

2018 Corn Grain Top 30 Harvest Report

South Dakota Southeast [SDSE] COLTON
Floyd Snoozy, Minnehaha County, SD 57018



PREV. CROP/HERB: Soybean / Roundup, Authority
SOIL DESCRIPTION: Moody silty clay loam, well drained, non-irrigated
SOIL CONDITION: Conventional w/ fall till, high P, high K, 7.9 pH, 4.7% OM, 29.8 CEC
PEST MANAGEMENT: Force, Roundup UltraMax, Harness, atrazine, Bellum
FERTILITY - Applied N: 29 Fall, 125 Spring
Applied N-P-K (units): 154-74-36
SEEDING - RATE - ROW: May 7 32,500 /A 30" spacing
HARVESTED - STAND: Nov 2 31,000 /A

Early-Season Test
98 - 102 Day CRM
B2018SDSE10a

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	LH5025VT2ProDGRIB	VT2P,DG,B	100	242.1	16.9	1	30.0	715	1
Latham	LH5245VT2ProRIB	VT2P,B	102	236.6	16.9	1	30.0	699	2
Heine	7000VT2PRO	VT2P	100	231.7	17.1	1	31.9	683	3
Hefty	H5212VT2PRIB	VT2P,B	102	231.1	17.7	1	31.9	678	4
Dyna-Gro	D43VC81	VT2P	102	229.2	17.5	1	31.0	673	5
Heine	739VT2PRORIB	VT2P,B	102	227.9	17.2	1	31.0	671	7
Thunder	6999VT2P	VT2P	99	227.8	16.8	1	31.9	673	6
Pfister	60C2PC	PC	100	226.7	18.0	1	30.5	663	12
Latham	LH4937VT2Pro	VT2P	99	226.6	17.0	2	31.0	668	8
NuTech/G2 Gen	5F-702	AM,B	102	225.8	16.8	1	31.5	667	9
Hefty	H4922VT2P	VT2P	99	225.4	17.2	1	30.5	664	11
Dairyland	RPM-4018AM	AM,AQ,B	101	225.2	17.4	1	30.0	662	13
Renk	RK604SSTX	STX	102	225.0	16.6	1	30.5	666	10
Wyffels	W2506	VT2P	101	222.2	17.7	1	31.0	652	17
Thunder	7800DGVT2P	VT2P,DG,B	100	221.9	16.9	1	30.5	655	14
Wyffels	W3076RIB	VT2P,B	102	221.3	17.0	1	31.5	653	16
Wyffels	W2196RIB	VT2P,B	99	220.4	17.3	1	31.0	649	19
LG Seeds	LG5465VT2RIB	VT2P,B	97	220.1	17.1	1	31.5	649	20
Thunder	8902SS	STX	102	219.6	17.8	1	31.0	643	23
Dairyland	RPM-4019AM	AM,B	99	219.3	16.5	1	31.5	650	18
Dairyland	DS-7101	PC	101	218.6	17.3	1	31.0	643	24
Mustang	5299VT2PRIB	VT2P,B	99	218.4	16.7	1	32.9	646	21
Hefty	H5024SS	STX	100	218.0	17.2	1	30.5	642	27
LG Seeds	LG5494VT2RIB	VT2P,B	99	217.8	16.8	1	31.5	644	22
Heine	6500VT2PRO	VT2P	99	217.7	17.0	1	31.0	642	28
Renk	RK608DGVT2P	VT2P,DG,B	100	217.5	16.8	1	30.0	643	25
NuTech/G2 Gen	5F-198	AM,B	98	216.8	16.3	1	31.5	643	26
REA	5A023-RIB	STX,B	102	216.8	17.6	1	30.5	636	30
Golden Harvest	G02W74-3000GT	3000GT	102	216.3	16.9	1	29.0	639	29
LG Seeds	LG5505STXRIB	STX,B	101	216.1	17.3	1	32.9	636	31
Dekalb	DKC54-38RIB CK	STX,B	104	223.3	18.0	1	31.9	653	15

Mark Tollefson
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Averages =	219.5	17.2	1	31.0	647
LSD (0.10) =	9.5	0.4	ns		
LSD (0.25) =	5.0	0.2	ns		
C.V. =	4.1	Prev. years average yield, 212.8 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: Overall, good plant stands were obtained at this site. At harvest, plants had very good stalk quality with no lodging issues. Weed control was very good all year. Grain moisture in the early test was around 17 percent and 18 percent in the full season test. Same hybrid corn yields were very consistent from rep to rep giving us high quality data to compare products at this location.

