,B360
RENK	RK579DGV2P	VT2PDG,B	99	AC,P2
RENK	RK593VT2PRIB	VT2P,B	97	AC,P2
RENK	RK600SSTX	STX,B	100	AC,P5V
ROB-SEE-CO	RC4688	3120,B	96	AVC,C2
ROB-SEE-CO	RC4759	3110	97	CM,C2
ROB-SEE-CO	RC4848	3000GT	98	CM,C2
THUNDER	T6098 VT2P	VT2P,B	98	AC,P2
THUNDER	T6100 VT2P	VT2P,B	100	AC,P2
THUNDER	T6996 VT2P	VT2P,B	96	AC,P2
THUNDER	T6999 VT2P	VT2P,B	99	AC,P2
TITAN PRO	22-00 2P	VT2P,B	100	AC250
TITAN PRO	86-96 2P	VT2P,B	96	AC250
TITAN PRO	92-99 2P	VT2P,B	99	AC250

Footnotes and Abbreviations Descriptions

Brand Footnotes

^ Innotech™ brand seed is distributed by Rob-See-Co, LLC. Power Plus® brand seed is distributed by Burrus. Innotech™ is a trademark 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 Grain Technologies*

3000GT	Agrisure® 3000GT
3110	Agrisure® Viptera® 3110 (Vip, CB,LL,GT)
3110A	Agrisure® Artesian® Viptera® 3110 (Vip, CB,LL,GT)
3120	Agrisure® 3120 (CB,HX,LL,GT)
3220	Agrisure® Viptera® 3220 (Vip,CB,HX,LL,GT)
3220A	Agrisure® Artesian® Viptera® 3220 (Vip,CB,HX,LL,GT)
5122	Agrisure® Duracade™ 5122
5222	Agrisure® Duracade™ 5222
5222A	Agrisure® Duracade™ Artesian® 5222
AM	Optimum® AcreMax®
AMXT	Optimum® AcreMax® Xtreme
B	Blend, Refuge in a Bag (RIB) or EZ-Refuge
QR	Qrome™
RR2	Roundup Ready® 2 Corn
STX	SmartStax®
VT2P	Genuity® VT Double PRO®
VT2PDG	Genuity® VT Double PRO® DroughtGard®

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

Corn Grain Seed Treatments**

NA	Not Available
AC250	Acceleron 250
AC,P2	Acceleron, Poncho 250
AC,P2,B360	Acceleron Poncho 250 with BioRise™ B-360 ST
AC,P2,MAG	Acceleron 250, Federal ArmourGuard
AC,P2,St,SU	Acceleron 250, Stamina, StepUp
AC,P2V,St,SU	Acceleron Poncho 250 Votivo, Stamina, StepUp
AC,P5,B360	Acceleron Poncho 500 with BioRise™ B-360 ST
AC,P5V	Acceleron, Poncho 500/Votivo
AC,P5V,EDC-B	Acceleron, Basic Poncho 500/Votivo with Enhanced Disease Control
AC,P5V,EDC-EL	Acceleron, ELITE Poncho 500/Votivo with Enhanced Disease Control
AC,P5V,MAG	Acceleron® Poncho 500/Votivo, Federal ArmorGuard
AC,P5V,St,SU	Acceleron Poncho 500/Votivo, Stamina, StepUp
AVC,C2	Avicta Complete 250
AVC,C2,Vi	Avicta Complete 250, Vibrance
AVC,C5,Vi	Avicta Complete 500, Vibrance
CM,C2	CruiserMaxx 250
HC	Hefty Complete
Lum,P1V	Lumigen Poncho 1250/Votivo
Lum,P5V	Lumigen Poncho 500/Votivo

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