

2018 Corn Grain Top 30 Harvest Report

South Dakota Southeast [SDSE] SALEM - following corn
Ernie Christensen, McCook County, SD 57048



PREV. CROP/HERB: Corn / atrazine, Roundup, Resicore
SOIL DESCRIPTION: Hand-Davison-Crossplain clay loam, mod. well drained, non-irrigated
SOIL CONDITION: Conventional w/ fall till, very high P, very high K, 7.1 pH, 4.0% OM, 25.6 CEC
PEST MANAGEMENT: Force, atrazine, Roundup, Resicore
FERTILITY - Applied N: 150 Spring
Applied N-P-K (units): 150-75-75
SEEDING - RATE - ROW: May 7 31,500 /A 30" spacing
HARVESTED - STAND: Nov 8 29,200 /A

Early-Season Test
98 - 102 Day CRM
B2018SDSE11a

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-702	AM,B	102	249.0	17.3	4	29.5	733	1
NuTech/G2 Gen	5F-198	AM,B	98	244.7	16.9	1	28.6	722	2
Wyffels	W2506	VT2P	101	244.4	17.6	2	29.0	717	3
Heine	6500VT2PRO	VT2P	99	240.7	17.6	1	30.5	706	4
Dairyland	RPM-4018AM	AM,AQ,B	101	239.9	17.8	4	28.1	703	5
Dairyland	RPM-4019AM	AM,B	99	236.0	17.7	5	26.6	692	6
Thunder	6999VT2P	VT2P	99	234.4	17.8	1	28.6	687	8
Wyffels	W3076RIB	VT2P,B	102	234.1	17.3	1	29.5	689	7
Renk	RK608DGV2P	VT2P,DG,B	100	234.0	17.7	1	28.1	686	10
LG Seeds	LG5494VT2RIB	VT2P,B	99	233.8	17.4	1	28.1	687	9
Hefty	H5003VT2PDGRIB	VT2P,DG,B	100	233.3	17.7	1	30.5	684	11
Hefty	H4922VT2P	VT2P	99	233.1	17.8	1	29.5	683	12
REA	5A023-RIB	STX,B	102	232.8	17.8	1	30.5	682	13
Dairyland	DS-7101	PC	101	230.3	18.1	1	29.0	673	16
Latham	LH5025VT2ProDGRIB	VT2P,DG,B	100	230.0	17.5	1	31.9	676	14
Thunder	7800DGV2P	VT2P,DG,B	100	229.8	17.4	1	29.0	676	15
Mustang	5299VT2PRIB	VT2P,B	99	228.9	17.6	1	30.5	672	17
Renk	RK604SSTX	STX	102	228.5	17.6	1	29.5	671	18
Heine	739VT2PRORIB	VT2P,B	102	228.1	17.9	1	27.6	668	20
NuTech	5N-800	3011,A	100	226.3	17.8	1	29.5	663	21
Latham	LH4937VT2Pro	VT2P	99	225.7	17.9	2	31.5	661	23
LG Seeds	LG5465VT2RIB	VT2P,B	97	225.4	17.3	1	29.0	663	22
Renk	8-593SSTX	STX	99	225.1	17.5	1	29.0	661	24
Hefty	H5212VT2PRIB	VT2P,B	102	225.0	17.6	1	29.0	660	25
Dyna-Gro	D43VC81	VT2P	102	224.9	18.2	2	29.5	657	26
Wyffels	W2196RIB	VT2P,B	99	223.8	17.6	1	29.0	657	27
Heine	7000VT2PRO	VT2P	100	222.6	17.8	1	27.1	652	28
Latham	LH5245VT2ProRIB	VT2P,B	102	222.1	17.9	1	31.5	650	29
Pfister	60B1SSR	STX,B	100	220.3	17.7	1	27.6	646	30
Dekalb	DKC50-08RIB GC	STX,B	100	220.2	18.0	1	29.0	644	31
Dekalb	DKC54-38RIB CK	STX,B	104	229.4	18.2	2	29.0	670	19