† 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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FERTILITY - Applied N: 29 Fall, 125 Spring
Applied N-P-K (units): 154-74-36
SEEDING - RATE - ROW: May 7 32,500 /A 30" spacing
HARVESTED - STAND: Nov 2 31,000 /A

Full-Season Test
103 - 107 Day CRM
B2018SDSE10b

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
Dairyland	DS-7603PE	PC,E	103	246.3	18.4	1	31.9	718	1
Wyffels	W5516RIB	VT2P,B	108	241.0	18.7	1	31.0	701	2
Wyffels	W5626	VT2P	108	238.7	18.6	1	31.5	695	4
Renk	RK737SSTX	STX	106	238.4	18.2	1	31.9	696	3
Heine	7600VT2PRO	VT2P	106	237.5	18.5	1	30.0	692	5
Dairyland	RPM-4318AM	AM,B	104	236.2	18.6	1	32.4	687	6
Latham	LH5742RR	RR2	107	235.4	19.0	1	30.0	683	9
Latham	LH5725VT2Pro	VT2P	107	233.9	18.0	1	31.0	684	7
Dekalb	DKC54-40RIB GC	VT2P,B	104	232.2	18.0	1	31.0	679	11
Wyffels	W4196RIB	VT2P,B	105	231.7	17.5	1	30.0	681	10
NuTech/G2 Gen	5D-906	AMX,B	106	231.5	19.0	2	31.5	671	13
Hefty	H5522VT2P	VT2P	105	230.1	18.3	1	31.5	671	14
Wyffels	W3488	STX	104	229.6	17.0	1	30.0	677	12
Hefty	H5624SS	STX	106	229.1	18.0	1	28.1	670	15
LG Seeds	LG53C50STX	STX	103	228.9	18.2	1	31.5	668	18
LG Seeds	LG5525VT2RIB	VT2P,B	105	228.5	18.0	1	30.5	668	19
Golden Harvest	G05K08-3010A	3010,A	105	227.8	17.5	1	31.0	669	17
Pfister	64F1PE	PC,E	104	227.7	18.8	1	30.5	661	22
Latham	LH5487VT2Pro	VT2P	104	227.6	18.2	1	30.5	665	21
Hefty	H5302VT2PRIB	VT2P,B	103	227.2	17.0	1	30.5	670	16
Dyna-Gro	D47SS29RIB	STX,B	106	227.2	17.8	1	32.4	666	20
Golden Harvest	G06Q68-3220-EZR	3220,B	106	226.5	18.2	1	30.5	661	23
Mustang	6805SSRIB	STX,B	105	224.6	18.0	1	28.6	657	24
Heine	7500VT2PRO	VT2P	105	223.7	18.3	1	31.9	653	26
NuTech/G2 Gen	E5FN-A604	OI	104	223.2	18.5	1	31.0	650	28
NK Brand	NK0624-3220-EZR	3220,B	106	223.2	18.5	1	31.0	650	29
Renk	RK717SSTX	STX,B	105	222.9	18.3	1	32.4	650	30
Pfister	66Y3PE	PC,E	106	222.9	18.9	1	31.9	647	31
Heine	752VT2PRORIB	VT2P,B	105	222.5	17.1	1	31.9	656	25
Heine	740VT2PRORIB	VT2P,B	103	221.5	17.3	1	29.5	652	27
Dekalb	DKC54-38RIB CK	STX,B	104	233.7	17.9	1	30.5	684	8

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Averages = **225.7** **18.1** **1** **31.0** **660**

LSD (0.10) = 8.9 0.5 ns

LSD (0.25) = 4.7 0.3 ns

C.V. = 3.7 Prev. years average yield, 212.8 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

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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.