

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

## 2021 Soybeans Top 30 Harvest Report

South Dakota East Central [SDEC] ARLINGTON, SD  
Tim Bjorklund, Brookings County, SD 57212

<b>All-Season Test</b>	1.6 - 2.3 Day CRM S2021SDEC06
<b>Top 30 of 81</b>	For Gross Income (Sorted by Yield) Average of (3) Replications
<b>PREV. CROP/HERB:</b>	Corn / Surestart, Durango, Atrazine, Bellum
<b>SOIL DESCRIPTION:</b>	Poinsettia-Buse-Waubay sandy clay, moderately drained, non- irrigated
<b>SOIL CONDITION:</b>	high P, medium K, 6.2 pH, 5.2% OM, 22.0 CEC
<b>TILLAGE/CULTIVATION:</b>	No-Till
<b>PEST MANAGEMENT:</b>	Sonic, Roundup, Flexstar, Volunteer
<b>Applied N-P-K (units):</b>	0-0-0
<b>SEEDED - RATE - ROW:</b>	May 15 140.0 /A 30" spacing
<b>HARVESTED - STAND:</b>	Oct 6 116.7 /A

### TEST COMMENTS:

*This plot was a no-till site planted into corn stalks. At harvest, we had some plots with yellow leaves and stems. Grain moisture was elevated in some fuller season varieties. It was a bit slow at harvest as clouds persisted and stems remained tough. The soil type was a little inconsistent and the drought reduced the yield potential.*

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Hefty	H16X1 ↗	RRX	1.6	R	<b>76.1</b>	13.1	3	124.0	913	1
Genesis	G1760E ↗	E3	1.7	R	<b>73.7</b>	13.2	4	116.0	884	2
Zinesto	Z1702E ↗	E3	1.7	NA	<b>71.4</b>	13.4	1	109.0	856	3
Stine	17EE32 § ↗	E3	1.7	R	<b>71.2</b>	13.5	4	122.0	853	4
Hefty	H18XF2 ↗	RXF	1.8	NA	<b>71.1</b>	13.2	1	116.7	853	5
Apex	AE1720 ↗	E3	1.7	R	<b>69.8</b>	13.1	2	109.0	837	6
Latham	L 1784 XF ↗	RXF	1.7	R	<b>69.7</b>	13.4	3	117.7	836	7
Dairyland	DSR-1820E ↗	E3	1.8	R	<b>68.4</b>	12.7	1	118.0	821	8
Loyal	L1740E ↗	E3	1.7	R	<b>68.3</b>	13.1	2	119.3	819	9
Golden Harvest	GH2102XF ↗	RXF	2.1	MR	<b>67.6</b>	13.2	1	115.7	811	10
Apex	AE2020 ↗	E3	2.0	R	<b>66.9</b>	13.3	2	116.3	802	11
Xitavo	XO 1761E ↗	E3	1.7	R	<b>66.4</b>	12.9	1	122.7	797	12
Innotech	IS1929E3 ↗	E3	1.9	R	<b>66.0</b>	13.3	2	125.0	791	13
Dairyland	DSR-2040E ↗	E3	2.0	R	<b>65.8</b>	13.5	2	117.0	788	14
Loyal	L1940E ↗	E3	1.9	R	<b>64.5</b>	13.5	5	112.3	773	15
Xitavo	XO 1632E ↗	E3	1.6	R	<b>64.2</b>	13.1	1	121.0	770	16
Xitavo	XO 1822E ↗	E3	1.8	R	<b>64.1</b>	12.9	1	118.7	769	17
Thunder	TE7218N ↗	E3	1.8	R	<b>63.7</b>	12.6	1	120.3	764	18
Thunder	TX8220N ↗	RXF	2.0	R	<b>63.2</b>	12.9	1	113.7	758	19
Apex	AE1920 ↗	E3	1.9	R	<b>62.9</b>	13.0	9	118.0	755	20
Zinesto	Z1601E ↗	E3	1.6	R	<b>61.4</b>	12.9	2	115.0	737	21
REA	R1532XF ↗	RXF	1.5	NA	<b>61.2</b>	13.5	1	118.7	733	22
Latham	L 2049 E3 ↗	E3	2.0	R	<b>61.0</b>	15.3	3	112.7	727	25
Golden Harvest	GH1762XF ↗	RXF	1.7	MR	<b>60.9</b>	12.8	1	120.0	731	23
NK Brand	NK21-H4XF § ↗	RXF	2.1	MR	<b>60.9</b>	12.6	2	109.7	731	24
Golden Harvest	GH1802E3 § ↗	E3	1.8	R	<b>60.5</b>	12.3	1	113.5	726	26
Dairyland	DSR-2030E ↗	E3	1.9	R	<b>60.3</b>	12.7	1	117.0	724	27
Credenz	CZ 1859GTLL ↗	LLGT27	1.8	R	<b>59.9</b>	12.9	2	120.3	719	28
Genesis	G1960E ↗	E3	1.9	R	<b>59.6</b>	12.9	1	118.7	715	29
Latham	L 1995 E3 ↗	E3	1.9	R	<b>59.5</b>	13.4	2	116.7	713	30

