

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

2023 Soybeans Top 30 Harvest Report

South Dakota Southeast [SDSE] JEFFERSON, SD
Austin Chicoine, Union County, SD

All-Season Test	Maturity Group 2.1 - 2.8 S2023SDSE02
Top 30 of 36	For Gross Income (Sorted by Yield) Average of (2) Replications
PREV. CROP/HERB:	Corn / Roundup
SOIL DESCRIPTION:	Haynie silt loam, well drained, non-irrigated
SOIL CONDITION:	very low P, very high K, 7.1 pH, 3.1% OM, 21.1 CEC
TILLAGE/CULTIVATION:	No-Till
PEST MANAGEMENT:	Sonic, Liberty, Roundup
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 20 140.0 /A 30" spacing
HARVESTED - STAND:	Oct 24 119.7 /A

TEST COMMENTS:

After being dry early in the season, there were steady rains in June and July. This plot had some white mold present, though not as much as the nearby East Central plot. Weed control was very good here. The varieties in this maturity range took better advantage of late season rainfall, yielding better than the nearby plot. Wet conditions in the area have slowed soybean harvest. One replicate of the test was removed due to higher yield variability there.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Xitavo	XO 2282E ↗	E3	2.2	R	70.2	13.3	7	120.5	842	1
Pioneer	P22A67E § ↗	E3	2.2	R	68.6	13.1	9	122.0	823	2
Dyna-Gro	S25XF64 ↗	RXF	2.5	R	68.6	14.0	4	120.0	823	3
Pioneer	P19A66E § ↗	E3	1.9	NA	67.3	12.7	4	120.0	808	4
Hefty	H23XF1 ↗	RXF	2.3	NA	67.3	13.1	13	122.0	806	5
Xitavo	XO 2181E ↗	E3	2.1	R	67.2	12.7	9	120.0	806	6
Dyna-Gro	S25EN74 ↗	E3	2.5	R	66.9	14.0	10	121.5	803	7
Asgrow	AG27XF3 § ↗	RXF	2.7	R	66.8	11.6	9	118.5	802	8
Golden Harvest	GH2313XF § ↗	RXF	2.3	R	66.0	12.7	4	120.0	792	9
Zinesto	Z2303E ↗	E3	2.3	R	65.7	14.0	4	121.0	788	10
Genesis	G2570ES ↗	E3,ST	2.5	R	65.6	13.0	7	119.5	787	11
Xitavo	XO 2444E ↗	E3,ST	2.4	R	65.4	14.4	7	120.0	784	12
Genesis	G2550E ↗	E3	2.5	R	65.3	12.9	7	119.5	784	13
Hefty	H26XF3 ↗	RXF	2.6	R	64.8	12.8	9	115.0	778	14
Xitavo	XO 2501E ↗	E3	2.5	R	64.5	11.4	4	119.0	774	15
Stine	28EG29 § ↗	E3	2.8	R	64.1	11.8	9	117.5	768	16
Asgrow	AG24XF3 § ↗	RXF	2.4	R	64.0	13.6	4	120.0	768	17
Xitavo	XO 2613E ↗	E3	2.6	R	63.8	12.9	10	121.5	766	18
Hefty	H21XF2 ↗	RXF	2.1	NA	63.7	12.8	9	117.5	764	19
Zinesto	Z2404E ↗	E3	2.4	R	63.7	14.3	9	118.5	763	20
Genesis	G2780E ↗	E3	2.7	R	63.6	12.7	9	122.0	763	21
Hefty	H22XF4 ↗	RXF	2.2	R	63.6	13.1	13	122.0	763	22
Pioneer	P23A40E § ↗	E3	2.3	R	63.5	13.0	9	121.5	762	23
Xitavo	XO 2832E ↗	E3	2.8	R	63.4	13.3	9	117.5	761	24
Xitavo	XO 2323E ↗	E3	2.3	R	63.1	13.0	4	117.0	756	25
Genesis	G2480E ↗	E3	2.4	R	62.9	14.2	7	114.5	755	26
Golden Harvest	GH2292E3 § ↗	E3	2.2	MR	62.0	12.8	10	122.5	744	27
Stine	24FD32 § ↗	RXF	2.4	R	61.0	12.7	7	121.0	732	28
Stine	27EG22 § ↗	E3	2.7	R	60.8	13.1	7	118.5	730	29
Golden Harvest	GH2722XF § ↗	RXF	2.7	MR	60.1	13.4	10	121.0	721	30

