

2016 Corn Grain Top 30 Performance Summary for South Dakota Northeast [SDNE]



Early-Season Test

91 - 95 Day CRM


B2016SDNEa

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

Company/Brand	Product/Brand†	Technol.†	RM	Yield	Moisture	Lodging	Gross Income		Arlington‡	Cavour			Watertown	
				Bu/A	%	%	\$/A	Rank	Bath	Clear Lake	Webster			
Terning Seed	TS8249RR	RR2	95	242.8	16.5	2	719	1	243.4	252.8	131.1	255.7	265.1	196.9
Proseed	PX694VT2P	VT2P	94	242.2	16.5	1	718	2	238.2	242.5	130.2	270.8	267.0	192.7
Dairyland	DS-7294	3110	94	241.7	16.7	1	715	3	214.6	260.8	134.2	277.1	259.9	196.1
Mustang	3294GENVT2P	VT2P	94	240.2	16.7	1	710	5	245.9	234.5	165.2	257.7	269.4	193.7
Mustang	3894GENSSRIB	STX,B	94	239.3	16.0	1	712	4	256.8	246.4	132.4	261.2	236.6	195.7
King Seed	4640-3110A	3110,A	94	238.3	16.6	1	705	6	247.9	239.5	131.5	253.0	254.4	196.5
Renk	RK522SSTX	STX,B	94	236.6	16.0	1	704	7	235.3	232.2	131.6	266.8	248.6	200.2
Wyffels	W1556 GC	VT2P	95	236.6	16.7	1	700	9	216.2	241.7	131.0	265.0	254.6	205.3
Mustang	3292GENVT2P	VT2P,B	92	236.3	16.4	1	701	8	248.9	242.0	131.0	255.6	243.2	192.0
Thunder	Exp 91	VT2P	91	234.9	16.0	1	699	10	224.1	230.5	131.0	260.3	250.5	209.3
REA	4B931-RIB	VT2P,B	93	234.9	16.2	1	698	11	215.0	238.1	131.0	271.6	257.2	192.5
Federal	4440VT2PRIB	VT2P,B	94	234.7	16.7	1	694	13	216.7	245.3	131.7	273.0	258.0	180.6
Latham	LH4242VT2ProRIB	VT2P,B	92	234.0	16.6	1	693	14	236.0	239.7	131.5	258.7	239.3	196.3
Renk	RK433VT2P	VT2P	92	233.4	16.6	1	691	16	250.0	240.1	131.6	241.3	242.6	193.0
AgVenture	AV4291V10	3110,A	91	232.8	16.9	1	687	18	206.7	241.4	131.5	270.3	267.4	178.1
Latham	LH4437VT2Pro	VT2P	94	232.2	16.6	1	687	19	204.0	245.7	131.9	269.5	255.9	185.9
Federal	4470VT2P	VT2P	94	232.2	16.6	1	687	20	219.2	244.4	131.2	266.9	240.9	189.5
Federal	4160VT2PRIB	VT2P,B	91	231.9	15.7	1	692	15	213.4	236.5	131.3	251.2	256.7	201.5
Proseed	1395VT2P	VT2P	95	231.8	16.5	1	687	21	226.4	245.5	131.7	256.2	242.1	188.8
Titan Pro	2M95-2P	VT2P,B	95	231.7	16.6	1	686	22	207.2	244.8	131.0	253.5	257.5	195.6
Mustang	4291GENVT2PRIB	VT2P,B	91	231.6	15.9	1	690	17	235.0	242.2	131.1	238.9	253.4	188.4
Proseed	PX595VT2P	VT2P	95	231.6	16.8	1	684	23	234.3	246.7	131.9	260.0	231.9	184.9
NorthStar	NS95-577VT2PRIB	VT2P,B	95	231.3	16.8	1	683	24	213.5	237.5	131.0	274.3	242.0	189.4
NuTech	5B-293	3010	93	231.1	17.1	1	681	27	228.4	247.9	131.6	255.8	252.3	171.0
Renk	RK568VT3P	VT3P	95	230.3	16.5	1	682	25	213.1	240.1	131.1	270.4	243.4	184.6
Thunder	7993VT2PRIB	VT2P,B	93	229.8	16.3	1	682	26	231.4	236.9	132.2	250.8	241.8	188.2
Federal	4560VT2PRIB	VT2P,B	95	229.7	16.6	1	680	29	193.7	246.1	135.6	267.0	257.3	184.5
Heine	627VT3PRORIB	VT3P,B	95	229.1	16.5	1	679	30	217.8	233.6	143.6	251.2	251.8	190.9
Latham	LH4529SS	STX	95	229.1	16.9	1	676	31	197.8	243.5	132.8	276.6	241.4	186.4
Integra	4122VT2PRIB	VT2P,B	91	228.4	15.8	1	681	28	226.2	223.8	157.6	249.1	240.5	202.3
Dekalb	DKC46-36RIB CK	STX,B	96	236.5	17.1	1	697	12	226.6	235.9	118.7	266.5	254.9	198.6

