

Test by: Southern MN FIRST New Richland, MN

2022 Soybeans Top 30 Harvest Report

Minnesota South Conventional Specialty [MNSOCV]

LAFAYETTE, MN

Jon Thoreson, Nicollet County, MN

All-Season Test

Maturity Group 1.4 - 2.3
S2022MNSOCV10

Top 24 of 24

For Gross Income
(Sorted by Yield)
Average of (3) Replications

PREV. CROP/HERB:

Corn / Tripleflex, Laudis

SOIL DESCRIPTION:

Clarion loam, mod. well drained,
non-irrigated

SOIL CONDITION:

very high P, very high K, 6.4 pH,
4.1% OM, 21.3 CEC

TILLAGE/CULTIVATION:

Conventional W/ Fall Till

PEST MANAGEMENT:

Authority First, Warrant, Flexstar,
Fusilade

FERTILITY - Applied N:

10# Sulfur, 10# Zinc

Applied N-P-K (units):

0-207-276

SEEDED - RATE - ROW:

May 21 140.0 /A 30" spacing

HARVESTED - STAND:

Oct 13 126.4 /A

TEST COMMENTS:

Jon reports that it was "a very dry season". His recorded rainfall amounts are: April 0.25"; May 2.6"; June 0"; July 4.35"; Aug 0.75"; and Sept 0", for a total of 7.95" from Apr 1 to Oct 1. The dry weather caused his pre- and post-emergence herbicides to struggle, but the site only had one plot with grass pressure. He also reported that beans he planted in mid-May started poorly, while beans he planted later emerged well. The food-grade price premium is shown as \$2.60 over the conventional price. Talk to your seed representative to determine premiums specific to protein content.

Report Date: 10/14/2022

Additional reports available at www.firstseedtests.com

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Public - Iowa State	IAS19C3 ↗	CONV	1.9	MR	64.9	11.6	0	127.3	1080	1
Asgrow	AG18XF1 GC ↗	RXF	1.8	R	64.3	11.3	0	127.0	903	10
Stine	14EE02 GC ↗	E3	1.4	R	61.9	11.5	0	127.0	869	16
Legacy	LS231-21C ↗	CONV	2.3	R	61.3	11.6	0	126.0	1020	2
Viking	2022N ↗	CONV	2.0	MR	61.2	10.5	0	126.7	1018	3
Viking	1718N ↗	CONV	1.7	MR	60.9	11.7	0	126.0	1013	4
Legacy	LS187-21C ↗	CONV	1.8	R	58.3	11.7	0	126.3	970	5
Pioneer	P18A73E GC ↗	E3	1.8	NA	57.9	11.0	0	126.0	813	18
Viking	V1821 ↗	CONV	1.8	MR	57.7	11.0	0	126.3	960	6
Viking	2155N ↗	CONV	2.1	MR	55.8	10.4	0	127.7	929	7
Viking	1518N ↗	CONV	1.5	MR	55.4	11.7	0	125.3	922	8
Brushvale Seed	BS4977 GC ↗	CONV	1.7	NA	54.9	11.1	0	127.0	914	9
Pioneer	P21A20 ↗	CONV	2.1	R	53.7	11.5	0	125.7	894	11
Viking	1700N GC ↗	CONV	1.7	NA	53.5	10.0	0	125.7	890	12
Pioneer	P11A50 ↗	CONV	1.1	R	52.8	11.8	0	124.0	879	13
Pioneer	P15A20 ↗	CONV	1.5	R	52.6	11.4	0	125.3	875	14
SB & B Foods	SB712 GC ↗	CONV	1.2	R	52.3	11.2	0	126.3	870	15
Brushvale Seed	BS1146 GC ↗	CONV	1.2	R	49.3	11.6	0	125.0	820	17
Legacy	LS155-21C GC ↗	CONV	2.5	NA	47.9	10.4	0	127.0	797	19
SB & B Foods	SB19 GC ↗	CONV	1.9	NA	47.4	11.6	0	129.0	789	20
Legend	2180HP GC ↗	CONV	2.1	MR	45.9	10.9	0	126.0	764	21
Grain Millers	GSP 17 ↗	CONV	1.7	S	45.5	10.3	0	127.3	757	22
Grain Millers	GSP 23 ↗	CONV	2.0	S	44.7	10.9	0	125.3	744	23
Legacy	LSX121-23C GC ↗	CONV	1.2	NA	43.9	11.4	0	127.7	730	24

Mark Querna

Mark Querna

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Averages = **54.3** **11.2** **126.4** **884**

LSD (0.10) = 3.0 0.3 ns

LSD (0.25) = 1.6 0.1 ns

C.V. = 5.3

Historic yield: new site

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.03 Prices: GMO = \$14.04; non-GMO = \$16.64

