

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

2023 Soybeans Top 30 Harvest Report

South Dakota Southeast [SDSE] BURBANK, SD
Tom Hall, Union County, SD

All-Season Test	Maturity Group 2.1 - 2.8 S2023SDSE01
Top 30 of 36	For Gross Income (Sorted by Yield) Average of (2) Replications
PREV. CROP/HERB:	Corn / Resicore, Stinger, Laudis, Atrazine
SOIL DESCRIPTION:	Trent-Tetonka-Wakonda Complex silt loam, mod. well drained, non-irrigated
SOIL CONDITION:	very high P, very high K, 7.4 pH, 3.0% OM, 19.4 CEC
TILLAGE/CULTIVATION:	Minimum W/O Fall Till
PEST MANAGEMENT:	Sonic, Liberty, Volunteer
Applied N-P-K (units):	0-0-0
SEDED - RATE - ROW:	May 20 140.0 /A 30" spacing
HARVESTED - STAND:	Oct 22 119.7 /A

TEST COMMENTS:

Weeds took down yields in a few plots around the edges of the site. Seed size was a little smaller than average. Field averages around the plot were in the mid-sixties. We had good yields here as most of the plot was clean at harvest. One replicate was removed due to variability from weed pressure.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Asgrow	AG27XF3 § ↗	RXF	2.7	R	71.7	14.0	13	120.0	856	1
Genesis	G2780E ↗	E3	2.7	R	71.2	12.2	4	120.0	854	2
Hefty	H27XF4 ↗	RXF	2.7	R	70.0	14.4	7	119.0	834	3
Stine	28EG29 § ↗	E3	2.8	R	69.7	14.0	9	121.0	832	4
Hefty	H25XF4 ↗	RXF	2.5	R	69.2	13.3	7	120.0	829	5
Stine	27EG22 § ↗	E3	2.7	R	68.4	13.0	9	121.5	821	6
Hefty	H26XF3 ↗	RXF	2.6	R	67.5	14.6	13	120.0	804	8
Pioneer	P22A67E § ↗	E3	2.2	R	67.3	12.8	10	120.0	808	7
Golden Harvest	GH2292E3 § ↗	E3	2.2	MR	66.6	12.4	7	118.5	799	9
Hefty	H28XF3 ↗	RXF	2.8	R	66.2	14.6	10	120.0	788	10
Zinesto	Z2504E ↗	E3	2.5	R	65.7	13.7	7	120.0	786	12
Zinesto	Z2404E ↗	E3	2.4	R	65.6	11.8	7	121.5	787	11
Dyna-Gro	S25EN74 ↗	E3	2.5	R	65.2	12.8	7	121.0	782	13
Genesis	G2480E ↗	E3	2.4	R	65.2	12.8	7	120.0	782	14
Hefty	H22XF4 ↗	RXF	2.2	R	64.9	12.5	7	117.0	779	15
Xitavo	XO 2501E ↗	E3	2.5	R	63.8	14.1	4	119.5	762	17
Xitavo	XO 2323E ↗	E3	2.3	R	63.8	13.1	7	116.5	765	16
Asgrow	AG24XF3 § ↗	RXF	2.4	R	63.3	13.3	13	119.0	757	18
Genesis	G2550E ↗	E3	2.5	R	62.8	13.1	4	121.5	753	19
Genesis	G2570ES ↗	E3,ST	2.5	R	62.8	13.1	13	122.0	753	20
Pioneer	P19A66E § ↗	E3	1.9	NA	62.6	12.9	7	121.5	750	21
Xitavo	XO 2832E ↗	E3	2.8	R	62.5	14.0	7	120.0	746	22
Xitavo	XO 2444E ↗	E3,ST	2.4	R	62.1	11.7	7	118.5	745	23
Xitavo	XO 2613E ↗	E3	2.6	R	61.9	13.5	13	121.5	741	24
Xitavo	XO 2181E ↗	E3	2.1	R	61.8	13.1	4	119.5	741	25
Hefty	H21XF2 ↗	RXF	2.1	NA	61.7	12.9	4	114.5	740	26
Golden Harvest	GH2313XF § ↗	RXF	2.3	R	61.1	13.3	7	116.0	731	27
Hefty	H23XF1 ↗	RXF	2.3	NA	60.6	13.1	9	117.5	727	28
Asgrow	AG25XF3 § ↗	RXF	2.5	R	59.9	13.1	7	122.0	719	29
Hefty	H24XF4 ↗	RXF	2.4	R	59.3	11.5	7	118.0	710	30



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Averages = **63.0** **13.2** **8** **119.7** **755**

LSD (0.10) = 6.1 ns ns

LSD (0.25) = 3.2 ns ns

C.V. = 7.4

Historic yield: 59.72 bu/a, 2 yr(s)