Data Rejected - Not in Summary

 Mark Tollefson mark.tollefson@firstseedtests.com, (507) 456-2357	Averages =	229.4	16.4	1	680	218.7	239.3	141.9	256.3	245.0	187.5
	LSD (0.10) =	11.4	0.3	ns		24.9	12.4	26.9	18.8	15.9	16.9
	LSD (0.25) =	8.0	0.2	ns		17.3	8.6	18.8	13.1	11.1	11.8

Previous years average yield for region, 167.5 bu/a, 14 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: 11/11/2016 Revised:

2016 Corn Grain Top 30 Performance Summary for South Dakota Northeast [SDNE]



Full-Season Test

96 - 100 Day CRM

B2016SDNEb

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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
Dyna-Gro	D39DC43	VT2P,DG	99	245.0	16.7	1	725	1	237.8	257.3	183.8	283.4	274.7	225.9
Mustang	5700GENVT2P	VT2P	100	241.4	16.6	1	715	2	220.1	261.6	185.5	273.6	272.3	213.9
Titan Pro	TP 65-00 2P	VT2P,DG	100	241.4	16.7	1	714	3	212.3	257.6	168.4	279.8	270.5	230.5
Golden Harvest	G96V99-3010	3010	96	233.9	16.9	1	691	4	215.5	238.9	178.1	264.8	277.5	210.4
Dairyland	DS-9599	3000GT	99	228.6	17.1	1	674	6	208.8	247.7	153.9	279.7	249.2	212.4
NuTech/G2 Gen	5F-196^	AM,B	96	226.8	16.0	1	675	5	199.8	246.1	173.2	265.9	260.1	188.5
Proseed	PX598SS	STX	98	226.4	16.7	1	670	8	189.3	246.0	158.4	268.8	254.4	204.6
Renk	RK608DGV2P	VT2P,DG	100	226.3	16.7	1	669	9	219.4	245.5	143.8	273.3	267.7	201.2
Mustang	6800GENSS	STX	100	226.1	17.6	1	664	13	149.3	246.9	158.4	268.0	247.7	209.7
Titan Pro	TP 54-98 2P	VT2P,B	98	226.0	16.6	1	669	10	229.5	243.4	164.0	276.9	245.7	200.0
Prairie Brand	4895GT3	3000GT	98	226.0	17.1	1	666	12	229.3	235.8	166.4	265.8	256.1	205.7
NuTech/G2 Gen	5F-198^	AM,B	98	225.4	15.5	1	673	7	241.3	238.7	166.6	265.2	255.5	200.8
NuTech	5N-800	3011,A	100	224.4	17.0	1	662	15	219.3	245.9	158.6	263.8	250.3	203.2
LG Seeds	LG5467STX	STX	97	224.3	16.1	1	667	11	199.0	238.7	154.2	269.9	254.7	203.9
Pfister	60B1SSR	STX,B	100	224.3	17.2	1	661	18	199.1	244.2	159.6	254.1	245.1	218.4
Prairie Brand	5026RA	STX,B	100	223.9	16.9	1	661	19	199.5	248.0	158.9	265.1	236.4	211.2
AgVenture	AV5799YHBW^	OIX,AQ	99	223.9	17.1	1	660	21	229.0	248.9	145.6	290.0	232.7	202.3
Latham	LH4955VT2ProRIB	VT2P,B	99	223.7	16.6	1	662	16	199.5	262.6	145.6	265.2	251.7	193.3
REA	4A962-RIB	STX,B	96	223.7	16.7	1	662	17	229.4	243.0	161.2	263.5	246.3	204.6
Latham	LH4727VT2ProRIB	VT2P,B	97	223.4	16.3	1	663	14	199.2	255.3	144.6	265.0	246.6	205.3
Heine	712VT2PRORIB	VT2P,B	100	222.8	16.9	1	658	22	219.2	236.0	167.9	258.2	244.7	207.2
Proseed	1399-GT3000	3000GT	99	222.6	16.8	2	658	23	219.3	222.7	157.4	271.1	264.8	196.9
Mustang	4298GENVT2PRIB	VT2P,B	98	222.5	16.2	2	661	20	199.5	249.4	134.4	278.9	242.0	207.9
Pioneer	P9929AMXT GC	AMXT,B	99	222.1	16.7	1	657	24	219.1	246.4	146.8	272.5	246.5	198.1
NorthStar	NS101-314GTA	GT,A	101	221.9	16.7	1	656	25	219.5	241.5	166.7	258.2	252.3	190.6
NorthStar	NS100-531GENSS	STX	100	221.8	17.3	1	653	30	164.0	249.0	154.1	258.3	244.6	202.9
Thunder	4600RR	RR2	100	221.7	17.2	1	653	31	154.0	234.2	151.5	272.0	251.0	200.0
Federal	4760VT2PRIB	VT2P,B	97	221.1	16.3	1	656	26	208.9	248.0	131.9	260.5	248.5	216.4
Integra	4652VT2PRIB	VT2P,B	96	221.0	16.4	1	655	28	185.5	243.7	148.8	255.0	251.2	206.1
Renk	RK612SSTX	STX,B	100	221.0	16.6	1	654	29	237.0	255.9	134.0	263.7	246.8	204.7
Dekalb	DKC46-36RIB CK	STX,B	96	221.1	16.5	1	655	27	201.5	242.7	155.7	260.9	247.2	199.1

