

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

2023 Soybeans Top 30 Harvest Report

South Dakota East Central [SDEC] COLTON, SD
Floyd Snoozy, Minnehaha County, SD 57018

All-Season Test	Maturity Group 1.6 - 2.3 S2023SDEC06
Top 30 of 47	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Sonic, Flexstar, Roundup, Volunteer
SOIL DESCRIPTION:	Moody-Nora Complex silty clay loam, well drained, non-irrigated
SOIL CONDITION:	very high P, medium K, 5.0 pH, 3.5% OM, 22.7 CEC
TILLAGE/CULTIVATION:	Conventional W/ Fall Till
PEST MANAGEMENT:	Roundup, Liberty
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 19 140.0 /A 30" spacing
HARVESTED - STAND:	Oct 11 115.5 /A

TEST COMMENTS:

This location had good weed control all year, and no weeds were seen at harvest. The field average of soybeans around the plot was in the mid-50s. The plot had a bit of rolling terrain and some of the best yields were in the low ground. This was a really nice looking plot with lack of moisture being the biggest variable for plot results.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Golden Harvest	<i>GH1973E3S § ↗</i>	E3,ST	1.9	R	67.6	10.3	5	115.7	811	1
Dairyland	DSR-1788E ↗	E3	1.7	R	67.0	10.4	6	116.3	804	2
Hefty	H18XF2 ↗	RXF	1.8	NA	65.3	10.0	11	116.7	784	3
Stine	21EG32 § ↗	E3	2.1	R	65.3	11.0	4	115.3	784	4
Thunder	TX8215N ↗	RXF	1.5	R	64.2	10.5	8	113.0	770	5
Hefty	H18E3 ↗	E3	1.8	R	62.3	10.2	4	117.7	748	6
Xitavo	XO 1822E ↗	E3	1.8	R	62.2	10.5	4	117.7	746	7
Dak-Sota	DE5412 GC ↗	E3	1.2	R	61.2	10.4	11	116.3	734	8
Thunder	TX8417N ↗	RXF	1.7	R	61.0	10.7	6	112.3	732	9
Golden Harvest	<i>GH2004XF § ↗</i>	RXF	2.0	MR	61.0	10.1	2	113.7	732	10
Hefty	H22XF4 ↗	RXF	2.2	R	60.9	9.9	3	114.3	731	11
Xitavo	XO 2181E ↗	E3	2.1	R	60.8	10.3	6	118.3	730	12
Stine	19EG92 § ↗	E3	1.9	R	60.5	10.1	6	114.3	726	13
Hefty	H16E4 ↗	E3	1.6	R	60.0	10.5	4	117.3	720	14
Dairyland	DSR-1919E ↗	E3	1.9	R	59.9	10.1	6	115.7	719	15
Xitavo	XO 1632E ↗	E3	1.6	R	59.2	10.2	5	118.0	710	16
Genesis	G1560E ↗	E3	1.5	R	58.9	10.6	6	113.3	707	17
Hefty	H15XF2 ↗	RXF	1.5	NA	58.8	10.5	11	114.7	706	18
Pioneer	P18A73E § ↗	E3	1.8	NA	58.3	10.1	3	116.0	700	19
Asgrow	AG19XF3 § ↗	RXF	1.9	R	58.0	10.2	10	116.3	696	20
Xitavo	XO 2323E ↗	E3	2.3	R	57.9	10.1	3	115.3	695	21
Xitavo	XO 1372E ↗	E3,ST	1.3	R	57.1	10.2	5	114.7	685	22
Genesis	G2180E ↗	E3	2.1	R	56.9	10.5	3	118.0	683	23
Thunder	TE7419N ↗	E3	1.9	R	56.8	10.2	3	114.0	682	24
Pioneer	P19A66E § ↗	E3	1.9	NA	56.6	9.7	7	114.7	679	25
Hefty	H14XF3 ↗	RXF	1.4	R	56.5	10.6	7	117.7	678	26
Zinesto	Z2202E ↗	E3	2.2	NA	55.7	10.2	6	117.7	668	27
Stine	20EG02 § ↗	E3	2.0	R	55.3	10.6	7	113.3	664	28
Xitavo	XO 2282E ↗	E3	2.2	R	55.2	10.0	4	114.7	662	29
Zinesto	Z1900E ↗	E3	1.9	R	55.0	10.0	6	114.3	660	30

Averages = **56.8** **10.2** **5** **115.5** **682**

LSD (0.10) = 7.7 0.3 ns

LSD (0.25) = 4.0 0.1 ns

C.V. = 12.8

Historic yield: 61.91 bu/a, 13 yr(s)

