

Test by: Southern MN FIRST New Richland, MN

2024 Soybeans Top 30 Harvest Report

Minnesota Central Conventional Specialty [MNCECV]
HECTOR, MN

Macik Family Partnership, Myron Macik, Renville County, MN

All-Season Test	Maturity Group 0.8 - 1.7 S2024MNCECV13
Top 29 of 29	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Laudis
SOIL DESCRIPTION:	Cosmos silty clay, mod. poorly drained, non-irrigated
SOIL CONDITION:	very high P, medium K, 7.5 pH, 4.4% OM, 26.0 CEC
TILLAGE/CULTIVATION:	Conventional W/ Fall Till
PEST MANAGEMENT:	Hand Weeded
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 17 140.0 /A 30" spacing
HARVESTED - STAND:	Oct 4 124.9 /A

TEST COMMENTS:

We planted in good conditions. Myron recorded 37" of rain here over the whole season. The plot was hand-weeded to avoid sprayer track issues. Crops matured quickly with the warm and dry September and early October temps. Myron told me they have seen soybean yields ranging from 37 to 59 bpa, depending on rain, tile drainage, and field conditions. This matches what most farmers are seeing this fall - the yields are highly variable. This plot site was clean of weeds, but plants were shorter than normal, and seed size was below average.

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	57.4	8.3	0	126.7	585	12
Legacy	LS151-24C § ↗	CONV	1.5	NA	55.8	7.9	0	122.0	764	1
Viking Blue River	15B5 ↗	CONV	1.5	MR	53.0	8.0	0	127.3	726	2
Pioneer	P18A82 § ↗	CONV	1.8	R	49.9	8.3	0	127.0	684	3
Viking Blue River	1718N ↗	CONV	1.7	M	48.7	7.9	0	127.0	667	4
DF Seeds	EXP 1.9 ↗	CONV	1.9	NA	47.7	9.0	5	127.0	653	5
DF Seeds	DF 187 N § ↗	CONV	1.8	R	47.3	8.8	0	124.0	648	6
Legacy	LS121-22C GC ↗	CONV	1.2	NA	47.2	7.9	0	123.7	647	7
NK Brand	NK11-U2XF § ↗	RXF	1.1	M	46.8	7.9	0	125.7	477	23
Viking Blue River	1700N ↗	CONV	1.7	M	46.5	7.7	0	119.3	637	8
Viking Blue River	1223N ↗	CONV	1.2	M	45.4	8.1	0	123.3	622	9
Sevita	ALINOVA ↗	CONV	1.5	NA	45.1	7.9	0	122.0	618	10
DF Seeds	DF 174 N § ↗	CONV	1.7	R	45.0	8.2	0	124.7	616	11
Pioneer	P15A20 § ↗	CONV	1.5	R	42.7	7.9	0	124.3	585	13
Thunder	TC1215N GC ↗	CONV	1.5	NA	42.4	8.2	0	120.3	581	14
Grain Millers	GSP 17 ↗	CONV	1.7	S	41.5	8.4	0	127.3	569	15
Brushvale	BS1512 GC ↗	CONV	1.4	NA	41.0	7.8	0	123.0	562	16
Brushvale	BS1146 § ↗	CONV	1.2	R	40.5	8.1	0	130.0	555	17
Stine	13EG23 § ↗	E3	1.3	M	40.4	8.0	5	125.3	412	26
Brushvale	BS12S642 § ↗	CONV	1.2	NA	38.9	8.1	0	127.0	533	18
Sevita	HALDI ↗	CONV	1.5	NA	37.7	8.1	0	125.7	516	19
Richland IFC	MK808CN GC ↗	CONV	0.8	M	37.7	8.9	0	123.7	516	20
Richland IFC	MK0603 GC ↗	CONV	0.6	S	35.8	8.2	0	126.7	490	21
Pioneer	P11A50 § ↗	CONV	1.1	R	35.6	7.9	0	124.7	488	22
SB & B Foods	SB1270 ↗	CONV	1.2	S	34.7	8.1	0	126.0	475	24
DF Seeds	EXP 1.7 ↗	CONV	1.7	NA	33.1	8.0	0	126.3	453	25
SB & B Foods	SB712 ↗	CONV	1.2	M	27.7	7.7	0	123.7	379	27
SB & B Foods	SB700 ↗	CONV	0.7	S	26.7	7.6	0	127.0	366	28
Puris	PS179 § ↗	CONV	1.7	NA	25.2	7.2	0	121.7	345	29

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Averages = **42.0** **8.1** **0** **124.9** **558**

LSD (0.10) = 4.2 0.4 ns

LSD (0.25) = 2.2 0.2 ns

C.V. = 9.3

Historic yield: 47.9 bu/a, 3 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 exceed the grain moisture limit for this test. **ns** = column values not significantly different. ↗ Links to full product yield results at www.firstseedtests.com

