

Test by: NewVenture, LLC Ellendale, MN

## 2023 Soybeans Top 30 Harvest Report

Minnesota North Central [MNNC] WENDELL, MN  
Chad Biss, Grant County, MN 56531

**Early-Season Test** Maturity Group **0.6 - 1.0**  
S2023MNNC03a

**Top 26 of 26** For Gross Income  
(Sorted by Yield)  
Average of (3) Replications

**PREV. CROP/HERB:** Corn / NA  
**SOIL DESCRIPTION:** Flom-Hamerly Complex silty clay loam, mod. poorly drained, non-irrigated  
**SOIL CONDITION:** very low P, high K, 8.1 pH, 5.4% OM, 32.7 CEC  
**TILLAGE/CULTIVATION:** Conventional W/ Fall Till  
**PEST MANAGEMENT:** Liberty, Selectmax  
**Applied N-P-K (units):** 0-0-0  
**SEEDED - RATE - ROW:** May 27 140.0 /A 30" spacing  
**HARVESTED - STAND:** Nov 15 125.2 /A

### TEST COMMENTS:

Conditions at planting were very dry. Rain was at a premium at this site for the growing season. We have planted in this exact location multiple times in the past and have had better results. The beans were standing very well and the weed control was excellent. We want to thank Chad for hosting a plot again this year. The early-season test was rejected due to high yield variability.

Company/Brand	Product/Brand	Yield (bu)	Moisture (%)	Shrink (%)	Yield (bu)	Moisture (%)	Shrink (%)	Yield (bu)	Gross Income (\$/bu)	Rank
Ed Dahle	DE3000 +	33	12.8	0	45.3	12.8	0	125.2	388	1
Zeebe	Z1000 +	33	12.8	0	44.4	12.8	0	125.2	377	2
Man	NO 3000 +	33	12.8	0	41.2	12.8	0	125.2	323	3
Zeebe	Z1000 +	33	12.8	0	38.9	12.8	0	125.2	319	4
Thurley	T10000 +	30P	12.8	0	35.3	12.8	0	125.2	311	5
Zeebe	Z1000 +	33	12.9	1	35.0	12.9	1	125.2	303	6
Thurley	T10000 +	30P	12.8	0	34.8	12.8	0	125.2	302	7
Zeebe	Z1000 +	33	12.8	0	34.8	12.8	0	125.2	302	8
Groen Harvest	GROENHARVEST +	33	12.8	0	33.8	12.8	0	125.2	302	9
Thurley	T10000 +	33	12.8	0	33.1	12.8	0	125.2	298	10
Man	NO 3000 +	33	12.8	0	32.8	12.8	0	125.2	298	11
Groen Harvest	GROENHARVEST +	33	12.8	0	31.3	12.8	0	125.2	297	12
Phaner	PHANER +	33	12.8	0	30.8	12.8	0	125.2	293	13
Ed Dahle	DE3000 +	33	12.8	0	30.8	12.8	0	125.2	288	14
Man	NO 3000 +	33	12.8	0	30.1	12.8	0	125.2	281	15
Dorland	DORLAND +	33	12.8	0	29.9	12.8	0	125.2	280	16
Ed Dahle	DE3000 +	33	12.7	0	29.2	12.7	0	125.2	280	18
Agrow	AGROW +	33	13.0	1	28.7	13.0	1	125.2	273	19
Dorland	DORLAND +	33	12.7	0	28.2	12.7	0	125.2	267	20
Dorland	DORLAND +	33	13.0	0	28.1	13.0	0	125.2	265	21
Man	NO 3000 +	33	13.0	0	27.8	13.0	0	125.2	261	22
Man	NO 3000 +	33	12.8	0	26.5	12.8	0	125.2	244	23
Agrow	AGROW +	30P	13.0	0	25.1	13.0	0	125.2	200	24
Phaner	PHANER +	33	12.8	0	22.0	12.8	0	125.2	200	25
Thurley	T10000 +	33	12.8	0	21.1	12.8	0	125.2	214	26

REJECTED

Averages = **32.0** **12.9** **0** **125.2** **414**

LSD (0.10) = ns ns ns

LSD (0.25) = ns ns ns

C.V. = 28.6

Historic yield: 45.02 bu/a, 6 yr(s)

Ed Dahle

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

**Yield & Income Factors:** Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.00 Prices: GMO = \$13.00

Report Date: 11/16/2023

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)

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## 2023 Soybeans Top 30 Harvest Report

Minnesota North Central [MNNC] WENDELL, MN  
Chad Biss, Grant County, MN 56531

<b>Full-Season Test</b>	Maturity Group 1.1 - 1.5 S2023MNNC03b
<b>Top 29 of 29</b>	For Gross Income (Sorted by Yield) Average of (3) Replications
<b>PREV. CROP/HERB:</b>	Corn / NA
<b>SOIL DESCRIPTION:</b>	Flom-Hamerly Complex silty clay loam, mod. poorly drained, non-irrigated
<b>SOIL CONDITION:</b>	very low P, high K, 8.1 pH, 5.4% OM, 32.7 CEC
<b>TILLAGE/CULTIVATION:</b>	Conventional W/ Fall Till
<b>PEST MANAGEMENT:</b>	Liberty, Selectmax
<b>Applied N-P-K (units):</b>	0-0-0
<b>SEEDED - RATE - ROW:</b>	May 27 140.0 /A 30" spacing
<b>HARVESTED - STAND:</b>	Nov 15 126.0 /A