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Yield & Income Factors:

Base Moisture = 13.0%

Shrink = 1.0

Drying = \$0.00

Prices: GMO = \$12.00

Report Date: 10/14/2023

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

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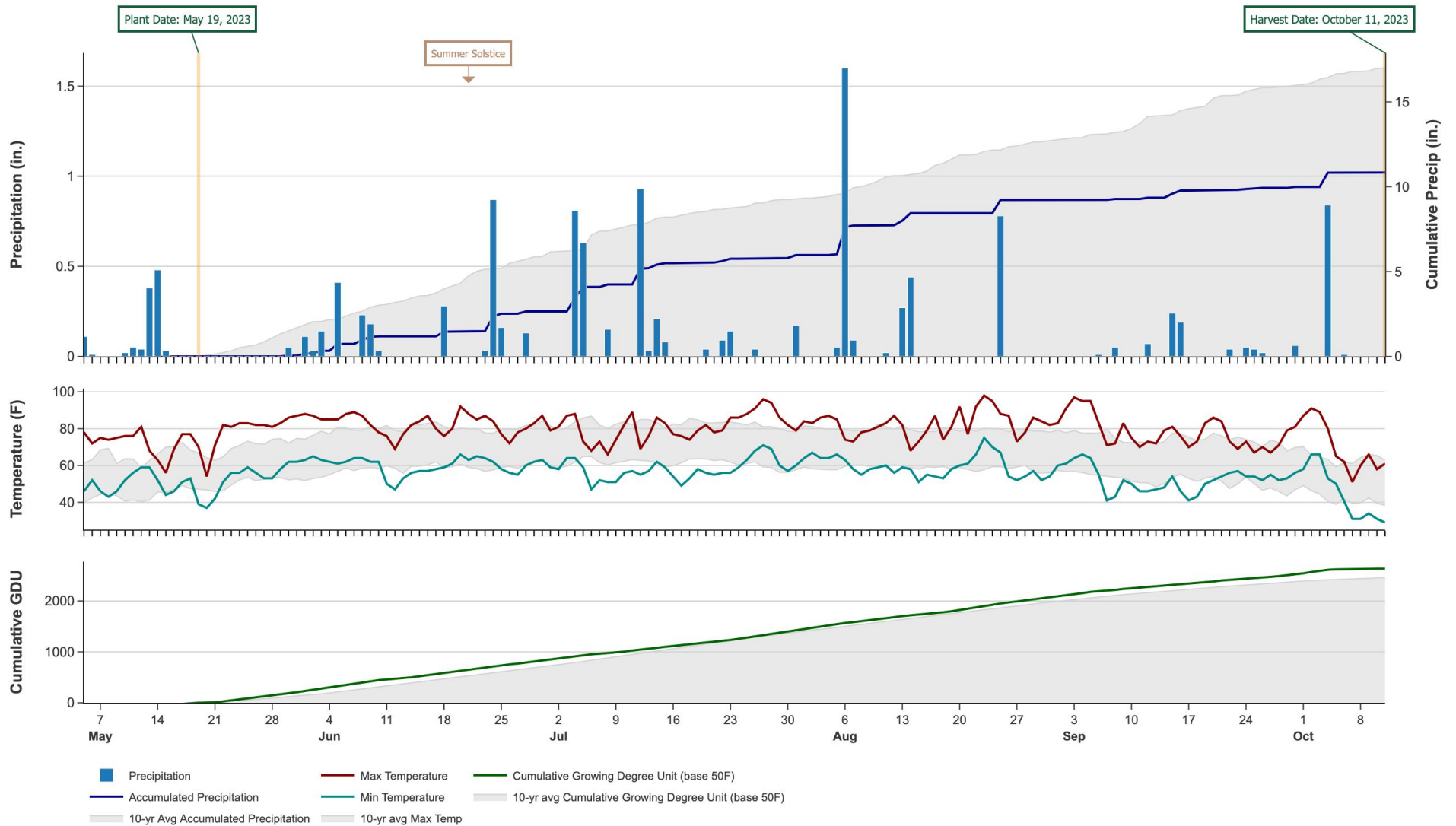
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2023 Soybeans - South Dakota East Central [SDEC]

Weather Conditions Summary at COLTON, SD

Weather Data Retrieved: 10/14/2023

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) (Diff)	1.2 3.7 (-2.5)	2.6 4.2 (-1.6)	3.3 3.4 (-0.1)	3.2 3.4 (-0.2)	0.8 3.2 (-2.4)	0.8 1.1 (-0.2)	12.0 19.0 (-7.0)
GDU Avg (Diff)	394 246 (+147)	630 575 (+54)	588 675 (-87)	630 593 (+36)	464 407 (+56)	112 72 (+39)	2818 2570 (+247)



* 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.

