

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

2023 Soybeans Top 30 Harvest Report

South Dakota Northeast [SDNE] GROTON, SD
Scott Sperry, Brown County, SD 57427

All-Season Test	Maturity Group 1.0 - 1.7 S2023SDNE11
Top 30 of 50	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Roundup, Weathermax, Authority Mtz, Sharpen
SOIL DESCRIPTION:	Exline-Putney silt loam, mod. well drained, non-irrigated
SOIL CONDITION:	low P, high K, 7.0 pH, 3.6% OM, 24.5 CEC
TILLAGE/CULTIVATION:	No-Till
PEST MANAGEMENT:	Sonic, Roundup, Liberty
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 23 140.0 /A 30" spacing
HARVESTED - STAND:	Oct 24 116.2 /A

TEST COMMENTS:

This plot was very clean with good weed control across the area. Some timely rains seemed to help yields here. Recent damp weather has raised bean moistures at harvest. An upcoming weather change pushed harvest sooner than normal for harvesting.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Dairyland	DSR-1450E ↗	E3,ST	1.4	R	69.5	14.6	3	115.5	834	1
Dak-Sota	DE5414 ↗	E3	1.4	R	68.5	14.8	2	117.7	822	2
Thunder	TX8417N ↗	RXF	1.7	R	67.9	15.1	1	117.0	815	3
Hefty	H16XF4 ↗	RXF	1.6	R	67.8	15.3	3	116.7	814	4
Paloma	PL2E141 ↗	E3	1.4	R	67.2	15.2	1	114.5	806	5
Golden Harvest	GH1124XF § ↗	RXF	1.1	MR	66.9	15.0	3	116.0	803	6
Channel	1022RFX § ↗	RXF	1.0	NA	66.8	15.4	4	117.5	802	7
Golden Harvest	GH1194E3 § ↗	E3	1.1	MR	66.6	15.0	2	116.0	799	8
Thunder	TX8313N ↗	RXF	1.3	R	66.0	15.2	2	116.7	792	9
Thunder	TX8414N ↗	RXF	1.4	R	65.6	15.1	1	115.7	787	10
Xitavo	XO 1632E ↗	E3	1.6	R	65.5	15.0	1	116.0	786	11
Thunder	TX8215N ↗	RXF	1.5	R	65.3	15.2	2	113.7	784	12
Thunder	TX8412N ↗	RXF	1.2	R	65.0	14.8	3	115.7	780	13
Dak-Sota	DE5215 ↗	E3	1.5	R	64.9	14.8	1	117.3	779	14
Xitavo	XO 1212E ↗	E3	1.2	R	64.9	14.7	2	114.7	779	15
Xitavo	XO 1372E ↗	E3,ST	1.3	R	64.4	14.8	3	116.7	773	16
Dairyland	DSR-1290E ↗	E3,ST	1.2	R	64.2	15.2	1	116.7	770	17
Zinesto	Z1702E ↗	E3	1.7	NA	64.0	14.9	3	116.3	768	18
Golden Harvest	GH1762XF ↗	RXF	1.7	MR	63.9	15.0	2	116.0	767	19
Xitavo	XO 1761E ↗	E3	1.7	R	63.7	14.0	4	116.7	764	20
Asgrow	AG12XF3 § ↗	RXF	1.2	R	63.6	15.1	3	117.7	763	21
Hefty	H14XF3 ↗	RXF	1.4	R	63.4	15.2	3	116.0	761	22
Asgrow	AG15XF2 § ↗	RXF	1.5	R	63.3	15.3	3	114.7	760	23
Paloma	PL2E093 ↗	E3	1.0	R	63.2	14.5	3	116.3	758	24
Hefty	H15XF2 ↗	RXF	1.5	NA	63.1	15.0	5	114.7	757	25
Zinesto	Z1502E ↗	E3	1.5	NA	62.4	15.0	1	116.0	749	26
Zinesto	Z1101E ↗	E3	1.1	R	62.4	15.2	1	115.7	749	27
Pioneer	P08A44E § ↗	E3	0.8	NA	62.0	14.6	4	118.0	744	28
Stine	17EE32 § ↗	E3	1.7	R	62.0	15.1	2	116.7	744	29
Xitavo	XO 1404E ↗	E3	1.4	R	61.5	14.9	2	115.7	738	30



