

2017 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
SOIL DESCRIPTION: Houdek-Prosper loam, moderately drained, non-irrigated
SOIL CONDITION: No-till, medium P, medium K, 4.8 pH, 3.3% OM, 20.5 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 12 30,500 /A 30" spacing
HARVESTED - STAND: Nov 13 29,400 /A

Early-Season Test

91 - 95 Day CRM
B2017SDNE11a

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
Heine	627VT3PRORIB	VT3P,B	95	160.2	15.4	3	29.5	479	1
Renk	RK568VT3P	VT3P,B	95	158.2	15.7	4	30.5	472	2
Legacy Seeds	L-3416VT2PRORIB	VT2P,B	94	156.5	15.4	7	29.5	468	3
Federal	4580VT2P	VT2P	95	154.1	15.5	11	29.5	460	4
REA	4A942-RIB	STX,B	94	151.7	15.5	11	29.0	453	5
Federal	4180VT2P	VT2P	91	150.0	15.3	4	29.0	449	6
Heine	632VT2PRORIB	VT2P,B	96	149.2	15.2	6	29.0	447	7
NuTech	5G-293	3010	93	149.0	15.9	20	31.0	444	9
NuTech/G2 Gen	X5FN-9502^	OI	95	148.6	15.7	6	27.1	443	10
Dyna-Gro	D34VC54	VT2P	94	145.8	15.3	10	27.6	436	11
Federal	4470VT2P	VT2P	94	144.6	15.5	10	29.5	432	12
Latham	LH4242VT2ProRIB	VT2P,B	92	143.9	15.5	3	28.6	430	13
Dairyland	DS-6091	RR2	91	143.8	15.5	5	31.5	430	14
Anderson	795R GC	RR2	95	143.3	15.4	11	30.5	428	15
LG Seeds	LG5420-3110A	3110,A	94	142.1	15.4	6	30.5	425	16
Dairyland	DS-7294	3110	94	142.1	15.3	13	29.0	425	17
Thunder	7993VT2PRIB	VT2P,B	93	141.4	15.5	6	27.6	422	18
Mustang	3294VT2PRIB	VT2P,B	94	140.1	15.2	3	29.0	420	19
Hefty	H4102VT2PRIB	VT2P,B	91	138.4	15.1	10	26.6	415	20
Hefty	H4402VT2PRIB	VT2P,B	94	137.9	15.3	6	31.0	413	21
Mustang	3292VT2PRIB	VT2P,B	92	137.9	15.6	7	30.5	412	22
Heine	615VT2PRO	VT2P	95	137.2	15.2	16	29.0	411	23
Latham	LH4147VT2ProRIB	VT2P,B	91	136.4	15.3	10	29.5	408	24
Federal	4185VT2P	VT2P	91	136.0	14.8	6	31.0	408	25
Heine	6200VT2PRO	VT2P	95	135.0	15.6	7	30.5	403	26
Golden Harvest	G90Y04-3110A	3110,A	92	134.8	15.4	18	30.0	403	27
Renk	RK522SSTX	STX,B	94	134.6	15.3	9	27.1	403	28
Latham	LH4454VT2ProRIB	VT2P,B	94	133.6	15.6	6	29.5	399	29
Mustang	4895SSRIB	STX,B	95	133.4	15.6	3	30.5	398	30
Thunder	6791VT2PRIB	VT2P,B	91	132.1	15.2	4	28.1	396	31
Dekalb	DKC46-36RIB CK	STX,B	96	148.7	15.4	10	28.6	445	8

Mark Tollefson
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Averages =	137.1	15.3	7	29.4	410
LSD (0.10) =	19.0	0.2	ns		
LSD (0.25) =	10.0	0.1	3		
C.V. =	13.2	Prev. years average yield, 147.9 bu/a, 9 yrs			

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

Test Comments: This plot was in great shape during the last week of June. The soil started to dry out soon after and July rainfall was limited. A wind storm in July brought 70 mph winds along with hail that caused crop damage. At harvest, goosenecked and lodged corn was widespread throughout the tests. Yields were affected by the damage and resulted in variable yields across replications of the same product.