Data Rejected - Not in Summary

	Averages =	221.7	16.7	1	656	199.8	242.3	153.1	264.2	246.6	202.2
Mark Tollefson	LSD (0.10) =	9.7	0.4	0		ns	12.8	20.4	15.1	15.3	18.7
mark.tollefson@firstseedtests.com, (507) 456-2357	LSD (0.25) =	6.7	0.3	0		46.5	9.0	14.2	10.5	10.7	13.0
Previous years average yield for region, 167.5 bu/a, 14 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: 11/11/2016 Revised:

2016 Corn Grain - South Dakota Northeast [SDNE]



Early-Season Test Products (54 Total)

Company/Brand	Product/Brand†	Technol.†	Seed Trt.†	RM
AgVenture	AV4291V10	3110,A	AVC,C2,Vi	91
AgVenture	AV4491YHBW^	OIX,B	MQ,P1V,R	91
AgVenture	RL4616HBW^	HXT,RR2	MQ,P5V,R	94
AgVenture	RL5015AMX^	AMX,B	MQ,P5V,R	95
Dairyland	DS-7294	3110	CM,C5,Vi,ln	94
Dekalb	DKC39-28RIB	VT2P,B	AC,P2	89
Dekalb	DKC46-36RIB CK	STX,B	AC,P5V	96
Dyna-Gro	D34VC54	VT2P	AC,P5V	94
Dyna-Gro	D35SS58	STX	AC,P5V	95
Federal	4160VT2PRIB	VT2P,B	AC,P2	91
Federal	4440VT2PRIB	VT2P,B	AC,P2	94
Federal	4470VT2P	VT2P	AC,P5V	94
Federal	4560VT2PRIB	VT2P,B	AC,P2	95
Heine	615VT2PRO	VT2P	AC,P5V	94
Heine	627VT3PRORIB	VT3P,B	AC,P2	95
Integra	4122VT2PRIB	VT2P,B	AC,P2	91
Integra	4342VT2PRIB	VT2P,B	AC,P2	93
King Seed	4640-3110A	3110,A	AVC,C2,Vi	94
Latham	LH4242VT2ProRIB	VT2P,B	AC,P2	92
Latham	LH4437VT2Pro	VT2P	AC,P5V	94
Latham	LH4454VT2ProRIB	VT2P,B	AC,P2	94
Latham	LH4529SS	STX	AC,P5V	95
Mustang	3292GENVT2P	VT2P,B	AC,P2	92
Mustang	3294GENVT2P	VT2P	AC,P2	94
Mustang	3894GENSSRIB	STX,B	AC,P5V	94
Mustang	4291GENVT2PRIB	VT2P,B	AC,P2	91
NorthStar	NS92-110VT2PRIB	VT2P,B	AC,P2	92
NorthStar	NS95-421GENSSRIB	STX,B	AC,P5V	95
NorthStar	NS95-577VT2PRIB	VT2P,B	AC,P2	95
NuTech	5B-293	3010	MQ,P5V,R	93
NuTech	5N-195	3000GT	MQ,P5V,R	95
NuTech/G2 Gen	X5Z-9103^	OI	MQ,P1V,R	91
NuTech/G2 Gen	X5Z-9501^	OI	MQ,P1V,R	95
Pioneer	P9526AMXT	AMXT,AQ,B	MQ,C2	95
Prairie Brand	4396GT3	3000GT	CM,C5,Vi,ln	93
Prairie Brand	4487AS3110	3110	CM,C5,Vi,ln	94
Proseed	1395VT2P	VT2P	AC,P2	95
Proseed	PX595VT2P	VT2P	AC,P2	95
Proseed	PX694VT2P	VT2P	AC,P2	94
REA	3A922-RIB	STX,B	AC,P5V	92
REA	4A942-RIB	STX,B	AC,P5V	94
REA	4B931-RIB	VT2P,B	AC,P5V	93

