

Test by: NewVenture, LLC Ellendale, MN

## 2024 Soybeans Top 30 Harvest Report

Minnesota North Central [MNCC] ROYALTON, MN  
 Kenya Kasella, Morrison County, MN 56315

<b>All-Season Test</b>	Maturity Group <b>0.6 - 1.5</b> S2024MNCC02
<b>Top 30 of 45</b>	For Gross Income (Sorted by Yield) Average of (3) Replications
<b>PREV. CROP/HERB:</b>	Corn / Roundup, Surestart
<b>SOIL DESCRIPTION:</b>	Pomroy loamy sand, mod. well drained, irrigated
<b>SOIL CONDITION:</b>	very high P, very high K, 6.4 pH, 1.7% OM, 6.9 CEC
<b>TILLAGE/CULTIVATION:</b>	Conventional W/O Fall Till
<b>PEST MANAGEMENT:</b>	Roundup, Liberty, Metachlor, Outlook, Endura
<b>Applied N-P-K (units):</b>	0-0-0
<b>SEEDED - RATE - ROW:</b>	May 18 140.0 /A 30" spacing
<b>HARVESTED - STAND:</b>	Oct 11 127.0 /A

### TEST COMMENTS:

*This very sandy and irrigated site was able to handle the wet start to the growing season. Irrigation was helpful at the end of the season. This was one of the best soybean plots that we have harvested at this location. Ken noted that there was no white mold for this year at this plot. No weeds were noted at harvest. We want to thank Ken for hosting a plot again this year.*

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Asgrow	AG14XF4 § ↗	RXF	1.4	R	<b>77.3</b>	9.4	0	128.0	773	1
Xitavo	XO 1372E ↗	E3,ST	1.3	R	<b>71.3</b>	9.4	17	126.7	713	2
Dairyland	DSR-1345E ↗	E3	1.3	M	<b>70.4</b>	9.3	0	127.3	704	3
Thunder	TE7415N ↗	E3	1.5	PK	<b>70.2</b>	9.2	0	126.7	702	4
Thunder	TX8313N ↗	RXF	1.3	M	<b>70.0</b>	9.9	6	126.7	700	5
Xitavo	XO 1404E ↗	E3	1.4	M	<b>69.9</b>	9.7	15	127.3	699	6
NK Brand	NK08-Z4E3 ↗	E3	0.8	M	<b>69.6</b>	9.3	6	127.3	696	7
NK Brand	NK14-U5E3 § ↗	E3	1.4	PK	68.2	9.7	23	127.3	682	8
Dak-Sota	DE5510 ↗	E3	1.0	PK	67.6	9.6	7	127.3	676	9
Fortus	1385E GC ↗	E3	1.3	M	66.2	9.0	2	126.7	662	10
Thunder	TX8215N ↗	RXF	1.5	M	65.6	9.8	16	128.0	656	11
Pioneer	P08A44E § ↗	E3	0.8	NA	65.2	9.1	1	125.0	652	12
NK Brand	NK08-R3XF ↗	RXF	0.8	M	65.0	9.8	5	127.3	650	13
Stine	10EG20 § ↗	E3	1.0	M	64.5	9.4	0	126.7	645	14
NK Brand	NK11-U2XF ↗	RXF	1.1	M	64.2	9.6	17	128.0	642	15
Asgrow	AG10XF4 § ↗	RXF	1.0	R	63.7	9.2	0	126.7	637	16
Thunder	TE7509N ↗	E3	0.9	M	61.8	9.1	2	126.7	618	17
Thunder	TE7510N ↗	E3	1.0	M	61.7	9.3	1	127.3	617	18
Golden Harvest	GH0815E3 ↗	E3	0.8	M	61.4	9.2	1	126.7	614	19
Xitavo	XO 1225E ↗	E3	1.2	M	61.0	9.4	20	127.3	610	20
NK Brand	NK11-A4E3 ↗	E3	1.1	M	60.7	9.4	2	127.3	607	21
Golden Harvest	GH0675E3 ↗	E3	0.6	M	60.7	10.0	4	126.0	607	22
Dairyland	DSR-1150E ↗	E3	1.1	PK	60.6	9.3	17	127.3	606	23
Asgrow	AG09XF3 § ↗	RXF	0.9	R	59.7	9.4	1	127.3	597	24
Dairyland	DSR-1476E ↗	E3	1.4	M	59.1	9.3	0	127.0	591	25
Fortus	0544E GC ↗	E3	0.5	M	58.8	9.4	7	126.0	588	26
Golden Harvest	GH1495E3 ↗	E3	1.4	PK	58.0	9.6	3	127.3	580	27
Fortus	1175E GC ↗	E3	1.1	PK	57.7	9.7	4	127.3	577	28
NK Brand	NK06-A1E3 ↗	E3	0.6	M	57.2	9.7	3	126.7	572	29
NK Brand	NK09-H7E3 § ↗	E3	0.9	M	56.2	9.5	5	128.0	562	30

