

Test by: NewVenture, LLC Ellendale, MN

## 2023 Soybeans Top 30 Harvest Report

Minnesota North Central [MNNC] STARBUCK, MN  
Matt Moe, Pope County, MN 56381

<b>Early-Season Test</b>	Maturity Group <b>0.6 - 1.0</b> S2023MNNC02a
<b>Top 26 of 26</b>	For Gross Income (Sorted by Yield) Average of (3) Replications
<b>PREV. CROP/HERB:</b>	Corn / Harnessmax, Roundup Powermax, Atrazine
<b>SOIL DESCRIPTION:</b>	Hokans-Buse Complex loam, well drained, non-irrigated
<b>SOIL CONDITION:</b>	very high P, high K, 8.0 pH, 2.9% OM, 20.7 CEC
<b>TILLAGE/CULTIVATION:</b>	Conventional W/ Fall Till
<b>PEST MANAGEMENT:</b>	Liberty, Class Act Next Generation, Fusilade Dx, Strikelock, Ams
<b>Applied N-P-K (units):</b>	0-0-0
<b>SEEDED - RATE - ROW:</b>	May 20 140.0 /A 30" spacing
<b>HARVESTED - STAND:</b>	Nov 2 125.8 /A

### TEST COMMENTS:

*This location is about a half mile from the corn location. Matt noted that this bean field did not receive nearly as much rain as the corn site. This plot is located on a slight slope and I have had a plot here many times with much higher yields. The beans did shell easily despite the high moisture. We want to thank Matt for hosting the plots for the past years. Because of high yield variation in the full-season test, results were rejected.*

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Zinesto	Z1004E ↗	E3	1.0	R	<b>48.1</b>	16.1	0	126.0	625	1
Zinesto	Z0804E ↗	E3	0.8	R	<b>43.9</b>	16.1	0	126.0	571	2
Dak-Sota	DE5107 ↗	E3	0.7	R	<b>43.1</b>	16.3	0	126.0	560	3
Zinesto	Z0903E ↗	E3	0.9	R	<b>42.5</b>	16.3	0	126.0	552	4
Dak-Sota	DE5309 ↗	E3	0.9	R	<b>41.4</b>	15.9	0	126.0	538	5
Xitavo	XO 0731E ↗	E3	0.7	R	40.8	15.6	0	126.0	530	6
Golden Harvest	GH0734E3 § ↗	E3	0.7	MR	40.1	15.9	0	126.0	521	7
Pioneer	P08A44E § ↗	E3	0.8	NA	40.1	16.0	0	126.0	520	8
Xitavo	XO 0993E ↗	E3	0.9	R	39.2	15.6	0	126.0	510	9
Thunder	TX8307N ↗	RXF	0.7	R	38.3	15.9	0	126.0	498	10
Stine	06EG29 § ↗	E3	0.6	R	37.0	15.6	0	126.0	481	11
Zinesto	Z0701E ↗	E3	0.7	R	36.9	16.1	0	126.0	480	12
Dak-Sota	DE5110 ↗	E3	1.0	R	36.4	15.7	0	126.0	473	13
Thunder	TE7309N ↗	E3	0.9	R	35.7	16.0	0	126.0	464	14
Asgrow	AG06XF3 § ↗	RXF	0.6	R	35.5	16.0	0	126.0	462	15
Dairyland	DSR-0660E ↗	E3	0.6	R	35.3	15.8	0	126.0	459	16
Xitavo	XO 0602E ↗	E3	0.6	R	35.1	15.4	0	126.0	456	17
Pioneer	P04T02E § ↗	E3	0.4	NA	34.0	16.0	0	126.0	442	18
Thunder	TX8309N ↗	RXF	0.9	R	33.8	16.1	0	126.0	439	19
Dairyland	DSR-0920E ↗	E3	0.9	R	32.5	15.8	0	126.0	422	20
Thunder	TE7407N ↗	E3	0.7	R	31.5	15.8	0	126.0	410	21
Stine	08EG62 § ↗	E3	0.8	R	30.6	15.7	0	126.0	398	23
Golden Harvest	GH0933E3 § ↗	E3	0.9	R	30.6	16.1	0	123.7	398	24
Dairyland	DSR-0757E ↗	E3	0.7	S	25.7	15.8	0	126.0	334	25
Asgrow	AG09XF3 § ↗	RXF	0.9	R	25.1	15.7	0	123.7	326	26
<b>PIONEER</b>	<b>P06A85E CK</b>	<b>E3</b>	<b>0.6</b>	<b>MR</b>	<b>31.0</b>	<b>15.9</b>	<b>0</b>	<b>126.0</b>	<b>403</b>	<b>22</b>
					<b>Averages =</b>	<b>36.2</b>	<b>15.9</b>		<b>125.8</b>	<b>472</b>
					LSD (0.10) =	4.9	ns	ns		
					LSD (0.25) =	2.6	ns	ns		
					C.V. =	12.7				
Ed Dahle					Historic yield: 45.2 bu/a, 8 yr(s)					
ed.dahle@firstseedtests.com, (507) 456-6624										

