

Test by: Southern MN FIRST New Richland, MN

2023 Soybeans Top 30 Harvest Report

Minnesota South Central [MNSC] NERSTRAND, MN
 Wheeling Grain Partnership, Keith, Kurt and Brian Schrader,
 Rice County, MN 55053

All-Season Test	Maturity Group 1.5 - 2.2 S2023MNSC05
Top 30 of 45	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Surestart II, Laudis, Atrazine
SOIL DESCRIPTION:	Kenyon silt loam, well drained, non-irrigated
SOIL CONDITION:	low P, very high K, 5.8 pH, 4.0% OM, 16.2 CEC
TILLAGE/CULTIVATION:	Conventional W/ Fall Till
PEST MANAGEMENT:	Approach Prima At R5
Applied N-P-K (units):	0-0-150
SEEDED - RATE - ROW:	May 22 130.0 /A 30" spacing
HARVESTED - STAND:	Oct 23 114.1 /A

TEST COMMENTS:

Good moisture was present at planting time. Then 4.5 inches of rain fell within 7 days of planting. That was 30% of the total during the growing season. but enough rain came at the right time for good yield potential. Hail hit this site on July 24th, stripping 40% of foliage. Some varieties recovered better than others. Plants were very short at harvest. With 4 days of rain on the way, I chose to harvest these beans at a higher moisture.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Pioneer	P19A37E § ↗	E3	1.9	NA	50.5	13.7	0	116.0	643	1
Dairyland	DSR-1919E ↗	E3	1.9	R	50.1	13.6	0	114.3	638	2
Stine	20EG02 § ↗	E3	2.0	R	50.0	13.4	0	112.7	637	3
Hefty	H18E3 ↗	E3	1.8	R	49.2	13.1	0	115.0	627	4
Golden Harvest	GH2292E3 GC ↗	E3	2.2	MR	48.7	13.5	0	111.3	620	5
Zinesto	Z2002E ↗	E3	2.0	NA	48.4	13.6	0	115.7	617	6
Titan Pro	TP 18E22 ↗	E3	1.8	R	48.0	13.7	0	113.3	611	7
Zinesto	Z1802E ↗	E3	1.8	NA	47.6	13.0	0	112.0	607	8
Golden Harvest	GH2004XF § ↗	RXF	2.0	MR	45.9	13.9	0	114.0	584	9
Loyal	L2150E GC ↗	E3	2.1	NA	45.9	14.3	0	114.7	584	10
Xitavo	XO 2282E ↗	E3	2.2	R	45.6	13.6	0	114.7	581	11
Asgrow	AG19XF3 § ↗	RXF	1.9	R	45.6	14.1	0	112.7	580	12
Loyal	L1460E GC ↗	E3	1.4	NA	45.4	13.6	0	114.7	578	13
Dairyland	DSR-1788E ↗	E3	1.7	R	43.3	14.4	0	112.3	551	14
Stine	19EG92 § ↗	E3	1.9	R	43.1	14.0	0	115.7	549	15
Pioneer	P18A73E § ↗	E3	1.8	NA	42.5	13.6	0	112.5	541	16
Zinesto	Z2202E ↗	E3	2.2	NA	42.0	13.6	0	113.3	535	17
Genesis	G1760E ↗	E3	1.7	R	41.8	13.4	0	114.7	533	18
Xitavo	XO 1822E ↗	E3	1.8	R	41.4	14.4	0	114.0	527	19
Golden Harvest	GH1802E3 § ↗	E3	1.8	R	41.3	13.6	0	115.7	526	20
Golden Harvest	GH1614E3 § ↗	E3	1.6	R	41.0	13.9	0	114.3	522	21
Dairyland	DSR-2188E ↗	E3	2.1	R	41.0	14.1	0	112.7	522	22
Dyna-Gro	S19XF62 ↗	RXF	1.9	R	40.6	15.0	0	115.3	516	23
Anderson	A1923XF ↗	RXF	1.9	MR	40.5	13.8	0	113.7	516	24
Xitavo	XO 2181E ↗	E3	2.1	R	40.2	13.6	0	113.7	512	25
Asgrow	AG18XF1 § ↗	RXF	1.8	R	40.0	13.7	0	115.3	509	26
Genesis	G2180E ↗	E3	2.1	R	39.7	13.6	0	114.7	506	27
Stine	14EG32 § ↗	E3	1.4	R	39.7	13.9	0	114.7	505	28
Xitavo	XO 1404E ↗	E3	1.4	R	39.5	14.1	0	113.3	503	29
Dyna-Gro	S16EN42 ↗	E3	1.6	R	39.1	13.8	0	114.3	498	30