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Averages = **62.7** **13.2** **8** **119.7** **753**

LSD (0.10) = 6.9 ns ns

LSD (0.25) = 3.6 ns ns

C.V. = 8.4

Historic yield: new site

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.0 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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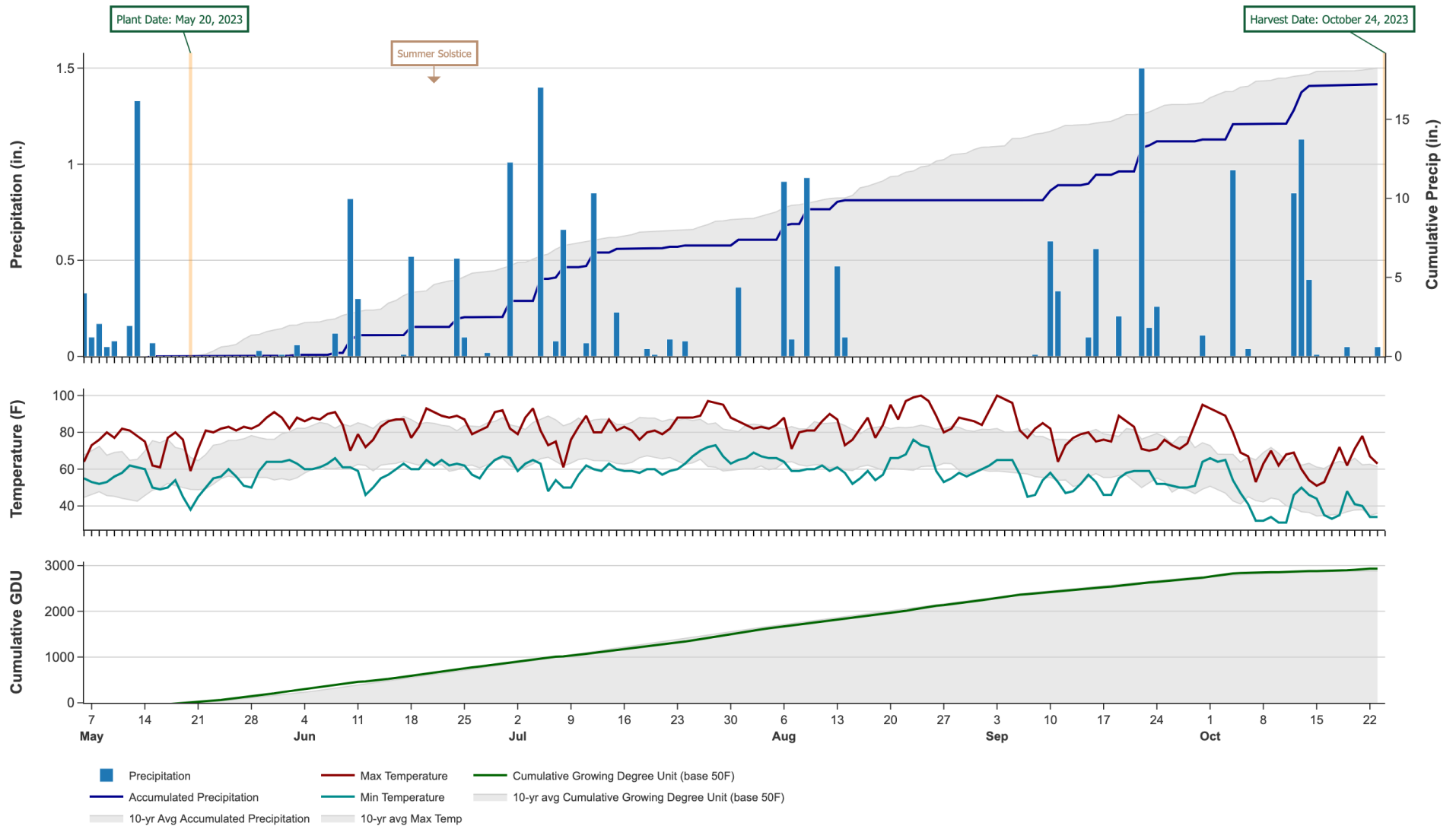
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2023 Soybeans - South Dakota Southeast [SDSE]

