

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

2023 Soybeans Top 30 Harvest Report

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

All-Season Test	Maturity Group 1.0 - 1.7 S2023SDNE09
Top 30 of 50	For Gross Income (Sorted by Yield) Average of (2) Replications
PREV. CROP/HERB:	Corn / Force, Roundup, Sharpen
SOIL DESCRIPTION:	Harmony-Beotia silt loam, mod. well drained, non-irrigated
SOIL CONDITION:	very high P, very high K, 6.3 pH, 4.3% OM, 18.5 CEC
TILLAGE/CULTIVATION:	No-Till
PEST MANAGEMENT:	Sonic, Liberty, Roundup, Volunteer
Applied N-P-K (units):	0-0-0
SEDED - RATE - ROW:	May 23 140.0 /A 30" spacing
HARVESTED - STAND:	Oct 25 108.0 /A

TEST COMMENTS:

The stand was good but it appeared during harvest that this plot was hit with dicamba drift. The Enlist varieties were visibly shorter. There was no weed pressure. The Xtend Flex varieties were yielding 20 bushels higher than the E3s, so only 2 replicates were collected. The results were rejected due to herbicide drift injury to the majority.

Company/Brand	Product/Brand	Yield †	GR	GCN Moist.	Yield Bu/a	Moisture %	Logging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Thunder	182416L +	807	1.5	R	88.8	13.7	4	117.0	822	1
Thunder	182416L +	807	1.4	R	88.1	13.3	4	116.0	817	2
Golden Harvest	GM17020F +	807	1.7	NA	87.8	14.1	4	116.0	810	3
Argus	AD1204F2 g +	807	1.5	R	87.8	13.8	4	114.0	804	4
Argus	AD1204F4 g +	807	1.2	R	86.8	14.0	1	113.0	803	5
Thunder	182417L +	807	1.7	R	86.8	13.8	3	113.0	798	6
Holly	11204F4 +	807	1.3	R	86.8	14.3	1	113.0	790	7
Thunder	182412L +	807	1.2	R	86.8	13.8	3	113.0	788	8
Holly	11204F2 +	807	1.5	R	86.1	13.8	3	113.0	788	9
Thunder	182416L +	807	1.5	R	85.5	13.8	3	113.0	787	10
Golden Harvest	GM17020F g +	807	1.1	NA	85.3	13.8	3	113.0	782	11
Holly	11204F2 +	807	1.5	R	85.8	13.8	3	113.0	780	12
Holly	11204F4 +	807	1.2	R	85.8	13.8	3	114.0	780	13
Argus	AD1204F2 g +	807	1.5	R	86.7	14.4	4	117.0	778	14
Golden Harvest	GM17020F g +	807	1.1	NA	86.8	13.8	4	113.0	757	15
Cherokee	182040F g +	807	1.5	NA	86.3	14.2	4	115.0	808	16
Holly	11204F4 +	807	1.5	R	86.3	14.0	4	115.0	802	17
Bliss	181102L +	807	1.6	R	82.2	14.3	3	103.0	628	18
Holly	11204F2 +	807	1.7	NA	80.7	13.4	3	115.0	807	19
Bliss	181102L +	807	1.7	R	80.9	13.8	3	104.0	807	20
Bliss	181102L +	807	1.1	R	80.9	14.0	7	109.0	802	21
Bliss	180302L +	807	1.4	R	87.7	14.0	3	104.0	872	22
Dorland	089-1200L +	83.87	1.2	R	86.1	13.8	3	105.0	803	23
Dorland	089210 +	83	1.5	R	85.9	13.8	3	104.0	801	24
Dorland	21200L +	83	1.2	NA	85.9	13.8	3	104.0	801	25
Dorland	089-1400L +	83.87	1.4	R	85.8	13.8	3	104.0	800	26
Thunder	182416L +	807	1.5	R	84.7	13.8	3	105.0	808	27
Bliss	181102L +	807	1.2	R	84.5	13.8	4	106.0	804	28
Dorland	089-1700L +	83	1.7	R	83.8	14.2	4	107.0	808	29
Bliss	170302L g +	83	1.7	R	83.3	14.2	3	103.0	800	30

REJECTED

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Averages =	49.1	13.8	3	108.0	589
LSD (0.10) =	5.9	ns	ns		
LSD (0.25) =	3.1	ns	ns		
C.V. =	9.2			Historic yield: 54.11 bu/a, 17 yr(s)	

