

Test by: Southern MN FIRST New Richland, MN

## 2024 Soybeans Top 30 Harvest Report

Red River South North Dakota & Minnesota [RRSO]  
BUFFALO, ND  
Tim Berntson, Cass County, ND

<b>All-Season Test</b>	Maturity Group <b>0.5 - 1.4</b> S2024RRSO18
<b>Top 30 of 54</b>	For Gross Income (Sorted by Yield) Average of (3) Replications
<b>PREV. CROP/HERB:</b>	Corn / Atrazine, Armezon Pro, Stinger
<b>SOIL DESCRIPTION:</b>	Barnes-Buse loam, well drained, non-irrigated
<b>SOIL CONDITION:</b>	very high P, high K, 7.7 pH, 3.1% OM, 19.5 CEC
<b>TILLAGE/CULTIVATION:</b>	Conventional W/ Fall Till
<b>PEST MANAGEMENT:</b>	Authority Elite Pre Fb Liberty Post, Topsin Fungicide
<b>Applied N-P-K (units):</b>	0-0-0
<b>SEEDED - RATE - ROW:</b>	May 29 140.0 /A 30" spacing
<b>HARVESTED - STAND:</b>	Oct 10 121.7 /A

### TEST COMMENTS:

Tim stated that this was a very good growing season for soybeans. These plots stood well, with slightly above normal height. The rainfall was almost ideal through August, with September through harvest turning dry. Warm temperatures throughout the growing season continued through harvest. Sunshine was quite prevalent, but Tim did note that the forest fires that spread smoke over North Dakota may have reduced the quality of the sunshine reaching the soybeans from June through harvest. Regardless, this was a great looking plot site!

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>67.6</b>	10.6	0	121.0	690	1
Asgrow	AG10XF4 § ↗	RXF	1.0	R	<b>65.9</b>	9.7	0	121.3	672	2
NK Brand	NK11-A4E3 § ↗	E3	1.1	M	<b>62.9</b>	10.5	0	123.3	642	3
Golden Harvest	GH0815E3 § ↗	E3	0.8	M	<b>62.5</b>	9.5	0	121.7	638	4
Dairyland	DSR-1476E ↗	E3	1.4	M	<b>62.5</b>	10.3	0	123.5	638	5
Stine	13EG23 § ↗	E3	1.3	M	<b>62.4</b>	10.2	0	121.3	636	6
Xitavo	XO 1372E ↗	E3,ST	1.3	R	<b>62.3</b>	9.9	0	121.3	635	7
Thunder	TE7509N ↗	E3	0.9	M	<b>62.0</b>	9.8	0	122.3	632	8
NK Brand	NK11-U2XF § ↗	RXF	1.1	M	<b>62.0</b>	10.1	0	123.0	632	9
Dairyland	DSR-1345E ↗	E3	1.3	M	61.7	9.9	0	122.7	629	10
Fortus	1385E ↗	E3	1.3	M	61.2	10.5	1	121.7	624	11
Stine	10EG20 § ↗	E3	1.0	M	61.0	10.2	0	122.0	622	12
NK Brand	NK08-R3XF ↗	RXF	0.8	M	60.6	10.3	0	122.0	618	13
Thunder	TE7513N ↗	E3	1.3	PK	60.3	9.5	0	121.3	615	14
Xitavo	XO 0554E ↗	E3	0.5	M	60.2	9.9	0	120.3	614	15
Genesis	G1290E ↗	E3	1.2	M	60.2	10.0	0	122.0	614	16
Asgrow	AG12XF4 § ↗	RXF	1.2	S	60.1	9.9	0	121.7	613	17
Thunder	TX8307N ↗	RXF	0.7	M	60.0	10.2	0	120.7	612	18
Dak-Sota	DE5507 ↗	E3	0.7	PK	59.9	9.8	0	122.3	611	19
Dairyland	DSR-1150E ↗	E3	1.1	PK	59.9	10.0	0	122.7	611	20
Golden Harvest	GH1495E3 ↗	E3	1.4	PK	59.6	10.1	0	122.0	608	21
NK Brand	NK06-C4XF ↗	RXF	0.6	M	59.6	10.5	0	121.0	608	22
NK Brand	NK08-Z4E3 ↗	E3	0.8	M	59.4	9.2	0	121.3	606	23
NK Brand	NK06-A1E3 ↗	E3	0.6	M	59.4	10.4	0	122.3	606	24
Fortus	0544E ↗	E3	0.5	M	59.3	10.4	0	123.0	605	25
Xitavo	XO 1404E ↗	E3	1.4	M	59.2	9.7	0	121.3	604	26
Thunder	TX8313N ↗	RXF	1.3	M	59.2	10.5	0	120.0	604	27
Golden Harvest	GH1194E3 ↗	E3	1.1	M	59.1	10.2	0	120.7	603	28
Xitavo	XO 1225E ↗	E3	1.2	M	58.5	10.1	1	120.0	597	29
Thunder	TE7407N ↗	E3	0.7	M	58.2	9.7	0	122.0	594	30

