

# 2023 Soybeans Top 30 Region Summary for Minnesota North Central [MNNC]

**Early-Season Test**  
**Maturity Group 0.6 - 1.0**  
S2023MNNCa

**Top 26 of 26**

For Gross Income (Sorted by Yield), (8) Replication Average

Company/Brand	Product/Brand	Technol.†	RM	SCN	Yield Bu/A ↓	Protein (%)	Oil (%)	Moisture %	Lodging %	Gross Income \$/Acre	Rank	Albany *	Royalton	Starbuck	Wendell <b>REJECTED</b>	
ZINESTO	Z1004E ↗	E3	1.0	R	<b>54.6</b>			16.4	0	709	1	51.7	63.9	<b>48.1</b>	44.4	
ZINESTO	Z0804E ↗	E3	0.8	R	<b>54.5</b>			16.3	0	708	2	54.0	65.5	<b>43.9</b>	39.9	
XITAVO	XO 0993E ↗	E3	0.9	R	54.0			16.0	1	702	3	<b>58.6</b>	64.3	39.2	40.2	
ZINESTO	Z0903E ↗	E3	0.9	R	53.4			16.2	0	694	4	54.6	63.0	<b>42.5</b>	33.6	
DAK-SOTA	DE5107 ↗	E3	0.7	R	53.3			16.3	0	693	5	51.6	65.3	<b>43.1</b>	29.2	
DAIRYLAND	DSR-0920E ↗	E3	0.9	R	52.8			16.0	0	687	6	<b>62.0</b>	64.0	32.5	29.9	
THUNDER	TX8307N ↗	RXF	0.7	R	52.8			16.2	2	686	7	51.4	<b>68.6</b>	38.3	34.0	
XITAVO	XO 0602E ↗	E3	0.6	R	51.7			16.1	0	672	8	54.1	65.9	35.1	30.1	
THUNDER	TE7309N ↗	E3	0.9	R	50.2			16.3	2	653	9	56.7	58.3	35.7	21.1	
GOLDEN HARVEST	GH0734E3 § ↗	E3	0.7	MR	50.0			16.2	0	650	10	49.7	60.2	40.1	31.8	
DAK-SOTA	DE5309 ↗	E3	0.9	R	49.5			16.2	2	644	11	55.1	52.2	<b>41.4</b>	41.4	
ASGROW	AG09XF3 § ↗	RXF	0.9	R	48.8			16.2	3	634	12	52.4	<b>68.9</b>	25.1	21.2	
ASGROW	AG06XF3 § ↗	RXF	0.6	R	48.3			16.2	0	628	14	53.5	55.9	35.5	21.2	
PIONEER	P08A44E § ↗	E3	0.8	NA	48.3			16.1	0	628	15	46.7	58.2	40.1	31.8	
ZINESTO	Z0701E ↗	E3	0.7	R	47.9			16.2	1	623	16	48.5	58.5	36.9	31.8	
PIONEER	P04T02E § ↗	E3	0.4	NA	47.9			16.1	0	623	17	54.1	55.7	34.0	21.2	
STINE	06EG29 § ↗	E3	0.6	R	46.7			16.1	3	607	18	55.8	47.4	37.0	21.2	
THUNDER	TE7407N ↗	E3	0.7	R	46.5			16.3	0	605	19	48.8	59.3	31.5	31.8	
DAIRYLAND	DSR-0660E ↗	E3	0.6	R	45.8			16.1	0	596	20	47.6	54.6	35.3	21.2	
XITAVO	XO 0731E ↗	E3	0.7	R	45.5			16.1	0	591	21	45.8	49.8	40.8	31.8	
DAIRYLAND	DSR-0757E ↗	E3	0.7	S	44.9			16.2	1	583	22	51.8	57.1	25.7	21.2	
DAK-SOTA	DE5110 ↗	E3	1.0	R	44.7			16.1	0	581	23	42.7	54.9	36.4	30.6	
STINE	08EG62 § ↗	E3	0.8	R	44.5			16.2	0	578	24	40.5	62.4	30.6	27.8	
THUNDER	TX8309N ↗	RXF	0.9	R	44.1			16.4	5	573	25	40.3	58.2	33.8	39.3	
GOLDEN HARVEST	GH0933E3 § ↗	E3	0.9	R	40.3			16.3	0	524	26	46.5	43.9	30.6	33.6	
PIONEER	P06A85E CK ↗	E3	0.6	MR	48.7			16.1	0	632	13	52.6	62.4	31.0	31.6	
PIONEER	P06A85E CK	E3	0.6	MR	48.7			16.1	0	632	13	52.6	62.4	31.0	31.6	
					<b>Averages =</b>	<b>48.8</b>	<b>na</b>	<b>na</b>	<b>16.2</b>	<b>1</b>	<b>635</b>		<b>51.0</b>	<b>58.9</b>	<b>36.2</b>	<b>32.0</b>
					LSD (0.10) =	5.5	na	na	ns	ns			6.8	8.1	4.9	9.7
Ed Dahle					LSD (0.25) =	2.9	na	na	ns	ns			3.5	4.2	2.6	5.1

**High yield variability**

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Prev. years average yield for region: 45.51 bu/a, 5 yr(s)

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

† 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 product's results at www.firstseedtests.com. Oil & Protein values average of 1 sample per location. \* 2 reps for the site.