**Yield & Income Factors:** Base Moisture = 13.0% Shrink = 1.0 Drying = \$0.00 Prices: GMO = \$13.00

Report Date: 11/03/2023

† 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](http://www.firstseedtests.com)

Additional reports available at [www.firstseedtests.com](http://www.firstseedtests.com)

©2023, All rights reserved to Farmers' Independent Research of Seed Technologies, LLC.

Test by: NewVenture, LLC Ellendale, MN

## 2023 Soybeans Top 30 Harvest Report

Minnesota North Central [MNNC] STARBUCK, MN  
Matt Moe, Pope County, MN 56381

<b>Full-Season Test</b>	Maturity Group 1.1 - 1.5 S2023MNNC02b
<b>Top 29 of 29</b>	For Gross Income (Sorted by Yield) Average of (3) Replications
<b>PREV. CROP/HERB:</b>	Corn / Harnessmax, Roundup Powermax, Atrazine
<b>SOIL DESCRIPTION:</b>	Hokans-Buse Complex loam, well drained, non-irrigated
<b>SOIL CONDITION:</b>	very high P, high K, 8.0 pH, 2.9% OM, 20.7 CEC
<b>TILLAGE/CULTIVATION:</b>	Conventional W/ Fall Till
<b>PEST MANAGEMENT:</b>	Liberty, Class Act Next Generation, Fusilade Dx, Strikelock, Ams
<b>Applied N-P-K (units):</b>	0-0-0
<b>SEEDED - RATE - ROW:</b>	May 20 140.0 /A 30" spacing
<b>HARVESTED - STAND:</b>	Nov 2 126.0 /A

### TEST COMMENTS:

*This location is about a half mile from the corn location. Matt noted that this bean field did not receive nearly as much rain as the corn site. This plot is located on a slight slope and I have had a plot here many times with much higher yields. The beans did shell easily despite the high moisture. We want to thank Matt for hosting the plots for the past years. Because of high yield variation in the full-season test, results were rejected.*

Company/Brand	Product/Brand	Seeds / Row	GR	SCN Resist.	Yield Bu/A	Moisture %	Logging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Zeevis	Z1204E +	83	1.2	R	44.0	16.2	0	126.0	572	1
Power	P1274E g +	83	1.3	NA	43.2	15.5	0	126.0	560	2
Dak-Gen	DG3412 +	83	1.2	R	42.9	15.9	0	126.0	558	3
Golden Harvest	GH1244F g +	84F	1.1	NA	41.9	16.2	0	126.0	545	4
Zeevis	Z1205E +	83	1.2	NA	37.1	16.4	0	126.0	524	5
Max	M1272E g +	83	1.0	R	36.9	16.0	0	126.0	520	6
Max	M1264E +	83	1.4	R	36.9	16.1	0	126.0	520	7
Agria	AG1244F g +	84F	1.2	R	36.9	15.7	0	126.0	520	8
Thunder	T4201E +	84F	1.2	R	36.7	16.0	0	126.0	516	9
Dynalene	DN1200E +	83,87	1.2	R	36.7	16.0	0	126.0	516	10
Max	M1212E +	83	1.2	R	36.7	16.2	0	126.0	508	11
Golden Harvest	GH1244E g +	83	1.1	NA	36.6	16.7	0	126.0	502	12
Zeevis	Z1202E +	83	1.0	NA	36.6	16.1	0	126.0	497	13
Dynalene	DN1200E +	83	1.2	R	37.9	15.9	0	126.0	493	14
Thunder	T4201E +	83	1.2	R	37.8	15.8	0	126.0	491	15
Dak-Gen	DG3414 +	83	1.2	R	37.6	16.0	0	126.0	489	16
Thunder	T4201E +	83	1.2	R	37.6	16.4	0	126.0	489	17
Cherokee	CH2244F g +	83	1.0	NA	37.4	16.4	0	126.0	488	18
Thunder	T4201E +	83	1.0	R	37.2	15.9	0	126.0	486	19
Agria	AG1244F g +	84F	1.2	R	37.0	15.7	0	126.0	481	20
Dynalene	DN1200E +	83,87	1.4	R	36.7	16.0	0	126.0	477	21
Dak-Gen	DG3414 +	83	1.0	R	36.7	16.7	0	126.0	477	22
Max	M1232E +	83	1.1	R	36.9	16.3	0	126.0	467	23
Max	M1232E g +	83	1.4	R	36.9	15.9	0	126.0	467	24
Genesee	G1200E +	83	1.0	R	34.2	16.3	0	126.0	445	25
Max	M1272E +	83,87	1.3	R	33.0	16.2	0	126.0	429	26
Dynalene	DN1200E +	83	1.2	R	31.9	15.5	0	126.0	415	27
Dynalene	DN1200E +	84F	1.4	NA	31.9	16.0	0	126.0	415	28