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Mark Querna

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Averages =	<b>58.9</b>	<b>10.1</b>	<b>0</b>	<b>121.7</b>	<b>601</b>
LSD (0.10) =	3.1	0.4	0		
LSD (0.25) =	1.6	0.2	0		
C.V. =	5.0				

Historic yield: 42.21 bu/a, 2 yr(s)

**Yield & Income Factors:** Base Moisture = 13.0% Shrink = 1.2 Drying = \$0.02 Prices: GMO = \$10.20

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

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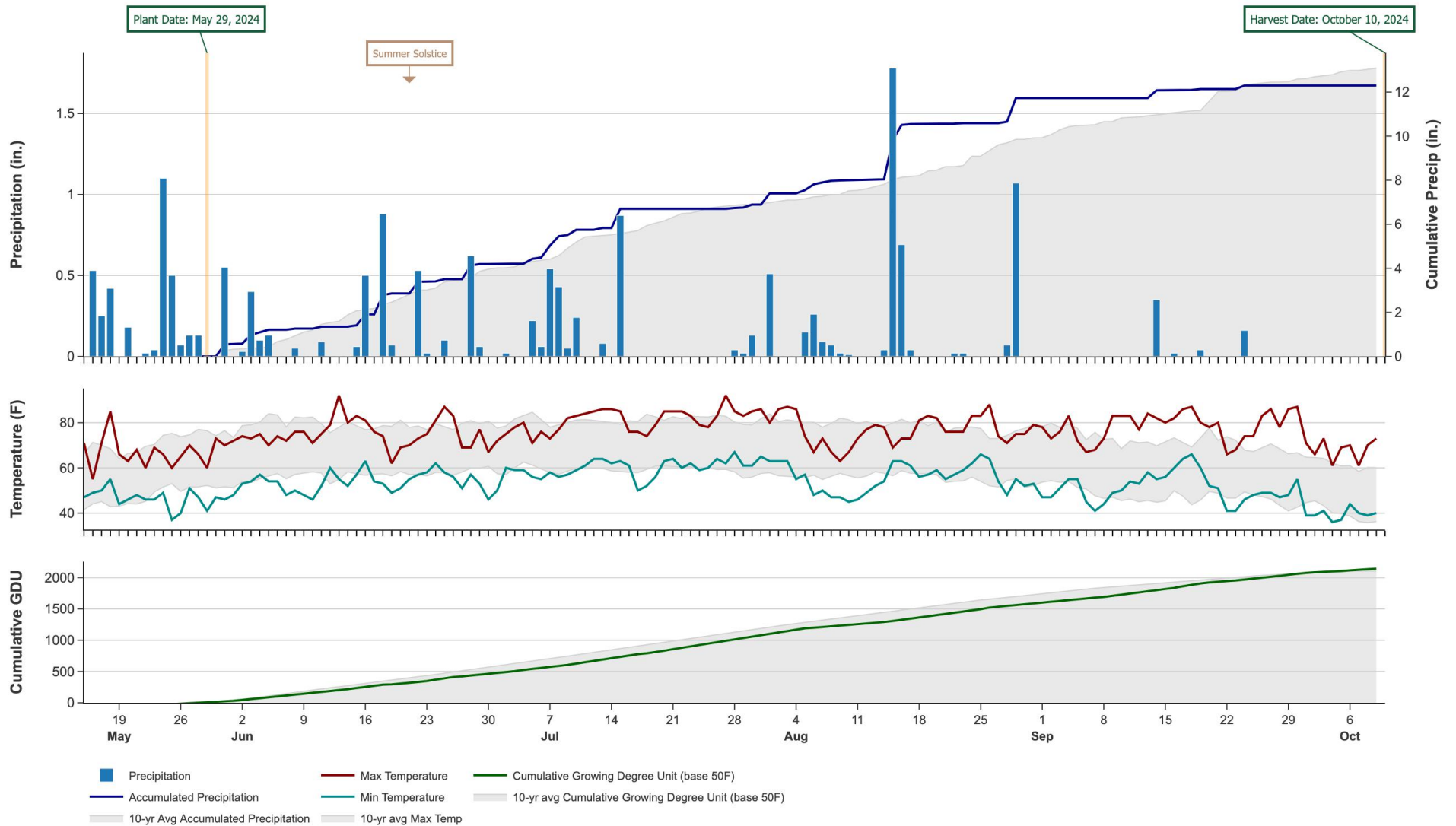
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# 2024 Soybeans - Red River South North Dakota & Minnesota [ RRSO ]

