

Test by: Southern MN FIRST New Richland, MN

2024 Soybeans Top 30 Harvest Report

Red River South North Dakota & Minnesota [RRSO]
MOORETON, ND
Andrew Mauch, Richland County, ND

All-Season Test	Maturity Group 0.5 - 1.4 S2024RRSO19
Top 30 of 54	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Laudis, Atrazine, Arrest, Powermax
SOIL DESCRIPTION:	Galchutt silt loam, moderately drained, non-irrigated
SOIL CONDITION:	high P, medium K, 8.1 pH, 2.5% OM, 21.4 CEC
TILLAGE/CULTIVATION:	Minimum W/ Fall Till
PEST MANAGEMENT:	Clethodim, Foma, Varisto Fb Liberty
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 29 140.0 /A 30" spacing
HARVESTED - STAND:	Oct 9 123.5 /A

TEST COMMENTS:

Rains fell often in May and June, making the planting window quite small. Rains were 25% above normal during the growing season, and most of that moisture fell in May and June. Planting went well, even though the soil profile was full at planting. Timely 1" rains in July and August allowed plants to grow tall and healthy, and no weeds were present. Visually, this site looked fantastic at harvest. The only negative was that smoke from western fires caused the sunshine to not be quite as intense from June through harvest.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Genesis	G0750E ↗	E3	0.7	M	64.9	8.4	0	122.7	662	1
Fortus	0831E ↗	E3	0.8	M	64.0	8.7	0	124.7	653	2
Fortus	1385E ↗	E3	1.3	M	63.9	8.8	1	124.0	652	3
Stine	08EG62 § ↗	E3	0.8	M	62.6	8.6	0	123.0	639	4
Dairyland	DSR-1345E ↗	E3	1.3	M	62.5	8.7	0	125.3	638	5
Genesis	G1290E ↗	E3	1.2	M	62.5	8.6	0	122.0	638	6
Xitavo	XO 0602E ↗	E3	0.6	M	62.3	8.7	0	121.7	635	7
Dairyland	DSR-1476E ↗	E3	1.4	M	62.3	8.6	0	122.7	635	8
Fortus	0544E ↗	E3	0.5	M	61.4	8.9	0	124.0	626	9
Golden Harvest	GH1194E3 ↗	E3	1.1	M	61.2	9.1	0	124.3	624	10
Stine	10EG20 § ↗	E3	1.0	M	61.0	8.8	0	123.7	622	11
NK Brand	NK08-Z4E3 ↗	E3	0.8	M	60.8	8.5	0	124.3	620	12
NK Brand	NK11-A4E3 § ↗	E3	1.1	M	60.8	8.9	0	124.7	620	13
Golden Harvest	GH0815E3 § ↗	E3	0.8	M	60.5	8.4	0	124.3	617	14
Xitavo	XO 1372E ↗	E3,ST	1.3	R	60.5	8.7	0	124.0	617	15
Genesis	G1260E ↗	E3	1.2	M	60.1	8.7	0	125.3	613	16
Golden Harvest	GH0675E3 ↗	E3	0.6	M	60.0	9.0	0	124.3	612	17
Thunder	TE7509N ↗	E3	0.9	M	59.8	8.6	0	121.7	610	18
Thunder	TE7407N ↗	E3	0.7	M	59.8	8.6	0	123.7	610	19
Stine	13EG23 § ↗	E3	1.3	M	59.7	9.2	0	123.7	609	20
Dak-Sota	DE5405 ↗	E3	0.5	M	59.6	8.6	0	122.7	608	21
NK Brand	NK09-H7E3 ↗	E3	0.9	M	58.9	9.0	0	120.0	601	22
NK Brand	NK06-A1E3 ↗	E3	0.6	M	58.6	9.0	0	124.0	598	23
Xitavo	XO 1404E ↗	E3	1.4	M	58.0	8.9	0	123.7	592	24
Dairyland	DSR-1150E ↗	E3	1.1	PK	57.6	8.6	0	122.3	588	25
Xitavo	XO 1095E ↗	E3	1.0	M	57.6	8.9	0	122.3	588	26
Golden Harvest	GH1495E3 ↗	E3	1.4	PK	57.5	9.0	1	123.3	586	27
Asgrow	AG10XF4 § ↗	RXF	1.0	R	57.2	9.0	0	122.7	583	28
Xitavo	XO 0554E ↗	E3	0.5	M	57.0	8.7	0	124.7	581	29
NK Brand	NK07-G5E3 ↗	E3	0.7	PK	56.8	8.5	0	124.3	579	30

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Averages = **56.9** **8.8** **1** **123.5** **581**

LSD (0.10) = 2.7 0.2 3

LSD (0.25) = 1.4 0.1 1

C.V. = 4.5

Historic yield: 41.21 bu/a, 2 yr(s)

