

Test by: Southern MN FIRST New Richland, MN

## 2024 Soybeans Top 30 Harvest Report

Minnesota South [MNSO] LAMBERTON, MN  
Ed Iverson, Redwood County, MN 56152

|                               |   |
|-------------------------------|---|
| <b>All-Season Test</b>        | Maturity Group 1.6 - 2.3<br>S2024MNSO04   |
| <b>Top 30 of 48</b>           | For Gross Income<br>(Sorted by Yield)<br>Average of (3) Replications              |
| <b>PREV. CROP/HERB:</b>       | Corn / Harness, Accent, Atrazine<br>Callisto                                      |
| <b>SOIL DESCRIPTION:</b>      | North Twin-Walnut Grove<br>Complex clay loam, mod. well<br>drained, non-irrigated |
| <b>SOIL CONDITION:</b>        | high P, high K, 6.0 pH, 3.9%<br>OM, 21.9 CEC                                      |
| <b>TILLAGE/CULTIVATION:</b>   | Conventional W/ Fall Till   |
| <b>PEST MANAGEMENT:</b>       | Prowl, Flexstar Cleanse 2ec   |
| <b>Applied N-P-K (units):</b> | 0-0-0   |
| <b>SEDED - RATE - ROW:</b>    | Jun 11 140.0 /A 30" spacing   |
| <b>HARVESTED - STAND:</b>     | Oct 11 120.0 /A   |

### TEST COMMENTS:

*Excessive rains fell here from mid-April through July. Soil conditions were fit at this late planting date, but by no means excellent. Varieties were slow to grow due to saturated soil conditions. Very little rain fell from early August through mid-October. Soybean roots appeared to run out of steam by late season. Ed pointed out that a lot of his soybean yields are below average this year, which matches the story of most farmers across southern MN, especially in southwest MN. Slightly higher ground than the nearby conventional test appeared to favor this test's yields.*

