

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

2023 Soybeans Top 30 Harvest Report

South Dakota Northeast [SDNE] WATERTOWN, SD
Myron Keltgen, Codington County, SD 57201

All-Season Test	Maturity Group 1.0 - 1.7 S2023SDNE12
Top 30 of 50	For Gross Income (Sorted by Yield) Average of (2) Replications
PREV. CROP/HERB:	Corn / Force, Authority First, Atrazine, Bellum
SOIL DESCRIPTION:	Poinsett-Buse-Waubay Complex silty clay loam, well drained, non-irrigated
SOIL CONDITION:	high P, very high K, 6.5 pH, 3.8% OM, 22.5 CEC
TILLAGE/CULTIVATION:	No-Till
PEST MANAGEMENT:	Authority First, Glory Df, Interline, Anthem Maxx, Mobilize, Dry Ams
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 22 140.0 /A 30" spacing
HARVESTED - STAND:	Oct 11 117.1 /A

TEST COMMENTS:

The weed control was good here. Harvest conditions were dry, and we had low bean moistures. The biggest stress was the lack of rainfall which caused some variable results in yields. One replicate was removed due to yield variability there.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Dairyland	DSR-1505E ↗	E3	1.5	R	68.4	9.0	4	118.5	820	1
Thunder	TE7415N ↗	E3	1.5	R	68.4	9.1	9	117.5	820	2
Xitavo	XO 1212E ↗	E3	1.2	R	66.9	9.2	9	118.5	803	3
Dak-Sota	DE5117 ↗	E3	1.7	R	65.2	9.5	7	117.0	782	4
Golden Harvest	GH1194E3 § ↗	E3	1.1	MR	64.4	9.0	4	116.0	772	5
Zinesto	Z1304E ↗	E3	1.3	R	64.2	9.5	7	119.5	770	6
Dak-Sota	DE5215 ↗	E3	1.5	R	63.7	9.5	4	117.0	764	7
Paloma	PL2E153 ↗	E3	1.5	R	63.2	9.4	7	117.0	758	8
Stine	17EE32 § ↗	E3	1.7	R	63.0	9.4	4	118.5	756	9
Dairyland	DSR-1290E ↗	E3,ST	1.2	R	62.4	9.5	7	117.0	749	10
Dairyland	DSR-1788E ↗	E3	1.7	R	61.7	10.0	5	116.0	739	11
Dairyland	DSR-1450E ↗	E3,ST	1.4	R	61.5	8.9	7	120.0	738	12
Golden Harvest	GH1762XF ↗	RXF	1.7	MR	60.8	8.6	7	118.5	730	13
Xitavo	XO 1632E ↗	E3	1.6	R	60.4	9.0	4	116.0	725	14
Stine	10EF23 § ↗	E3	1.0	R	60.3	9.1	7	111.0	724	15
Zinesto	Z1702E ↗	E3	1.7	NA	60.1	9.6	9	114.0	720	16
Thunder	TX8313N ↗	RXF	1.3	R	59.5	10.1	9	117.5	714	17
Dak-Sota	DE5414 ↗	E3	1.4	R	59.3	9.3	7	117.0	710	18
Hefty	H16E4 ↗	E3	1.6	R	59.1	9.6	4	116.0	709	19
Zinesto	Z1502E ↗	E3	1.5	NA	58.7	9.6	4	114.5	703	20
Thunder	TX8414N ↗	RXF	1.4	R	58.4	8.6	10	119.5	701	21
Xitavo	XO 1761E ↗	E3	1.7	R	58.2	9.0	9	116.0	698	22
Genesis	G1560E ↗	E3	1.5	R	58.0	9.4	4	118.5	696	23
Asgrow	AG12XF3 § ↗	RXF	1.2	R	57.7	9.3	10	117.5	692	24
Hefty	H12XF4 ↗	RXF	1.2	R	57.5	9.2	9	116.0	690	25
Zinesto	Z1101E ↗	E3	1.1	R	57.4	8.9	7	118.5	689	26
Dak-Sota	DE5412 ↗	E3	1.2	R	56.8	8.9	4	119.5	682	27
Channel	1022RXF § ↗	RXF	1.0	NA	56.6	10.0	7	118.5	678	28
Xitavo	XO 1404E ↗	E3	1.4	R	56.5	9.3	7	118.0	678	29
Asgrow	AG15XF2 § ↗	RXF	1.5	R	55.4	9.3	7	116.0	665	30



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Averages = **57.1** **9.2** **7** **117.1** **685**

LSD (0.10) = 7.7 ns ns

LSD (0.25) = 4.0 ns ns

C.V. = 10.3

Historic yield: 51.06 bu/a, 9 yr(s)

