

Test by: Southern MN FIRST New Richland, MN

2023 Soybeans Top 30 Harvest Report

Minnesota Central Conventional Specialty [MNCECV]
LAFAYETTE, MN

Jon Thoreson, Nicollet County, MN

All-Season Test

Maturity Group **0.8 - 1.7**
S2023MNCECV13

Top 30 of 36

For Gross Income
(Sorted by Yield)
Average of (2) Replications

PREV. CROP/HERB:

Corn / Tripleflex, Laudis

SOIL DESCRIPTION:

Canisteo-Glencoe Complex clay loam, mod. poorly drained, non-irrigated

SOIL CONDITION:

low P, medium K, 7.8 pH, 4.6% OM, 24.9 CEC

TILLAGE/CULTIVATION:

Conventional W/ Fall Till

PEST MANAGEMENT:

Authority First, Phoenix, Fusilade, Warrant

FERTILITY - Applied N:

Sulfur, Zinc, Copper & Manganese

Applied N-P-K (units):

0-0-0

SEEDED - RATE - ROW:

May 31 140.0 /A 30" spacing

HARVESTED - STAND:

Oct 21 125.3 /A

TEST COMMENTS:

Planting was delayed here due to 5.5" rain from 5/11-5/15. Then it was very dry through June. Pre- and post-emerge herbicides were mostly effective at this site, as the hot, dry weather through June also caused uneven emergence of some plots. 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. One replicate of the test was removed because of yield variability from weed pressure.