Weather Conditions Summary at JEFFERSON, SD

Weather Data Retrieved: 10/25/2023

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) (Diff)	2.3 3.4 (-1.0)	2.5 3.9 (-1.4)	4.9 3.1 (+1.8)	2.5 4.4 (-1.9)	3.8 3.0 (+0.9)	3.5 2.2 (+1.3)	19.5 19.9 (-0.4)
GDU Avg (Diff)	410 306 (+103)	660 674 (-14)	662 750 (-88)	692 678 (+13)	514 495 (+18)	197 128 (+68)	3135 3033 (+101)



* 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 (36 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Asgrow	AG24XF3 §	RXF	R	2.4	ACi,IL
Asgrow	AG25XF3 §	RXF	R	2.5	ACi,IL
Asgrow	AG27XF3 §	RXF	R	2.7	ACi,IL
Dyna-Gro	S25EN74	E3	R	2.5	EQ,VA,Sa
Dyna-Gro	S25XF64	RXF	R	2.5	EQV,Sa,Va
Genesis	G2480E	E3	R	2.4	EcQ,NF,NH,SA
Genesis	G2550E	E3	R	2.5	EcQ,NF,NH,SA
Genesis	G2570ES	E3,ST	R	2.5	EcQ,NF,NH,SA
Genesis	G2780E	E3	R	2.7	EcQ,NF,NH,SA
Golden Harvest	GH2292E3 §	E3	MR	2.2	CMB-APX,SA
Golden Harvest	GH2313XF §	RXF	R	2.3	CMB-APX,SA
Golden Harvest	GH2722XF §	RXF	MR	2.7	CMB-APX,SA
Hefty	H21XF2	RXF	NA	2.1	DST5
Hefty	H22XF4	RXF	R	2.2	DST5
Hefty	H23XF1	RXF	NA	2.3	DST5
Hefty	H24XF4	RXF	R	2.4	DST5
Hefty	H25XF4	RXF	R	2.5	DST5
Hefty	H26XF3	RXF	R	2.6	DST5
Hefty	H27XF4	RXF	R	2.7	DST5
Hefty	H28XF3	RXF	R	2.8	DST5
Pioneer	P19A66E §	E3	NA	1.9	Lum, LumT, IL
Pioneer	P22A67E §	E3	R	2.2	Lum, LumT, IL
Pioneer	P23A40E §	E3	R	2.3	Lum, LumT, IL
Stine	24FD32 §	RXF	R	2.4	ACi
Stine	27EG22 §	E3	R	2.7	ACi
Stine	28EG29 §	E3	R	2.8	ACi
Xitavo	XO 2181E	E3	R	2.1	PV,IL,OB,Rey
Xitavo	XO 2282E	E3	R	2.2	PV,IL,OB,Rey
Xitavo	XO 2323E	E3	R	2.3	PV,IL,OB,Rey
Xitavo	XO 2444E	E3,ST	R	2.4	PV,IL,OB,Rey
Xitavo	XO 2501E	E3	R	2.5	PV,IL,OB,Rey
Xitavo	XO 2613E	E3	R	2.6	PV,IL,OB,Rey
Xitavo	XO 2832E	E3	R	2.8	PV,IL,OB,Rey
Zinesto	Z2303E	E3	R	2.3	DST5
Zinesto	Z2404E	E3	R	2.4	DST5
Zinesto	Z2504E	E3	R	2.5	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
EQ,VA,Sa	Equity VAYO, Saltro®
EQV,Sa,Va	Equity VIP, Saltro®, Vayantis®
Lum, LumT, IL	LumiGEN™, LumiTreo, ILEVO
PV,IL,OB,Rey	Poncho®/Votivo®, ILeVO, Obvius Plus, Relenya®

* Seed treatments may include unspecified plant health promoting components.