## Weather Conditions Summary at BUFFALO, ND

Weather Data Retrieved: 10/11/2024

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in)   (Diff)	3.9   1.7 (+2.2)	3.6   3.7 (-0.1)	2.7   3.0 (-0.3)	4.8   3.0 (+1.8)	0.6   2.7 (-2.1)	0.0   0.5 (-0.5)	15.7   14.5 (+1.2)
GDU   Avg (Diff)	142   189 (-47)	437   541 (-104)	626   623 (+2)	507   535 (-28)	475   343 (+131)	76   33 (+42)	2263   2266 (-3)



\* 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 (54 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Anderson	A154E3 GC	E3	PK	1.5	Untreated
Asgrow	AG10XF4 §	RXF	R	1.0	ACi,IL
Asgrow	AG12XF4 §	RXF	S	1.2	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	DE5309	E3	PK	0.9	F
Dak-Sota	DE5405	E3	M	0.5	F
Dak-Sota	DE5412	E3	PK	1.2	F
Dak-Sota	DE5507	E3	PK	0.7	F
Dak-Sota	DE5510	E3	PK	1.0	F
Dak-Sota	DE5514	E3	PK	1.4	F
Fortus	0544E	E3	M	0.5	AC, SU
Fortus	0831E	E3	M	0.8	AC, SU
Fortus	1175E	E3	PK	1.1	AC, SU
Fortus	1385E	E3	M	1.3	AC, SU
Genesis	G0750E	E3	M	0.7	EcTC
Genesis	G0880E	E3	M	0.8	EcTC
Genesis	G1260E	E3	M	1.2	EcTC
Genesis	G1290E	E3	M	1.2	EcTC
Golden Harvest	GH0675E3	E3	M	0.6	CMB-APX,SA
Golden Harvest	GH0815E3 §	E3	M	0.8	CMB-APX,SA
Golden Harvest	GH1194E3	E3	M	1.1	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	NK06-C4XF	RXF	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
Pioneer	P06A85E §	E3	MR	0.6	Untreated
Pioneer	P08A44E §	E3	NA	0.8	Untreated
Pioneer	P14A12E §	E3	NA	1.4	Untreated
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	TE7407N	E3	M	0.7	F
Thunder	TE7509N	E3	M	0.9	F
Thunder	TE7510N	E3	M	1.0	F

Company/Brand	Brand/Product	Technology	SCN	RM	Seed Treat.
Thunder	TE7513N	E3	PK	1.3	F
Thunder	TX8307N	RXF	M	0.7	F
Thunder	TX8309N	RXF	M	0.9	F
Thunder	TX8313N	RXF	M	1.3	F
Thunder	TX8412N	RXF	M	1.2	F
Xitavo	XO 0554E	E3	M	0.5	PV,IL,OB,Rey
Xitavo	XO 0602E	E3	M	0.6	PV,IL,OB,Rey
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
Xitavo	XO 1372E	E3,ST	R	1.3	PV,IL,OB,Rey
Xitavo	XO 1404E	E3	M	1.4	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	Eclipse US Total Coverage Trio IM, N-Force
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.