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

Report Date: 10/24/2023

† 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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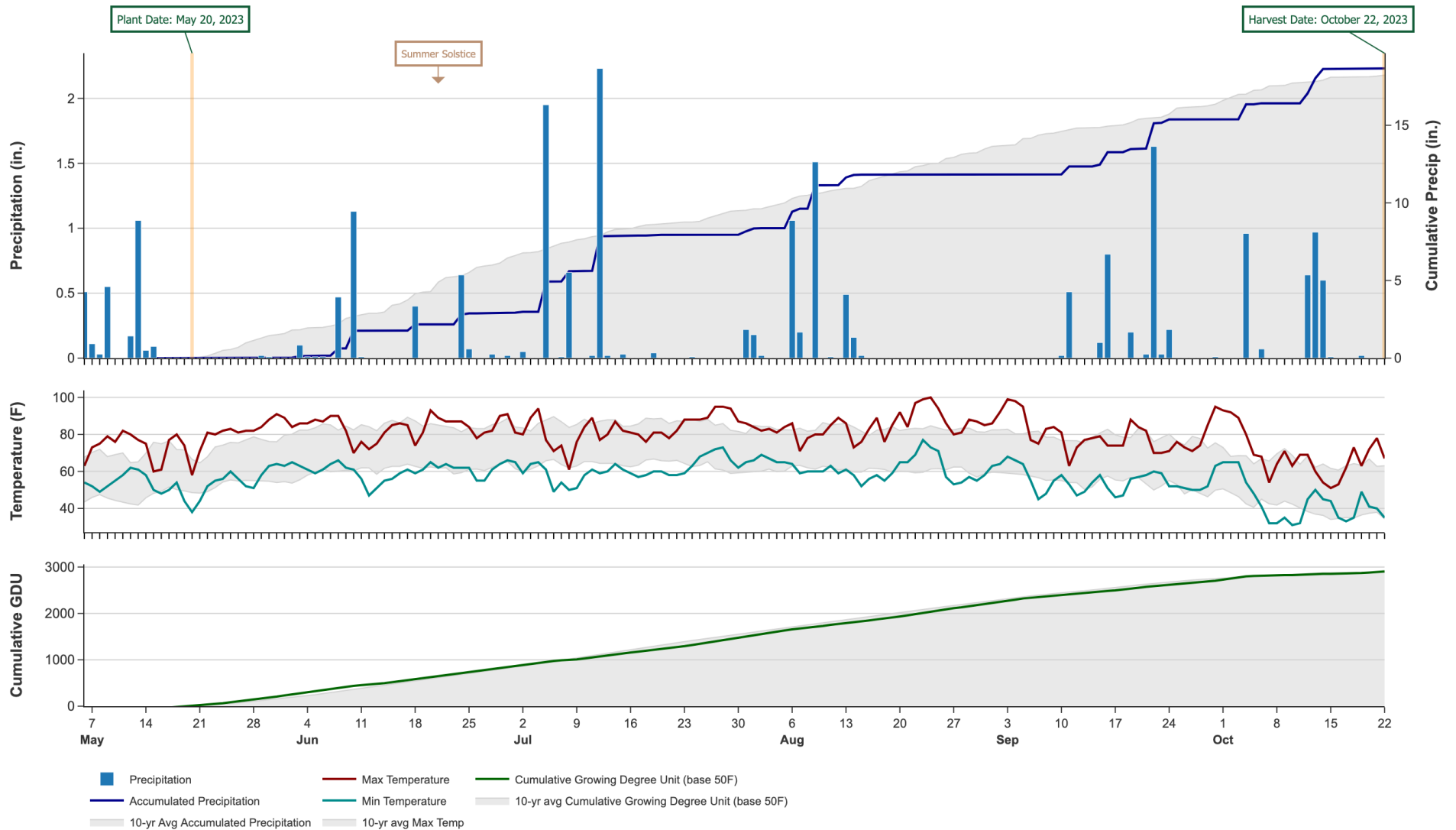
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2023 Soybeans - South Dakota Southeast [SDSE]

Weather Conditions Summary at BURBANK, SD

Weather Data Retrieved: 10/24/2023

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) (Diff)	2.6 3.4 (-0.7)	2.9 4.9 (-2.0)	5.2 3.1 (+2.2)	3.6 4.0 (-0.3)	3.6 2.9 (+0.7)	3.3 1.9 (+1.4)	21.2 20.1 (+1.2)
GDU Avg (Diff)	402 306 (+96)	646 670 (-24)	655 750 (-95)	686 681 (+4)	510 501 (+8)	200 130 (+69)	3099 3040 (+58)



* 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.