Averages = **59.8** **9.4** **6** **127.0** **596**

LSD (0.10) = 9.3 0.3 8

LSD (0.25) = 4.9 0.2 4

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C.V. = 14.8

Historic yield: 46.39 bu/a, 6 yr(s)

**Yield & Income Factors:** Base Moisture = 13.0% Shrink = 1.2 Drying = \$0.02 Prices: GMO = \$10.00

Report Date: 10/11/2024

† 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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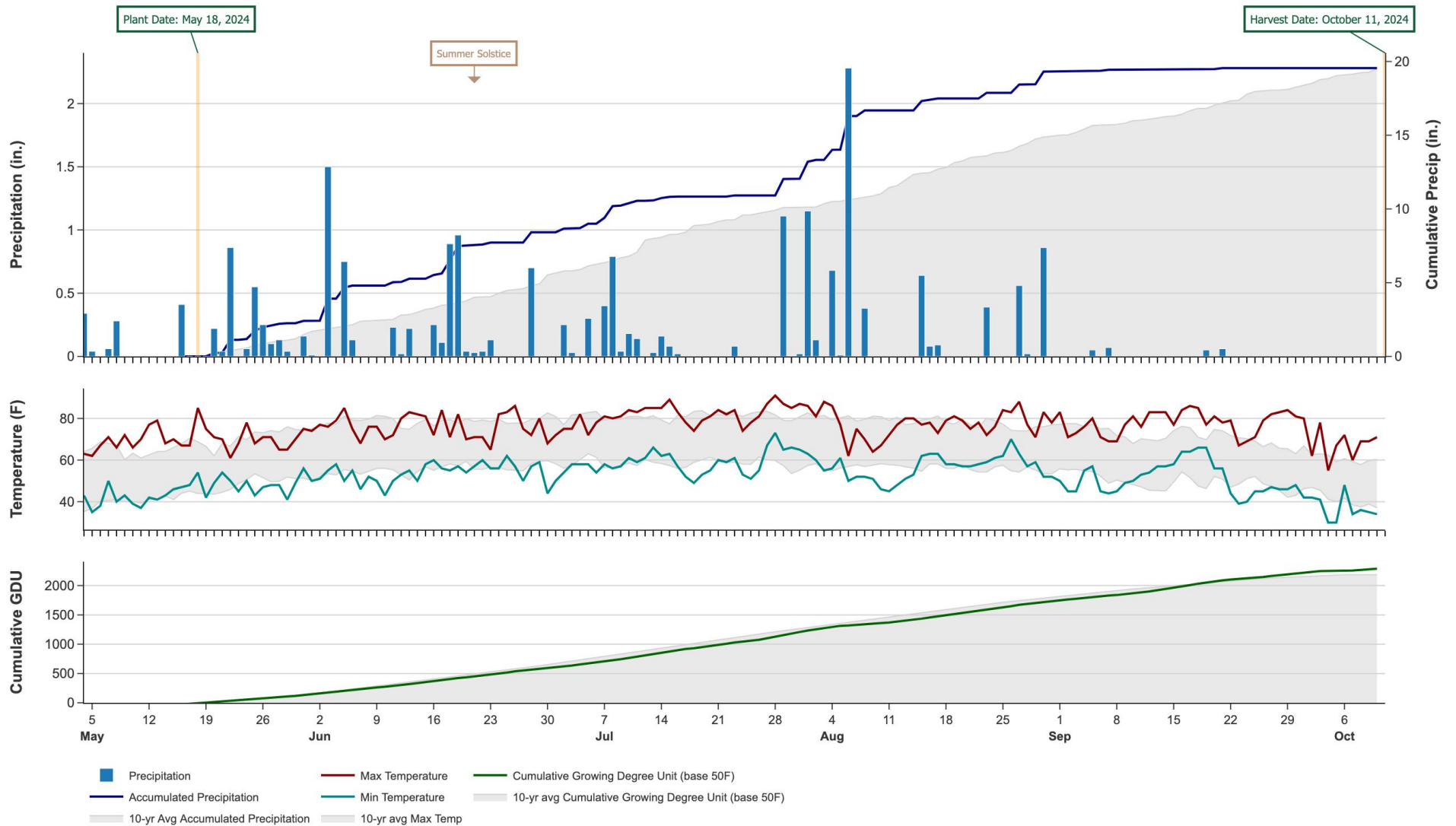
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# 2024 Soybeans - Minnesota North Central [ MNNC ]

## Weather Conditions Summary at ROYALTON, MN

Weather Data Retrieved: 10/11/2024

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in)   (Diff)	3.5   3.2 (+0.3)	6.0   4.0 (+2.0)	3.6   4.6 (-1.0)	7.3   4.8 (+2.4)	0.2   3.3 (-3.1)	0.0   1.2 (-1.2)	20.7   21.3 (-0.6)
GDU   Avg (Diff)	280   251 (+28)	460   510 (-50)	614   612 (+1)	529   540 (-11)	476   346 (+129)	76   32 (+43)	2435   2293 (+141)



\* 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.

