

2017 Corn Grain Top 30 Harvest Report

South Dakota Northeast [SDNE] WEBSTER
Fred Zenk, Day County, SD 57274



PREV. CROP/HERB: Corn / Roundup
SOIL DESCRIPTION: Poinsett-Rusklyn-Waubay silty clay loam, mod. well drained, non-irrigated
SOIL CONDITION: No-till, very high P, very high K, 7.7 pH, 4.7% OM, 22.9 CEC
PEST MANAGEMENT: Force, Roundup, DiFlexx, Destiny
FERTILITY - Applied N: 148 Spring
Applied N-P-K (units): 148-17-10
SEEDING - RATE - ROW: May 24 30,500 /A 30" spacing
HARVESTED - STAND: Nov 3 28,400 /A

Early-Season Test

91 - 95 Day CRM
B2017SDNE10a

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
Hefty	H4102VT2PRIB	VT2P,B	91	228.6	19.9	2	27.6	658	1
NuTech	5G-293	3010	93	224.4	20.7	9	29.0	641	2
Heine	627VT3PRORIB	VT3P,B	95	223.2	20.8	2	25.7	637	3
Federal	4580VT2P	VT2P	95	221.6	21.3	4	30.0	630	5
Latham	LH4147VT2ProRIB	VT2P,B	91	221.2	20.0	2	29.5	636	4
Latham	LH4242VT2ProRIB	VT2P,B	92	217.6	21.1	3	30.5	620	8
Dyna-Gro	D34VC54	VT2P	94	217.3	20.1	8	28.6	624	6
Heine	632VT2PRORIB	VT2P,B	96	216.9	20.3	5	29.0	622	7
Latham	LH4454VT2ProRIB	VT2P,B	94	216.0	20.9	4	27.1	616	9
Thunder	7993VT2PRIB	VT2P,B	93	215.7	20.7	3	29.0	616	10
Golden Harvest	G90Y04-3110A	3110,A	92	211.4	19.6	15	30.0	610	12
REA	3B910	VT2P,B	91	211.1	19.2	2	28.1	611	11
Dekalb	DKC44-13RIB GC	STX,B	94	209.3	19.8	6	29.5	603	13
Heine	6200VT2PRO	VT2P	95	208.1	21.1	4	30.0	593	14
LG Seeds	LG5420-3110A	3110,A	94	208.0	20.9	9	26.1	593	15
Latham	LH4437VT2ProRIB	VT2P,B	94	205.8	21.1	5	29.5	586	19
King Seed	4640-3010A	3010,A	94	205.5	20.1	3	28.6	590	16
REA	4A942-RIB	STX,B	94	204.9	19.9	5	28.1	590	17
Thunder	6791VT2PRIB	VT2P,B	91	204.5	20.1	2	26.6	587	18
Mustang	3294VT2PRIB	VT2P,B	94	202.3	20.4	5	28.1	580	20
Federal	4470VT2P	VT2P	94	200.2	20.9	5	27.6	571	22
Legacy Seeds	L-3416VT2PRORIB	VT2P,B	94	197.4	20.6	7	29.5	565	24
Heine	615VT2PRO	VT2P	95	197.3	21.1	4	28.1	562	25
Federal	4185VT2P	VT2P	91	196.8	19.7	2	29.5	567	23
Hefty	H4402VT2PRIB	VT2P,B	94	196.5	20.5	4	29.0	562	26
Mustang	3292VT2PRIB	VT2P,B	92	195.7	20.6	2	27.1	560	27
Renk	RK568VT3P	VT3P,B	95	195.3	20.5	4	28.6	559	28
Thunder	7793SSRIB	STX,B	93	193.7	19.6	3	26.6	559	29
Renk	RK522SSTX	STX,B	94	191.8	20.3	2	28.1	550	30
Dairyland	DS-7294	3110	94	191.5	20.2	6	28.6	550	31
Dekalb	DKC46-36RIB CK	STX,B	96	200.1	20.6	3	28.6	572	21

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

Averages =	198.2	20.3	4	28.4	568
LSD (0.10) =	22.3	0.6	4		
LSD (0.25) =	11.7	0.3	2		
C.V. =	10.7	Prev. years average yield, 162.3 bu/a, 7 yrs			

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

Test Comments: In June, the site received 6" of rain that helped the crop get through a very dry July in good condition. During the last week of July, rains started to fall adding yields. This season, the crop was slow to mature and grain moistures are over 20 percent at harvest. We had goosenecked corn in parts of the plot and caused harvest issues. Some wildlife damage in certain areas added to yield variability.