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

Report Date: 10/26/2023

† 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

Additional reports available at www.firstseedtests.com

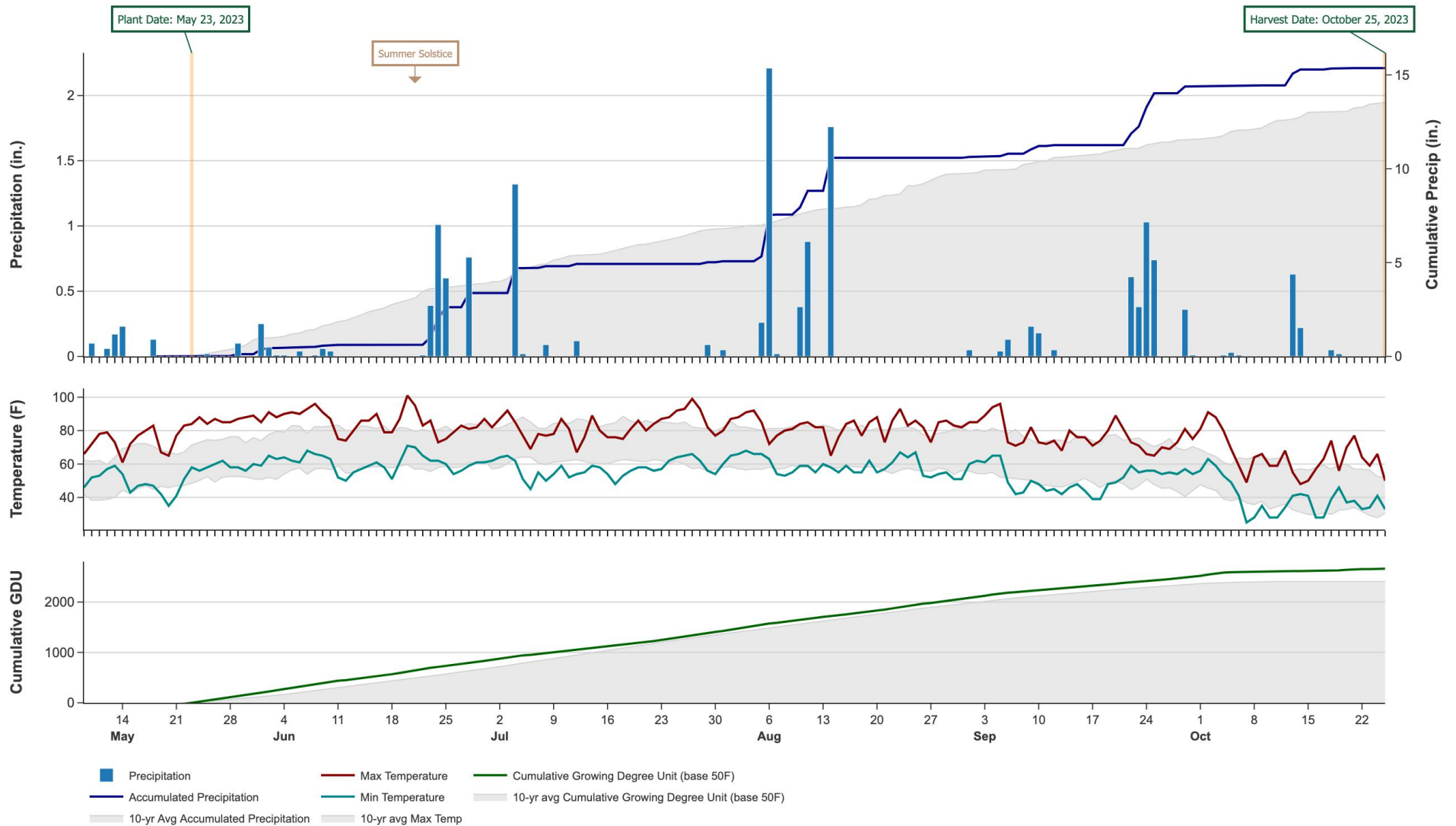
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2023 Soybeans - South Dakota Northeast [SDNE]

Weather Conditions Summary at BATH, SD

Weather Data Retrieved: 10/26/2023

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) (Diff)	0.8 2.5 (-1.7)	3.3 3.0 (+0.3)	1.7 2.9 (-1.2)	5.5 2.9 (+2.6)	3.8 1.8 (+2.0)	1.0 2.0 (-1.0)	16.1 15.1 (+0.9)
GDU Avg (Diff)	376 221 (+154)	656 573 (+83)	594 688 (-94)	628 598 (+29)	448 391 (+56)	160 51 (+108)	2862 2524 (+337)



* 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.