

Test by: Southern MN FIRST New Richland, MN

2024 Soybeans Top 30 Harvest Report

Minnesota Central Conventional Specialty [MNCECV] CANBY, MN

Gary and Kevin Larson, Yellow Medicine County, MN

All-Season Test	Maturity Group 0.8 - 1.7 S2024MNCECV14
Top 29 of 29	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Mesotrione, Anthem Maxx, Powermax, Atrazine
SOIL DESCRIPTION:	Burr-Calco Complex silty clay loam, mod. poorly drained, non-irrigated
SOIL CONDITION:	very low P, high K, 8.1 pH, 5.0% OM, 30.4 CEC
TILLAGE/CULTIVATION:	Conventional W/ Fall Till
PEST MANAGEMENT:	Trifluralin, Sulfentrazone, Metribuzin, Anthem Maxx, Pursuit, Clethodim, Fomesafen, Approach At R3, Ridgeback At R5
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 17 140.0 /A 30" spacing
HARVESTED - STAND:	Oct 5 124.2 /A

TEST COMMENTS:

This site was planted in good conditions, with moisture levels recharged by this time (after a dry subsoil until April). Early summer rains were more than desired, but not as intense as areas to the south. Gary and Kevin believe the early rains kept the soil more saturated than ideal, which could have hurt yields. Later summer rains helped yield potential here. The plot site was weedless, and plants stood very well. Plant heights were shorter than average, but plants looked healthy at harvest. Warm weather in Sept and early Oct pushed the later varieties to maturity. Rainfall here was 4.9" in April, 4.8" in May, 4.1" in June, 4" in July, and 2.65" in August.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
DF Seeds	DF 187 N § ↗	CONV	1.8	R	62.6	11.5	0	125.7	858	1
DF Seeds	DF 174 N § ↗	CONV	1.7	R	61.1	11.1	0	126.3	837	2
Viking Blue River	1718N ↗	CONV	1.7	M	58.6	8.2	0	122.3	803	3
Thunder	TC1215N GC ↗	CONV	1.5	NA	57.1	8.1	0	126.0	782	4
Stine	13EG23 § ↗	E3	1.3	M	56.9	8.4	0	125.7	580	20
Pioneer	P18A82 § ↗	CONV	1.8	R	56.8	8.5	0	125.7	778	5
Pioneer	P15A20 § ↗	CONV	1.5	R	55.3	8.3	0	125.0	758	6
Asgrow	AG14XF4 § ↗	RXF	1.4	R	55.2	8.2	0	127.0	563	21
NK Brand	NK11-U2XF § ↗	RXF	1.1	M	55.2	7.9	0	124.0	563	22
DF Seeds	EXP 1.9 ↗	CONV	1.9	NA	54.0	11.2	3	127.0	740	7
Legacy	LS151-24C § ↗	CONV	1.5	NA	53.9	8.7	0	125.3	738	8
Sevita	ALINOVA ↗	CONV	1.5	NA	52.4	7.6	0	125.7	718	9
Viking Blue River	15B5 ↗	CONV	1.5	MR	51.5	8.4	0	124.0	706	10
Grain Millers	GSP 17 ↗	CONV	1.7	S	50.7	8.4	0	128.0	695	11
Sevita	HALDI ↗	CONV	1.5	NA	48.8	8.3	0	120.0	669	12
Viking Blue River	1223N ↗	CONV	1.2	M	48.3	7.7	0	123.0	662	13
Brushvale	BS1146 § ↗	CONV	1.2	R	48.0	8.3	0	125.0	658	14
Legacy	LS121-22C GC ↗	CONV	1.2	NA	47.8	8.1	0	124.3	655	15
SB & B Foods	SB712 ↗	CONV	1.2	M	47.7	8.0	0	123.7	653	16
Brushvale	BS12S642 § ↗	CONV	1.2	NA	45.9	8.3	0	125.3	629	17
Pioneer	P11A50 § ↗	CONV	1.1	R	44.7	8.0	0	123.7	612	18
Viking Blue River	1700N ↗	CONV	1.7	M	42.9	7.9	0	114.7	588	19
Brushvale	BS1512 GC ↗	CONV	1.4	NA	40.7	7.5	0	127.0	558	23
DF Seeds	EXP 1.7 ↗	CONV	1.7	NA	40.6	8.3	0	125.3	556	24
Puris	PS179 § ↗	CONV	1.7	NA	38.0	8.2	0	119.3	521	25
Richland IFC	MK808CN GC ↗	CONV	0.8	M	37.4	8.3	0	124.3	512	26
SB & B Foods	SB700 ↗	CONV	0.7	S	36.5	8.0	0	121.3	500	27
SB & B Foods	SB1270 ↗	CONV	1.2	S	33.5	7.9	0	125.3	459	28
Richland IFC	MK0603 GC ↗	CONV	0.6	S	27.1	7.9	0	121.0	371	29