Company/Brand	Product/Brand†	Technol.†	Seed Trt.†	RM
Renk	RK433VT2P	VT2P	AC,P2	92
Renk	RK522SSTX	STX,B	AC,P5V	94
Renk	RK566SSTX	STX	AC,P5V	94
Renk	RK568VT3P	VT3P	AC,P2	95
Terning Seed	TS8249RR	RR2	AC,P2	95
Thunder	7993VT2PRIB	VT2P,B	AC,P2	93
Thunder	Exp 91	VT2P	AC,P2	91
Titan Pro	2M95-2P	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
Titan Pro	TP 61-94 3110A	3110,A	CM,C2	94
Wyffels	W1556 GC	VT2P	AC,P5V	95

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Full-Season Test Products (54 Total)

Company/Brand	Product/Brand†	Technol.†	Seed Trt.†	RM
AgVenture	AV5799YHBW^	OIX,AQ	MQ,P1V,R	99
AgVenture	RL5671AMX^	AMX,B	MQ,P5V,R	99
AgVenture	RL5718HBW^	HXT,RR2,AQ	MQ,P5V,R	99
Dairyland	DS-9198RA	STX,B	CM,C5,Vi,In	98
Dairyland	DS-9599	3000GT	CM,C5,Vi,In	99
Dairyland	DS-9701RA	STX,B	CM,C2	101
Dekalb	DKC46-36RIB CK	STX,B	AC,P5V	96
Dyna-Gro	D39DC43	VT2P,DG	AC,P5V	99
Federal	4760VT2PRIB	VT2P,B	AC,P2	97
Federal	4870SSTAX	STX	AC,P5V	98
Federal	5060SSTAX	STX	AC,P5V	100
Federal	5060VT2PRIB	VT2P,B	AC,P2	100
Golden Harvest	G96V99-3010	3010	AVC,C2,Vi	96
Heine	637VT2PRO	VT2P	AC,P2	99
Heine	712VT2PRORIB	VT2P,B	AC,P2	100
Integra	4652VT2PRIB	VT2P,B	AC,P2	96
Integra	4902GSS	STX	AC,P5V	99
Latham	LH4727VT2ProRIB	VT2P,B	AC,P2	97
Latham	LH4859SSRIB	STX,B	AC,P5V	98
Latham	LH4955VT2ProRIB	VT2P,B	AC,P2	99
Latham	LH5099SS	STX	AC,P5V	100
LG Seeds	LG5467STX	STX	AC,P5V	97
Mustang	4298GENVT2PRIB	VT2P,B	AC,P2	98
Mustang	5700GENVT2P	VT2P	AC,P2	100
Mustang	6800GENSS	STX	AC,P5V	100
NorthStar	NS100-531GENSS	STX	AC,P2	100
NorthStar	NS101-314GTA	GT,A	CM,C2	101
NuTech	5N-800	3011,A	MQ,P5V,R	100
NuTech	X5V-9901	3111,A	AVC,C2,Vi	99
NuTech/G2 Gen	5F-196^	AM,B	MQ,P5V	96
NuTech/G2 Gen	5F-198^	AM,B	MQ,P5V,R	98
NuTech/G2 Gen	X5Z-9902^	OI	MQ,P1V,R	99
Pfister	57A1SSR	STX,B	CM,C5,Vi,In	97
Pfister	60B1SSR	STX,B	CM,C5,Vi,In	100
Pioneer	P9834AMX GC	AMX,B	MQ,C2	98
Pioneer	P9929AMXT GC	AMXT,B	MQ,C2,Lu	99
Prairie Brand	4776RA	STX,B	CM,C5,Vi,In	97
Prairie Brand	4895GT3	3000GT	CM,C5,Vi,In	98
Prairie Brand	5026RA	STX,B	CM,C5,Vi,In	100
Proseed	1399-GT3000	3000GT	CM,C2	99
Proseed	1496SSRIB	STX,B	AC,P5	96
Proseed	PX598SS	STX	AC,P5	98

