

Test by: Southern MN FIRST New Richland, MN

2023 Soybeans Top 30 Harvest Report

Minnesota Central Conventional Specialty [MNCECV]
LAFAYETTE WEST, MN

Jon Thoreson, Nicollet County, MN

All-Season Test	Maturity Group 0.8 - 1.7 S2023MNCECV16
Top 30 of 36	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Tripleflex, Laudis
SOIL DESCRIPTION:	Harps clay loam, mod. poorly drained, non-irrigated
SOIL CONDITION:	very low P, low K, 8.2 pH, 6.5% OM, 27.3 CEC
TILLAGE/CULTIVATION:	Conventional W/ Fall Till
PEST MANAGEMENT:	Authority First, Phoenix, Fusilade, Warrant
FERTILITY - Applied N:	33 Spring, Sulfur, Zinc, Copper & Manganese
Applied N-P-K (units):	33-156-136
SEEDED - RATE - ROW:	May 31 140.0 /A 30" spacing
HARVESTED - STAND:	Oct 21 93.4 /A

TEST COMMENTS:

Planting was delayed here due to 5.5" rain from 5/11-5/15, at a location 5 miles west of the other Lafayette test. Then it was very dry through June. Pre- and post-emerge herbicides were not effective at this site, as the hot, dry weather allowed grass and broadleaves to take over many plots. There was also evidence of many plots exhibiting severe Iron Chlorosis. Rainfall was below average all season, but enough rain fell in July and August to increase yields here. Non-GMO food grade varieties are shown with a yield premium of \$2.50 per bu. Premiums can range from \$2 to over \$6 per bu over the CBOT prices, depending on quality traits. The results were rejected due to high yield variance.

Company/Brand	Product/Brand	Yield †	Mo	Shr	Yield	Moisture	Lodging	Stand	Gross Income	Rank
		bu	%	%	bu	%	%	in 1000	\$/acre	
Stine	V18E22 g +	83	1.7	R	87.8	12.3	0	128.0	727	3
Planor	P18A20 g +	CONV	1.8	R	86.1	11.3	0	113.0	740	1
Stine	S18E2718E2 +	CONV	1.8	R	86.8	11.7	0	110.7	741	2
Planor	P18A20 g +	CONV	18.0	R	86.1	11.7	0	110.0	750	4
Golden Harvest	GH13200F g +	RFP	1.3	R	83.8	11.7	0	96.0	598	10
Planor	P18A20 g +	CONV	1.1	R	82.8	11.7	0	100.0	690	6
Stine	S18E20A +	CONV	1.4	R	81.3	11.1	0	93.0	633	9
Gran Millers	GM133E2P +	CONV	1.8	R	81.2	11.1	0	112.7	625	7
Agrium	AG18A73 g +	RFP	1.8	R	81.2	11.8	0	95.7	618	14
Stine	ALND0A +	CONV	1.8	R	80.0	11.1	0	98.3	598	8
Stine	FINCH +	CONV	0.9	R	77.4	11.1	0	123.0	570	9
Agrium	AG18A73 g +	RFP	1.8	R	77.3	11.8	0	96.3	476	20
Stine	V18E22 g +	83	1.7	R	86.8	11.8	0	113.0	467	21
Stine	V18E22 g +	83	1.7	R	86.4	11.8	0	102.0	461	24
Stine	V18E21 g +	83	1.7	R	86.8	11.8	0	91.0	532	11
Wing / Blue River	1718N +	CONV	1.7	NR	84.8	11.8	0	98.0	521	12
DF Seeds	DF EX20C1 01 +	CONV	1.8	R	84.3	12.0	0	94.0	526	13
DF Seeds	DF 120 +	CONV	1.2	R	84.0	11.3	0	91.0	518	16
Broadleaf	B01148 g +	CONV	1.2	R	83.8	11.8	0	96.0	517	15
Wing / Blue River	1700N +	CONV	1.7	NR	83.8	11.8	0	89.0	512	17
Stine	CR330A +	CONV	1.1	R	83.8	11.4	0	101.0	511	18
Gran Millers	GM133E17 +	CONV	1.7	R	82.8	12.1	0	104.0	502	19
Golden Harvest	GH1300E2 g +	83	0.8	R	82.4	12.4	0	76.0	413	27
DF Seeds	DF EX20C1 02 +	CONV	1.8	R	80.4	11.8	0	98.7	484	22
SB & B Foods	SB40 +	CONV	0.4	R	80.1	12.0	0	91.0	498	23
SB & B Foods	SB10 +	CONV	1.8	R	80.0	11.2	0	94.0	441	25
Wing / Blue River	1200N +	CONV	1.2	NR	80.4	11.7	0	96.0	433	26
Agrium	AG18A73 g +	RFP	0.8	R	80.3	11.8	0	71.3	361	29
Stine	PROGRESSOR SHYLINE +	CONV	1.1	R	79.8	10.8	0	85.0	384	28
FINCH	FINCH-208-208 (MNH18A73) GC +	CONV	1.8	NR	79.8	11.8	0	94.3	358	30