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Averages = **62.5** **14.9** **2** **116.2** **752**

LSD (0.10) = 4.5 0.3 ns

LSD (0.25) = 2.3 0.1 ns

C.V. = 6.8

Historic yield: 58.72 bu/a, 2 yr(s)

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.1 Drying = \$0.00 Prices: GMO = \$12.00

Report Date: 10/25/2023

† 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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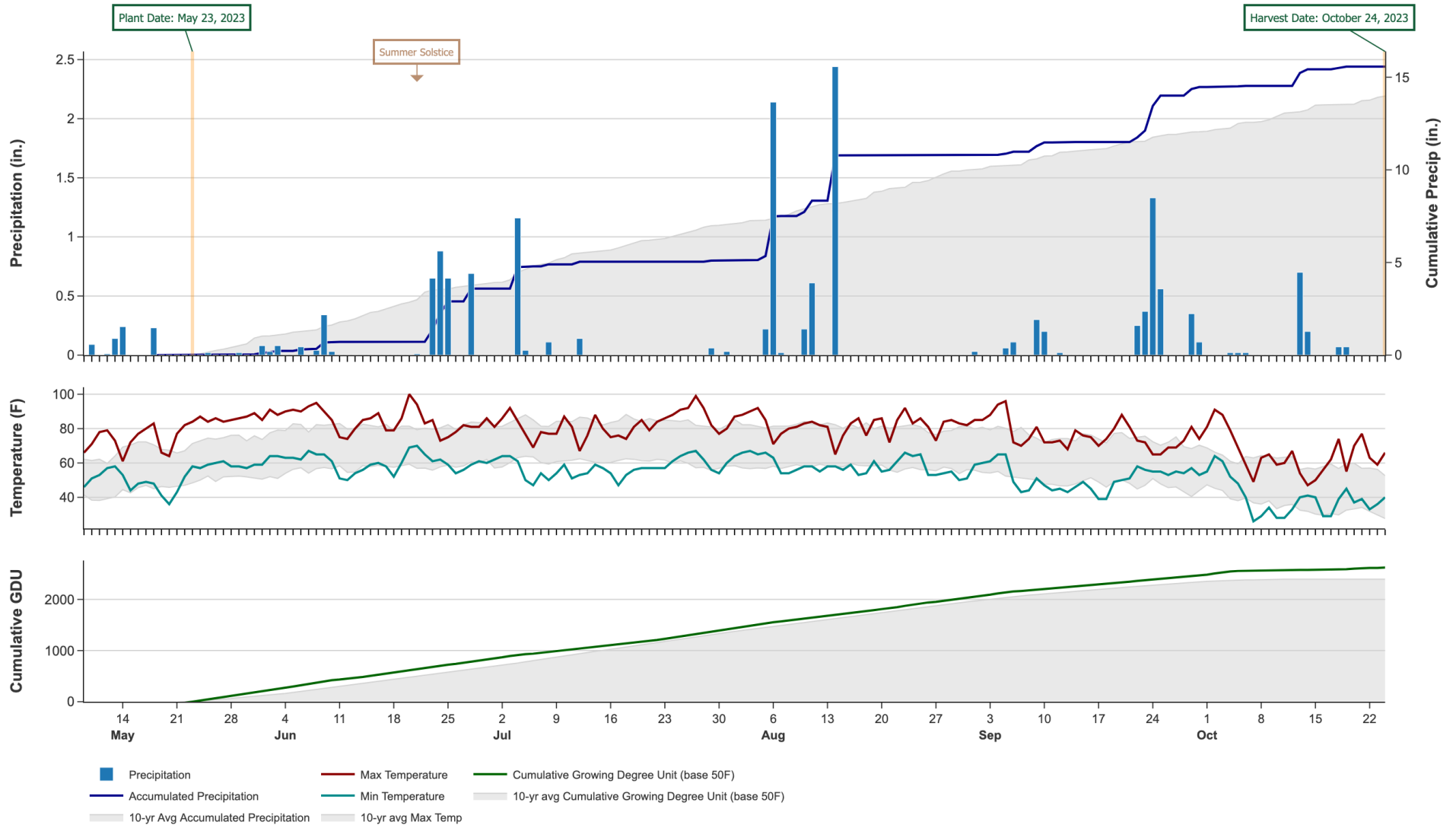
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2023 Soybeans - South Dakota Northeast [SDNE]

