

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

2023 Soybeans Top 30 Harvest Report

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

All-Season Test	Maturity Group 1.6 - 2.3 S2023SDEC05
Top 30 of 47	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Roundup
SOIL DESCRIPTION:	Hetland silty clay loam, well drained, non-irrigated
SOIL CONDITION:	very high P, low K, 6.4 pH, 4.3% OM, 23.5 CEC
TILLAGE/CULTIVATION:	No-Till
PEST MANAGEMENT:	Liberty, Roundup
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 22 140.0 /A 30" spacing
HARVESTED - STAND:	Oct 17 100.7 /A

TEST COMMENTS:

The plot was stunted during the early growing stages by a hail storm in June. The crop development was slow to canopy and a second application of herbicide was required. The hail damage was significant enough that it caused variable results. Due to high variance from hail damage, the results were rejected.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Thunder	TX8215N ↗	RXF	1.5	R	32.9	14.8	3	101.7	391	1
Xitavo	XO 1822E ↗	E3	1.8	R	32.8	14.9	3	102.3	390	2
Xitavo	XO 1632E ↗	E3	1.6	R	32.3	15.1	3	101.3	383	3
Dak-Sota	DE5215 ↗	E3	1.5	R	31.9	14.9	3	105.7	379	4
Asgrow	AG21XF2 § ↗	RXF	2.1	R	30.3	14.5	2	104.0	361	5
Golden Harvest	GH2004XF § ↗	RXF	2.0	MR	29.4	15.0	2	102.0	346	6
Stine	21EG32 § ↗	E3	2.1	R	28.7	15.9	4	102.0	339	7
Thunder	TX8417N ↗	RXF	1.7	R	28.5	14.7	3	102.3	339	8
Dak-Sota	DE5412 GC ↗	E3	1.2	R	28.2	14.6	4	104.3	336	9
Hefty	H16E4 ↗	E3	1.6	R	27.9	15.4	4	101.7	331	10
Golden Harvest	GH2292E3 ↗	E3	2.2	MR	27.5	15.5	3	101.0	326	11
Mustang	23E824 ↗	E3	2.3	R	27.4	14.7	4	104.0	326	12
Zinesto	Z2202E ↗	E3	2.2	NA	27.2	16.0	3	102.0	321	14
Asgrow	AG18XF1 § ↗	RXF	1.8	R	27.2	14.2	4	101.3	324	13
Stine	19EG92 § ↗	E3	1.9	R	26.9	14.7	3	99.7	320	15
Dairyland	DSR-1919E ↗	E3	1.9	R	26.6	14.3	6	101.3	317	16
Genesis	G1560E ↗	E3	1.5	R	26.3	14.6	4	102.3	313	17
Genesis	G2180E ↗	E3	2.1	R	26.1	14.7	4	99.3	310	18
Hefty	H22XF4 ↗	RXF	2.2	R	25.2	14.4	4	104.3	300	19
Hefty	H21XF2 ↗	RXF	2.1	NA	25.1	15.6	4	102.3	297	20
Xitavo	XO 2323E ↗	E3	2.3	R	24.8	13.6	2	100.3	297	21
Thunder	TE7419N ↗	E3	1.9	R	24.8	14.8	1	102.3	295	23
Xitavo	XO 1372E ↗	E3,ST	1.3	R	24.8	14.1	3	101.3	296	22
Dak-Sota	DE5117 ↗	E3	1.7	R	24.6	14.6	4	100.3	293	24
Dairyland	DSR-2310E ↗	E3	2.3	R	24.2	15.1	4	98.3	287	25
Dak-Sota	DE5319 ↗	E3	1.9	R	24.1	15.9	3	99.0	285	26
Hefty	H14XF3 ↗	RXF	1.4	R	23.9	14.3	4	100.0	285	27
Hefty	H18E3 ↗	E3	1.8	R	23.7	14.4	4	100.3	282	28
Stine	20EG02 § ↗	E3	2.0	R	23.4	15.4	4	97.3	277	29
Dak-Sota	DE5414 ↗	E3	1.4	R	23.1	14.7	3	102.0	275	30

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Averages = **24.7** **14.8** **4** **100.7** **294**

LSD (0.10) = 5.7 0.7 ns

LSD (0.25) = 3.0 0.4 ns

C.V. = 21.8

Historic yield: 53.02 bu/a, 11 yr(s)

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.0 Drying = \$0.06 Prices: GMO = \$12.00

