

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

2023 Soybeans Top 30 Harvest Report

South Dakota Southeast [SDSE] COLTON, SD
Floyd Snoozy, Minnehaha County, SD 57018

All-Season Test	Maturity Group 2.1 - 2.8 S2023SDSE03
Top 30 of 36	For Gross Income (Sorted by Yield) Average of (2) Replications
PREV. CROP/HERB:	Corn / Sonic, Flexstar, Roundup, Volunteer
SOIL DESCRIPTION:	Moody-Nora Complex silty clay loam, well drained, non-irrigated
SOIL CONDITION:	very high P, medium K, 4.9 pH, 4.4% OM, 24.4 CEC
TILLAGE/CULTIVATION:	Conventional W/ Fall Till
PEST MANAGEMENT:	Roundup, Liberty
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 19 140.0 /A 30" spacing
HARVESTED - STAND:	Oct 10 116.4 /A

TEST COMMENTS:

This plot had excellent emergence this spring. Weed control was perfect, and the plot was clean through harvest. Lower sections of the plot that held more moisture showed yield advantage, and that was visible in the combine with plant height. The field average around the plot was in the mid 50's. 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
Stine	28EG29 § ↗	E3	2.8	R	65.9	9.9	7	119.5	790	1
Hefty	H25XF4 ↗	RXF	2.5	R	64.1	10.4	10	120.0	768	2
Stine	24FD32 § ↗	RXF	2.4	R	63.8	10.3	9	118.5	766	3
Hefty	H27XF4 ↗	RXF	2.7	R	63.6	10.6	9	113.0	763	4
Xitavo	XO 2832E ↗	E3	2.8	R	63.4	9.8	13	118.5	761	5
Genesis	G2570ES ↗	E3,ST	2.5	R	62.8	9.8	7	115.5	754	6
Genesis	G2780E ↗	E3	2.7	R	62.7	10.3	7	117.0	751	7
Asgrow	AG27XF3 § ↗	RXF	2.7	R	62.6	10.9	4	115.5	751	8
Dyna-Gro	S25EN74 ↗	E3	2.5	R	62.3	10.1	7	114.5	746	9
Dyna-Gro	S25XF64 ↗	RXF	2.5	R	62.1	10.4	10	118.5	744	10
Hefty	H24XF4 ↗	RXF	2.4	R	61.8	10.3	10	114.0	742	11
Zinesto	Z2504E ↗	E3	2.5	R	60.7	10.2	7	119.0	728	12
Pioneer	P22A67E § ↗	E3	2.2	R	60.7	10.2	9	114.5	727	13
Asgrow	AG24XF3 § ↗	RXF	2.4	R	60.5	10.4	7	115.5	726	14
Golden Harvest	GH2313XF § ↗	RXF	2.3	R	60.4	9.9	5	118.5	725	15
Xitavo	XO 2501E ↗	E3	2.5	R	60.4	10.2	16	114.0	725	16
Xitavo	XO 2444E ↗	E3,ST	2.4	R	60.1	9.8	10	117.0	721	17
Zinesto	Z2303E ↗	E3	2.3	R	59.8	10.1	7	117.0	718	18
Hefty	H26XF3 ↗	RXF	2.6	R	59.8	10.6	4	116.5	718	19
Genesis	G2480E ↗	E3	2.4	R	58.8	10.5	9	115.5	706	20
Xitavo	XO 2613E ↗	E3	2.6	R	58.6	10.7	7	117.5	703	21
Zinesto	Z2404E ↗	E3	2.4	R	58.3	10.2	13	115.5	698	22
Stine	27EG22 § ↗	E3	2.7	R	58.0	10.4	7	115.5	696	23
Golden Harvest	GH2722XF § ↗	RXF	2.7	MR	57.8	10.2	10	115.5	694	24
Golden Harvest	GH2292E3 § ↗	E3	2.2	MR	57.7	9.8	4	114.5	691	25
Hefty	H22XF4 ↗	RXF	2.2	R	56.6	9.8	5	115.5	678	26
Hefty	H28XF3 ↗	RXF	2.8	R	56.6	10.0	4	114.5	678	27
Genesis	G2550E ↗	E3	2.5	R	56.5	9.5	4	120.0	678	28
Xitavo	XO 2181E ↗	E3	2.1	R	56.4	10.5	7	113.0	677	29
Xitavo	XO 2323E ↗	E3	2.3	R	56.1	10.2	4	117.0	672	30



