

Test by: Southern MN FIRST New Richland, MN

2023 Soybeans Top 30 Harvest Report

Minnesota South Conventional Specialty [MNSOCV] NERSTRAND, MN

Wheeling Grain Partnership, Keith, Kurt and Brian Schrader, Rice County, MN 55053

All-Season Test	Maturity Group 1.4 - 2.3 S2023MNSOCV11
Top 30 of 36	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Surestart li, Laudis, Atrazine
SOIL DESCRIPTION:	Marquis silt loam, mod. well drained, non-irrigated
SOIL CONDITION:	medium P, high K, 6.3 pH, 2.8% OM, 15.6 CEC
TILLAGE/CULTIVATION:	Conventional W/ Fall Till
PEST MANAGEMENT:	Approach Prima @ R5
Applied N-P-K (units):	0-0-150
SEEDED - RATE - ROW:	May 22 130.0 /A 30" spacing
HARVESTED - STAND:	Oct 23 114.5 /A

TEST COMMENTS:

Soil conditions were great at seeding, and 4.5" of rain fell within a week of planting. Rainfall was 30% below the 10-year average during the season, but enough rain came for good yield potential. Hail hit this site on July 24th, stripping 40% of foliage. Some varieties recovered better than others. Plants were very short at harvest. With 4 days of rain on the way, I chose to harvest these beans a bit high in moisture. Non-GMO Food Grade varieties are shown with a premium of \$2.50 per bushel. Premiums can range from \$2 to \$6 over CBOT price, depending on quality traits.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Viking Blue River	2155N ↗	CONV	2.1	MR	53.3	13.5	0	116.3	812	1
Virtue	C3015 (2122) § ↗	CONV	2.1	NA	52.3	13.3	0	114.7	797	2
Stine	20EG02 § ↗	E3	2.0	R	50.0	13.5	0	114.3	637	9
Golden Harvest	GH1802E3 § ↗	E3	1.8	R	48.6	13.7	0	114.3	619	10
Viking Blue River	IAS19C3 ↗	CONV	2.1	MR	48.0	13.6	0	114.0	731	3
Sevita	SVX20T2S24 ↗	CONV	2.4	R	47.0	14.2	0	113.3	716	4
Golden Harvest	GH2292E3 § ↗	E3	2.2	MR	47.0	13.5	0	115.3	599	11
Brushvale	BS1940 § ↗	CONV	1.9	NA	46.6	13.3	0	114.7	710	5
DF Seeds	DF 187 N ↗	CONV	1.8	R	45.8	13.3	0	112.7	698	6
Pioneer	P19A37E § ↗	E3	1.9	NA	45.4	13.7	0	113.3	578	13
Asgrow	AG19XF3 § ↗	RXF	1.9	R	44.7	13.1	0	115.3	570	16
DF Seeds	DF 174 N ↗	CONV	1.7	R	44.1	14.5	0	116.0	671	7
Asgrow	AG18XF1 § ↗	RXF	1.8	R	43.5	13.3	0	115.3	554	20
Viking Blue River	1718N ↗	CONV	1.7	MR	41.9	13.4	0	114.0	639	8
Stine	19EG92 § ↗	E3	1.9	R	40.1	13.2	0	115.0	511	24
Asgrow	AG21XF2 § ↗	RXF	2.1	R	40.1	13.2	0	113.0	511	25
Stine	14EG32 § ↗	E3	1.4	R	38.9	13.6	0	115.0	496	27
Pioneer	P21A20 § ↗	CONV	2.1	R	38.9	14.2	0	113.7	592	12
Sevita	ROWAN ↗	CONV	2.0	R	37.9	13.7	0	117.3	577	14
Virtue	V1821 § ↗	CONV	1.8	NA	37.5	13.5	0	114.7	572	15
SB & B Foods	SB19 ↗	CONV	1.9	S	36.9	14.1	0	114.7	562	17
Sevita	CANDOR ↗	CONV	1.9	NA	36.7	14.7	0	114.7	558	18
Viking Blue River	2022N ↗	CONV	2.0	MR	36.5	12.8	0	116.0	557	19
DF Seeds	DF 193 F ↗	CONV	1.9	R	34.5	13.4	0	115.3	526	21
MNCIA	M07-297007HOLL-4 ↗	CONV	1.7	NA	33.7	14.0	0	114.0	513	22
Grain Millers	GSP 17 ↗	CONV	1.7	S	33.7	14.5	0	113.7	513	23
Pioneer	P15A20 § ↗	CONV	1.5	R	33.3	14.2	0	114.7	507	26
Grain Millers	GSP 1.5 EXP ↗	CONV	1.5	R	30.6	13.1	0	113.3	467	28
MNCIA	M07-297007HOLL-1 ↗	CONV	1.9	NA	29.8	14.4	0	114.3	454	29
Sevita	ALINOVA ↗	CONV	1.5	R	28.3	13.3	0	112.7	431	30



Mark Querna

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

Averages = **38.2** **13.7** **114.5** **554**

LSD (0.10) = 4.3 0.6 ns

LSD (0.25) = 2.2 0.3 ns

C.V. = 10.6

Historic yield: 67.22 bu/a, 6 yr(s)

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.0 Drying = \$0.02 Prices: GMO = \$12.75; non-GMO = \$15.25

Report Date: 10/24/2023

† 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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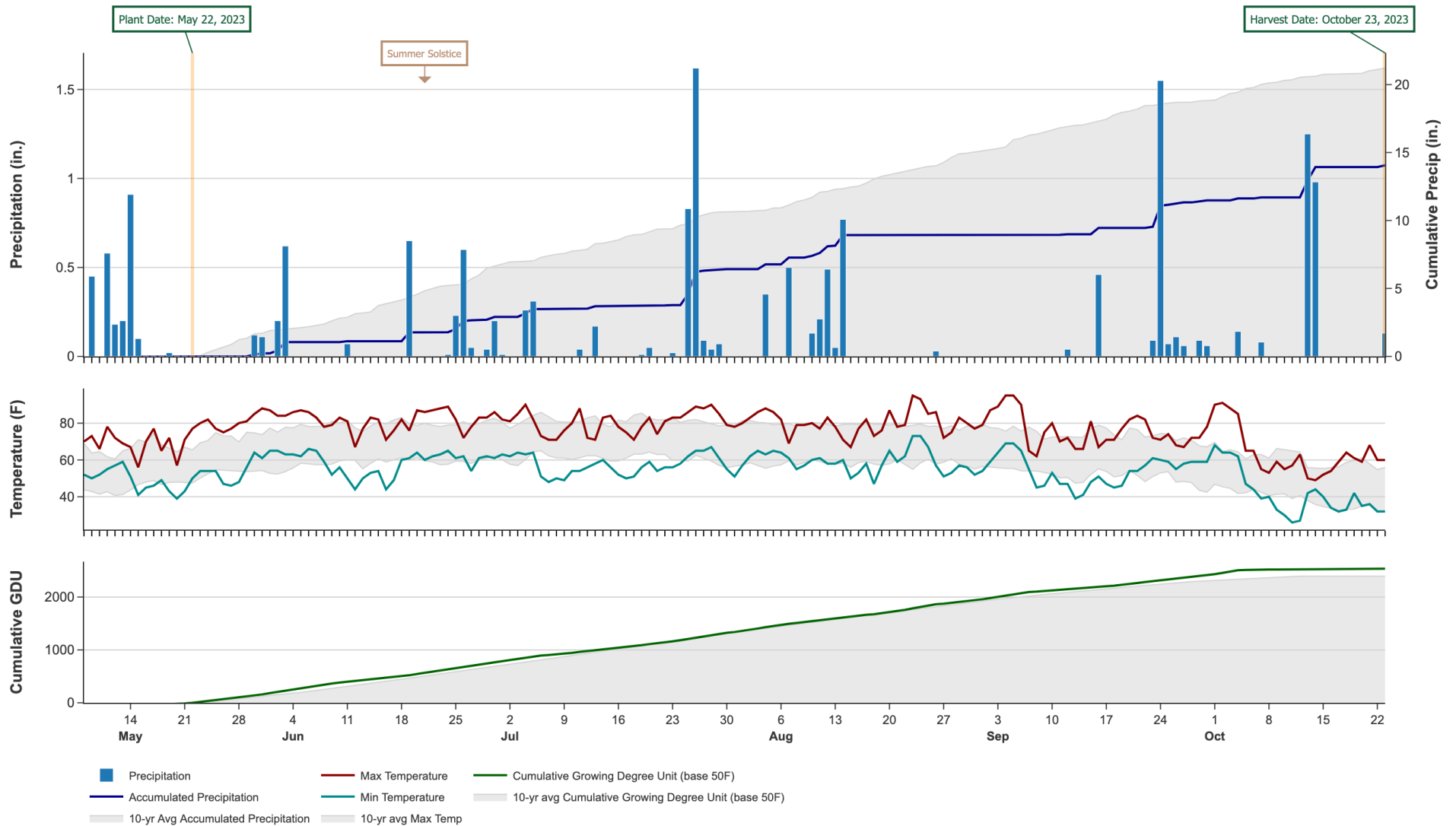
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Weather Conditions Summary at NERSTRAND, MN

Weather Data Retrieved: 10/24/2023

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) (Diff)	2.7 4.5 (-1.8)	2.7 5.0 (-2.3)	3.5 4.0 (-0.5)	2.5 4.4 (-1.9)	2.5 3.8 (-1.2)	2.6 2.4 (+0.2)	16.5 24.0 (-7.5)
GDU Avg (Diff)	310 241 (+68)	606 563 (+42)	574 652 (-78)	603 575 (+27)	464 399 (+64)	130 86 (+43)	2687 2518 (+168)



* 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 (36 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Asgrow	AG18XF1 §	RXF	R	1.8	ACi,IL
Asgrow	AG19XF3 §	RXF	R	1.9	ACi,IL
Asgrow	AG21XF2 §	RXF	R	2.1	ACi,IL
Brushvale	BS1146 GC	CONV	R	1.2	NA
Brushvale	BS1512 §	CONV	NA	1.4	NA
Brushvale	BS1940 §	CONV	NA	1.9	NA
DF Seeds	DF 174 N	CONV	R	1.7	DFender
DF Seeds	DF 187 N	CONV	R	1.8	DFender
DF Seeds	DF 193 F	CONV	R	1.9	DFender
Golden Harvest	GH1802E3 §	E3	R	1.8	CMB-APX,SA
Golden Harvest	GH2292E3 §	E3	MR	2.2	CMB-APX,SA
Grain Millers	GSP 1.5 EXP	CONV	R	1.5	Untreated
Grain Millers	GSP 17	CONV	S	1.7	Untreated
MNCIA	M07-297007HOLL-1	CONV	NA	1.9	NA
MNCIA	M07-297007HOLL-4	CONV	NA	1.7	NA
MNCIA	M10-238-2036 (MN1510HO)	CONV	NA	1.5	Treated
Pioneer	P11A50 §	CONV	R	1.1	Lum, LumT, IL
Pioneer	P15A20 §	CONV	R	1.5	Untreated
Pioneer	P19A37E §	E3	NA	1.9	Lum
Pioneer	P21A20 §	CONV	R	2.1	Lum, LumT, IL
SB & B Foods	SB19	CONV	S	1.9	Untreated
Sevita	ALINOVA	CONV	R	1.5	F,I,SA
Sevita	CANDOR	CONV	NA	1.9	F,I,SA
Sevita	ODESSA	CONV	S	1.1	F,I,SA
Sevita	ROWAN	CONV	R	2.0	F,I,SA
Sevita	SVX20T2S24	CONV	R	2.4	F,I,SA
Stine	14EG32 §	E3	R	1.4	ACi
Stine	19EG92 §	E3	R	1.9	ACi
Stine	20EG02 §	E3	R	2.0	ACi
Viking Blue River	1700N	CONV	NA	1.7	Untreated
Viking Blue River	1718N	CONV	MR	1.7	Untreated
Viking Blue River	2022N	CONV	MR	2.0	Untreated
Viking Blue River	2155N	CONV	MR	2.1	Untreated
Viking Blue River	IAS19C3	CONV	MR	2.1	Untreated
Virtue	C3015 (2122) §	CONV	NA	2.1	NA
Virtue	V1821 §	CONV	NA	1.8	NA

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	Acceleron® Standard Insecticide-Fungicide
ACi,IL	Acceleron® Standard Insecticide-Fungicide, ILeVO
CMB-APX,SA	CruiserMaxx® APX with Saltro®
DFender	DFender (Legacy Seeds)
F,I,SA	Fungicide, Insecticide, Saltro®
Lum	LumiGEN™
Lum, LumT, IL	LumiGEN™, LumiTreo, ILEVO
Treated	Treated, unspecified
Untreated	No seed treatment

* Seed treatments may include unspecified plant health promoting components.