† 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

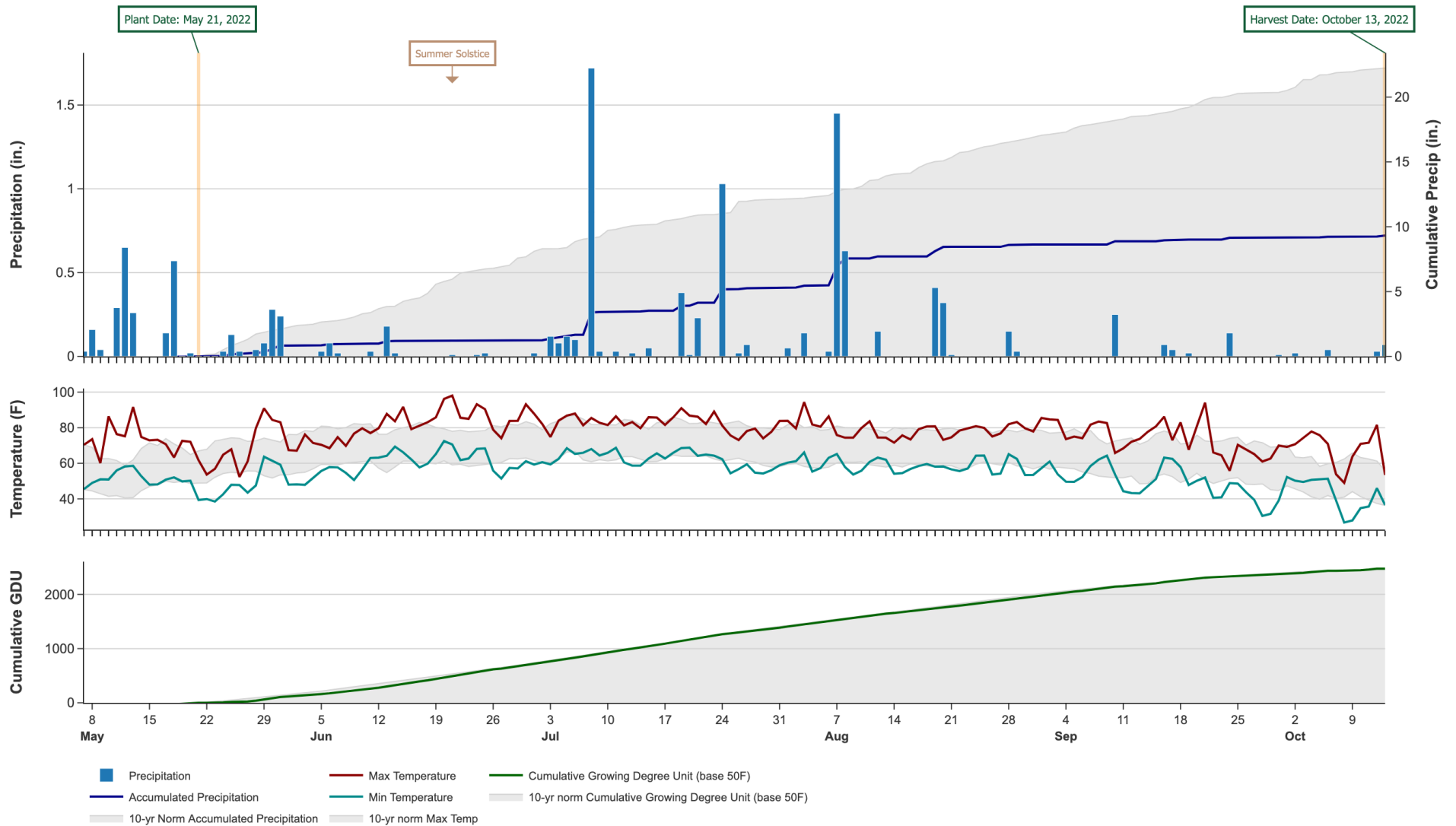
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Weather Conditions Summary at LAFAYETTE, MN

Weather Data Retrieved: 10/14/2022

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) Normal (Diff)	3.0 4.5 (-1.5)	0.4 5.6 (-5.2)	4.0 4.4 (-0.4)	3.4 4.8 (-1.4)	0.5 3.5 (-2.9)	0.2 1.9 (-1.7)	11.5 24.6 (-13.1)
GDU Normal (Diff)	292 252 (+39)	589 585 (+3)	690 691 (-1)	580 592 (-12)	400 399 (0)	109 67 (+41)	2660 2588 (+71)



* 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 (24 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Asgrow	AG18XF1 GC	RXF	R	1.8	ACi,IL
Brushvale Seed	BS1146 GC	CONV	R	1.2	NA
Brushvale Seed	BS4977 GC	CONV	NA	1.7	NA
Grain Millers	GSP 17	CONV	S	1.7	Untreated
Grain Millers	GSP 23	CONV	S	2.0	Untreated
Legacy	LS155-21C GC	CONV	NA	2.5	DFender
Legacy	LS187-21C	CONV	R	1.8	DFender
Legacy	LS231-21C	CONV	R	2.3	DFender
Legacy	LSX121-23C GC	CONV	NA	1.2	Untreated
Legend	2180HP GC	CONV	MR	2.1	NA
Pioneer	P11A50	CONV	R	1.1	Untreated
Pioneer	P15A20	CONV	R	1.5	Untreated
Pioneer	P18A73E GC	E3	NA	1.8	Untreated
Pioneer	P21A20	CONV	R	2.1	Lum,Lu,IL
Public - Iowa State	IAS19C3	CONV	MR	1.9	AC,PV
SB & B Foods	SB19 GC	CONV	NA	1.9	NA
SB & B Foods	SB712 GC	CONV	R	1.2	NA
Stine	14EE02 GC	E3	R	1.4	SFI
Viking	1518N	CONV	MR	1.5	NA
Viking	1700N GC	CONV	NA	1.7	Treated
Viking	1718N	CONV	MR	1.7	NA
Viking	2022N	CONV	MR	2.0	NA
Viking	2155N	CONV	MR	2.1	NA
Viking	V1821	CONV	MR	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	Roundup Ready 2 XtendFlex®

Soybeans Seed Treatments*

NA	Not Available
ACi,IL	Acceleron® Standard Insecticide-Fungicide, ILeVO
AC,PV	Acceleron® Basic, Poncho/Votivo
DFender	DFender (Legacy Seeds)
Lum,Lu,IL	LumiGEN™, Lumisena™, ILeVO
SFI	Stine XP F&I
Treated	Treated, unspecified
Untreated	No seed treatment

* Seed treatments may include unspecified plant health promoting components.