Report Date: 10/19/2023

† 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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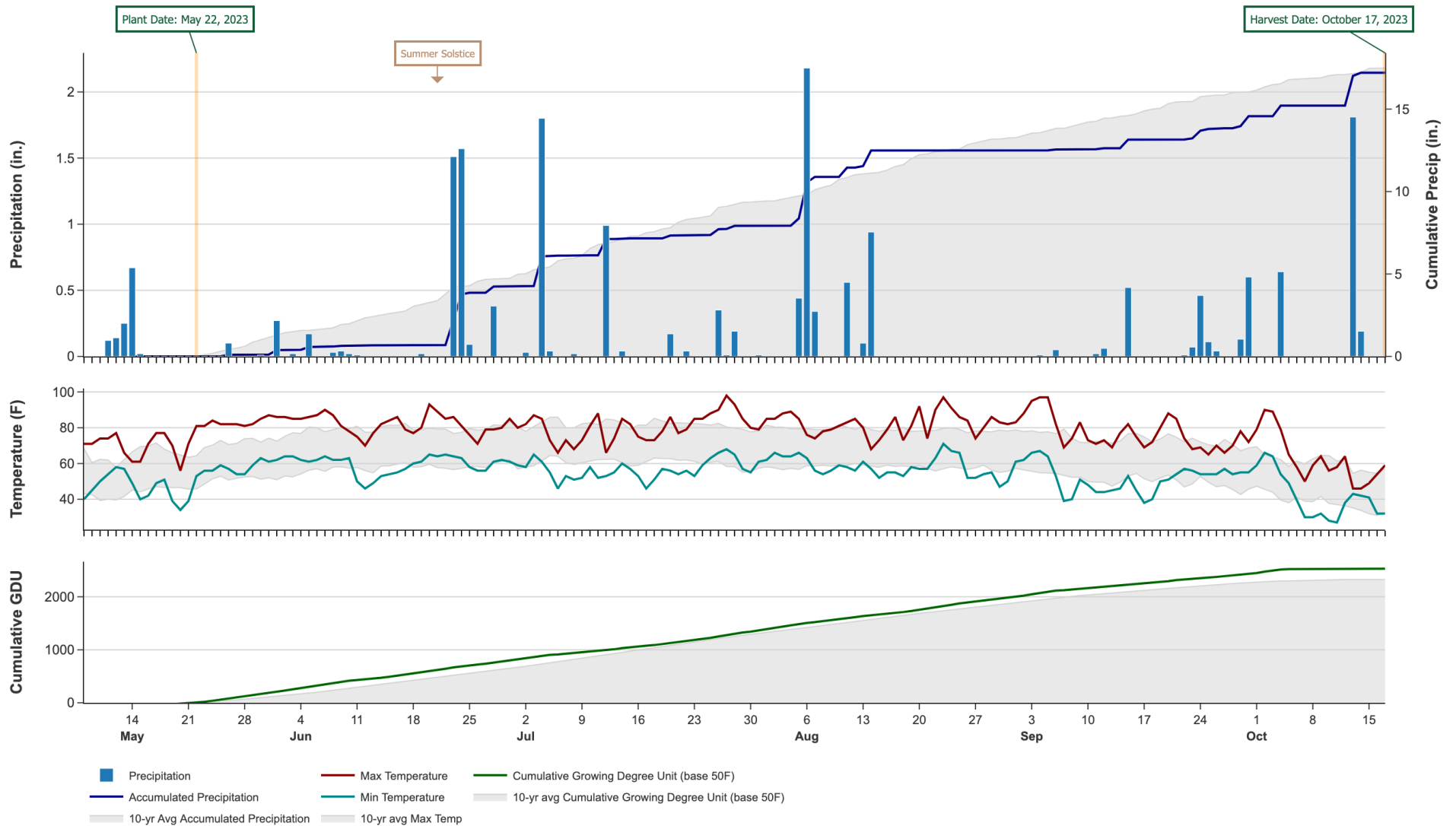
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2023 Soybeans - South Dakota East Central [SDEC]

Weather Conditions Summary at ARLINGTON, SD

Weather Data Retrieved: 10/19/2023

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) (Diff)	1.3 3.3 (-2.0)	4.1 3.6 (+0.6)	3.7 4.7 (-1.0)	4.6 3.9 (+0.7)	2.1 2.8 (-0.7)	2.6 1.4 (+1.2)	18.4 19.6 (-1.2)
GDU Avg (Diff)	344 216 (+127)	620 547 (+72)	561 653 (-92)	612 573 (+38)	454 387 (+66)	101 56 (+44)	2692 2434 (+257)



* 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 GC	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.