## 2024 Soybeans - Minnesota North Central [ MNNC ]

### All-Season Test Products (45 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Asgrow	AG09XF3 §	RXF	R	0.9	ACi,IL
Asgrow	AG10XF4 §	RXF	R	1.0	ACi,IL
Asgrow	AG14XF4 §	RXF	R	1.4	ACi,IL
Dairyland	DSR-1150E	E3	PK	1.1	Lum,Lu,IL
Dairyland	DSR-1345E	E3	M	1.3	Lum,Lu,IL
Dairyland	DSR-1476E	E3	M	1.4	Lum,Lu,IL
Dak-Sota	DE5215	E3	M	1.5	F
Dak-Sota	DE5412	E3	PK	1.2	F
Dak-Sota	DE5510	E3	PK	1.0	F
Dak-Sota	DE5514	E3	PK	1.4	F
Fortus	0544E GC	E3	M	0.5	AC, SU
Fortus	1175E GC	E3	PK	1.1	AC, SU
Fortus	1385E GC	E3	M	1.3	AC, SU
Golden Harvest	GH0675E3	E3	M	0.6	CMB-APX,SA
Golden Harvest	GH0815E3	E3	M	0.8	CMB-APX,SA
Golden Harvest	GH1495E3	E3	PK	1.4	CMB-APX,SA
NK Brand	NK06-A1E3	E3	M	0.6	CMB-APX,SA
NK Brand	NK07-G5E3 §	E3	PK	0.7	CMB-APX,SA
NK Brand	NK08-R3XF	RXF	M	0.8	CMB-APX,SA
NK Brand	NK08-Z4E3	E3	M	0.8	CMB-APX,SA
NK Brand	NK09-H7E3 §	E3	M	0.9	CMB-APX,SA
NK Brand	NK11-A4E3	E3	M	1.1	CMB-APX,SA
NK Brand	NK11-U2XF	RXF	M	1.1	CMB-APX,SA
NK Brand	NK14-U5E3 §	E3	PK	1.4	CMB-APX,SA
Pioneer	P06A85E §	E3	MR	0.6	Untreated
Pioneer	P08A44E §	E3	NA	0.8	Untreated
Pioneer	P14A12E §	E3	NA	1.4	Untreated
Renk	RS155NXF GC	RXF	M	1.5	EcTC, NF, SA
Stine	08EG62 §	E3	M	0.8	TFX1,SA
Stine	10EG20 §	E3	M	1.0	TFX1,SA
Stine	13EG23 §	E3	M	1.3	TFX1,SA
Thunder	TE7415N	E3	PK	1.5	F
Thunder	TE7509N	E3	M	0.9	F
Thunder	TE7510N	E3	M	1.0	F
Thunder	TE7513N	E3	PK	1.3	F
Thunder	TX8215N	RXF	M	1.5	F
Thunder	TX8309N	RXF	M	0.9	F
Thunder	TX8313N	RXF	M	1.3	F
Thunder	TX8412N	RXF	M	1.2	F
Xitavo	XO 0993E	E3	PK	0.9	PV,IL,OB,Rey
Xitavo	XO 1095E	E3	M	1.0	PV,IL,OB,Rey
Xitavo	XO 1225E	E3	M	1.2	PV,IL,OB,Rey

Company/Brand	Brand/Product	Technology	SCN	RM	Seed Treat.
Xitavo	XO 1372E	E3,ST	R	1.3	PV,IL,OB,Rey
Xitavo	XO 1404E	E3	M	1.4	PV,IL,OB,Rey
Xitavo	XO 1545E	E3	PK	1.5	PV,IL,OB,Rey

## 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 Source or Rating

Note: Source of SCN resistance used when available, otherwise older susceptibility ratings are reported.

M	PI 88788 (MR)
PK	Peking (R)
H	Hartwig (R)
B	Blend (PK + M)
MR	moderate resistance
R	resistant
S	susceptible
NA	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,IL	Acceleron® Standard Insecticide-Fungicide, ILeVO
AC, SU	Acceleron standard+ StepUp
CMB-APX,SA	CruiserMaxx® APX with Saltro®
EcTC, NF, SA	Eclipse US Total Coverage, N-Force, Saltro
F	Fungicide
Lum,Lu,IL	LumiGEN™, Lumisena™, ILeVO
PV,IL,OB,Rey	Poncho®/Votivo®, ILeVO, Obvius Plus, Relenya®
TFX1,SA	Stine MyYield, Saltro
Untreated	No seed treatment

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