Mark Tollefson

mark.tollefson@firstseedtests.com, (507) 456-2357

Averages = **59.2** **10.1** **7** **116.4** **711**

LSD (0.10) = 4.8 ns ns

LSD (0.25) = 2.5 ns ns

C.V. = 6.1

Historic yield: 61.91 bu/a, 13 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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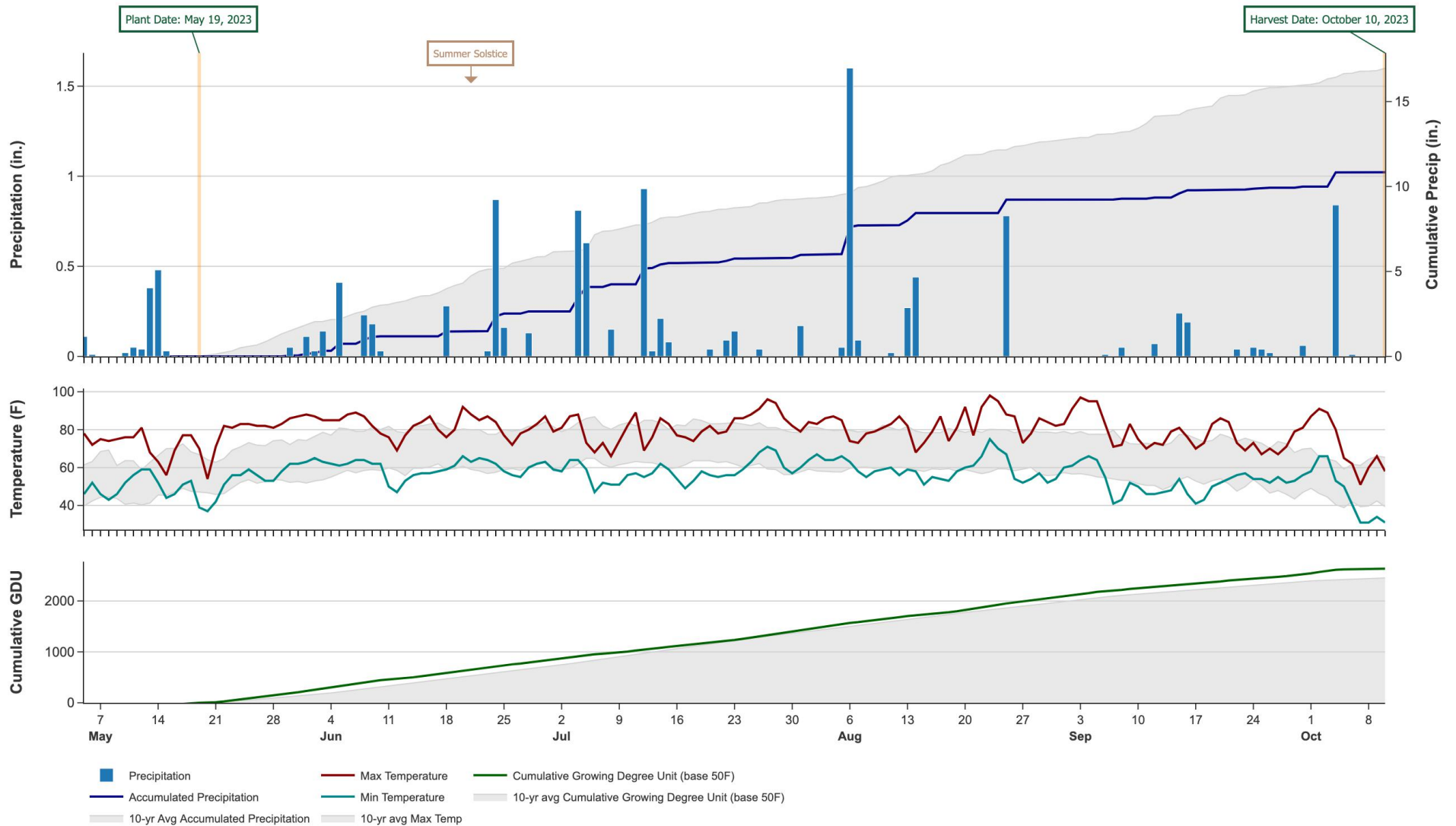
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2023 Soybeans - South Dakota Southeast [SDSE]

Weather Conditions Summary at COLTON, SD

Weather Data Retrieved: 10/14/2023

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) (Diff)	1.2 3.7 (-2.5)	2.6 4.2 (-1.6)	3.3 3.4 (-0.1)	3.2 3.4 (-0.2)	0.8 3.2 (-2.4)	0.8 1.0 (-0.2)	12.0 18.9 (-7.0)
GDU Avg (Diff)	394 246 (+147)	630 575 (+54)	588 675 (-87)	630 593 (+36)	464 407 (+56)	112 66 (+45)	2818 2564 (+253)



* 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.