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.0 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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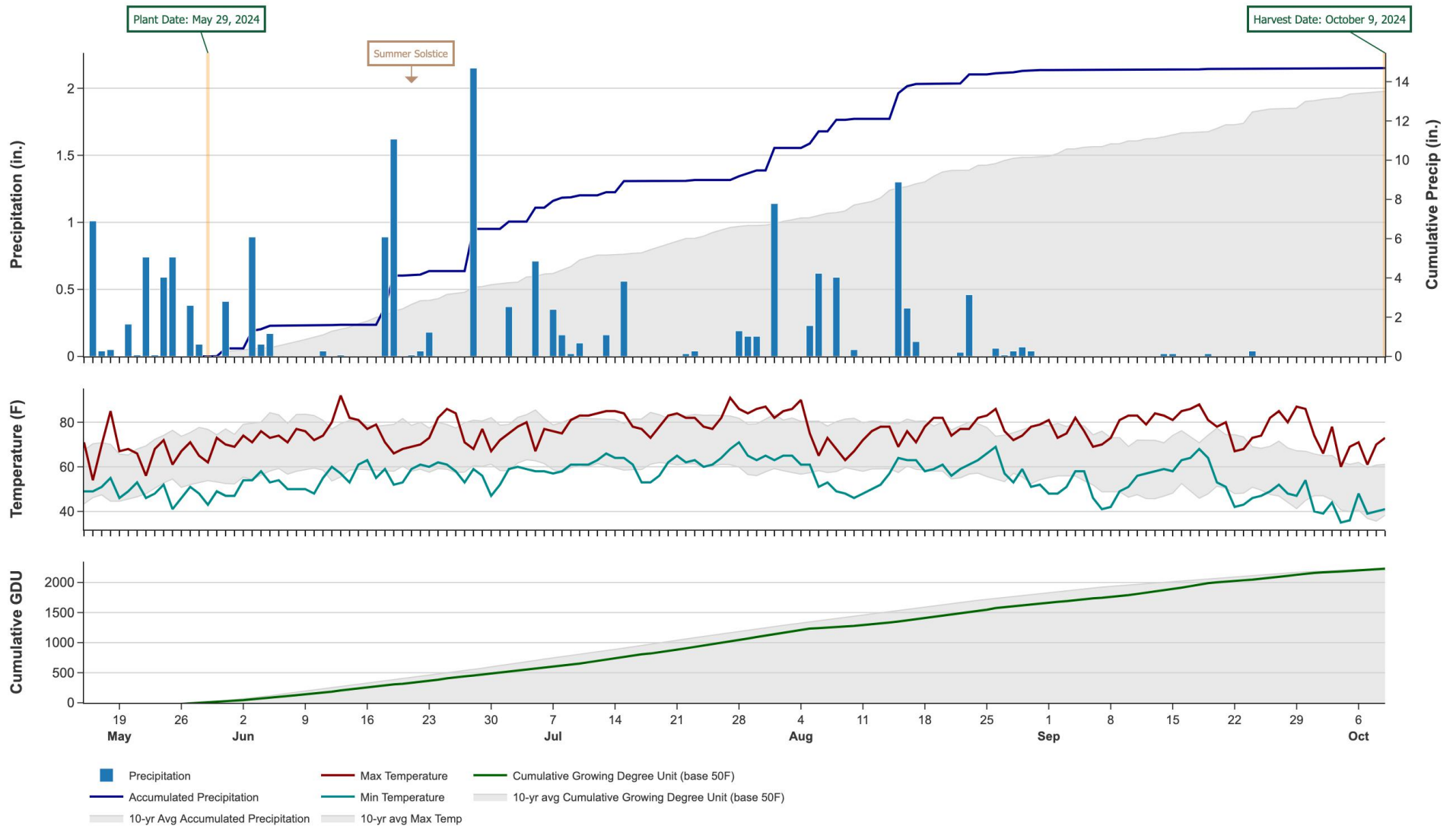
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2024 Soybeans - Red River South North Dakota & Minnesota [RRSO]

Weather Conditions Summary at MOORETON, ND

Weather Data Retrieved: 10/11/2024

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) (Diff)	4.3 1.5 (+2.8)	6.1 3.4 (+2.7)	3.0 3.0 (-0.1)	5.1 3.5 (+1.6)	0.1 2.8 (-2.7)	0.0 0.5 (-0.5)	18.6 14.7 (+3.9)
GDU Avg (Diff)	154 198 (-44)	457 568 (-111)	640 647 (-7)	531 566 (-35)	498 364 (+133)	81 40 (+40)	2361 2386 (-25)



* 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

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

E3	Enlist E3®
RXF	XtendFlex®
ST	Sulfonylurea tolerant

Soybeans Seed Treatments*

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

* Seed treatments may include unspecified plant health promoting components.