REJECTED

Averages =	34.5	11.7	0	93.4	490
LSD (0.10) =	11.7	0.4	ns		
LSD (0.25) =	6.1	0.2	ns		
C.V. =	31.9			Historic yield: 54.34 bu/a, 1 yr(s)	

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

Report Date: 10/22/2023

† 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

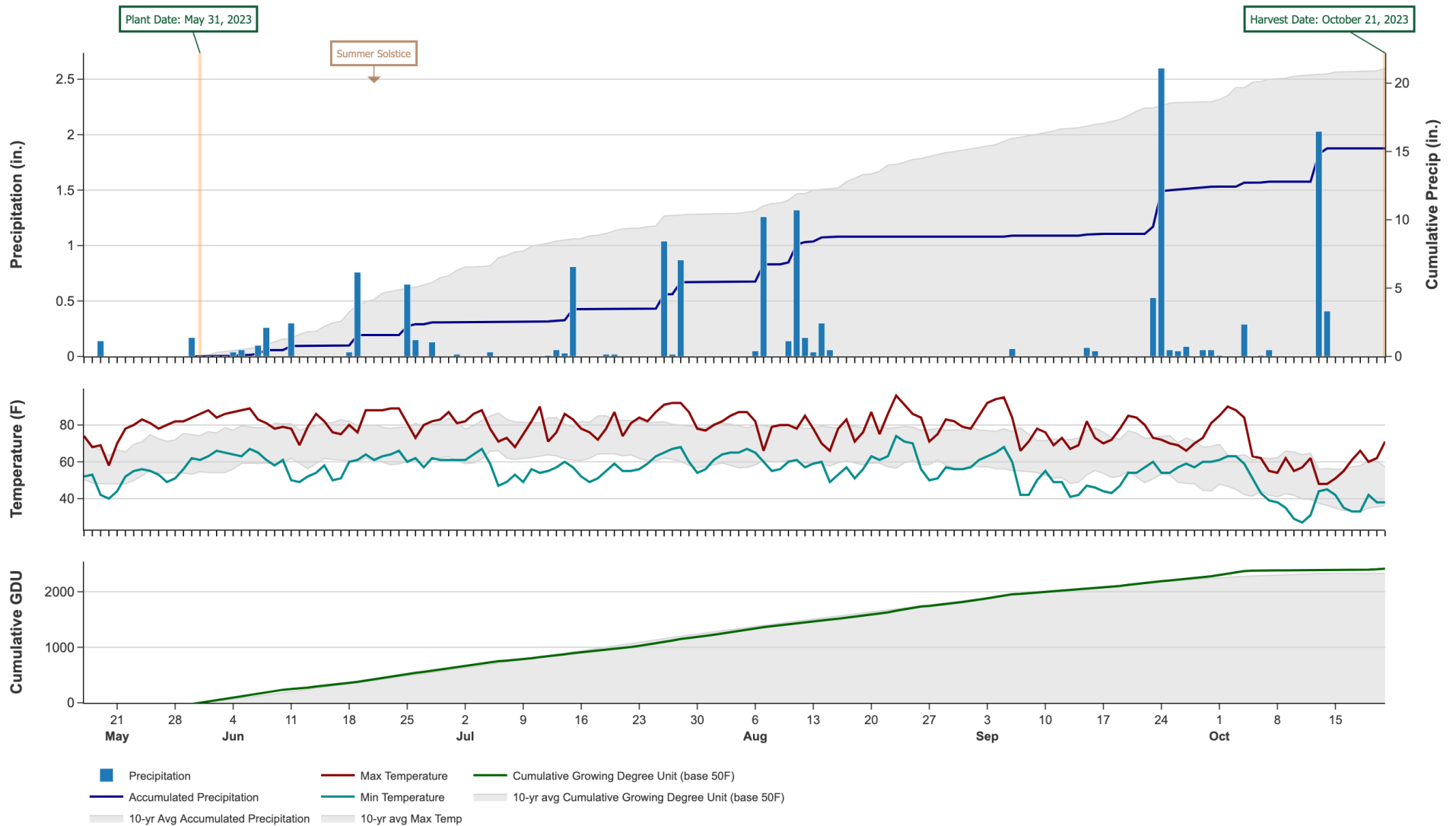
Additional reports available at www.firstseedtests.com