† 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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PEST MANAGEMENT: Force, Harness Xtra, Roundup (twice)
FERTILITY - Applied N: 160 Spring
Applied N-P-K (units): 160-50-40
SEEDING - RATE - ROW: May 12 30,500 /A 30" spacing
HARVESTED - STAND: Nov 13 28,700 /A

Full-Season Test
96 - 100 Day CRM
B2017SDNE11b

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
NuTech/G2 Gen	5F-196^	AM,B	96	153.4	15.5	13	28.6	458	1
Heine	6350VT2PRO	VT2P	97	152.0	15.7	4	29.0	453	2
Latham	LH4919SS	STX	99	147.2	15.6	14	28.1	439	3
Hefty	H5003VT2PDGRIB	VT2P,DG,B	100	144.9	15.2	4	29.5	434	4
Heine	6250VT2PRO	VT2P	96	144.0	15.6	6	29.0	430	5
Federal	4880VT2P	VT2P	98	143.6	15.7	4	28.1	428	7
Latham	LH5025VT2ProDG	VT2P,DG	100	143.4	15.3	7	29.5	429	6
Legacy Seeds	L-3712VT2PRORIB	VT2P,B	96	142.4	15.7	5	30.0	425	9
Mustang	5299VT2PRIB	VT2P,B	99	142.3	15.3	6	29.0	426	8
Hefty	H4812VT2P	VT2P	98	142.3	15.5	4	26.6	425	10
LG Seeds	LG5494VT2P	VT2P	99	142.1	15.3	7	29.0	425	11
REA	4A973	STX,B	97	142.0	15.4	7	29.5	425	12
Renk	RK608DGV2P	VT2P,DG,B	100	138.2	15.1	6	26.6	414	13
Latham	LH5095VT2ProRIB	VT2P,B	100	137.7	15.4	6	27.1	412	14
Heine	712STXRIB	STX,B	100	137.5	15.5	4	29.5	411	15
LG Seeds	LG5465VT2P	VT2P	97	137.2	15.7	10	29.0	409	16
Mustang	5700VT2PDGRIB	VT2P,DG,B	100	136.8	15.3	7	28.1	409	17
Federal	4770VT2PRIB	VT2P,B	97	135.7	15.2	6	30.5	406	18
REA	5A981-RIB	STX,B	98	135.0	15.6	4	30.5	403	19
Dyna-Gro	D39DC43	VT2P,DG	99	134.5	15.1	6	29.0	403	20
Hefty	H4912VT2P	VT2P	99	133.2	15.3	10	30.0	399	21
Mustang	4296VT2PRIB	VT2P,B	96	132.3	15.3	6	29.5	396	22
Thunder	4600RR	RR2	100	132.0	15.7	7	29.5	394	23
Mustang	4297VT2PRIB	VT2P,B	97	131.2	15.5	6	29.0	392	24
Federal	5060SSTXRIB	STX,B	100	130.3	15.9	6	27.6	388	26
Latham	LH4657VT2Pro	VT2P	96	130.1	15.3	14	27.6	389	25
Legacy Seeds	L-3816VT2PRODG	VT2P,B	98	128.0	15.1	6	26.1	384	27
NuTech/G2 Gen	5FN-5096^	OI	96	127.3	15.4	8	27.6	381	29
Renk	RK612SSTX	STX,B	100	125.5	15.5	11	32.4	375	30
REA	5A982-RIB	STX,B	98	124.7	15.3	10	31.0	373	31
Dekalb	DKC46-36RIB CK	STX,B	96	127.7	15.4	8	29.0	382	28

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Averages =	129.1	15.4	7	28.7	386
LSD (0.10) =	13.4	0.2	5		
LSD (0.25) =	7.0	0.1	2		
C.V. =	9.8				
					Prev. years average yield, 147.9 bu/a, 9 yrs

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

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Early-Season Test Products (45 Total)

