

2018 Corn Grain Top 30 Harvest Report

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



Test by: MNS Seed Testing, LLC, New Richland, MN

PREV. CROP/HERB: Soybean / Roundup PowerMax, Flexstar, Authority
SOIL DESCRIPTION: Hand-Bonilla loam, well drained, non-irrigated
SOIL CONDITION: Conventional w/ fall till, very high P, very high K, 5.1 pH, 3.5% OM, 31.3 CEC
PEST MANAGEMENT: Force, atrazine, Roundup, Resicore
FERTILITY - Applied N: 150 Spring
Applied N-P-K (units): 150-75-75
SEDED - RATE - ROW: May 7 32,500 /A 30" spacing
HARVESTED - STAND: Nov 8 30,200 /A

Early-Season Test

98 - 102 Day CRM
B2018SDSE12a

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	H5212VT2PRIB	VT2P,B	102	247.2	18.4	1	30.5	721	1
Renk	RK604SSTX	STX	102	239.5	18.0	1	31.5	701	2
Hefty	H4922VT2P	VT2P	99	239.1	18.4	1	30.5	697	3
Renk	8-593SSTX	STX	99	237.9	18.2	1	30.5	695	4
Dyna-Gro	D43VC81	VT2P	102	235.5	19.4	2	29.0	681	5
Wyffels	W2506	VT2P	101	234.1	18.7	1	31.5	681	6
Latham	LH4937VT2Pro	VT2P	99	232.7	18.7	2	31.0	677	8
Dairyland	RPM-4019AM	AM,B	99	232.2	17.7	3	31.9	681	7
Hefty	H5003VT2PDGRIB	VT2P,DG,B	100	232.0	18.8	1	31.0	674	9
Dairyland	RPM-4018AM	AM,AQ,B	101	230.8	19.1	2	30.5	669	11
Hefty	H5024SS	STX	100	230.6	18.8	4	31.9	670	10
Heine	6500VT2PRO	VT2P	99	230.2	18.7	1	31.0	669	12
Latham	LH5025VT2ProDGRIB	VT2P,DG,B	100	230.0	18.6	3	30.0	669	13
Thunder	8902SS	STX	102	229.0	19.5	1	30.5	661	16
Heine	739VT2PRORIB	VT2P,B	102	228.5	19.2	1	30.0	662	14
LG Seeds	LG5505STXRIB	STX,B	101	227.4	18.9	2	30.0	660	17
Wyffels	W2196RIB	VT2P,B	99	226.6	18.2	1	30.0	662	15
NuTech	5N-800	3011,A	100	226.3	19.0	1	30.5	656	20
Heine	7000VT2PRO	VT2P	100	226.3	19.0	2	30.5	656	21
Latham	LH5245VT2ProRIB	VT2P,B	102	225.4	18.4	1	30.5	657	19
Golden Harvest	G98B71-3010	3010	98	225.3	19.1	2	31.0	653	22
Dairyland	DS-7101	PC	101	225.2	19.0	4	28.1	653	23
REA	5A023-RIB	STX,B	102	224.7	19.3	1	30.0	650	25
NuTech/G2 Gen	5F-198	AM,B	98	224.6	17.5	1	30.5	660	18
Thunder	7800DGVT2P	VT2P,DG,B	100	223.8	18.8	1	30.5	650	26
Renk	RK608DGVT2P	VT2P,DG,B	100	223.5	18.1	1	30.0	653	24
NuTech/G2 Gen	5F-702	AM,B	102	223.2	18.7	2	31.9	649	27
Pfister	60C2PC	PC	100	222.9	18.7	2	31.5	648	28
Wyffels	W3076RIB	VT2P,B	102	221.6	18.1	1	31.5	648	29
Pfister	1785VA	3220	99	219.1	18.4	2	29.0	639	31
Dekalb	DKC54-38RIB CK	STX,B	104	223.5	19.3	1	30.0	646	30

Mark Tollefson

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

Averages = **224.7** **18.7** **2** **30.2** **654**

LSD (0.10) = 10.7 0.6 ns

LSD (0.25) = 5.6 0.3 ns

C.V. = 4.5 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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SOIL CONDITION: Conventional w/ fall till, very high P, very high K, 5.1 pH, 3.5% OM, 31.3 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 32,500 /A 30" spacing
HARVESTED - STAND: Nov 8 30,000 /A

Full-Season Test
103 - 107 Day CRM
B2018SDSE12b

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
Wyffels	W5516RIB	VT2P,B	108	256.9	19.2	3	30.0	744	1
LG Seeds	LG5525VT2RIB	VT2P,B	105	252.7	18.8	2	29.5	734	2
Renk	RK737SSTX	STX	106	251.0	19.1	2	31.0	727	3
NuTech/G2 Gen	E5FN-A604	OI	104	247.5	18.6	3	30.5	720	4
Hefty	H5522VT2P	VT2P	105	245.9	19.0	2	31.0	713	5
Heine	7600VT2PRO	VT2P	106	245.0	19.4	1	31.0	708	6
Wyffels	W5626	VT2P	108	242.7	18.9	2	31.0	704	7
REA	6D042	VT2P,DG,B	104	241.4	18.5	2	29.5	703	8
Pfister	63A3SSR	STX,B	103	240.7	18.3	1	31.5	702	9
Golden Harvest	G05K08-3010A	3010,A	105	240.7	19.2	1	30.0	697	11
Dekalb	DKC55-84RIB GC	STX,B	105	240.6	18.7	2	31.5	700	10
Wyffels	W4196RIB	VT2P,B	105	239.2	19.1	4	31.5	693	12
Latham	LH5742RR	RR2	107	238.9	19.7	1	29.5	689	17
Latham	LH5725VT2Pro	VT2P	107	237.7	18.5	2	31.9	692	13
Dairyland	DS-7603PE	PC,E	103	237.7	18.5	2	30.0	692	14
Heine	7500VT2PRO	VT2P	105	237.6	18.8	1	29.5	690	15
Heine	740VT2PRORIB	VT2P,B	103	237.4	18.8	1	29.0	690	16
NuTech	5VN-4707	3111	107	236.9	19.1	1	29.5	686	21
Pfister	64F1PE	PC,E	104	236.8	18.9	1	30.0	687	19
Renk	RK717SSTX	STX,B	105	236.7	18.7	2	28.6	688	18
Hefty	H5624SS	STX	106	236.2	18.9	1	27.6	686	22
LG Seeds	LG53C50STX	STX	103	236.2	19.2	1	30.0	684	23
Wyffels	W3488	STX	104	235.9	19.1	1	28.6	684	24
Latham	LH5487VT2Pro	VT2P	104	235.7	18.4	2	31.5	687	20
Pfister	66Y3PE	PC,E	106	235.1	19.9	1	30.5	677	27
Hefty	H5524SS	STX	105	233.5	19.1	4	29.0	677	28
Dyna-Gro	D47SS29RIB	STX,B	106	232.4	18.6	2	29.0	676	29
Pfister	65G1SE	STX,E	105	232.4	19.1	2	30.5	673	30
Latham	LH5635VT2ProRIB	VT2P,B	106	232.3	18.3	1	31.0	678	26
Mustang	6805SSRIB	STX,B	105	230.2	18.4	5	26.6	671	31
Dekalb	DKC54-38RIB CK	STX,B	104	235.3	19.4	1	28.6	680	25

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Averages =	234.9	18.9	2	30.0	682
LSD (0.10) =	10.6	0.4	ns		
LSD (0.25) =	5.5	0.2	ns		
C.V. =	4.3	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.