| Company/Brand | Product/Brand | Technol.† | RM | SCN Resist. | Yield Bu/A ↓ | Moisture % | Lodging % | Stand (x 1000) | Gross Income \$/Acre | Rank |
|---------------------|------------------------------|-----------|------|-------------|--------------|------------|-----------|----------------|----------------------|------|
| Golden Harvest | GH1323XF § ↗ | RXF | 1.3 | R | 69.2 | 10.8 | 1 | 124.5 | 882 | 9 |
| Stine | 17EE32 § ↗ | E3 | 1.7 | R | 69.1 | 11.3 | 0 | 126.0 | 881 | 10 |
| Virtue | V1821 § ↗ | CONV | 1.8 | NA | 68.7 | 11.4 | 0 | 126.0 | 1048 | 1 |
| Viking Blue River | 1718N ↗ | CONV | 1.7 | MR | 66.9 | 11.4 | 0 | 125.0 | 1020 | 2 |
| Asgrow | AG16XF3 § ↗ | RXF | 1.6 | R | 64.4 | 11.1 | 0 | 126.0 | 820 | 14 |
| Golden Harvest | GH0933E3 § ↗ | E3 | 0.9 | R | 61.4 | 11.4 | 0 | 126.0 | 783 | 18 |
| Viking Blue River | 0821N ↗ | CONV | 0.8 | MR | 61.0 | 10.8 | 2 | 125.5 | 930 | 3 |
| Stine | 10EF23 § ↗ | E3 | 1.0 | R | 61.0 | 11.1 | 0 | 126.0 | 778 | 20 |
| Sevita | FINCH ↗ | CONV | 0.9 | S | 60.3 | 11.1 | 0 | 126.0 | 920 | 4 |
| Sevita | BARTON ↗ | CONV | 1.4 | R | 60.3 | 10.9 | 0 | 125.5 | 918 | 5 |
| Brushvale | BS1512 § ↗ | CONV | 1.4 | NA | 59.2 | 11.2 | 5 | 126.0 | 903 | 6 |
| Grain Millers | GSP 1.5 EXP ↗ | CONV | 1.5 | R | 58.9 | 10.7 | 0 | 125.0 | 898 | 7 |
| Viking Blue River | 1223N ↗ | CONV | 1.2 | MR | 58.8 | 11.4 | 0 | 126.5 | 897 | 8 |
| Stine | 14EG32 § ↗ | E3 | 1.4 | R | 58.7 | 10.7 | 0 | 126.0 | 747 | 23 |
| Pioneer | P18A82 § ↗ | CONV | 18.0 | R | 57.8 | 11.0 | 0 | 126.5 | 881 | 11 |
| Stine | 08EG62 § ↗ | E3 | 0.8 | R | 56.6 | 10.3 | 0 | 128.0 | 720 | 26 |
| Pioneer | P11A50 § ↗ | CONV | 1.1 | R | 55.6 | 10.9 | 0 | 126.0 | 848 | 12 |
| SB & B Foods | SB700 ↗ | CONV | 0.7 | S | 55.3 | 11.3 | 5 | 124.0 | 843 | 13 |
| Pioneer | P11T36E § ↗ | E3 | 1.1 | NA | 54.0 | 10.6 | 0 | 123.5 | 688 | 29 |
| Asgrow | AG15XF2 § ↗ | RXF | 1.5 | R | 52.4 | 11.3 | 0 | 124.0 | 668 | 30 |
| DF Seeds | DF EX23C1.02 ↗ | CONV | 1.0 | S | 52.2 | 11.2 | 8 | 124.5 | 796 | 15 |
| Viking Blue River | 1700N ↗ | CONV | 1.7 | NA | 52.1 | 9.9 | 0 | 129.5 | 795 | 16 |
| Brushvale | BS1146 § ↗ | CONV | 1.2 | R | 51.5 | 11.0 | 0 | 126.5 | 785 | 17 |
| Sevita | SVX23T1S62 ↗ | CONV | 1.5 | R | 51.1 | 11.2 | 0 | 126.5 | 779 | 19 |
| Sevita | ALINOVA ↗ | CONV | 1.5 | R | 50.2 | 11.3 | 0 | 125.0 | 764 | 21 |
| DF Seeds | DF 123 ↗ | CONV | 1.2 | S | 49.8 | 11.0 | 0 | 125.5 | 759 | 22 |
| Sevita | ODESSA ↗ | CONV | 1.1 | S | 48.0 | 10.8 | 2 | 124.0 | 732 | 24 |
| SB & B Foods | SB49 ↗ | CONV | 0.4 | R | 47.8 | 11.0 | 0 | 126.0 | 729 | 25 |
| Sevita | PROSEEDS SKYLINE ↗ | CONV | 1.1 | R | 45.9 | 10.5 | 2 | 124.0 | 700 | 27 |
| MNCIA | M10-238-2036 (MN1510HO) GC ↗ | CONV | 1.5 | NA | 45.2 | 10.8 | 0 | 121.5 | 689 | 28 |

Averages = **54.4** **11.0** **1** **125.3** **788**

LSD (0.10) = 9.3 ns ns

LSD (0.25) = 4.8 ns ns

C.V. = 13.1

Historic yield: 54.34 bu/a, 1 yr(s)

Mark Querna

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

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

©2023, All rights reserved to Farmers' Independent Research of Seed Technologies, LLC.