Mark Querna

Mark Querna

mark.querna@firstseedtests.com, (507) 380-9920

Averages = **48.6** **8.5** **0** **124.2** **646**

LSD (0.10) = 5.7 0.4 ns

LSD (0.25) = 3.0 0.2 ns

C.V. = 11.0

Historic yield: 54.32 bu/a, 2 yr(s)

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.0 Drying = \$0.02 Prices: GMO = \$10.20; non-GMO = \$13.70

Report Date: 10/05/2024

† 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 exceeded 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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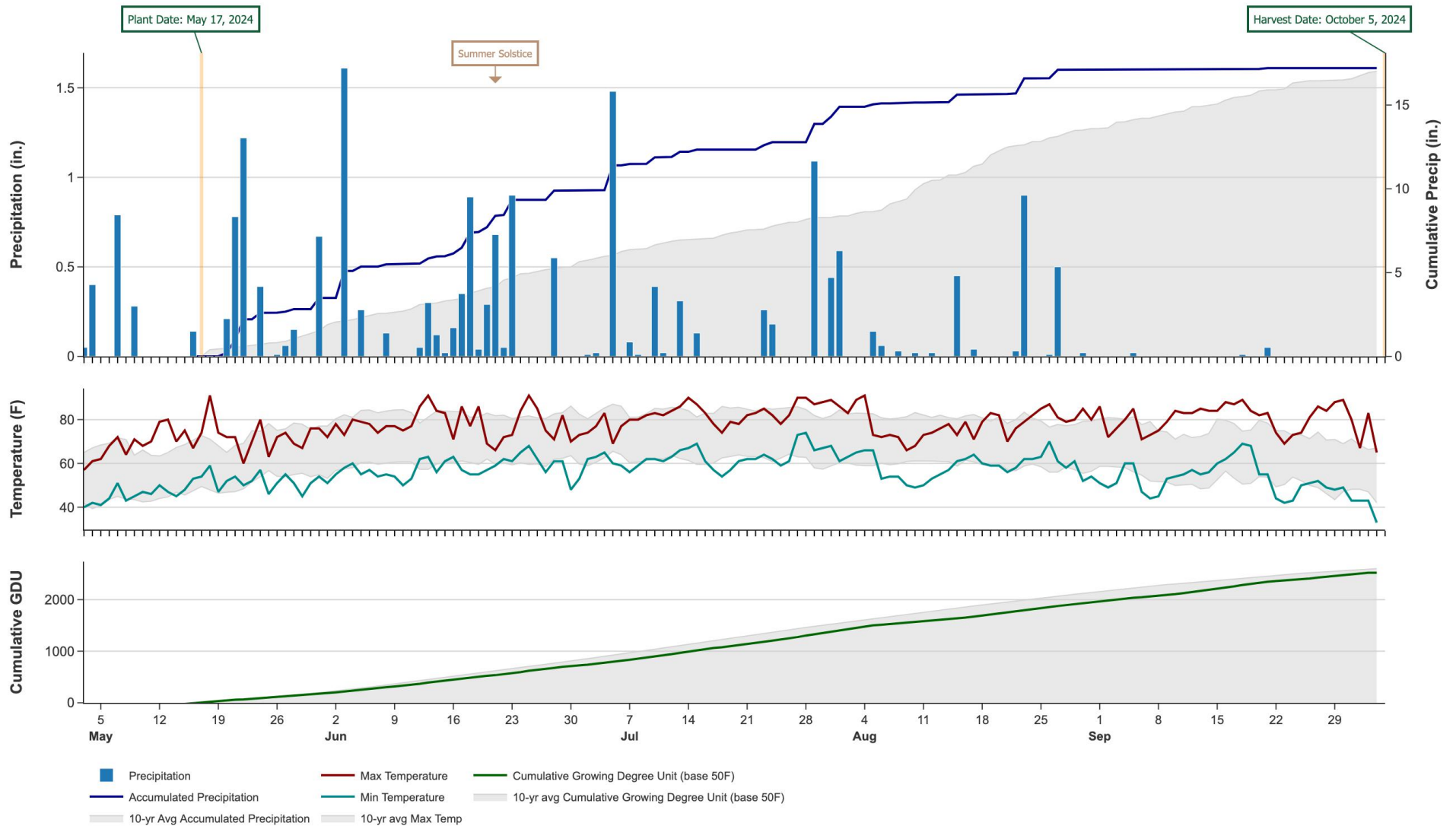
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Weather Conditions Summary at CANBY, MN

Weather Data Retrieved: 10/05/2024

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) (Diff)	5.2 3.4 (+1.8)	6.4 3.8 (+2.6)	4.4 3.0 (+1.5)	2.8 5.3 (-2.5)	0.1 2.9 (-2.8)	0.0 0.5 (-0.5)	18.9 18.8 (0.0)
GDU Avg (Diff)	318 316 (+1)	534 630 (-96)	676 705 (-29)	568 617 (-49)	530 423 (+106)	40 36 (+3)	2666 2730 (-64)



* 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 (29 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Asgrow	AG14XF4 §	RXF	R	1.4	ACi,IL
Brushvale	BS1146 §	CONV	R	1.2	NA
Brushvale	BS12S642 §	CONV	NA	1.2	NA
Brushvale	BS1512 GC	CONV	NA	1.4	NA
DF Seeds	DF 174 N §	CONV	R	1.7	DFender
DF Seeds	DF 187 N §	CONV	R	1.8	DFender
DF Seeds	EXP 1.7	CONV	NA	1.7	Untreated
DF Seeds	EXP 1.9	CONV	NA	1.9	Untreated
Grain Millers	GSP 17	CONV	S	1.7	F
Legacy	LS121-22C GC	CONV	NA	1.2	F,I
Legacy	LS151-24C §	CONV	NA	1.5	F,I
NK Brand	NK11-U2XF §	RXF	M	1.1	CMB-APX,SA
Pioneer	P11A50 §	CONV	R	1.1	Untreated
Pioneer	P15A20 §	CONV	R	1.5	Untreated
Pioneer	P18A82 §	CONV	R	1.8	Untreated
Puris	PS179 §	CONV	NA	1.7	NA
Richland IFC	MK0603 GC	CONV	S	0.6	NA
Richland IFC	MK808CN GC	CONV	M	0.8	NA
SB & B Foods	SB1270	CONV	S	1.2	Untreated
SB & B Foods	SB700	CONV	S	0.7	Untreated
SB & B Foods	SB712	CONV	M	1.2	Untreated
Sevita	ALINOVA	CONV	NA	1.5	F,I,NE
Sevita	HALDI	CONV	NA	1.5	F,I,NE
Stine	13EG23 §	E3	M	1.3	TFX1,SA
Thunder	TC1215N GC	CONV	NA	1.5	F
Viking Blue River	1223N	CONV	M	1.2	Untreated
Viking Blue River	15B5	CONV	MR	1.5	Untreated
Viking Blue River	1700N	CONV	M	1.7	Untreated
Viking Blue River	1718N	CONV	M	1.7	Untreated

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 Rating

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

Soybeans Technologies

CONV	Conventional
E3	Enlist E3®
RXF	XtendFlex®

Soybeans Seed Treatments*

NA	Not Available
ACi,IL	Acceleron® Standard Insecticide-Fungicide, ILeVO
CMB-APX,SA	CruiserMaxx® APX with Salto®
DFender	DFender (Legacy Seeds)
F	Fungicide
F,I	Fungicide, Insecticide
F,I,NE	Fungicide, Insecticide, Nematicide
TFX1,SA	Stine MyYield, Salto
Untreated	No seed treatment

* Seed treatments may include unspecified plant health promoting components.