† 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, Roundup, DiFlexx, Destiny
FERTILITY - Applied N: 148 Spring
Applied N-P-K (units): 148-17-10
SEEDING - RATE - ROW: May 24 30,500 /A 30" spacing
HARVESTED - STAND: Nov 3 28,300 /A

Full-Season Test
96 - 100 Day CRM
B2017SDNE10b

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
Latham	LH4657VT2Pro	VT2P	96	242.8	21.8	4	27.1	687	1
Latham	LH5025VT2ProDG	VT2P,DG	100	240.7	21.7	2	27.1	682	5
Hefty	H4612VT2P	VT2P	96	240.3	21.0	5	29.0	685	3
Mustang	4296VT2PRIB	VT2P,B	96	239.8	21.0	3	30.0	683	4
Hefty	H4812VT2P	VT2P	98	239.2	21.7	5	27.6	678	7
Golden Harvest	G96V99-3120-EZR	3120,B	96	237.9	20.9	12	30.0	679	6
Mustang	4297VT2PRIB	VT2P,B	97	236.5	22.2	6	30.5	667	9
Hefty	H5003VT2PDGRIB	VT2P,DG,B	100	236.1	22.4	3	29.5	665	11
Heine	6350VT2PRO	VT2P	97	235.6	20.7	5	28.1	673	8
Federal	4880VT2P	VT2P	98	234.0	20.9	5	30.0	667	10
Renk	RK608DGV2P	VT2P,DG,B	100	231.6	21.8	3	27.6	655	12
Federal	5060SSTXRIB	STX,B	100	230.9	23.2	2	29.0	645	17
REA	4A973	STX,B	97	229.1	21.4	2	28.6	651	13
LG Seeds	LG5494VT2P	VT2P	99	228.8	22.0	1	29.0	646	16
Latham	LH5095VT2ProRIB	VT2P,B	100	228.3	21.6	2	27.6	647	14
Heine	712STXRIB	STX,B	100	227.3	22.7	2	28.1	638	20
REA	5A001	STX,B	100	226.0	23.8	6	27.1	628	22
Thunder	7396VT2PRIB	VT2P,B	96	225.9	20.4	1	27.1	647	15
Hefty	H4912VT2P	VT2P	99	224.8	21.6	3	29.5	637	21
Mustang	5299VT2PRIB	VT2P,B	99	224.6	21.0	2	28.6	640	19
Thunder	6798VT2PRIB	VT2P,B	98	224.2	20.7	2	27.6	641	18
Mustang	5700VT2PDGRIB	VT2P,DG,B	100	222.6	22.2	3	26.6	628	23
REA	5A981-RIB	STX,B	98	220.5	22.6	4	30.5	620	26
Dyna-Gro	D39DC43	VT2P,DG	99	220.1	21.9	2	30.0	622	25
Legacy Seeds	L-3712VT2PRORIB	VT2P,B	96	219.4	21.0	3	29.0	625	24
LG Seeds	LG5465VT2P	VT2P	97	218.0	22.2	2	25.7	615	28
Dairyland	DS-9599	3000GT	99	217.6	22.4	4	28.1	613	30
Renk	RK612SSTX	STX,B	100	217.1	21.2	8	28.6	618	27
Renk	RK595SSTX	STX,B	99	216.3	21.9	1	29.5	612	31
Federal	4760VT2PRIB	VT2P,B	97	214.8	20.5	6	28.6	615	29
Dekalb	DKC46-36RIB CK	STX,B	96	240.9	20.9	4	29.0	687	2

Mark Tollefson
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Averages =	222.3	21.8	3	28.3	629
LSD (0.10) =	13.6	0.7	3		
LSD (0.25) =	7.1	0.4	2		
C.V. =	5.8	Prev. years average yield, 162.3 bu/a, 7 yrs			

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

Test Comments: *In June, the site received 6" of rain that helped the crop get through a very dry July in good condition. During the last week of July, rains started to fall adding yields. This season, the crop was slow to mature and grain moistures are over 20 percent at harvest. We had goosenecked corn in parts of the plot and caused harvest issues. Some wildlife damage in certain areas added to yield variability.*

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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. VPMa [®] 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 [®] , VPMa [®] 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.