Mark Querna

mark.querna@firstseedtests.com, (507) 380-9920

Averages = **41.0** **13.8** **114.1** **523**

LSD (0.10) = 4.2 ns ns

LSD (0.25) = 2.2 ns ns

C.V. = 9.8

Historic yield: 67.22 bu/a, 6 yr(s)

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.0 Drying = \$0.02 Prices: GMO = \$12.75; non-GMO = \$15.25

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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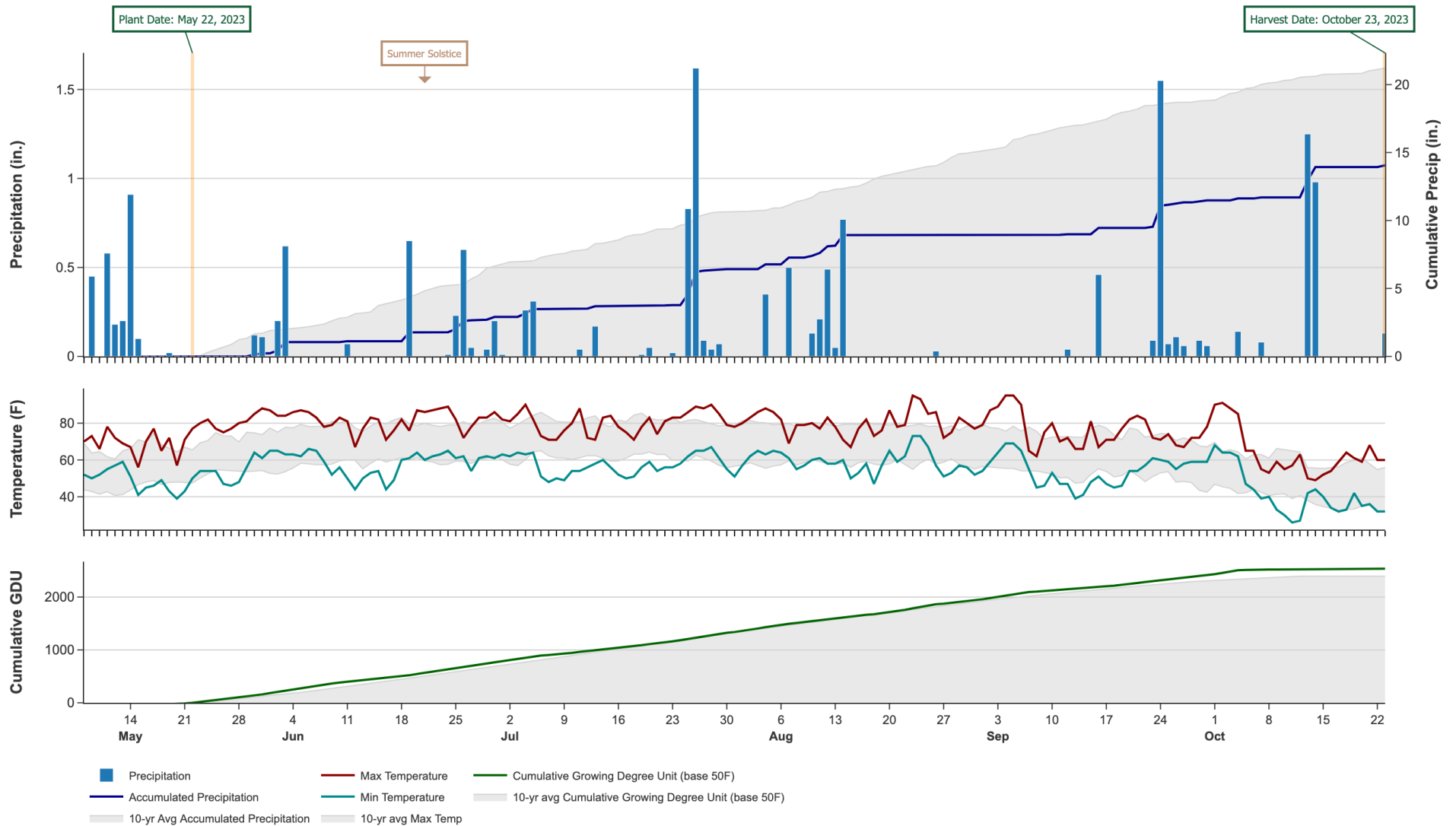
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2023 Soybeans - Minnesota South Central [MNSC]