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Weather Conditions Summary at LAFAYETTE WEST, MN

Weather Data Retrieved: 10/22/2023

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) (Diff)	0.3 3.1 (-2.8)	2.5 5.9 (-3.4)	2.9 4.5 (-1.6)	3.3 4.7 (-1.4)	3.6 3.5 (+0.1)	2.8 2.5 (+0.4)	15.5 24.2 (-8.6)
GDU Avg (Diff)	226 169 (+56)	626 583 (+42)	580 673 (-93)	610 584 (+25)	464 406 (+57)	136 83 (+52)	2642 2501 (+140)



* 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	AG09XF3 §	RXF	R	0.9	ACi,IL
Asgrow	AG15XF2 §	RXF	R	1.5	ACi,IL
Asgrow	AG16XF3 §	RXF	R	1.6	ACi,IL
Brushvale	BS1146 §	CONV	R	1.2	NA
Brushvale	BS1512 §	CONV	NA	1.4	NA
DF Seeds	DF 123	CONV	S	1.2	DFender
DF Seeds	DF EX23C1.01	CONV	S	1.0	DFender
DF Seeds	DF EX23C1.02	CONV	S	1.0	DFender
Golden Harvest	GH0933E3 §	E3	R	0.9	CMB-APX,SA
Golden Harvest	GH1323XF §	RXF	R	1.3	CMB-APX,SA
Grain Millers	GSP 1.5 EXP	CONV	R	1.5	Untreated
Grain Millers	GSP 17	CONV	S	1.7	Untreated
MNCIA	M10-238-2036 (MN1510HO) GC	CONV	NA	1.5	Treated
Pioneer	P11A50 §	CONV	R	1.1	Lum, LumT, IL
Pioneer	P11T36E §	E3	NA	1.1	Lum, LumT, IL
Pioneer	P15A20 §	CONV	R	1.5	Untreated
Pioneer	P18A82 §	CONV	R	18.0	Lum, LumT, IL
SB & B Foods	SB1270	CONV	S	1.2	Untreated
SB & B Foods	SB19	CONV	S	1.9	Untreated
SB & B Foods	SB49	CONV	R	0.4	Untreated
SB & B Foods	SB700	CONV	S	0.7	Untreated
Sevita	ALINOVA	CONV	R	1.5	F,I,SA
Sevita	BARTON	CONV	R	1.4	F,I,SA
Sevita	FINCH	CONV	S	0.9	F,I,SA
Sevita	ODESSA	CONV	S	1.1	F,I,SA
Sevita	PROSEEDS SKYLINE	CONV	R	1.1	ViT,Va,Sa
Sevita	SVX23T1S62	CONV	R	1.5	F,I,SA
Stine	08EG62 §	E3	R	0.8	ACi
Stine	10EF23 §	E3	R	1.0	NA
Stine	14EG32 §	E3	R	1.4	ACi
Stine	17EE32 §	E3	R	1.7	ACi
Viking Blue River	0821N	CONV	MR	0.8	Untreated
Viking Blue River	1223N	CONV	MR	1.2	Untreated
Viking Blue River	1700N	CONV	NA	1.7	Untreated
Viking Blue River	1718N	CONV	MR	1.7	Untreated
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, LumT, IL	LumiGEN™, LumiTreo, ILEVO
Treated	Treated, unspecified
Untreated	No seed treatment
ViT,Va,Sa	Vibrance® Trio, Vayantis, Saltro

* Seed treatments may include unspecified plant health promoting components.