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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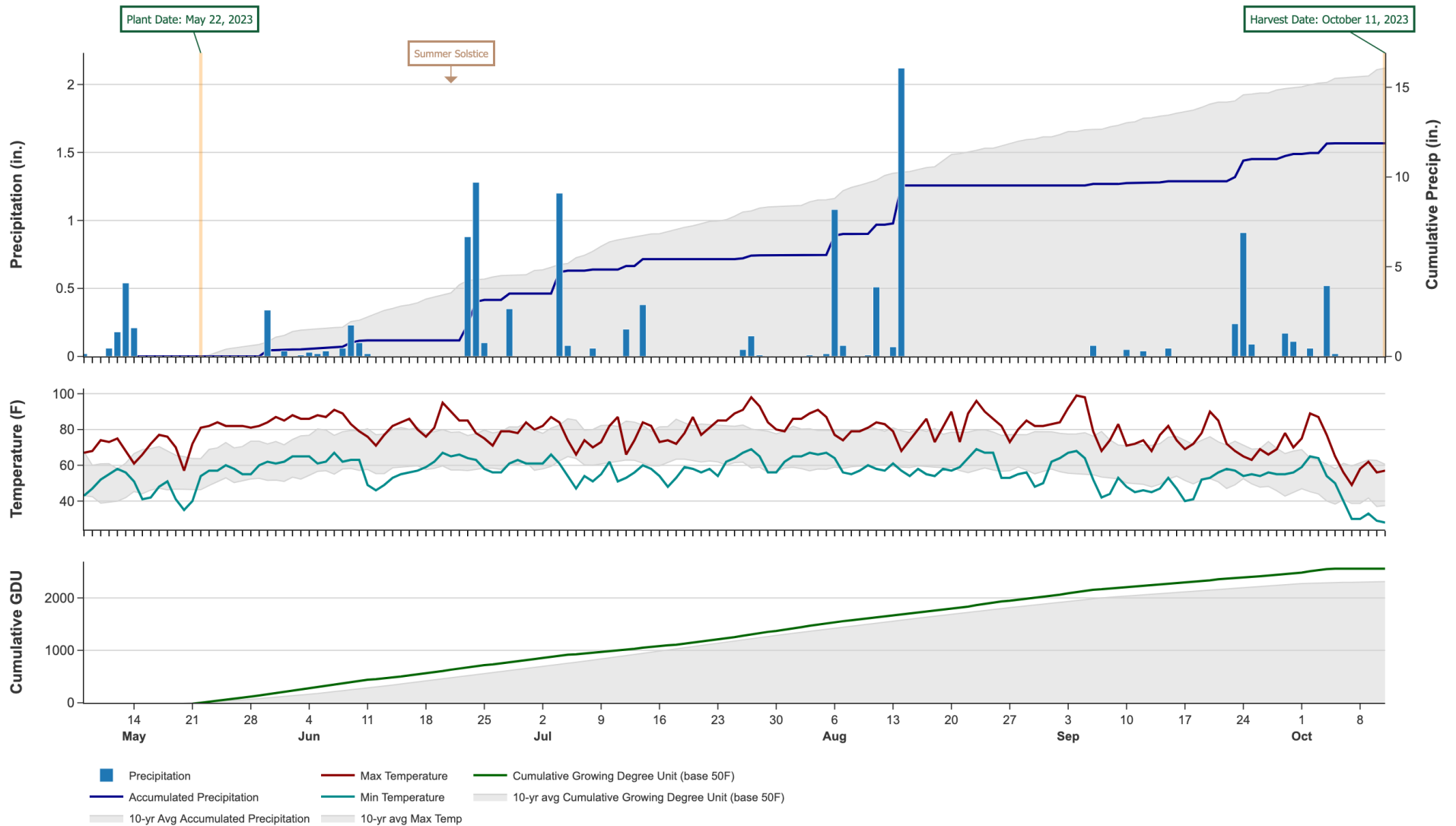
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2023 Soybeans - South Dakota Northeast [SDNE]

Weather Conditions Summary at WATERTOWN, SD

Weather Data Retrieved: 10/14/2023

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) (Diff)	1.4 2.9 (-1.5)	3.2 3.5 (-0.3)	2.1 3.8 (-1.7)	3.9 3.9 (0.0)	1.8 2.7 (-1.0)	0.6 1.1 (-0.5)	12.9 17.9 (-5.0)
GDU Avg (Diff)	348 204 (+143)	628 541 (+86)	578 659 (-81)	625 579 (+45)	450 379 (+70)	90 45 (+44)	2719 2410 (+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.

2023 Soybeans - South Dakota Northeast [SDNE]

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.