REJECTED

Averages = **37.9** 16.0 126.0 492

LSD (0.10) = ns ns ns

LSD (0.25) = ns ns ns

C.V. = 18.8

Historic yield: 45.2 bu/a, 8 yr(s)

Ed Dahle

ed.dahle@firstseedtests.com, (507) 456-6624

### Yield & Income Factors:

Base Moisture = 13.0%

Shrink = 1.0

Drying = \$0.00

Prices: GMO = \$13.00

Report Date: 11/03/2023

Additional reports available at [www.firstseedtests.com](http://www.firstseedtests.com)

† 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](http://www.firstseedtests.com)

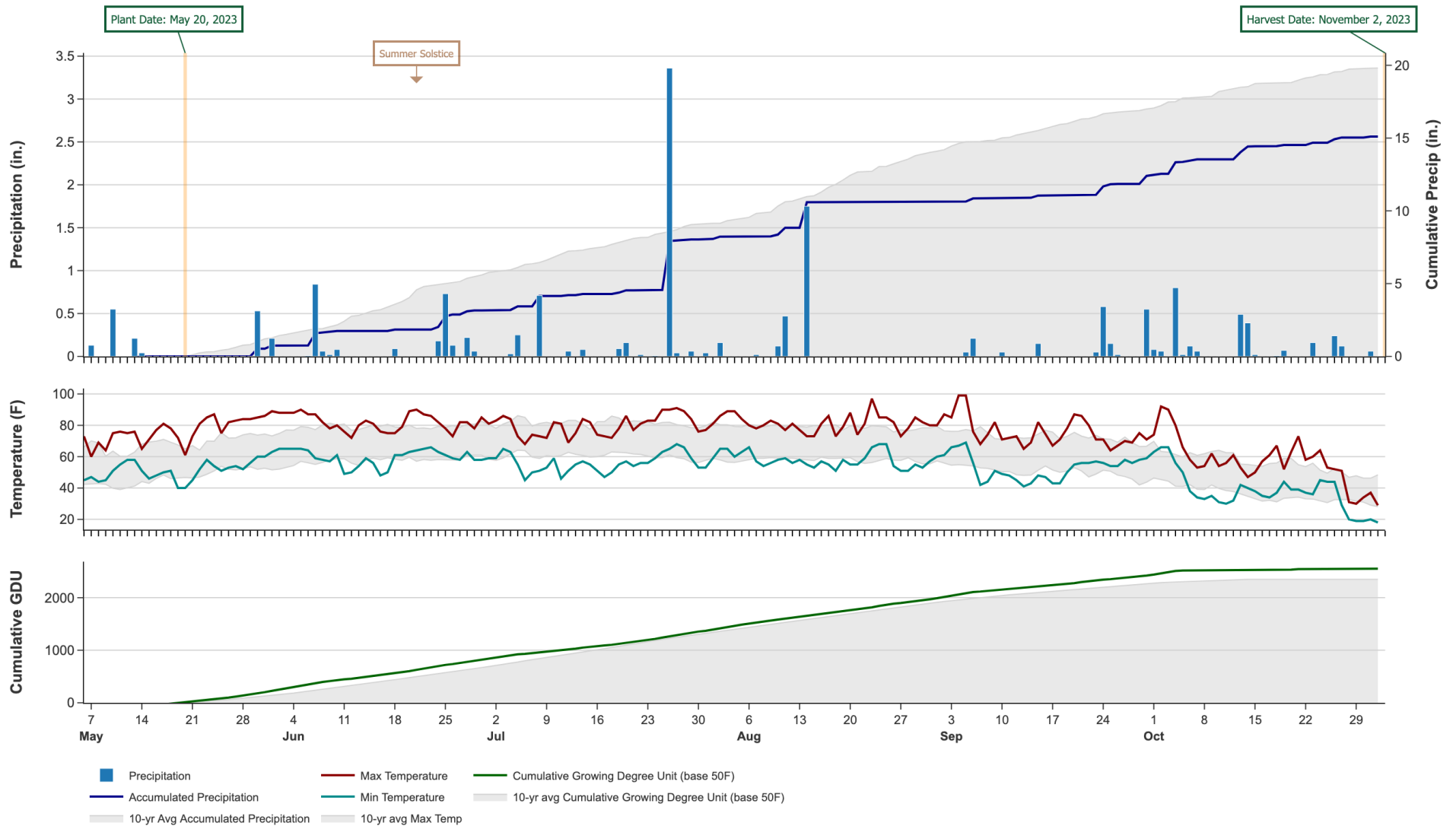
©2023, All rights reserved to Farmers' Independent Research of Seed Technologies, LLC.

