

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

2021 Soybeans Top 30 Harvest Report


South Dakota East Central [SDEC] DELL RAPIDS, SD
Levi Brown, Minnehaha County, SD 57022

All-Season Test	1.6 - 2.3 Day CRM S2021SDEC07
Top 30 of 81	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Stinger, Harness, Roundup
SOIL DESCRIPTION:	Moody-Trent silty clay loam, poorly drained, non-irrigated
SOIL CONDITION:	very high P, medium K, 5.7 pH, 4.8% OM, 19.6 CEC
TILLAGE/CULTIVATION:	No-Till
PEST MANAGEMENT:	Bifenthrin, Quilt, Roundup 2x
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 7 140.0 /A 30" spacing
HARVESTED - STAND:	Oct 8 115.4 /A

TEST COMMENTS:

The South Dakota farmers I've talked to have said soybean yields have been better than they expected. The average plot yield of almost 65 bpa was no fluke as the farmer reported an average of 80 bpa in the same field with a 2.5 soybean. Our best plot yields got close to the field average with a 2.3 maturity being the limit of what we tested. The growing season has really benefitted a full-season soybean and the host here has seen that on his farm as well. It was a damp morning and grain moistures were close to 15 percent to start the day.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
NK Brand	NK21-H4XF § ↗	RXF	2.1	MR	79.1	14.0	2	120.0	946	1
Golden Harvest	GH2102XF ↗	RXF	2.1	MR	76.2	14.3	1	113.3	911	2
Asgrow	AG18XF1 § ↗	RXF	1.8	R	75.6	14.2	1	114.0	904	3
Latham	L 1784 XF ↗	RXF	1.7	R	72.8	14.5	1	117.3	870	4
Thunder	TE7221N ↗	E3	2.1	R	72.4	14.0	4	114.0	866	5
Stine	20EE23 § ↗	E3	2.0	R	71.9	14.2	1	117.3	860	6
Latham	L 2193 E3 ↗	E3	2.1	R	71.4	14.5	2	115.7	853	7
Hefty	H18XF2 ↗	RXF	1.8	NA	71.3	14.4	1	116.3	852	8
Pioneer	P21A28X § ↗	RRX	2.1	R	70.7	14.2	1	115.3	845	9
Credenz	CZ 2360GTLL ↗	LLGT27	2.3	MR	70.6	14.4	1	115.0	844	10
Dairyland	DSR-2222E ↗	E3	2.2	R	70.2	14.6	1	116.0	838	11
Genesis	G2260E ↗	E3	2.2	R	69.6	14.2	1	115.3	832	12
NK Brand	NK18-J7E3 ↗	E3	1.8	MR	69.5	14.5	1	117.7	830	13
Golden Harvest	GH2011E3 ↗	E3	2.0	MR	69.4	14.3	1	114.0	830	14
Latham	L 2283 XF ↗	RXF	2.2	R	69.4	14.5	1	113.7	829	15
Latham	L 2184 R2X ↗	RRX	2.1	R	68.7	14.5	1	117.7	821	16
Xitavo	XO 2282E ↗	E3	2.2	R	68.6	14.4	1	115.0	820	17
Latham	L 1995 E3 ↗	E3	1.9	R	68.5	14.9	1	117.7	817	20
Asgrow	AG21XF0 § ↗	RXF	2.1	R	68.5	14.4	1	117.0	819	18
Hefty	H23XF1 ↗	RXF	2.3	NA	68.5	14.8	1	118.7	818	19
Apex	AE1720 ↗	E3	1.7	R	68.4	14.5	1	117.0	817	21
Loyal	L2240E ↗	E3	2.2	R	68.2	14.4	1	117.0	815	22
Zinesto	Z1801E ↗	E3	1.8	R	67.7	14.4	1	111.3	809	23
Thunder	TX8220N ↗	RXF	2.0	R	67.6	14.2	2	117.7	808	24
Loyal	L1740E ↗	E3	1.7	R	67.3	14.6	1	113.3	804	25
Zinesto	Z1802E ↗	E3	1.8	NA	67.1	14.8	1	114.3	801	26
Credenz	CZ 2121GTLL ↗	LLGT27	2.1	MR	66.8	14.3	1	115.3	798	27
Apex	AE2220 ↗	E3	2.2	R	66.8	14.4	1	115.7	798	28
Latham	L 2295 R2X ↗	RRX	2.2	R	66.4	14.1	1	116.0	794	29
Dyna-Gro	S21XF72 ↗	RXF	2.1	R	66.3	14.1	1	114.0	793	30

	Averages =	64.8	14.4	1	115.4	774
	LSD (0.10) =	6.7	0.3	ns		
	LSD (0.25) =	3.5	0.2	ns		
	C.V. =	9.9				
mark.tollefson@firstseedtests.com, (507) 456-2357					Historic yield: 66.62 bu/a, 3 yr(s)	

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.2 Drying = \$0.035 Prices: GMO = \$12.00