Company/Brand	Product/Brand	Technol.	Seed Trt.	RM	Company/Brand	Product/Brand	Technol.	Seed Trt.	RM
Anderson	795R GC	RR2	MQ	95					
Dairyland	DS-6091	RR2	CM,C2	91					
Dairyland	DS-7294	3110	CM,C5,Vi,ln	94					
Dekalb	DKC44-13RIB GC	STX,B	AC,P5V	94					
Dekalb	DKC46-36RIB CK	STX,B	AC,P5V	96					
Dyna-Gro	D34VC54	VT2P	AC,P5V	94					
Federal	4180VT2P	VT2P	AC,P5V	91					
Federal	4185VT2P	VT2P	AC,P5V	91					
Federal	4470VT2P	VT2P	AC,P5V	94					
Federal	4580VT2P	VT2P	AC,P5V	95					
Golden Harvest	G90Y04-3110A	3110,A	AVC,C2,Vi	92					
Golden Harvest	G94U87-3110A	3110,A	AVC,C2,Vi	94					
Hefty	H4102VT2PRIB	VT2P,B	AC,P2,ln	91					
Hefty	H4402VT2PRIB	VT2P,B	AC,P2,ln	94					
Heine	615VT2PRO	VT2P	AC,P5V	95					
Heine	6200VT2PRO	VT2P	AC,P5V	95					
Heine	627VT3PRORIB	VT3P,B	AC,P2	95					
Heine	632VT2PRORIB	VT2P,B	AC,P2	96					
King Seed	4640-3010A	3010,A	CM,C2	94					
Latham	LH4147VT2ProRIB	VT2P,B	AC,P2	91					
Latham	LH4242VT2ProRIB	VT2P,B	AC,P2	92					
Latham	LH4437VT2ProRIB	VT2P,B	AC,P2	94					
Latham	LH4454VT2ProRIB	VT2P,B	AC,P2	94					
Legacy Seeds	L-3017VT2PRO	VT2P	AC,P2	90					
Legacy Seeds	L-3115VT2PRORIB	VT2P,B	AC,P2	92					
Legacy Seeds	L-3416VT2PRORIB	VT2P,B	AC,P2	94					
Legacy Seeds	LX-3047VT2PRO	VT2P	AC,P2	91					
LG Seeds	LG5420-3110A	3110,A	AC,P5V	94					
Mustang	3292VT2PRIB	VT2P,B	AC,P2	92					
Mustang	3294VT2PRIB	VT2P,B	AC,P2	94					
Mustang	4291VT2PRIB	VT2P,B	AC,P2	91					
Mustang	4895SSRIB	STX,B	AC,P2	95					
NuTech	5G-293	3010	MQ,P5V,R	93					
NuTech/G2 Gen	X5FN-9502^	OI	MQ,P1V,R	95					
REA	3A922-RIB	STX,B	AC,P5V	92					
REA	3B910	VT2P,B	AC,P5V	91					
REA	4A942-RIB	STX,B	AC,P5V	94					
REA	4B931-RIB	VT2P,B	AC,P5V	93					
Renk	RK522SSTX	STX,B	AC,P5V	94					
Renk	RK566SSTX	STX,B	AC,P5V	94					
Renk	RK568VT3P	VT3P,B	AC,P5V	95					
Thunder	6791VT2PRIB	VT2P,B	AC,P2	91					
Thunder	6794VT2PRIB	VT2P,B	AC,P2	94					
Thunder	7793SSRIB	STX,B	AC,P2	93					
Thunder	7993VT2PRIB	VT2P,B	AC,P2	93					

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Full-Season Test Products (45 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					
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	4770VT2PRIB	VT2P,B	AC,P2	97					
Federal	4880VT2P	VT2P	AC,P5V	98					
Federal	5060SSTAXRIB	STX,B	AC,P5V	100					
Golden Harvest	G96V99-3120-EZR	3120,B	AVC,C2,Vi	96					
Golden Harvest	G98L17-3000GT	3000GT	AVC,C2,Vi	98					
Hefty	H4612VT2P	VT2P	AC,P2,In	96					
Hefty	H4812VT2P	VT2P	AC,P2,In	98					
Hefty	H4912VT2P	VT2P	AC,P2,In	99					
Hefty	H5003VT2PDGRIB	VT2P,DG,B	AC,P2,In	100					
Heine	6250VT2PRO	VT2P	AC,P5V	96					
Heine	6350VT2PRO	VT2P	AC,P5V	97					
Heine	637STX	STX	AC,P5V	99					
Heine	712STXRIB	STX,B	AC,P5V	100					
Latham	LH4657VT2Pro	VT2P	AC,P5V	96					
Latham	LH4919SS	STX	AC,P5V	99					
Latham	LH5025VT2ProDG	VT2P,DG	AC,P5	100					
Latham	LH5095VT2ProRIB	VT2P,B	AC,P2	100					
Legacy Seeds	L-3712VT2PRORIB	VT2P,B	AC,P2	96					
Legacy Seeds	L-3816VT2PRODG	VT2P,B	AC,P2	98					
Legacy Seeds	L-3916GENSSRIB	STX,B	AC,P5V	99					
LG Seeds	LG5465VT2P	VT2P	AC,P5V	97					
LG Seeds	LG5494VT2P	VT2P	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	5700VT2PDGRIB	VT2P,DG,B	AC,P2	100					
NuTech	5N-800	3011,A	MQ,P5V,R	100					
NuTech/G2 Gen	5F-196^	AM,B	MQ,P5V,R	96					
NuTech/G2 Gen	5FN-5096^	OI	MQ,P1V,R	96					
NuTech/G2 Gen	5FN-6097^	OI	MQ,P1V,R	97					
NuTech/G2 Gen	5FN-7099^	OI	MQ,P1V,R	99					
REA	4A973	STX,B	AC,P5V	97					
REA	5A001	STX,B	AC,P5V	100					
REA	5A981-RIB	STX,B	AC,P5V	98					
REA	5A982-RIB	STX,B	AC,P5V	98					
Renk	RK595SSTX	STX,B	AC,P5V	99					
Renk	RK608DGV2P	VT2P,DG,B	AC,P2	100					
Renk	RK612SSTX	STX,B	AC,P5V	100					
Thunder	4600RR	RR2	AC,P2	100					
Thunder	6798VT2PRIB	VT2P,B	AC,P2	98					
Thunder	7396VT2PRIB	VT2P,B	AC,P2	96					

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)	GT	Agrisure [®] GT
3010	Agrisure [®] 3010 (CB,LL,GT)	HX	Herculex [®] 1, contains LL
3011,A	Agrisure [®] Artesian [®] (CB,RW,LL,GT)	HXRW	Herculex [®] Rootworm, contains LL
3110	Agrisure [®] Viptera [®] 3110 (Vip, CB,LL,GT)	HXT	Herculex [®] Xtra (HX,HXRW,LL)
3111	Agrisure [®] Viptera [®] 3111 (Vip,CB,RW,LL,GT)	LL	LibertyLink [®]
3120	Agrisure [®] 3120 (CB,HX,LL,GT)	None	conventional corn
3122	Agrisure [®] 3122 (CB,HXX,RW,LL,GT)	OI	Optimum [®] Intrasect [®] , YHR (YGCB,HX,LL,RR2)
3220	Agrisure [®] Viptera [®] 3220 (Vip,CB,HX,LL,GT)	OIX	Optimum [®] Intrasect [®] Xtra, YXR (YGCB,HXT,LL,RR2)
A	Agrisure [®] Artesian [®]	OIXT	Optimum [®] Intrasect [®] Xtreme (YGCB,HXT,RW,LL,RR2)
AM	Optimum [®] AcreMax [®] (YGCB,HX,LL,RR2)	PC	PowerCore™ (HX, VT2P)
AMT	Optimum [®] AcreMax [®] TRIsect (HX,RW,LL,RR2)	RR2	Roundup Ready [®] 2 Corn
AMX	Optimum [®] AcreMax [®] Xtra (YGCB,HXT,LL,RR2)	RW	Agrisure [®] Rootworm
AMXT	Optimum [®] AcreMax [®] Xtreme (YGCB,HXT,RW,LL,RR2)	STX	SmartStax [®] (VT3P,HXT,RR2,LL)
AQ	Optimum [®] AQUAMax [®]	VT2P	Genuity [®] VT Double PRO [®]
B	Refuge Blend	VT3P	Genuity [®] VT Triple PRO [®]
CB	Agrisure [®] Corn Borer	YGCB	YieldGard [®] Corn Borer
DG	Genuity [®] DroughtGard [®]		

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

Corn Seed Treatments**

?	information unavailable	In	Intego™ Solo
A	Allegiance [®]	L	Lorsban [®]
AC	Acceleron [®] fungicide products	Lu	Lumivia™
AL2500	Alert 2500™	M	Maxim XL [®]
At	Actellic [®]	MQ	Maxim Quattro [®]
AVC	Avicta [®] Complete Corn	None	untreated
C2, C5, C1	Cruiser [®] at 0.25, 0.5 and 1.25 mg ai/seed, respectively	P2, P5, P1	Poncho [®] at 0.25, 0.5 and 1.25 mg ai/seed, respectively
CE	Cruiser Extreme [®]	R	Raxil [®]
CM	CruiserMaxx [®] Corn	SC	SHIELDCoat™
D	Dynasty [®]	V	Votivo [®]
Es	Escalate [®]	Vi	Vibrance [®]

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