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

Averages = **226.3** **17.7** **1** **29.2** **664**

LSD (0.10) = 11.4 0.3 ns

LSD (0.25) = 6.0 0.2 ns

C.V. = 4.8 Prev. years average yield, 208.3 bu/a, 4 yrs

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

Test Comments: *At harvest, stalk health was good and season long weed control was good. A little light snow coated the ground during harvest that didn't affect harvest much. Some stalk lodging was seen and seemed to follow certain hybrids. Overall, data quality was good and yields were above average this year. Rainfall was ample all season.*

† 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, atrazine, Roundup, Resicore
FERTILITY - Applied N: 150 Spring
Applied N-P-K (units): 150-75-75
SEEDING - RATE - ROW: May 7 31,500 /A 30" spacing
HARVESTED - STAND: Nov 8 28,900 /A

Full-Season Test
103 - 107 Day CRM
B2018SDSE11b

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	261.9	18.7	2	28.1	761	1
Wyffels	W5626	VT2P	108	260.1	18.6	3	27.6	757	2
Wyffels	W4196RIB	VT2P,B	105	256.0	18.7	2	28.6	744	3
Heine	7500VT2PRO	VT2P	105	249.0	18.3	1	29.0	726	4
Heine	7600VT2PRO	VT2P	106	248.3	18.7	2	29.0	722	5
Latham	LH5725VT2Pro	VT2P	107	247.0	19.1	2	29.5	716	8
Dekalb	DKC55-84RIB GC	STX,B	105	245.5	18.2	1	28.6	717	6
LG Seeds	LG5525VT2RIB	VT2P,B	105	245.5	18.1	2	28.1	717	7
Latham	LH5487VT2Pro	VT2P	104	244.8	18.1	1	30.0	715	9
Wyffels	W5516RIB	VT2P,B	108	243.5	19.0	3	29.0	706	12
REA	6D042	VT2P,DG,B	104	243.0	17.9	2	31.5	711	10
Latham	LH5635VT2ProRIB	VT2P,B	106	242.9	18.4	2	29.0	708	11
Golden Harvest	G05K08-3010A	3010,A	105	240.8	18.0	1	27.6	704	13
NuTech	5VN-4707	3111	107	240.2	19.0	1	30.5	697	15
Hefty	H5302VT2PRIB	VT2P,B	103	239.6	17.8	3	28.1	702	14
Renk	RK737SSTX	STX	106	239.4	18.7	1	27.6	696	17
NuTech/G2 Gen	E5FN-A604	OI	104	239.0	18.3	9	28.1	697	16
LG Seeds	LG53C50STX	STX	103	238.2	18.1	3	27.6	696	18
Dairyland	DS-9804RA	STX,B	103	237.4	18.2	4	26.6	693	19
Dyna-Gro	D47SS29RIB	STX,B	106	236.4	18.7	2	28.6	687	20
Latham	LH5742RR	RR2	107	235.6	18.5	1	29.5	686	21
Golden Harvest	G06Q68-3220-EZR	3220,B	106	234.0	18.8	3	27.1	680	22
NK Brand	NK0624-3220-EZR	3220,B	106	233.0	18.9	1	30.5	676	25
NuTech/G2 Gen	5D-906	AMX,B	106	232.6	18.4	11	28.6	678	23
Dairyland	RPM-4318AM	AM,B	104	232.3	18.7	4	29.0	675	27
Mustang	6805SSRIB	STX,B	105	232.1	18.2	4	29.0	678	24
Dairyland	DS-7603PE	PC,E	103	232.0	18.8	3	27.1	674	29
Pfister	63A3SSR	STX,B	103	231.7	18.3	2	28.6	676	26
Hefty	H5522VT2P	VT2P	105	231.7	18.4	3	30.0	675	28
NK Brand	NK0602-3010	3010	106	231.1	18.3	7	29.5	674	30
Dekalb	DKC54-38RIB CK	STX,B	104	230.8	18.5	1	29.0	672	32

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Averages =	236.0	18.4	3	28.9	688
LSD (0.10) =	11.9	0.4	2		
LSD (0.25) =	6.2	0.2	1		
C.V. =	4.8				Prev. years average yield, 208.3 bu/a, 4 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.