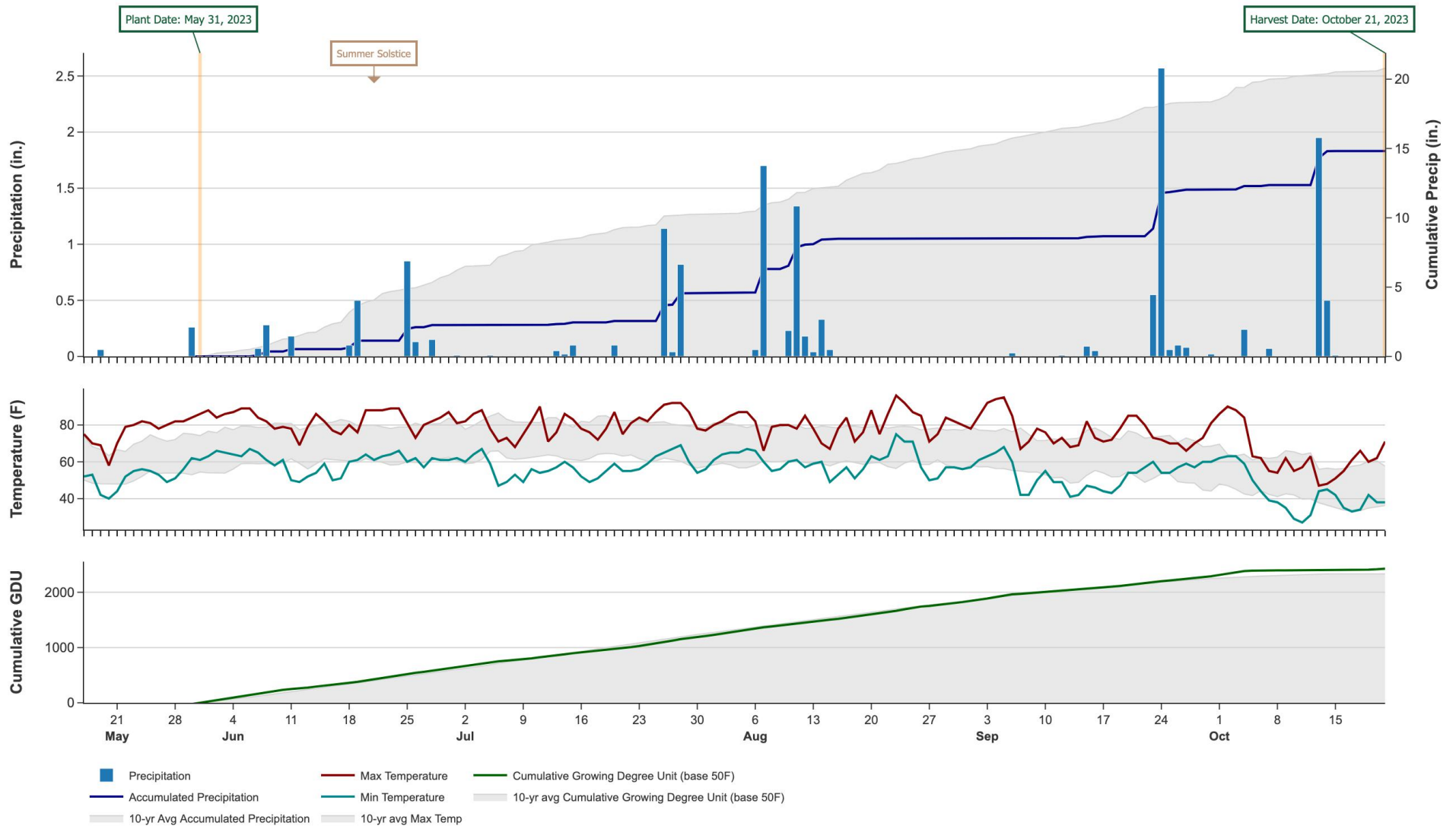
Additional reports available at www.firstseedtests.com

2023 Soybeans - Minnesota Central Conventional Specialty [MNCECV]

Weather Conditions Summary at LAFAYETTE, MN

Weather Data Retrieved: 10/22/2023

| Monthly Total | May* | Jun | Jul | Aug | Sep | Oct* | Total |
|----------------------|------------------|------------------|------------------|------------------|------------------|------------------|--------------------|
| Precip (in) (Diff) | 0.3 3.1 (-2.7) | 2.3 5.9 (-3.6) | 2.3 4.4 (-2.1) | 3.9 4.7 (-0.7) | 3.6 3.5 (+0.1) | 2.8 2.4 (+0.4) | 15.1 23.9 (-8.7) |
| GDU Avg (Diff) | 227 170 (+56) | 628 582 (+45) | 580 672 (-92) | 615 586 (+28) | 467 407 (+59) | 136 84 (+51) | 2653 2504 (+148) |



* 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.

2023 Soybeans - Minnesota Central Conventional Specialty [MNCECV]

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.