Weather Conditions Summary at GROTON, SD

Weather Data Retrieved: 10/25/2023

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) (Diff)	0.8 2.7 (-1.9)	3.5 2.9 (+0.6)	1.5 3.2 (-1.7)	5.7 3.0 (+2.7)	3.7 2.1 (+1.6)	1.1 1.9 (-0.8)	16.3 15.7 (+0.6)
GDU Avg (Diff)	374 220 (+153)	646 566 (+79)	586 683 (-97)	616 598 (+17)	440 391 (+48)	158 51 (+106)	2820 2511 (+308)



* 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 (50 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Asgrow	AG12XF3 §	RXF	R	1.2	ACi,IL
Asgrow	AG12XF4 §	RXF	S	1.2	ACi,IL
Asgrow	AG15XF2 §	RXF	R	1.5	ACi,IL
Channel	1022RXF §	RXF	NA	1.0	Untreated
Dairyland	DSR-1290E	E3,ST	R	1.2	Lum,Lu,IL
Dairyland	DSR-1450E	E3,ST	R	1.4	Lum,Lu,IL
Dairyland	DSR-1505E	E3	R	1.5	Lum,Lu,IL
Dairyland	DSR-1788E	E3	R	1.7	Lum,Lu,IL
Dak-Sota	DE5110	E3	R	1.0	TFI
Dak-Sota	DE5117	E3	R	1.7	TFI
Dak-Sota	DE5215	E3	R	1.5	TFI
Dak-Sota	DE5412	E3	R	1.2	TFI
Dak-Sota	DE5414	E3	R	1.4	TFI
Genesis	G1560E	E3	R	1.5	EcQ,NF,NH,SA
Golden Harvest	GH1124XF §	RXF	MR	1.1	CMB-APX,SA
Golden Harvest	GH1194E3 §	E3	MR	1.1	CMB-APX,SA
Golden Harvest	GH1303XF §	RXF	R	1.3	CMB-APX,SA
Golden Harvest	GH1762XF	RXF	MR	1.7	CMB-APX,SA
Hefty	H12XF4	RXF	R	1.2	DST5
Hefty	H13XF4	RXF	R	1.3	DST5
Hefty	H14XF3	RXF	R	1.4	DST5
Hefty	H15XF2	RXF	NA	1.5	DST5
Hefty	H16E4	E3	R	1.6	DST5
Hefty	H16XF4	RXF	R	1.6	DST5
Hefty	H17XF1	RXF	NA	1.7	DST5
Paloma	PL2E093	E3	R	1.0	EcTCD
Paloma	PL2E141	E3	R	1.4	EcTCD
Paloma	PL2E153	E3	R	1.5	EcTCD
Pioneer	P08A44E §	E3	NA	0.8	Untreated
Pioneer	P11T36E §	E3	NA	1.1	Lum, LumT, IL
Stine	10EF23 §	E3	R	1.0	ACi
Stine	14EG32 §	E3	R	1.4	ACi
Stine	17EE32 §	E3	R	1.7	ACi
Thunder	TE7415N	E3	R	1.5	TFI
Thunder	TX8215N	RXF	R	1.5	TFI
Thunder	TX8313N	RXF	R	1.3	TFI
Thunder	TX8412N	RXF	R	1.2	TFI
Thunder	TX8414N	RXF	R	1.4	TFI
Thunder	TX8417N	RXF	R	1.7	TFI
Xitavo	XO 1133E	E3	R	1.1	PV,IL,OB,Rey
Xitavo	XO 1212E	E3	R	1.2	PV,IL,OB,Rey
Xitavo	XO 1372E	E3,ST	R	1.3	PV,IL,OB,Rey

Company/Brand	Brand/Product	Technology	SCN	RM	Seed Treat.
Xitavo	XO 1404E	E3	R	1.4	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
Zinesto	Z1101E	E3	R	1.1	DST5
Zinesto	Z1202E	E3	NA	1.2	DST5
Zinesto	Z1304E	E3	R	1.3	DST5
Zinesto	Z1502E	E3	NA	1.5	DST5
Zinesto	Z1702E	E3	NA	1.7	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
EcTCD	EclipseUS Duo-R - Rancona®, StartUP®
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.)
Untreated	No seed treatment

* Seed treatments may include unspecified plant health promoting components.