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

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Report Date: 11/16/2023

# 2023 Soybeans Top 30 Region Summary for Minnesota North Central [MNNC]

**Full-Season Test**  
**Maturity Group 1.1 - 1.5**  
 S2023MNNCb

**Top 29 of 29**

For Gross Income (Sorted by Yield), (9) Replication Average

Company/Brand	Product/Brand	Technol.†	RM	SCN	Yield Bu/A ↓	Protein (%)	Oil (%)	Moisture %	Lodging %	Gross Income \$/Acre	Rank	Albany	Royalton	Starbuck <b>REJECTED</b>	Wendell	
GOLDEN HARVEST	GH1194E3 §	E3	1.1	MR	<b>57.9</b>			15.4	0	753	1	55.7	<b>71.5</b>	38.6	46.5	
PIONEER	P13T47E §	E3	1.3	NA	<b>56.2</b>			15.2	0	730	2	<b>57.2</b>	65.1	43.2	46.2	
DAIRYLAND	DSR-1290E	E3,ST	1.2	R	54.1			15.2	1	704	3	49.6	64.5	39.2	<b>48.4</b>	
ZINESTO	Z1202E	E3	1.2	NA	53.9			15.3	0	701	4	<b>61.4</b>	62.0	41.1	38.4	
ASGROW	AG12XF3 §	RXF	1.2	R	52.0			15.1	6	676	6	49.0	60.5	37.0	46.6	
ZINESTO	Z1204E	E3	1.2	R	51.9			15.1	1	675	7	48.2	58.5	44.0	<b>49.1</b>	
XITAVO	XO 1404E	E3	1.4	R	51.9			15.2	0	674	8	53.8	59.9	40.4	41.9	
GOLDEN HARVEST	GH1124XF §	RXF	1.1	MR	51.7			15.5	1	673	9	45.0	61.6	41.9	<b>48.7</b>	
DYNA-GRO	S14XF43	RXF	1.4	MR	51.0			15.3	4	663	10	49.0	62.3	30.8	41.8	
XITAVO	XO 1372E	E3,ST	1.3	R	51.0			15.2	0	663	11	53.0	60.4	39.9	39.5	
STINE	10EF23 §	E3	1.0	R	50.8			15.2	0	660	12	52.3	57.7	41.9	42.2	
XITAVO	XO 1212E	E3	1.2	R	50.6			15.4	0	658	13	<b>57.0</b>	58.2	39.9	36.7	
STINE	14EG32 §	E3	1.4	R	50.6			15.2	1	658	14	52.4	61.5	39.9	37.9	
THUNDER	TX8215N	RXF	1.5	R	50.2			15.4	3	653	15	55.4	61.5	39.9	33.8	
CHANNEL	1022RFX GC	RXF	1.0	NA	49.7			15.1	0	646	16	49.7	56.5	39.9	43.0	
DYNA-GRO	S12EN72	E3	1.2	R	49.1			15.4	1	638	17	52.2	59.0	39.9	35.9	
DAK-SOTA	DE5412	E3	1.2	R	48.9			15.3	1	636	18	43.2	60.7	41.9	42.8	
THUNDER	TX8414N	RXF	1.4	R	48.6			15.3	0	632	19	45.6	60.8	39.9	39.5	
DAIRYLAND	DSR-1505E	E3	1.5	R	48.4			15.4	0	629	20	53.6	51.0	39.9	40.5	
THUNDER	TE7415N	E3	1.5	R	47.7			15.4	1	620	21	51.7	50.0	39.9	41.3	
THUNDER	TX8313N	RXF	1.3	R	47.6			15.3	2	619	22	52.6	53.2	39.9	37.0	
XITAVO	XO 1133E	E3	1.1	R	47.2			15.3	0	613	23	49.5	51.3	35.9	40.7	
GENESIS	G1560E	E3	1.5	R	46.0			15.5	1	598	24	50.4	49.6	34.2	38.1	
DAIRYLAND	DSR-1450E	E3,ST	1.4	R	46.0			15.2	0	598	25	43.5	57.6	36.7	36.9	
DAK-SOTA	DE5215	E3	1.5	R	44.6			15.5	3	580	26	49.7	43.5	36.7	40.6	
DAK-SOTA	DE5414	E3	1.4	R	44.5			15.3	1	579	27	45.8	58.5	37.6	29.3	
ASGROW	AG15XF2 §	RXF	1.5	R	44.4			15.2	1	577	28	50.0	42.8	40.0	40.4	
ZINESTO	Z1502E	E3	1.5	NA	43.0			15.4	1	559	29	47.0	43.2	38.2	38.8	
PIONEER	P06A85E CK	E3	0.6	MR	52.8			15.0	1	687	5	48.7	<b>68.9</b>	30.4	40.9	
PIONEER	P06A85E CK	E3	0.6	MR	52.8			15.0	1	687	5	48.7	<b>68.9</b>	30.4	40.9	
					<b>Averages =</b>	<b>49.7</b>	<b>na</b>	<b>na</b>	<b>15.3</b>	<b>1</b>	<b>647</b>		<b>50.7</b>	<b>57.7</b>	<b>37.9</b>	<b>40.8</b>
					LSD (0.10) =	5.4	na	na	0.1	2			5.1	8.8	7.5	6.0
					LSD (0.25) =	2.8	na	na	0.1	1			2.7	4.6	3.9	3.1
Ed Dahle																
ed.dahle@firstseedtests.com, (507) 456-6624					Prev. years average yield for region: 45.51 bu/a, 5 yr(s)											

**Yield & Income Factors:**

Base Moisture = 13.0%

Shrink = 1.0

Drying = \$0.00

Prices: GMO = \$13.00

† 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 product's results at www.firstseedtests.com. Oil & Protein values average of 1 sample per location. \* 2 reps for the site.

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

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Report Date: 11/16/2023

## 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.