Weather Conditions Summary at NERSTRAND, MN

Weather Data Retrieved: 10/24/2023

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) (Diff)	2.7 4.5 (-1.8)	2.7 5.0 (-2.3)	3.5 4.0 (-0.5)	2.5 4.4 (-1.9)	2.5 3.8 (-1.2)	2.6 2.4 (+0.2)	16.5 24.0 (-7.5)
GDU Avg (Diff)	310 241 (+68)	606 563 (+42)	574 652 (-78)	603 575 (+27)	464 399 (+64)	130 86 (+43)	2687 2518 (+168)



* 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 (45 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Anderson	A182E3	E3	MR	1.8	Untreated
Anderson	A1923XF	RXF	MR	1.9	Untreated
Asgrow	AG16XF3 §	RXF	R	1.6	ACi,IL
Asgrow	AG18XF1 §	RXF	R	1.8	ACi,IL
Asgrow	AG19XF3 §	RXF	R	1.9	ACi,IL
Dairyland	DSR-1505E	E3	R	1.5	Lum,Lu,IL
Dairyland	DSR-1788E	E3	R	1.7	Lum,Lu,IL
Dairyland	DSR-1919E	E3	R	1.9	Lum,Lu,IL
Dairyland	DSR-2188E	E3	R	2.1	Lum,Lu,IL
Dyna-Gro	S16EN42	E3	R	1.6	EQV,Sa,Va
Dyna-Gro	S19XF62	RXF	R	1.9	EQV,Sa,Va
Dyna-Gro	S20EN84	E3	R	2.0	EQV,Sa,Va
Genesis	G1760E	E3	R	1.7	EcQ,NF,NH,SA
Genesis	G2180E	E3	R	2.1	EcQ,NF,NH,SA
Golden Harvest	GH1614E3 §	E3	R	1.6	CMB-APX,SA
Golden Harvest	GH1802E3 §	E3	R	1.8	CMB-APX,SA
Golden Harvest	GH2004XF §	RXF	MR	2.0	CMB-APX,SA
Golden Harvest	GH2292E3 GC	E3	MR	2.2	CMB-APX,SA
Hefty	H16E4	E3	R	1.6	DST5
Hefty	H18E3	E3	R	1.8	DST5
Hefty	H20E3	E3	R	2.0	DST5
Loyal	L1460E GC	E3	NA	1.4	EcQ,NF,NH
Loyal	L2150E GC	E3	NA	2.1	EcQ,NF,NH
Pioneer	P18A73E §	E3	NA	1.8	Lum, LumT, IL
Pioneer	P19A37E §	E3	NA	1.9	Lum
Pioneer	P19A66E §	E3	NA	1.9	Lum, LumT, IL
Stine	14EG32 §	E3	R	1.4	ACi
Stine	19EG92 §	E3	R	1.9	ACi
Stine	20EG02 §	E3	R	2.0	ACi
Stine	21EG32 GC	E3	R	2.1	ACi
Titan Pro	TP 18E22	E3	R	1.8	SA,A,R,TU
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
Xitavo	XO 1822E	E3	R	1.8	PV,IL,OB,Rey
Xitavo	XO 1971E	E3	R	1.9	PV,IL,OB,Rey
Xitavo	XO 2181E	E3	R	2.1	PV,IL,OB,Rey
Xitavo	XO 2282E	E3	R	2.2	PV,IL,OB,Rey
Zinesto	Z1502E	E3	NA	1.5	DST5
Zinesto	Z1603E	E3	R	1.6	DST5
Zinesto	Z1802E	E3	NA	1.8	DST5
Zinesto	Z1902E	E3	NA	1.9	DST5

Company/Brand	Brand/Product	Technology	SCN	RM	Seed Treat.
Zinesto	Z2002E	E3	NA	2.0	DST5
Zinesto	Z2101E	E3	R	2.1	DST5
Zinesto	Z2202E	E3	NA	2.2	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®

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	Eclipse US Total Quad-R, N-Force, N-Hibit
EcQ,NF,NH,SA	Eclipse US Total Quad-R, N-Force, N-Hibit, Saltro
EQV,Sa,Va	Equity VIP, Saltro®, Vayantis®
Lum	LumiGEN™
Lum,Lu,IL	LumiGEN™, Lumisena™, ILeVO
Lum, LumT, IL	LumiGEN™, LumiTreo, ILeVO
PV,IL,OB,Rey	Poncho®/Votivo®, ILeVO, Obvius Plus, Relenya®
SA,A,R,TU	Saltro, AllegianceFL, Redigo480, TriUp
Untreated	No seed treatment

* Seed treatments may include unspecified plant health promoting components.