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Averages = **58.4** **13.6** **2** **116.7** **699**

LSD (0.10) = 8.2 1.0 ns

LSD (0.25) = 4.3 0.5 ns

C.V. = 13.3

Historic yield: 51.87 bu/a, 9 yr(s)

**Yield & Income Factors:** Base Moisture = 13.0% Shrink = 1.1 Drying = \$0.035 Prices: GMO = \$12.00

Report Date: 10/08/2021

† 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. ↗ New! Links to full product yield results at www.firstseedtests.com

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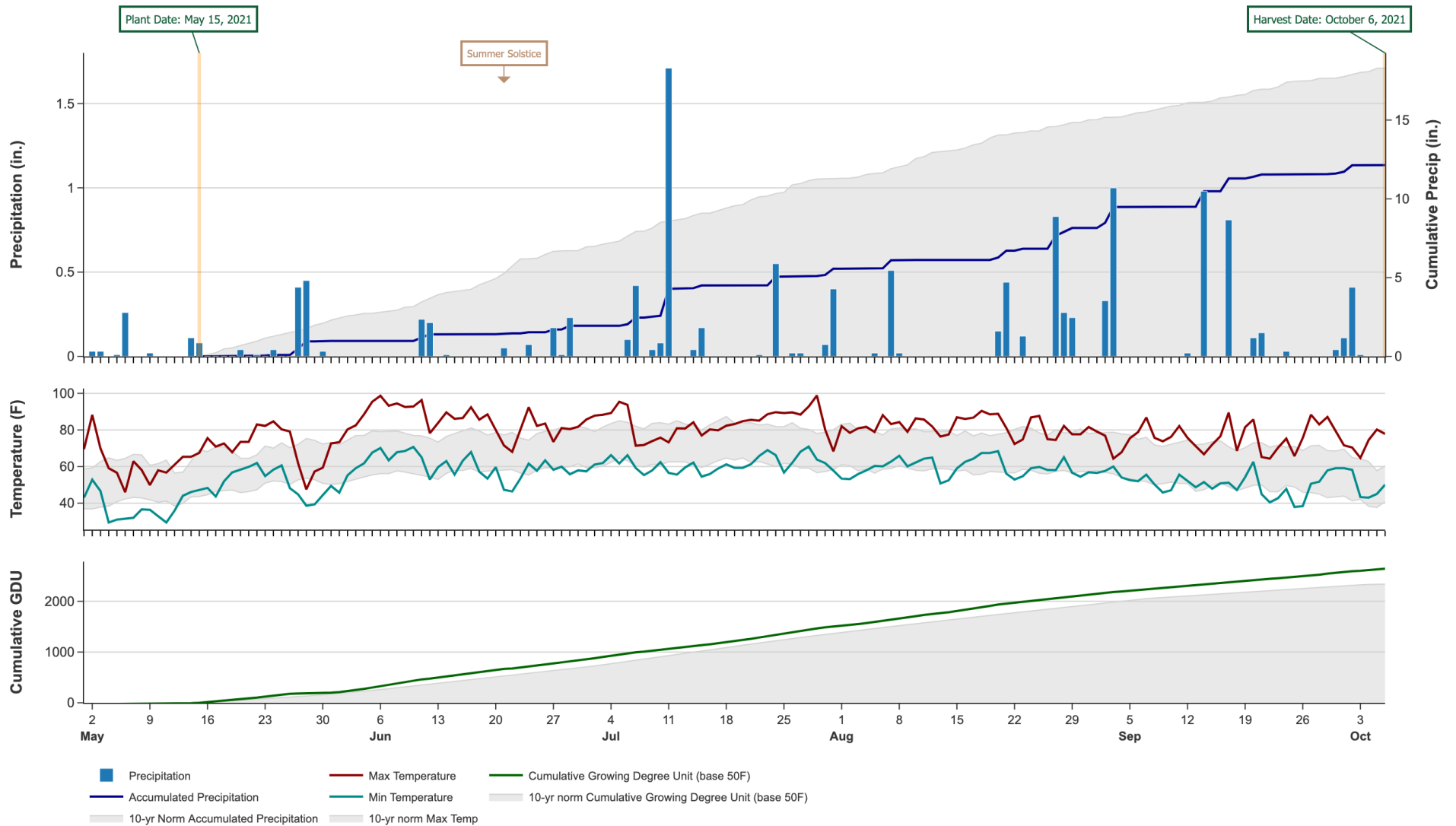
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# 2021 Soybeans - South Dakota East Central [ SDEC ]

## Weather Conditions Summary at ARLINGTON, SD

Weather Data Retrieved: 10/08/2021

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in)   Normal (Diff)	1.5   3.9 (-2.4)	1.0   4.4 (-3.5)	3.6   4.6 (-0.9)	2.6   3.7 (-1.1)	3.5   2.6 (+0.8)	0.5   0.6 (-0.1)	12.7   19.9 (-7.2)
GDU   Normal (Diff)	263   248 (+14)	635   517 (+117)	666   675 (-9)	636   577 (+58)	428   360 (+67)	78   35 (+42)	2706   2415 (+290)



\* First monthly total starts on the date 14 days prior to planting and final monthly total ends on the harvest date.

Note: Weather information from PRISM Climate Group. Data may be revised by the provider after retrieval. FIRST will not revise or update reports to reflect any weather data changes. For information purposes only.

## 2021 Soybeans - South Dakota East Central [ SDEC ]

### All-Season Test Products (81 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Apex	AE1720	E3	R	1.7	CMBV,SA
Apex	AE1920	E3	R	1.9	CMBV,SA
Apex	AE1930	E3	R	1.9	CMBV,SA
Apex	AE2020	E3	R	2.0	CMBV,SA
Apex	AE2220	E3	R	2.2	CMBV,SA
Asgrow	AG18XF1 §	RXF	R	1.8	Untreated
Asgrow	AG21XF0 §	RXF	R	2.1	ACi,IL
Asgrow	AG22XF2 §	RXF	R	2.2	ACi,IL
Credenz	CZ 1660GTLL	LLGT27	MR	1.6	PV,IL,OB
Credenz	CZ 1859GTLL	LLGT27	R	1.8	PV,IL,OB
Credenz	CZ 2121GTLL	LLGT27	MR	2.1	PV,IL,OB
Credenz	CZ 2360GTLL	LLGT27	MR	2.3	PV,IL,OB
Dairyland	DSR-1820E	E3	R	1.8	Lum,IL
Dairyland	DSR-2030E	E3	R	1.9	Lum,IL
Dairyland	DSR-2040E	E3	R	2.0	Lum,IL
Dairyland	DSR-2112E	E3	R	2.1	Lum,IL
Dairyland	DSR-2222E	E3	R	2.2	Lum,IL
Dyna-Gro	S18EN52	E3	MR	1.8	EQV,SA
Dyna-Gro	S21XF72	RXF	R	2.1	EQV,SA
Genesis	G1760E	E3	R	1.7	CMBV,SA
Genesis	G1960E	E3	R	1.9	CMBV,SA
Genesis	G1970E	E3	R	1.9	CMBV,SA
Genesis	G2060E	E3	R	2.0	CMBV,SA
Genesis	G2260E	E3	R	2.2	CMBV,SA
Golden Harvest	GH1762XF	RXF	MR	1.7	CMBV,SA
Golden Harvest	GH1802E3 §	E3	R	1.8	CMBV,SA
Golden Harvest	GH2011E3	E3	MR	2.0	CMBV,SA
Golden Harvest	GH2102XF	RXF	MR	2.1	CMBV,SA
Hefty	H16X1	RRX	R	1.6	DST4,SA
Hefty	H16XF2	RXF	NA	1.6	DST5
Hefty	H17XF1	RXF	NA	1.7	DST4,SA
Hefty	H18XF2	RXF	NA	1.8	DST4,SA
Hefty	H20XF1	RXF	NA	2.0	DST4,SA
Hefty	H20XF2	RXF	NA	2.0	DST4,SA
Hefty	H21XF2	RXF	NA	2.1	DST4,SA
Hefty	H23XF1	RXF	NA	2.3	DST4,SA

Company/Brand	Brand/Product	Technology	SCN	RM	Seed Treat.
Innotech	IS1761E3	E3	MR	1.7	Fortify
Innotech	IS1929E3	E3	R	1.9	Fortify
Innotech	IS2089E3	E3	MR	2.0	Fortify
Innotech	IS2342E3	E3	MR	2.3	Fortify
Latham	L 1784 XF	RXF	R	1.7	SS+,SA
Latham	L 1995 E3	E3	R	1.9	SS+,SA
Latham	L 2049 E3	E3	R	2.0	SS+,SA
Latham	L 2184 R2X	RRX	R	2.1	SS+,SA
Latham	L 2193 E3	E3	R	2.1	SS+,SA
Latham	L 2283 XF	RXF	R	2.2	SS+,SA
Latham	L 2295 R2X	RRX	R	2.2	SS+,SA
Latham	L 2379 E3	E3	R	2.3	SS+,SA
Loyal	L1740E	E3	R	1.7	CMBV,SA
Loyal	L1940E	E3	R	1.9	CMBV,SA
Loyal	L1950E	E3	R	1.9	CMBV,SA
Loyal	L2040E	E3	R	2.0	CMBV,SA
Loyal	L2240E	E3	R	2.2	CMBV,SA
NK Brand	NK18-J7E3	E3	MR	1.8	CMBV,SA
NK Brand	NK19-C8XF	RXF	R	1.9	CMBV,SA
NK Brand	NK19-Y5E3 §	E3	R	1.9	CMBV,SA
NK Brand	NK21-H4XF §	RXF	MR	2.1	CMBV,SA
Pioneer	P21A28X §	RRX	R	2.1	Lum,Lu
REA	R1532XF	RXF	NA	1.5	ACi,IL
REA	R2140XF	RXF	NA	2.1	ACi,IL

Company/Brand	Brand/Product	Technology	SCN	RM	Seed Treat.
Stine	17EE32 §	E3	R	1.7	SFI
Stine	20EE23 §	E3	R	2.0	SFI
Stine	21EE62 §	E3	R	2.1	SFI
Thunder	TE7218N	E3	R	1.8	AM
Thunder	TE7221N	E3	R	2.1	AM
Thunder	TX8117N	RXF	R	1.7	AM
Thunder	TX8220N	RXF	R	2.0	AM
Xitavo	XO 1632E	E3	R	1.6	PV,IL,OB
Xitavo	XO 1761E	E3	R	1.7	PV,IL,OB
Xitavo	XO 1822E	E3	R	1.8	PV,IL,OB
Xitavo	XO 1971E	E3	R	1.9	PV,IL,OB
Xitavo	XO 2181E	E3	R	2.1	PV,IL,OB
Xitavo	XO 2282E	E3	R	2.2	PV,IL,OB
Zinesto	Z1601E	E3	R	1.6	DST4,SA
Zinesto	Z1702E	E3	NA	1.7	DST4,SA
Zinesto	Z1801E	E3	R	1.8	DST4,SA
Zinesto	Z1802E	E3	NA	1.8	DST4,SA
Zinesto	Z1902E	E3	NA	1.9	DST5
Zinesto	Z2002E	E3	NA	2.0	DST4,SA
Zinesto	Z2202E	E3	NA	2.2	DST4,SA
Zinesto	Z2302SE	E3,ST	NA	2.3	DST4,SA

\* FIRST does not inspect products for refuge blend. N\* indicates the product was entered without a refuge component by the sponsoring seed company. Prior year entries may contain refuge blend.

## Footnotes and Abbreviations Descriptions

### Brand Footnotes

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CK	Identifies a check product included in early- and full-season tests.
GC	Grower Comparison product included by FIRST when space permits.
§	United Soybean Board sponsored entry

### Soybean Cyst Nematode (SCN) Resistance Rating

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S	susceptible
MR	moderate resistance
R	resistant
n/a	info unavailable

### Soybeans Technologies

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E3	Enlist™ E3
LLGT27	LibertyLink® GT27®
RRX	Roundup Ready 2 Xtend®
RXF	Roundup Ready 2 XtendFlex®
ST	Sulfonylurea tolerant

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### Soybeans Seed Treatments\*

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NA	Not Available
ACi,IL	Acceleron® Standard Insecticide-Fungicide, ILeVO
AM	ApronMaxx
CMBV,SA	Cruisemaxx® Beans, Vibrance®, Saltro®
DST4,SA	Dominance 4 ST,Saltro®
DST5	Dominance 5 ST
EQV,SA	Equity VIP, Saltro®
Fortify	Insecticide-Fungicide (Rob-See-Co)
Lum,IL	LumiGEN™ plus ILeVO
Lum,Lu	LumiGEN™, Lumisena™
PV,IL,OB	Poncho®/Votivo®, ILeVO, Obvius Plus
SFI	Stine XP F&I
SS+,SA	SoyShield Plus, Saltro®
Untreated	No seed treatment

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