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All-Season Test Products (47 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Asgrow	AG18XF1	RXF	R	1.8	ACi,IL
Asgrow	AG19XF3	RXF	R	1.9	ACi,IL
Asgrow	AG21XF2	RXF	R	2.1	ACi,IL
Channel	1822RXF	RXF	MR	1.8	Untreated
Dairyland	DSR-1788E	E3	R	1.7	Lum,Lu,IL
Dairyland	DSR-1919E	E3	R	1.9	Lum,Lu,IL
Dairyland	DSR-2188E	E3	R	2.1	Lum,Lu,IL
Dairyland	DSR-2310E	E3	R	2.3	Lum,Lu,IL
Dak-Sota	DE5117	E3	R	1.7	TFI
Dak-Sota	DE5215	E3	R	1.5	TFI
Dak-Sota	DE5319	E3	R	1.9	TFI
Dak-Sota	DE5412	E3	R	1.2	TFI
Dak-Sota	DE5414	E3	R	1.4	TFI
Genesis	G1560E	E3	R	1.5	ACi,IL
Genesis	G2180E	E3	R	2.1	EcQ,NF,NH,SA
Golden Harvest	GH1864XF	RXF	MR	1.8	CMB-APX,SA
Golden Harvest	GH1973E3S	E3,ST	R	1.9	CMB-APX,SA
Golden Harvest	GH2004XF	RXF	MR	2.0	CMB-APX,SA
Golden Harvest	GH2292E3	E3	MR	2.2	CMB-APX,SA
Hefty	H14XF3	RXF	R	1.4	DST5
Hefty	H15XF2	RXF	NA	1.5	DST5
Hefty	H16E4	E3	R	1.6	DST5
Hefty	H18E3	E3	R	1.8	DST5
Hefty	H18XF2	RXF	NA	1.8	DST5
Hefty	H20E3	E3	R	2.0	DST5
Hefty	H21XF2	RXF	NA	2.1	DST5
Hefty	H22XF4	RXF	R	2.2	DST5
Mustang	23E824	E3	R	2.3	Treated
Pioneer	P18A73E	E3	NA	1.8	Lum, LumT, IL
Pioneer	P19A66E	E3	NA	1.9	Lum, LumT, IL
Stine	19EG92	E3	R	1.9	ACi
Stine	20EG02	E3	R	2.0	ACi
Stine	21EG32	E3	R	2.1	ACi
Thunder	TE7419N	E3	R	1.9	TFI
Thunder	TX8215N	RXF	R	1.5	TFI
Thunder	TX8417N	RXF	R	1.7	TFI
Xitavo	XO 1372E	E3,ST	R	1.3	PV,IL,OB,Rey
Xitavo	XO 1632E	E3	R	1.6	PV,IL,OB,Rey
Xitavo	XO 1761E	E3	R	1.7	PV,IL,OB,Rey
Xitavo	XO 1822E	E3	R	1.8	PV,IL,OB,Rey
Xitavo	XO 2181E	E3	R	2.1	PV,IL,OB,Rey
Xitavo	XO 2282E	E3	R	2.2	PV,IL,OB,Rey

Company/Brand	Brand/Product	Technology	SCN	RM	Seed Treat.
Xitavo	XO 2323E	E3	R	2.3	PV,IL,OB,Rey
Zinesto	Z1900E	E3	R	1.9	DST5
Zinesto	Z1902E	E3	NA	1.9	DST5
Zinesto	Z2101E	E3	R	2.1	DST5
Zinesto	Z2202E	E3	NA	2.2	DST5

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®
RXF	XtendFlex®
ST	Sulfonylurea tolerant

Soybeans Seed Treatments*

NA	Not Available
ACi	Acceleron® Standard Insecticide-Fungicide
ACi,IL	Acceleron® Standard Insecticide-Fungicide, ILeVO
CMB-APX,SA	CruiserMaxx® APX with Saltro®
DST5	Dominance 5 ST
EcQ,NF,NH,SA	Eclipse US Total Quad-R, N-Force, N-Hibit, Saltro
Lum,Lu,IL	LumiGEN™, Lumisena™, ILeVO
Lum, LumT, IL	LumiGEN™, LumiTreo, ILEVO
PV,IL,OB,Rey	Poncho®/Votivo®, ILeVO, Obvius Plus, Relenya®
TFI	ThunderStruck F&I (Thunder Seed Inc.)
Treated	Treated, unspecified
Untreated	No seed treatment

* Seed treatments may include unspecified plant health promoting components.