Company/Brand	Product/Brand†	Technol.†	Seed Trt.†	RM
REA	4A962-RIB	STX,B	AC,P5V	96
REA	5A981-RIB	STX,B	AC,P5V	98
REA	5A982-RIB	STX,B	AC,P5V	98
Renk	RK595SSTX	STX	AC,P5V	99
Renk	RK596SSTX	STX,B	AC,P5V	98
Renk	RK608DGV2P	VT2P,DG	AC,P2	100
Renk	RK612SSTX	STX,B	AC,P5V	100
Thunder	4600RR	RR2	AC,P2	100
Thunder	7396VT2PRIB	VT2P,B	AC,P2	96
Titan Pro	TP 54-98 2P	VT2P,B	AC,P2	98
Titan Pro	TP 65-00 2P	VT2P,DG	AC,P2	100
Titan Pro	TP 68-98 SS	STX	AC,P5V	98

Footnotes and Abbreviation Descriptions

Brand Footnotes

^	^ G2® brand seed is distributed by NuTech Seed, LLC. Catalyst™ and Power Plus® brand seed is distributed by Burrus. HPT® brand seed is distributed by Hoegemeyer Hybrids, Innotech™ brand seed is distributed by Rob-See-Co, LLC. RPM® brand seed is distributed by Doebler's PA Hybrids, Inc. Supreme EX® brand seed is distributed by Seed Consultants, Inc. VPMaxx® brand seed is distributed by AgVenture, Inc. XL® and Phoenix® brand seed is distributed by Beck's Superior Hybrids. Curry®, G2®, HPT®, Power Plus®, RPM®, Supreme EX®, VPMaxx® and XL® are registered trademarks of DuPont Pioneer. Catalyst™, Innotech™ and Phoenix® are trademarks of Syngenta.
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)	HX	Herculex® 1, contains LL
3010	Agrisure® 3010 (CB,LL,GT)	HX,RR2	Herculex® 1, Roundup Ready 2 Corn
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)
3122	Agrisure® 3122 (CB,HXX,RW,LL,GT)	HXT,RR2	Herculex® Xtra, Roundup Ready 2 Corn
3220	Agrisure® Viptera® 3220 (Vip,CB,HX,LL,GT)	LL	LibertyLink®
A	Agrisure® Artesian®	None	conventional corn
AM	Optimum® AcreMax® (YGCB,HX,LL,RR2)	OI	Optimum® Intrasect®, YHR (YGCB,HX,LL,RR2)
AMT	Optimum® AcreMax®TRIssect (HX,RW,LL,RR2)	OIX	Optimum® Intrasect® Xtra, YXR (YGCB,HXT,LL,RR2)
AMX	Optimum® AcreMax® Xtra (YGCB,HXT,LL,RR2)	OIXT	Optimum® Intrasect® Xtreme, CYXR (YGCB,HXT,RW,LL,RR2)
AMXT	Optimum® AcreMax® Xtreme (YGCB,HXT,RW,LL,RR2)	RR2	Roundup Ready® 2 Corn
AQ	Optimum® AQUAMax®	RW	Agrisure® Rootworm
B	Refuge Blend	STX	SmartStax® (VT3P,HXT,RR2,LL)
CB	Agrisure® Corn Boreer	VT2P	Genuity® VT Double PRO®
DG	Genuity® DroughtGard®	VT3P	Genuity® VT Triple PRO®
GT	Agrisure® GT	YGCB	YieldGard® Corn Borer
GT/CB/LL	Agrisure® GT/CB/LL		

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

Corn Seed Treatments**

n/a	information not provided	CE	Cruiser Extreme®	M	Maxim XL®
A	Allegiance®	CM	CruiserMaxx® Corn	MQ	Maxim Quattro®
AC	Acceleron® fungicide products	D	Dynasty®	None	untreated
ACHD	Acceleron® fungicide products	Es	Escalate®	P2, P5, P1	Poncho® at 0.25, 0.5 and 1.25 mg ai/seed, respectively
At	Actellic®	In	Intego™ Solo	R	Raxil®
AVC	Avicta® Complete Corn	L	Lorsban®	V	Votivo®
C2, C5, C1	Cruiser® at 0.25, 0.5 and 1.25 mg ai/seed, respectively	Lu	Lumivia™	Vi	Vibrance®

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