| Company/Brand  | Product/Brand | Technol.† | RM  | SCN Resist. | Yield Bu/A ↓ | Moisture % | Lodging % | Stand (x 1000) | Gross Income \$/Acre | Rank |
|----------------|---------------|-----------|-----|-------------|--------------|------------|-----------|----------------|----------------------|------|
| Golden Harvest | GH2292E3 § ↗  | E3        | 2.2 | M           | <b>44.0</b>  | 7.7        | 0         | 121.3          | 449                  | 1    |
| Fortus         | 2165E ↗       | E3        | 2.1 | M           | <b>41.9</b>  | 8.0        | 0         | 120.7          | 427                  | 2    |
| Titan Pro      | TP 22E23 ↗    | E3        | 2.2 | M           | <b>41.7</b>  | 7.8        | 0         | 120.7          | 425                  | 3    |
| Dairyland      | DSR-2236E ↗   | E3        | 2.2 | M           | <b>41.6</b>  | 7.7        | 0         | 122.0          | 424                  | 4    |
| Pioneer        | P22A67E § ↗   | E3        | 2.2 | M           | <b>40.7</b>  | 7.7        | 0         | 121.3          | 415                  | 5    |
| Xitavo         | XO 1632E ↗    | E3        | 1.6 | M           | <b>40.4</b>  | 7.9        | 0         | 121.3          | 412                  | 6    |
| Genesis        | G2180E ↗      | E3        | 2.1 | M           | <b>40.3</b>  | 7.7        | 0         | 119.7          | 411                  | 7    |
| Pioneer        | P19A37E § ↗   | E3        | 1.9 | NA          | <b>40.2</b>  | 7.6        | 0         | 119.7          | 410                  | 8    |
| Golden Harvest | GH2315E3 ↗    | E3        | 2.3 | PK          | <b>40.1</b>  | 7.7        | 0         | 121.7          | 409                  | 9    |
| NuTech         | 20N06E ↗      | E3        | 2.0 | PK          | <b>39.3</b>  | 7.6        | 0         | 120.3          | 401                  | 10   |
| Dairyland      | DSR-2055E ↗   | E3        | 2.0 | M           | <b>39.1</b>  | 7.6        | 0         | 120.0          | 399                  | 11   |
| Legacy         | LSX-232-24E ↗ | E3        | 2.3 | NA          | <b>38.8</b>  | 7.6        | 0         | 120.3          | 396                  | 12   |
| Genesis        | G1970E ↗      | E3        | 1.9 | M           | <b>38.7</b>  | 7.4        | 0         | 119.3          | 395                  | 13   |
| Xitavo         | XO 1822E ↗    | E3        | 1.8 | M           | <b>38.4</b>  | 7.4        | 0         | 120.7          | 392                  | 14   |
| Dairyland      | DSR-1989E ↗   | E3        | 1.9 | PK          | <b>38.0</b>  | 7.2        | 0         | 121.3          | 388                  | 15   |
| Genesis        | G2090E ↗      | E3        | 2.0 | PK          | <b>37.2</b>  | 7.4        | 0         | 120.0          | 379                  | 16   |
| Dairyland      | DSR-2347E ↗   | E3        | 2.3 | M           | <b>37.1</b>  | 8.3        | 0         | 121.7          | 378                  | 17   |
| Apex           | AE2050 ↗      | E3        | 2.0 | PK          | <b>36.9</b>  | 7.6        | 0         | 120.7          | 376                  | 18   |
| NuTech         | 22N04E ↗      | E3        | 2.2 | PK          | <b>36.8</b>  | 7.7        | 0         | 120.3          | 375                  | 19   |
| Stine          | 21EG32 § ↗    | E3        | 2.1 | M           | <b>36.8</b>  | 7.8        | 0         | 120.3          | 375                  | 20   |
| Loyal          | L1860E ↗      | E3        | 1.8 | PK          | <b>36.1</b>  | 7.9        | 0         | 120.7          | 368                  | 21   |
| Fortus         | 2043E ↗       | E3        | 2.0 | M           | <b>36.0</b>  | 8.6        | 0         | 119.3          | 367                  | 22   |
| Jacobsen       | J1942E3 ↗     | E3        | 1.9 | PK          | <b>35.6</b>  | 8.1        | 0         | 120.7          | 363                  | 23   |
| Stine          | 22EG02 § ↗    | E3        | 2.2 | M           | <b>34.8</b>  | 7.7        | 0         | 120.3          | 355                  | 24   |
| Dairyland      | DSR-2111E ↗   | E3        | 2.1 | PK          | <b>34.5</b>  | 7.4        | 0         | 119.7          | 352                  | 25   |
| Golden Harvest | GH1875E3 § ↗  | E3        | 1.8 | M           | <b>34.4</b>  | 8.1        | 0         | 120.0          | 351                  | 26   |
| Xitavo         | XO 2075E ↗    | E3        | 2.0 | PK          | <b>34.2</b>  | 7.8        | 0         | 120.7          | 349                  | 27   |
| NuTech         | 21N08E ↗      | E3        | 2.1 | PK          | <b>34.0</b>  | 7.7        | 0         | 120.0          | 347                  | 28   |
| Xitavo         | XO 2282E ↗    | E3        | 2.2 | M           | <b>33.9</b>  | 8.0        | 0         | 120.7          | 346                  | 29   |
| Jacobsen       | J2223E3 ↗     | E3        | 2.2 | S           | <b>33.8</b>  | 8.1        | 0         | 121.3          | 345                  | 30   |

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Mark Querna

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Averages = **35.0** **7.8** **120.0** **357**

LSD (0.10) = 3.4 ns ns

LSD (0.25) = 1.8 ns ns

C.V. = 9.3

Historic yield: 53.81 bu/a, 5 yr(s)

**Yield & Income Factors:** Base Moisture = 13.0% Shrink = 1.0 Drying = \$0.02 Prices: GMO = \$10.20

Report Date: 10/11/2024

† 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](http://www.firstseedtests.com)

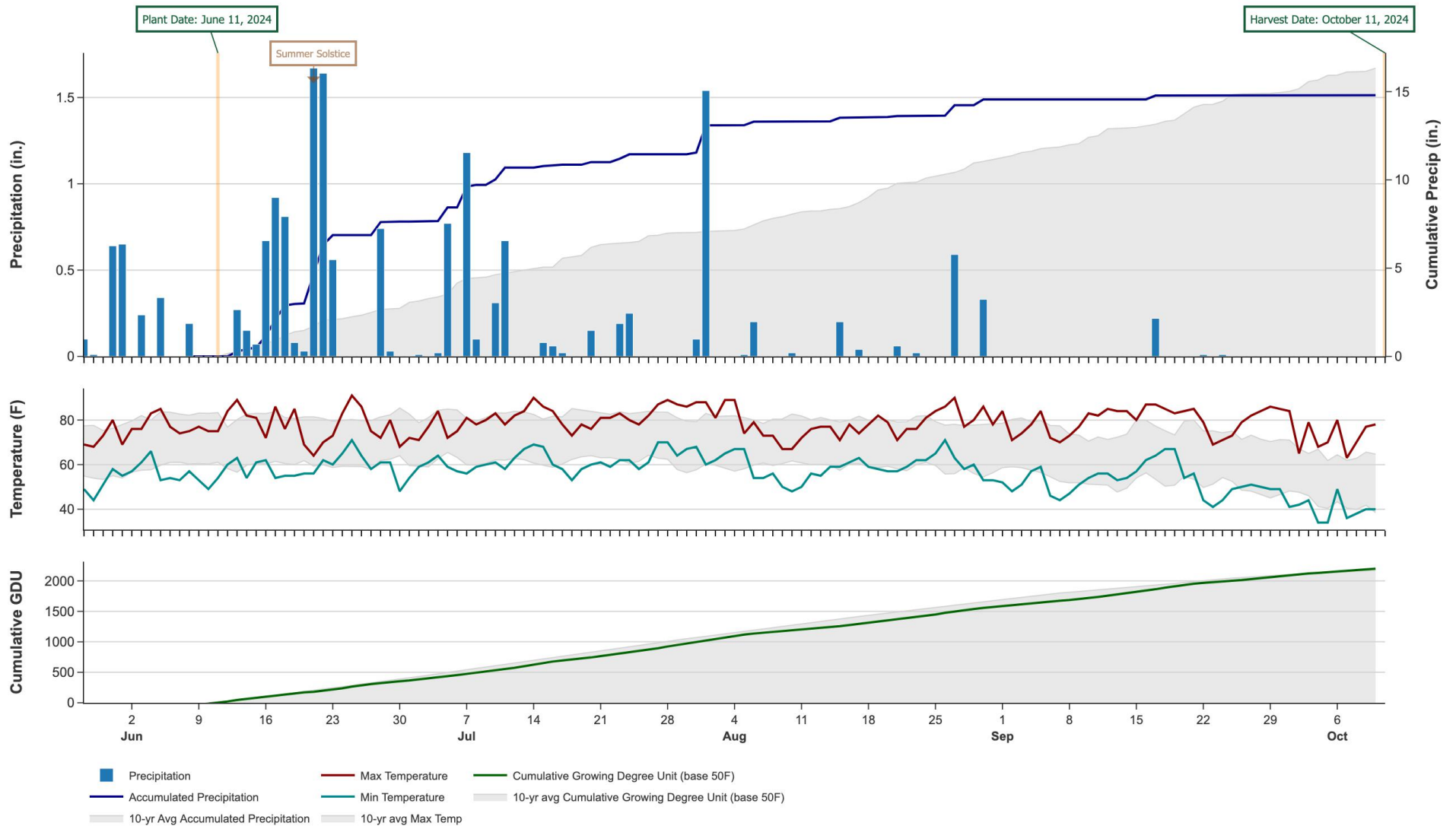
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# 2024 Soybeans - Minnesota South [ MNSO ]

## Weather Conditions Summary at LAMBERTON, MN

| Monthly Total        | May*             | Jun              | Jul              | Aug              | Sep              | Oct*             | Total              |
|----------------------|------------------|------------------|------------------|------------------|------------------|------------------|--------------------|
| Precip (in)   (Diff) | 0.8   0.9 (-0.2) | 9.1   3.9 (+5.2) | 3.9   4.3 (-0.4) | 3.0   4.1 (-1.1) | 0.2   3.8 (-3.5) | 0.0   1.4 (-1.4) | 17.0   18.4 (-1.4) |
| GDU   Avg (Diff)     | 50   61 (-11)    | 530   617 (-87)  | 650   678 (-28)  | 571   604 (-33)  | 510   424 (+85)  | 117   75 (+41)   | 2428   2462 (-34)  |



\* 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.

## 2024 Soybeans - Minnesota South [ MNSO ]

### All-Season Test Products (48 Total)

| Company/Brand  | Product/Brand | Technology | SCN | RM  | Seed Treat.   |
|----------------|---------------|------------|-----|-----|---------------|
| Anderson       | A184E3 GC     | E3         | PK  | 1.8 | NA            |
| Apex           | AE2050        | E3         | PK  | 2.0 | F,I           |
| Apex           | AE2350        | E3         | PK  | 2.3 | CMBV,SA       |
| Apex           | AE2351        | E3         | M   | 2.3 | CMBV,SA       |
| Asgrow         | AG18XF1 §     | RXF        | R   | 1.8 | ACi,IL        |
| Asgrow         | AG19XF3 §     | RXF        | R   | 1.9 | ACi,IL        |
| Asgrow         | AG20XF4 §     | RXF        | R   | 2.0 | ACi,IL        |
| Dairyland      | DSR-1654E     | E3         | M   | 1.6 | Lum,Lu,IL     |
| Dairyland      | DSR-1989E     | E3         | PK  | 1.9 | Lum,Lu,IL     |
| Dairyland      | DSR-2055E     | E3         | M   | 2.0 | Lum,Lu,IL     |
| Dairyland      | DSR-2111E     | E3         | PK  | 2.1 | Lum,Lu,IL     |
| Dairyland      | DSR-2236E     | E3         | M   | 2.2 | Lum,Lu,IL     |
| Dairyland      | DSR-2347E     | E3         | M   | 2.3 | Lum,Lu,IL     |
| Fortus         | 1895E         | E3         | PK  | 1.8 | AC, SU        |
| Fortus         | 2043E         | E3         | M   | 2.0 | AC, SU        |
| Fortus         | 2165E         | E3         | M   | 2.1 | AC, SU        |
| Genesis        | G1970E        | E3         | M   | 1.9 | EcTC          |
| Genesis        | G1980E        | E3         | PK  | 1.9 | EcTC          |
| Genesis        | G2090E        | E3         | PK  | 2.0 | EcTC,SA       |
| Genesis        | G2180E        | E3         | M   | 2.1 | EcTC,SA       |
| Genesis        | G2390E        | E3         | PK  | 2.3 | EcTC,SA       |
| Genesis        | G2391E        | E3         | M   | 2.3 | CMBV,SA       |
| Golden Harvest | GH1614E3 §    | E3         | PK  | 1.6 | CMB-APX,SA    |
| Golden Harvest | GH1875E3 §    | E3         | M   | 1.8 | CMB-APX,SA    |
| Golden Harvest | GH2292E3 §    | E3         | M   | 2.2 | CMB-APX,SA    |
| Golden Harvest | GH2315E3      | E3         | PK  | 2.3 | Untreated     |
| Jacobsen       | J1873E3       | E3         | PK  | 1.8 | F,I           |
| Jacobsen       | J1942E3       | E3         | PK  | 1.9 | F,I           |
| Jacobsen       | J2223E3       | E3         | S   | 2.2 | F,I           |
| Legacy         | LSX-232-24E   | E3         | NA  | 2.3 | DFender       |
| Loyal          | L1860E        | E3         | PK  | 1.8 | F,I,B,NE,NU   |
| Loyal          | L2160E        | E3         | NA  | 2.1 | F,I,B,NE,NU   |
| NuTech         | 17N02E        | E3         | PK  | 1.7 | Lum, LumT, IL |
| NuTech         | 20N06E        | E3         | PK  | 2.0 | Lum, LumT, IL |
| NuTech         | 21N08E        | E3         | PK  | 2.1 | Lum, LumT, IL |
| NuTech         | 22N04E        | E3         | PK  | 2.2 | Lum, LumT, IL |
| Pioneer        | P19A37E §     | E3         | NA  | 1.9 | Untreated     |
| Pioneer        | P20A48E §     | E3         | M   | 2.0 | Untreated     |
| Pioneer        | P22A67E §     | E3         | M   | 2.2 | Untreated     |
| Stine          | 20EG02 §      | E3         | M   | 2.0 | TFX1,SA       |
| Stine          | 21EG32 §      | E3         | M   | 2.1 | TFX1,SA       |
| Stine          | 22EG02 §      | E3         | M   | 2.2 | TFX1,SA       |

| Company/Brand | Brand/Product | Technology | SCN | RM  | Seed Treat.  |
|---------------|---------------|------------|-----|-----|--------------|
| Titan Pro     | TP 22E23      | E3         | M   | 2.2 | CMB-APX,SA   |
| Xitavo        | XO 1632E      | E3         | M   | 1.6 | PV,IL,OB,Rey |
| Xitavo        | XO 1822E      | E3         | M   | 1.8 | PV,IL,OB,Rey |
| Xitavo        | XO 2075E      | E3         | PK  | 2.0 | PV,IL,OB,Rey |
| Xitavo        | XO 2282E      | E3         | M   | 2.2 | PV,IL,OB,Rey |
| Xitavo        | XO 2305E      | E3         | M   | 2.3 | PV,IL,OB,Rey |

## Footnotes and Abbreviations Descriptions

### Brand Footnotes

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|    |  |
|----|--|
| 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 Source or Rating

Note: Source of SCN resistance used when available, otherwise older susceptibility ratings are reported.

|    |                     |
|----|---------------------|
| M  | PI 88788 (MR)       |
| PK | Peking (R)          |
| H  | Hartwig (R)         |
| B  | Blend (PK + M)      |
| MR | moderate resistance |
| R  | resistant           |
| S  | susceptible         |
| NA | info unavailable    |

### Soybeans Technologies

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|     |            |
|-----|------------|
| E3  | Enlist E3® |
| RXF | XtendFlex® |

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### Soybeans Seed Treatments\*

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|               |   |
|---------------|---|
| NA            | Not Available   |
| ACi,IL        | Acceleron® Standard Insecticide-Fungicide, ILeVO          |
| AC, SU        | Acceleron standard+ StepUp                                |
| CMB-APX,SA    | CruiserMaxx® APX with Saltro®                             |
| CMBV,SA       | Cruisermaxx® Beans, Vibrance®, Saltro®                    |
| DFender       | DFender (Legacy Seeds)                                    |
| EcTC          | Eclipse US Total Coverage Trio IM, N-Force                |
| EcTC,SA       | Eclipse US Total Coverage Trio IM, N-Force, Saltro®       |
| F,I           | Fungicide, Insecticide                                    |
| F,I,B,NE,NU   | Fungicide, Insecticide, Biological, Nematicide, Nutrition |
| Lum,Lu,IL     | LumiGEN™, Lumisena™, ILeVO                                |
| Lum, LumT, IL | LumiGEN™, LumiTreo, ILEVO                                 |
| PV,IL,OB,Rey  | Poncho®/Votivo®, ILeVO, Obvius Plus, Relenya®             |
| TFX1,SA       | Stine MyYield, Saltro                                     |
| Untreated     | No seed treatment   |

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\*Seed treatments may include unspecified plant health promoting components.