Report Date: 10/09/2021

† 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

©2021, All rights reserved by Elite Field Genetics, LLC

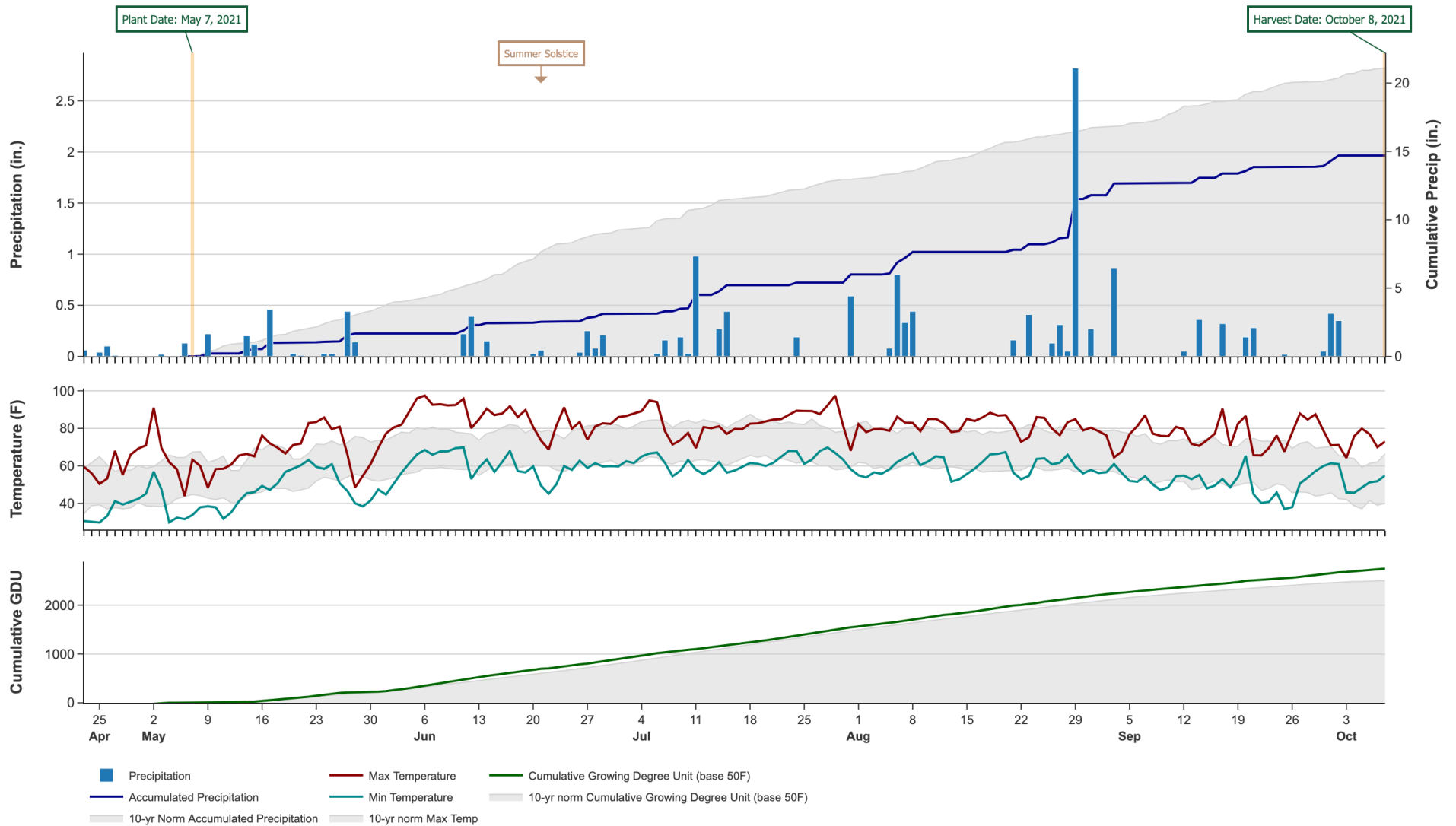
Additional reports available at www.firstseedtests.com

2021 Soybeans - South Dakota East Central [SDEC]

Weather Conditions Summary at DELL RAPIDS, SD

Weather Data Retrieved: 10/09/2021

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) Normal (Diff)	0.2 0.8 (-0.6)	1.8 4.5 (-2.6)	1.4 5.5 (-4.1)	2.9 3.9 (-1.1)	5.8 3.8 (+2.0)	2.1 3.4 (-1.3)	0.8 1.0 (-0.2)	15.1 22.8 (-7.8)
GDU Normal (Diff)	27 18 (+8)	268 262 (+5)	641 559 (+81)	678 693 (-15)	647 593 (+53)	448 381 (+66)	106 51 (+54)	2815 2561 (+253)



* 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
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

Company/Brand	Brand/Product	Technology	SCN	RM	Seed Treat.
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
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

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

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

Soybeans Technologies

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

Soybeans Seed Treatments*

NA	Not Available
ACi,IL	Acceleron® Standard Insecticide-Fungicide, ILeVO
AM	ApronMaxx
CMBV,SA	Cruisermass® 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

* Seed treatments may include unspecified plant health promoting components.