Additional reports available at www.firstseedtests.com

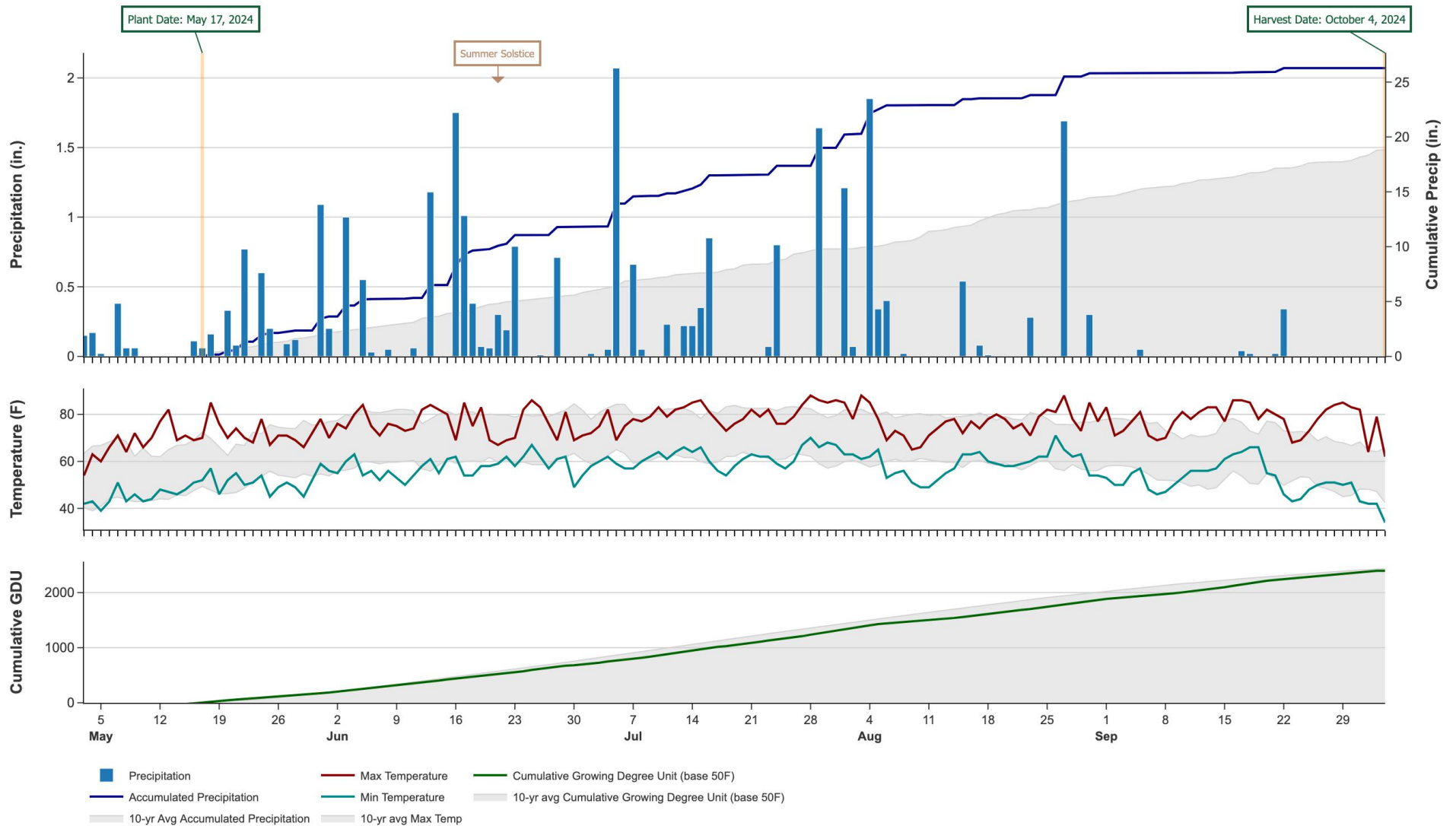
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Weather Conditions Summary at HECTOR, MN

Weather Data Retrieved: 10/05/2024

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) (Diff)	4.5 3.7 (+0.7)	8.3 3.6 (+4.8)	7.2 4.2 (+3.0)	6.8 4.8 (+2.0)	0.5 3.3 (-2.8)	0.0 1.0 (-1.0)	27.3 20.6 (+6.7)
GDU Avg (Diff)	310 291 (+18)	510 589 (-79)	633 663 (-30)	554 587 (-33)	488 392 (+95)	38 31 (+6)	2533 2556 (-23)



* 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.