# 2023 Soybeans - Minnesota North Central [ MNNC ]

## Weather Conditions Summary at STARBUCK, MN

Weather Data Retrieved: 11/03/2023

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct	Nov*	Total
Precip (in)   (Diff)	1.5   3.4 (-1.9)	2.6   4.4 (-1.8)	4.9   3.5 (+1.4)	2.5   4.9 (-2.4)	1.8   3.0 (-1.2)	2.7   2.8 (-0.1)	0.0   0.0 (0.0)	16.0   22.0 (-5.9)
GDU   Avg (Diff)	376   244 (+131)	617   542 (+74)	551   649 (-98)	600   575 (+24)	452   376 (+75)	130   77 (+52)	0   0 (0)	2726   2464 (+261)



\* 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 - Minnesota North Central [ MNNC ]

### Early-Season Test Products (26 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Asgrow	AG06XF3 §	RXF	R	0.6	ACi,IL
Asgrow	AG09XF3 §	RXF	R	0.9	ACi,IL
Dairyland	DSR-0660E	E3	R	0.6	Lum, LumT, IL
Dairyland	DSR-0757E	E3	S	0.7	Lum,Lu,IL
Dairyland	DSR-0920E	E3	R	0.9	Lum,Lu,IL
Dak-Sota	DE5107	E3	R	0.7	TFI
Dak-Sota	DE5110	E3	R	1.0	TFI
Dak-Sota	DE5309	E3	R	0.9	TFI
Golden Harvest	GH0734E3 §	E3	MR	0.7	CMB-APX,SA
Golden Harvest	GH0933E3 §	E3	R	0.9	CMB-APX,SA
Pioneer	P04T02E §	E3	NA	0.4	Untreated
Pioneer	P06A85E CK	E3	MR	0.6	Lum,IL
Pioneer	P08A44E §	E3	NA	0.8	Untreated
Stine	06EG29 §	E3	R	0.6	ACi
Stine	08EG62 §	E3	R	0.8	ACi
Thunder	TE7309N	E3	R	0.9	TFI
Thunder	TE7407N	E3	R	0.7	TFI
Thunder	TX8307N	RXF	R	0.7	TFI
Thunder	TX8309N	RXF	R	0.9	TFI
Xitavo	XO 0602E	E3	R	0.6	PV,IL,OB,Rey
Xitavo	XO 0731E	E3	R	0.7	PV,IL,OB,Rey
Xitavo	XO 0993E	E3	R	0.9	PV,IL,OB,Rey
Zinesto	Z0701E	E3	R	0.7	DST5
Zinesto	Z0804E	E3	R	0.8	DST5
Zinesto	Z0903E	E3	R	0.9	DST5
Zinesto	Z1004E	E3	R	1.0	DST5

## 2023 Soybeans - Minnesota North Central [ MNNC ]

### Full-Season Test Products (29 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Asgrow	AG12XF3 §	RXF	R	1.2	ACi,IL
Asgrow	AG15XF2 §	RXF	R	1.5	ACi,IL
Channel	1022RXF GC	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
Dak-Sota	DE5215	E3	R	1.5	TFI
Dak-Sota	DE5412	E3	R	1.2	TFI
Dak-Sota	DE5414	E3	R	1.4	TFI
Dyna-Gro	S12EN72	E3	R	1.2	EQV,Sa,Va
Dyna-Gro	S14XF43	RXF	MR	1.4	EQV,Sa,Va
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
Pioneer	P06A85E CK	E3	MR	0.6	Lum,IL
Pioneer	P13T47E §	E3	NA	1.3	Lum, LumT, IL
Stine	10EF23 §	E3	R	1.0	NA
Stine	14EG32 §	E3	R	1.4	ACi
Thunder	TE7415N	E3	R	1.5	TFI
Thunder	TX8215N	RXF	R	1.5	TFI
Thunder	TX8313N	RXF	R	1.3	TFI
Thunder	TX8414N	RXF	R	1.4	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
Xitavo	XO 1404E	E3	R	1.4	PV,IL,OB,Rey
Zinesto	Z1202E	E3	NA	1.2	DST5
Zinesto	Z1204E	E3	R	1.2	DST5
Zinesto	Z1502E	E3	NA	1.5	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
EQV,Sa,Va	Equity VIP, Saltro®, Vayantis®
Lum,IL	LumiGEN™ plus ILeVO
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.