### TEST COMMENTS:

Conditions at planting were very dry. Rain was at a premium at this site for the growing season. We have planted in this exact location multiple times in the past and have had better results. The beans were standing very well and the weed control was excellent. We want to thank Chad for hosting a plot again this year. The early-season test was rejected due to high yield variability.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Zinesto	Z1204E ↗	E3	1.2	R	<b>49.1</b>	12.8	0	126.0	638	1
Golden Harvest	GH1124XF § ↗	RXF	1.1	MR	<b>48.7</b>	13.1	0	126.0	633	2
Dairyland	DSR-1290E ↗	E3,ST	1.2	R	<b>48.4</b>	12.8	0	126.0	629	3
Asgrow	AG12XF3 § ↗	RXF	1.2	R	46.6	12.7	0	126.0	606	4
Golden Harvest	GH1194E3 § ↗	E3	1.1	MR	46.5	13.0	0	126.0	604	5
Pioneer	P13T47E § ↗	E3	1.3	NA	46.2	12.8	0	126.0	601	6
Channel	1022RFX GC ↗	RXF	1.0	NA	43.0	12.7	0	126.0	559	7
Dak-Sota	DE5412 ↗	E3	1.2	R	42.8	12.9	0	126.0	556	8
Stine	10EF23 § ↗	E3	1.0	R	42.2	12.7	0	126.0	549	9
Xitavo	XO 1404E ↗	E3	1.4	R	41.9	12.9	0	126.0	545	10
Dyna-Gro	S14XF43 ↗	RXF	1.4	MR	41.8	12.7	0	126.0	543	11
Thunder	TE7415N ↗	E3	1.5	R	41.3	13.0	0	126.0	537	12
Xitavo	XO 1133E ↗	E3	1.1	R	40.7	12.9	0	126.0	529	14
Dak-Sota	DE5215 ↗	E3	1.5	R	40.6	13.1	0	126.0	528	15
Dairyland	DSR-1505E ↗	E3	1.5	R	40.5	13.1	0	126.0	526	16
Asgrow	AG15XF2 § ↗	RXF	1.5	R	40.4	12.7	0	126.0	525	17
Xitavo	XO 1372E ↗	E3,ST	1.3	R	39.5	12.8	0	126.0	514	18
Thunder	TX8414N ↗	RXF	1.4	R	39.5	12.9	0	126.0	514	19
Zinesto	Z1502E ↗	E3	1.5	NA	38.8	13.1	2	126.0	504	20
Zinesto	Z1202E ↗	E3	1.2	NA	38.4	13.0	0	126.0	499	21
Genesis	G1560E ↗	E3	1.5	R	38.1	13.2	0	126.0	495	22
Stine	14EG32 § ↗	E3	1.4	R	37.9	12.8	0	126.0	493	23
Thunder	TX8313N ↗	RXF	1.3	R	37.0	12.8	0	126.0	481	24
Dairyland	DSR-1450E ↗	E3,ST	1.4	R	36.9	12.8	0	126.0	480	25
Xitavo	XO 1212E ↗	E3	1.2	R	36.7	13.0	0	126.0	477	26
Dyna-Gro	S12EN72 ↗	E3	1.2	R	35.9	12.9	0	126.0	467	27
Thunder	TX8215N ↗	RXF	1.5	R	33.8	13.0	0	126.0	439	28
Dak-Sota	DE5414 ↗	E3	1.4	R	29.3	12.9	1	126.0	381	29
<b>PIONEER</b>	<b>P06A85E CK</b>	<b>E3</b>	<b>0.6</b>	<b>MR</b>	<b>40.9</b>	<b>12.8</b>	<b>0</b>	<b>126.0</b>	<b>532</b>	<b>13</b>
					Averages =	<b>40.8</b>	<b>12.9</b>	<b>0</b>	<b>126.0</b>	<b>530</b>
					LSD (0.10) =	6.0	0.2	ns		
					LSD (0.25) =	3.1	0.1	ns		
					C.V. =	13.8				
Ed Dahle					Historic yield: 45.02 bu/a, 6 yr(s)					
ed.dahle@firstseedtests.com, (507) 456-6624										
<b>Yield &amp; Income Factors:</b>			Base Moisture = 13.0%	Shrink = 1.3	Drying = \$0.00	Prices: GMO = \$13.00				

Report Date: 11/16/2023

† 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)

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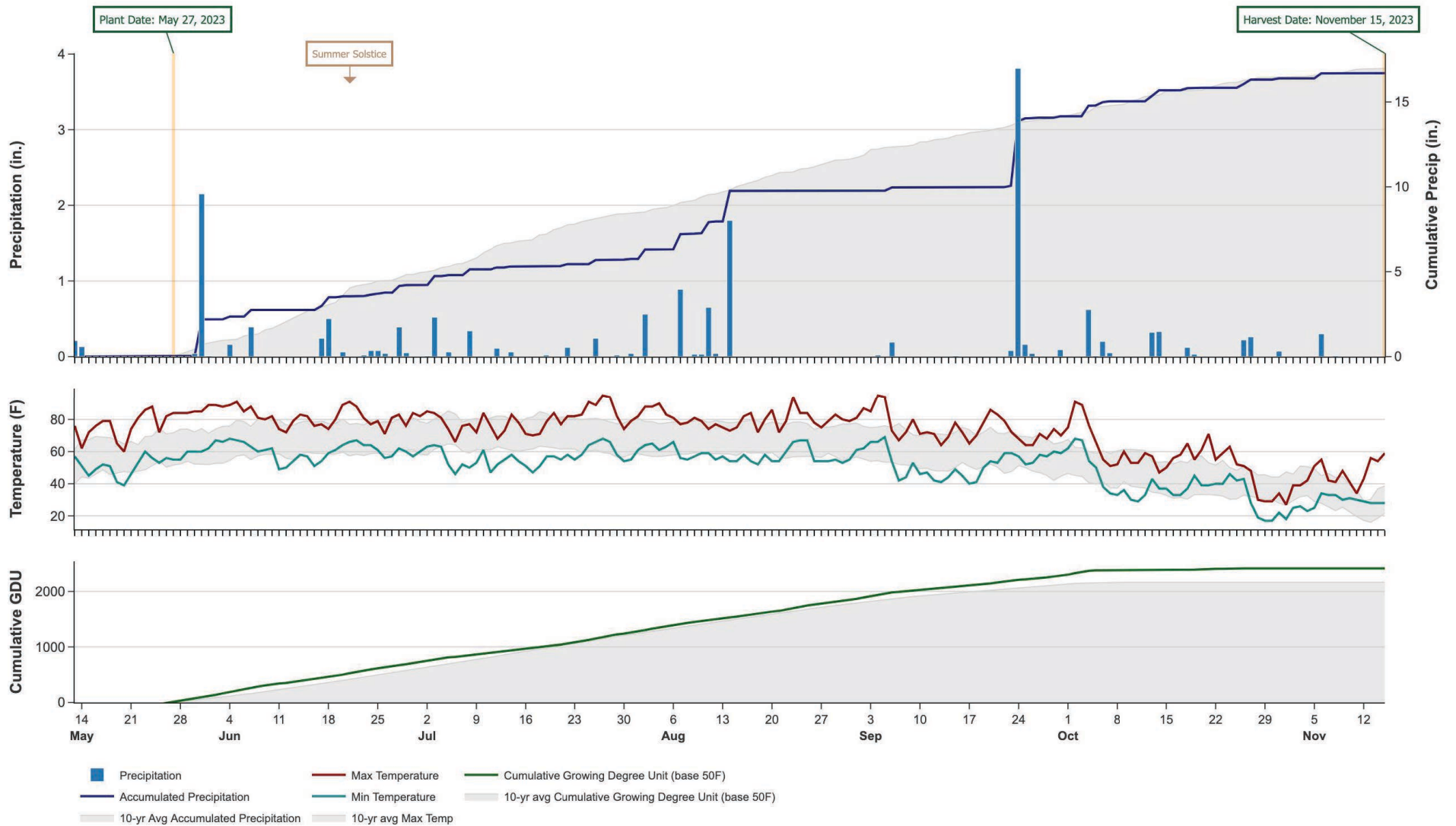
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# 2023 Soybeans - Minnesota North Central [ MNNC ]

## Weather Conditions Summary at WENDELL, MN

Weather Data Retrieved: 11/16/2023

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct	Nov*	Total
Precip (in)   (Diff)	2.5   2.1 (+0.4)	2.0   4.1 (-2.1)	1.5   3.6 (-2.1)	4.0   3.2 (+0.8)	4.4   2.5 (+1.9)	2.2   2.4 (-0.1)	0.3   0.5 (-0.2)	17.0   18.4 (-1.4)
GDU   Avg (Diff)	300   191 (+108)	622   533 (+88)	548   640 (-92)	588   552 (+35)	438   349 (+88)	130   36 (+93)	0   0 (0)	2626   2305 (+320)



\* 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

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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

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S	susceptible
MR	moderate resistance
R	resistant
n/a	info unavailable

### Soybeans Technologies

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E3	Enlist E3®
RXF	XtendFlex®
ST	Sulfonylurea tolerant

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### Soybeans Seed Treatments\*

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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®/Motivo®, ILeVO, Obvius Plus, Relenya®
TFI	ThunderStruck F&I (Thunder Seed Inc.)
Untreated	No seed treatment

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\* Seed treatments may include unspecified plant health promoting components.