

Test by: Southern MN FIRST New Richland, MN

2024 Soybeans Top 30 Harvest Report

Red River South North Dakota & Minnesota [RRSO]
LITCHVILLE, ND
Mark Formo, Barnes County, ND 58461

| | |
|-------------------------------|--|
| All-Season Test | Maturity Group 0.5 - 1.4 S2024RRSO17 |
| Top 30 of 54 | For Gross Income (Sorted by Yield) Average of (3) Replications |
| PREV. CROP/HERB: | Barley / Huskie Complete |
| SOIL DESCRIPTION: | Barnes-Svea loam, mod. well drained, non-irrigated |
| SOIL CONDITION: | very high P, very high K, 7.5 pH, 3.6% OM, 18.7 CEC |
| TILLAGE/CULTIVATION: | Conventional W/ Fall Till |
| PEST MANAGEMENT: | Liberty, Roundup, Outlook |
| Applied N-P-K (units): | 0-0-0 |
| SEEDED - RATE - ROW: | May 29 140.0 /A 30" spacing |
| HARVESTED - STAND: | Oct 9 122.7 /A |

TEST COMMENTS:

The planting window here was small, but the soil was fit for the seed. Weed control was excellent, and plants were standing well at harvest. Mark said that he has had a very good growing season, after a very wet spring prior to planting. There were no drownouts in this field this year, and a 2.6" rain on Aug 15 was the last substantial moisture received before harvest. Mark believes the excess rain received in April and May could have dropped yield potential. Overall, plants stood tall at harvest and showed good plant health.

| Company/Brand | Product/Brand | Technol.† | RM | SCN Resist. | Yield Bu/A ↓ | Moisture % | Lodging % | Stand (x 1000) | Gross Income \$/Acre | Rank |
|----------------|---------------|-----------|-----|-------------|--------------|------------|-----------|----------------|----------------------|------|
| Xitavo | XO 1372E ↗ | E3,ST | 1.3 | R | 61.9 | 8.4 | 1 | 122.7 | 631 | 1 |
| Stine | 08EG62 § ↗ | E3 | 0.8 | M | 59.3 | 7.8 | 0 | 124.0 | 605 | 2 |
| Golden Harvest | GH0815E3 § ↗ | E3 | 0.8 | M | 58.4 | 8.1 | 0 | 122.3 | 596 | 3 |
| Stine | 13EG23 § ↗ | E3 | 1.3 | M | 58.2 | 8.4 | 1 | 120.3 | 594 | 4 |
| Golden Harvest | GH1194E3 ↗ | E3 | 1.1 | M | 57.8 | 7.9 | 0 | 122.3 | 590 | 5 |
| NK Brand | NK08-Z4E3 ↗ | E3 | 0.8 | M | 57.7 | 7.9 | 0 | 123.3 | 589 | 6 |
| Asgrow | AG12XF4 § ↗ | RXF | 1.2 | S | 57.6 | 8.1 | 0 | 123.7 | 588 | 7 |
| Stine | 10EG20 § ↗ | E3 | 1.0 | M | 57.3 | 8.0 | 0 | 123.7 | 584 | 8 |
| Thunder | TE7407N ↗ | E3 | 0.7 | M | 56.5 | 8.2 | 0 | 123.7 | 576 | 9 |
| Thunder | TX8307N ↗ | RXF | 0.7 | M | 56.4 | 8.0 | 0 | 123.3 | 575 | 10 |
| Xitavo | XO 0602E ↗ | E3 | 0.6 | M | 56.2 | 8.0 | 0 | 120.0 | 573 | 11 |
| NK Brand | NK11-A4E3 § ↗ | E3 | 1.1 | M | 56.2 | 8.2 | 1 | 122.7 | 573 | 12 |
| NK Brand | NK08-R3XF ↗ | RXF | 0.8 | M | 56.0 | 8.2 | 0 | 122.0 | 571 | 13 |
| Asgrow | AG14XF4 § ↗ | RXF | 1.4 | R | 55.8 | 8.1 | 0 | 122.3 | 569 | 14 |
| Genesis | G0750E ↗ | E3 | 0.7 | M | 55.3 | 7.9 | 0 | 124.0 | 564 | 15 |
| Fortus | 0544E ↗ | E3 | 0.5 | M | 55.1 | 8.3 | 0 | 123.0 | 562 | 16 |
| NK Brand | NK11-U2XF § ↗ | RXF | 1.1 | M | 55.1 | 8.3 | 0 | 124.3 | 562 | 17 |
| Dairyland | DSR-1476E ↗ | E3 | 1.4 | M | 54.9 | 8.2 | 0 | 122.7 | 560 | 18 |
| NK Brand | NK07-G5E3 ↗ | E3 | 0.7 | PK | 54.9 | 7.8 | 0 | 122.3 | 560 | 19 |
| NK Brand | NK06-A1E3 ↗ | E3 | 0.6 | M | 54.8 | 8.4 | 0 | 121.7 | 559 | 20 |
| Golden Harvest | GH0675E3 ↗ | E3 | 0.6 | M | 54.8 | 8.2 | 0 | 121.7 | 559 | 21 |
| Dairyland | DSR-1345E ↗ | E3 | 1.3 | M | 54.8 | 7.9 | 0 | 122.7 | 559 | 22 |
| Thunder | TE7509N ↗ | E3 | 0.9 | M | 54.6 | 8.2 | 0 | 120.7 | 557 | 23 |
| Dak-Sota | DE5405 ↗ | E3 | 0.5 | M | 54.6 | 7.8 | 0 | 124.3 | 557 | 24 |
| Xitavo | XO 0554E ↗ | E3 | 0.5 | M | 54.5 | 8.0 | 0 | 122.0 | 556 | 25 |
| Fortus | 1385E ↗ | E3 | 1.3 | M | 54.4 | 8.3 | 0 | 121.7 | 555 | 26 |
| Fortus | 0831E ↗ | E3 | 0.8 | M | 54.0 | 7.9 | 0 | 122.0 | 551 | 27 |
| Genesis | G1290E ↗ | E3 | 1.2 | M | 53.7 | 8.2 | 0 | 123.3 | 548 | 28 |
| Xitavo | XO 1404E ↗ | E3 | 1.4 | M | 53.6 | 8.5 | 2 | 122.0 | 547 | 29 |
| Asgrow | AG10XF4 § ↗ | RXF | 1.0 | R | 53.2 | 7.9 | 0 | 123.0 | 543 | 30 |

Mark Querna

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Averages = **53.3** **8.1** **0** **122.7** **544**

LSD (0.10) = 2.8 0.3 ns

LSD (0.25) = 1.5 0.1 ns

C.V. = 5.0

Historic yield: 48.72 bu/a, 8 yr(s)

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

Report Date: 10/09/2024

† 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

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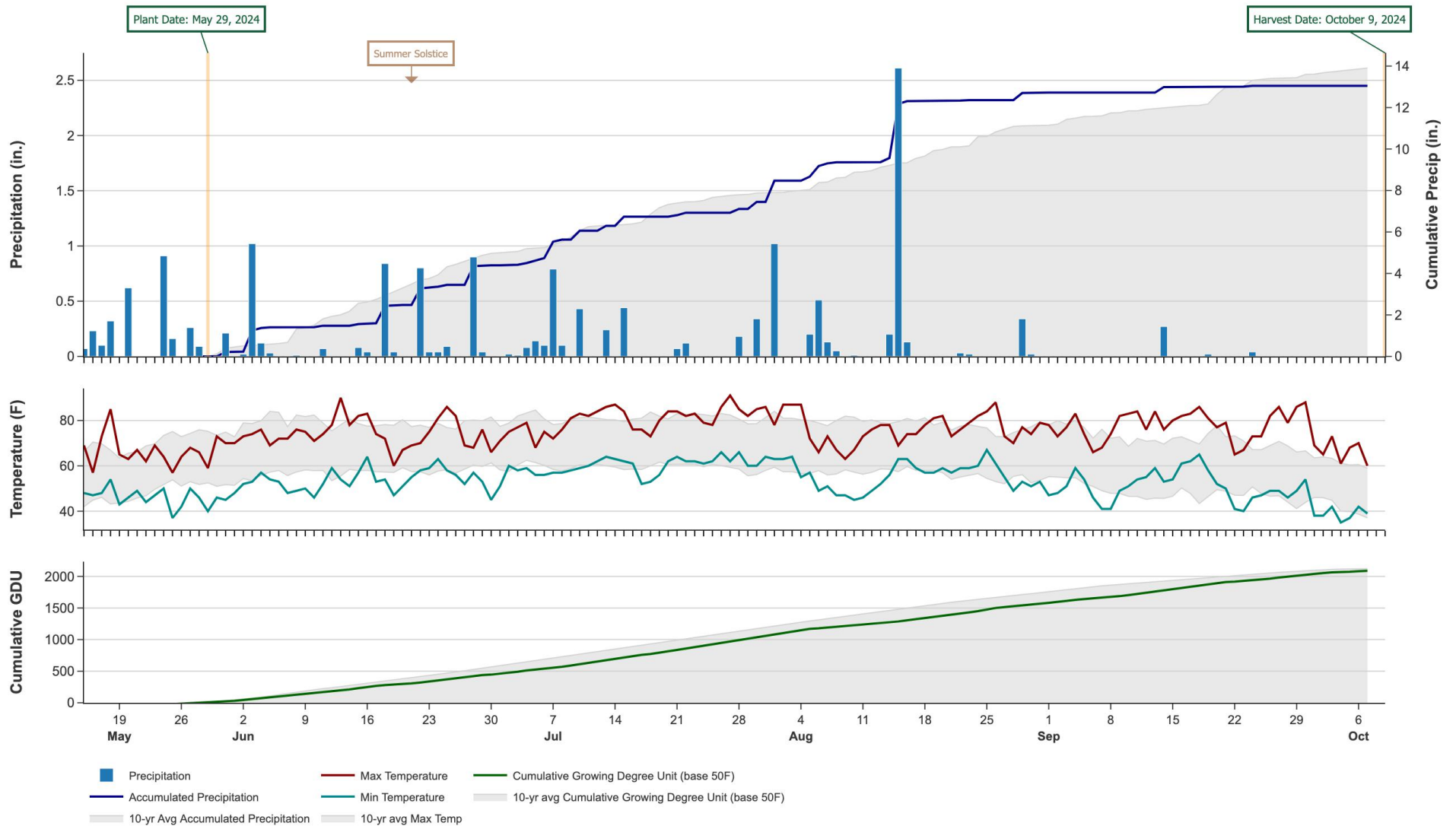
Additional reports available at www.firstseedtests.com

2024 Soybeans - Red River South North Dakota & Minnesota [RRSO]

Weather Conditions Summary at LITCHVILLE, ND

Weather Data Retrieved: 10/09/2024

| Monthly Total | May* | Jun | Jul | Aug | Sep | Oct* | Total |
|----------------------|------------------|------------------|------------------|------------------|------------------|------------------|--------------------|
| Precip (in) (Diff) | 3.0 1.9 (+1.1) | 4.2 4.6 (-0.4) | 3.1 2.9 (+0.1) | 5.3 3.3 (+2.0) | 0.3 2.5 (-2.1) | 0.0 0.3 (-0.3) | 15.8 15.4 (+0.4) |
| GDU Avg (Diff) | 139 184 (-45) | 424 543 (-119) | 620 628 (-8) | 502 546 (-44) | 468 346 (+121) | 52 31 (+20) | 2205 2280 (-75) |



* 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 - Red River South North Dakota & Minnesota [RRSO]

All-Season Test Products (54 Total)

| Company/Brand | Product/Brand | Technology | SCN | RM | Seed Treat. |
|----------------|---------------|------------|-----|-----|-------------|
| Anderson | A154E3 GC | E3 | PK | 1.5 | Untreated |
| Asgrow | AG10XF4 § | RXF | R | 1.0 | ACi,IL |
| Asgrow | AG12XF4 § | RXF | S | 1.2 | ACi,IL |
| Asgrow | AG14XF4 § | RXF | R | 1.4 | ACi,IL |
| Dairyland | DSR-1150E | E3 | PK | 1.1 | Lum,Lu,IL |
| