

## 2018 Corn Grain Top 30 Harvest Report

South Dakota Southeast [ SDSE ] FLANDREAU  
Stuart Benson, Moody County, SD 57028



PREV. CROP/HERB: Soybean / Roundup, Flexstar  
SOIL DESCRIPTION: Moody silty clay loam, well drained, non-irrigated  
SOIL CONDITION: Conventional w/ fall till, low P, high K, 6.3 pH, 4.4% OM, 25.9 CEC  
PEST MANAGEMENT: Force, Roundup, Resicore  
FERTILITY - Applied N: 140 Fall  
Applied N-P-K (units): 140-70-70  
SEEDING - RATE - ROW: May 6 32,500 /A 30" spacing  
HARVESTED - STAND: Nov 13 30,600 /A

**Early-Season Test**  
**98 - 102 Day CRM**  
B2018SDSE08a

### 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	LH5245VT2ProRIB	VT2P,B	102	<b>261.2</b>	16.4	1	31.0	774	1
Dyna-Gro	D43VC81	VT2P	102	<b>260.9</b>	17.0	1	29.5	770	2
Wyffels	W2506	VT2P	101	<b>257.3</b>	16.4	1	31.5	763	3
Hefty	H5024SS	STX	100	<b>255.0</b>	16.0	1	30.5	759	4
Hefty	H5212VT2PRIB	VT2P,B	102	<b>253.4</b>	16.4	1	30.5	751	5
Thunder	6999VT2P	VT2P	99	<b>249.0</b>	16.3	1	31.0	739	6
Heine	7000VT2PRO	VT2P	100	<b>248.2</b>	16.6	1	31.0	735	7
Latham	LH4937VT2Pro	VT2P	99	246.1	16.3	1	31.5	730	9
Renk	8-593SSTX	STX	99	245.8	16.0	2	31.5	731	8
Mustang	5299VT2PRIB	VT2P,B	99	244.8	16.3	1	31.9	726	10
Wyffels	W2196RIB	VT2P,B	99	243.4	16.1	1	29.0	724	11
NuTech/G2 Gen	5F-702	AM,B	102	241.3	16.2	1	30.5	717	12
Hefty	H4922VT2P	VT2P	99	239.8	16.1	1	30.5	713	13
Heine	6500VT2PRO	VT2P	99	239.6	16.3	1	30.0	711	14
NuTech	5N-800	3011,A	100	239.6	16.7	1	30.5	709	15
LG Seeds	LG5465VT2RIB	VT2P,B	97	235.2	16.0	2	31.0	700	16
Renk	RK604SSTX	STX	102	235.1	16.4	1	31.0	697	18
Latham	LH5025VT2ProDGRIB	VT2P,DG,B	100	235.0	16.0	1	31.0	699	17
Pfister	60C2PC	PC	100	234.5	16.9	1	31.5	692	20
REA	5A023-RIB	STX,B	102	233.9	17.5	2	31.9	687	24
NK Brand	NK9852-3010	3010	98	233.2	15.9	1	30.0	694	19
Thunder	8902SS	STX	102	233.0	17.1	1	30.0	687	25
Heine	739VT2PRORIB	VT2P,B	102	232.6	16.6	1	31.0	688	23
Mustang	7202VT2P	VT2P,B	102	231.9	16.0	1	30.5	690	21
LG Seeds	LG5505STXRIB	STX,B	101	231.5	16.4	2	30.0	686	26
Dairyland	DS-7101	PC	101	231.2	16.8	1	30.0	683	28
NuTech/G2 Gen	5F-198	AM,B	98	230.7	15.4	1	30.0	690	22
Thunder	7800DGVT2P	VT2P,DG,B	100	230.1	16.1	2	30.5	684	27
Golden Harvest	G00H12-3010	3010	100	227.5	16.4	2	31.5	675	30
Wyffels	W3076RIB	VT2P,B	102	227.3	16.0	1	30.5	676	29
Dekalb	DKC54-38RIB CK	STX,B	104	227.1	17.0	1	31.0	670	32

Mark Tollefson

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Averages = **233.5** **16.3** **1** **30.6** **692**

LSD (0.10) = 13.6 0.4 ns

LSD (0.25) = 7.1 0.2 ns

C.V. = 5.5 Prev. years average yield, 206.6 bu/a, 10 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 weed-free and standing well at harvest. We had good yields and data quality was strong with little variation across the entire field. The highlight of the growing season was receiving above average rainfall. Harvest has been slow in the area with weather that has featured rain, snow and cold temperatures.*

† 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, Resicore  
 FERTILITY - Applied N: 140 Fall  
 Applied N-P-K (units): 140-70-70  
 SEEDING - RATE - ROW: May 6 32,500 /A 30" spacing  
 HARVESTED - STAND: Nov 13 30,600 /A

**Full-Season Test**  
**103 - 107 Day CRM**  
 B2018SDSE08b

**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
Pfister	66Y3PE	PC,E	106	<b>263.7</b>	18.2	1	26.1	770	1
Pfister	64F1PE	PC,E	104	<b>261.3</b>	18.0	2	31.9	764	3
Latham	LH5487VT2Pro	VT2P	104	<b>260.9</b>	17.2	1	31.9	768	2
Hefty	H5524SS	STX	105	<b>257.7</b>	17.3	1	30.5	758	4
Heine	7600VT2PRO	VT2P	106	<b>256.9</b>	17.3	1	31.5	756	5
Dairyland	DS-7603PE	PC,E	103	<b>256.7</b>	17.9	1	31.0	751	6
Latham	LH5742RR	RR2	107	<b>255.7</b>	18.3	1	31.5	746	9
Wyffels	W5626	VT2P	108	254.6	17.3	1	31.9	749	7
LG Seeds	LG53C50STX	STX	103	253.6	17.1	1	30.0	747	8
Hefty	H5522VT2P	VT2P	105	251.5	17.2	1	30.5	741	10
REA	6D042	VT2P,DG,B	104	249.6	16.7	2	30.0	738	11
Dekalb	DKC54-40RIB GC	VT2P,B	104	248.6	17.3	1	31.9	732	12
Dairyland	RPM-4318AM	AM,B	104	246.8	17.4	1	31.0	726	13
NuTech/G2 Gen	5D-906	AMX,B	106	246.7	18.0	2	31.9	722	19
NuTech/G2 Gen	E5FN-A604	OI	104	246.3	17.4	1	31.5	724	15
Mustang	6805SSRIB	STX,B	105	245.8	17.3	1	31.0	723	16
LG Seeds	LG5525VT2RIB	VT2P,B	105	245.8	17.3	1	30.5	723	17
Heine	752VT2PRORIB	VT2P,B	105	244.6	16.4	1	30.5	725	14
Golden Harvest	G05K08-3010A	3010,A	105	243.4	16.2	1	31.0	723	18
Wyffels	W4196RIB	VT2P,B	105	242.4	17.3	1	30.5	713	20
NK Brand	NK0602-3010	3010	106	242.1	17.5	1	29.0	711	21
Renk	RK737SSTX	STX	106	241.5	17.6	2	31.0	709	22
Wyffels	W5516RIB	VT2P,B	108	238.4	17.4	4	30.5	701	24
Pfister	63A3SSR	STX,B	103	234.3	17.4	2	31.5	689	27
NK Brand	NK0330-3120-EZR	3120,B	103	233.8	16.2	1	29.5	694	25
Hefty	H5624SS	STX	106	233.7	17.2	1	30.0	688	29
Heine	740VT2PRORIB	VT2P,B	103	233.5	16.9	1	29.0	689	28
Dairyland	RPM-4319AM	AM,B	103	233.5	17.4	1	27.1	686	30
Latham	LH5635VT2ProRIB	VT2P,B	106	233.0	16.5	1	31.0	690	26
Dyna-Gro	D44VC36	VT2P	104	230.7	16.7	1	32.4	682	31
Dekalb	DKC54-38RIB CK	STX,B	104	239.2	17.3	1	30.5	704	23

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Averages =	<b>240.2</b>	<b>17.3</b>	<b>1</b>	<b>30.6</b>	<b>707</b>
LSD (0.10) =	15.5	0.3	ns		
LSD (0.25) =	8.1	0.2	ns		
C.V. =	6.1			Prev. years average yield, 206.6 bu/a, 10 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 weed-free and standing well at harvest. We had good yields and data quality was strong with little variation across the entire field. The highlight of the growing season was receiving above average rainfall. Harvest has been slow in the area with weather that has featured rain, snow and cold temperatures.*

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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
Dairyland	DS-7101	PC	CM,C5,Vi,In	101					
Dairyland	RPM-4018AM	AM,AQ,B	MQ,P5V,R	101					
Dairyland	RPM-4019AM	AM,B	CM,C2,R,Lu	99					
Dekalb	DKC50-08RIB GC	STX,B	AC,P5V	100					
Dekalb	DKC54-38RIB CK	STX,B	AC,P5V	104					
Dyna-Gro	D43VC81	VT2P	AC,P5V	102					
Golden Harvest	G00H12-3010	3010	AVC,C2,Vi	100					
Golden Harvest	G02W74-3000GT	3000GT	AVC,C2,Vi	102					
Golden Harvest	G98B71-3010	3010	AVC,C2,Vi	98					
Hefty	H4922VT2P	VT2P	HC	99					
Hefty	H5003VT2PDGRIB	VT2P,DG,B	HC	100					
Hefty	H5024SS	STX	HC	100					
Hefty	H5212VT2PRIB	VT2P,B	HC	102					
Heine	6500VT2PRO	VT2P	AC,P5V	99					
Heine	7000VT2PRO	VT2P	AC,P5V	100					
Heine	7222STX	STX	AC,P5V	101					
Heine	739VT2PRORIB	VT2P,B	AC,P2	102					
Latham	LH4937VT2Pro	VT2P	AC,P5V	99					
Latham	LH5025VT2ProDGRIB	VT2P,DG,B	AC,P2	100					
Latham	LH5137VT2Pro	VT2P	AC,P5V	101					
Latham	LH5245VT2ProRIB	VT2P,B	AC,P2	102					
LG Seeds	LG5465VT2RIB	VT2P,B	AC,P5V	97					
LG Seeds	LG5494VT2RIB	VT2P,B	AC,P5V	99					
LG Seeds	LG5505STXRIB	STX,B	AC,P5V	101					
Mustang	5299VT2PRIB	VT2P,B	AC,P2	99					
Mustang	7202VT2P	VT2P,B	AC,P2	102					
NK Brand	NK9852-3010	3010	AVC,C2,Vi	98					
NuTech	5N-800	3011,A	MQ,P5V,R	100					
NuTech/G2 Gen	5F-198	AM,B	MQ,P5V,R	98					
NuTech/G2 Gen	5F-702	AM,B	MQ,P5V,R	102					
Pfister	1785VA	3220	CM,C5,Vi,In	99					
Pfister	60B1SSR	STX,B	CM,C5,Vi,In	100					
Pfister	60C2PC	PC	CM,C5,Vi,In	100					
REA	5A023-RIB	STX,B	AC,P5V	102					
Renk	8-593SSTX	STX	AC,P5V	99					
Renk	RK604SSTX	STX	AC,P5V	102					
Renk	RK608DGV2P	VT2P,DG,B	AC,P2	100					
Thunder	6798VT2P	VT2P,B	AC,P2	98					
Thunder	6999VT2P	VT2P	AC,P5V	99					
Thunder	7800DGV2P	VT2P,DG,B	AC,P2	100					
Thunder	8902SS	STX	AC,P5V	102					
Wyffels	W2086RIB	VT2P,B	AC,P5V	98					
Wyffels	W2196RIB	VT2P,B	AC,P2	99					
Wyffels	W2506	VT2P	AC,P2	101					
Wyffels	W3076RIB	VT2P,B	AC,P2	102					

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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-7603PE	PC,E	CM,C5,Vi,In	103					
Dairyland	DS-9804RA	STX,B	CM,C5,Vi,In	103					
Dairyland	RPM-4318AM	AM,B	MQ,P5V,R	104					
Dairyland	RPM-4319AM	AM,B	CM,C2,R,Lu	103					
Dekalb	DKC54-38RIB CK	STX,B	AC,P5V	104					
Dekalb	DKC54-40RIB GC	VT2P,B	AC,P2	104					
Dekalb	DKC55-84RIB GC	STX,B	AC,P5V	105					
Dyna-Gro	D44VC36	VT2P	AC,P5V	104					
Dyna-Gro	D47SS29RIB	STX,B	AC,P5V	106					
Golden Harvest	G03C84-3120-EZR	3120,B	AVC,C2,Vi	103					
Golden Harvest	G05K08-3010A	3010,A	AVC,C2,Vi	105					
Golden Harvest	G06Q68-3220-EZR	3220,B	AVC,C2,Vi	106					
Hefty	H5302VT2PRIB	VT2P,B	HC	103					
Hefty	H5522VT2P	VT2P	HC	105					
Hefty	H5524SS	STX	HC	105					
Hefty	H5624SS	STX	HC	106					
Heine	740VT2PRORIB	VT2P,B	AC,P2	103					
Heine	7500VT2PRO	VT2P	AC,P5V	105					
Heine	752VT2PRORIB	VT2P,B	AC,P2	105					
Heine	7600VT2PRO	VT2P	AC,P5V	106					
Latham	LH5487VT2Pro	VT2P	AC,P5V	104					
Latham	LH5635VT2ProRIB	VT2P,B	AC,P2	106					
Latham	LH5725VT2Pro	VT2P	AC,P5V	107					
Latham	LH5742RR	RR2	AC,P2	107					
LG Seeds	LG53C50STX	STX	AC,P5V	103					
LG Seeds	LG5525VT2RIB	VT2P,B	AC,P5V	105					
Mustang	6805SSRIB	STX,B	AC,P5V	105					
NK Brand	NK0330-3120-EZR	3120,B	AVC,C2,Vi	103					
NK Brand	NK0602-3010	3010	AVC,C2,Vi	106					
NK Brand	NK0624-3220-EZR	3220,B	AVC,C2,Vi	106					
NuTech	5VN-4707	3111	MQ,P5V,R	107					
NuTech/G2 Gen	5D-906	AMX,B	MQ,P5V,R	106					
NuTech/G2 Gen	E5FN-A604	OI	MQ,P1V,R	104					
Pfister	63A3SSR	STX,B	CM,C5,Vi,In	103					
Pfister	64F1PE	PC,E	CM,C5,Vi,In	104					
Pfister	65G1SE	STX,E	CM,C5,Vi,In	105					
Pfister	66Y3PE	PC,E	CM,C5,Vi,In	106					
REA	6D042	VT2P,DG,B	AC,P2	104					
Renk	RK642SSTX	STX,B	AC,P5V	103					
Renk	RK717SSTX	STX,B	AC,P5V	105					
Renk	RK737SSTX	STX	AC,P5V	106					
Wyffels	W3488	STX	AC,P5V	104					
Wyffels	W4196RIB	VT2P,B	AC,P5V	105					
Wyffels	W5516RIB	VT2P,B	AC,P5V	108					
Wyffels	W5626	VT2P	AC,P5V	108					

## 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® TRIsect (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	Lu	Lumivia™
A	Allegiance®	M	Maxim XL®
AC	Acceleron® fungicide products	MQ	Maxim Quattro®
AL2500	Alert 2500	None	untreated
At	Actellic®	P2, P5, P1	Poncho® at 0.25, 0.5 and 1.25 mg ai/seed, respectively
AVC	Avicta® Complete Corn	R	Raxil®
C2, C5, C1	Cruiser® at 0.25, 0.5 and 1.25 mg ai/seed, respectively	Sa	Sativa™
CE	Cruiser Extreme®	Se	Sebring™
CM	CruiserMaxx® Corn	Sn	Senator™
D	Dynasty®	Sp	Spirato™
Es	Escalate®	SC	SHIELDCoat™
HC	Hefty Complete	V	Votivo®
In	Intego™ Solo	Vi	Vibrance®
L	Lorsban®		

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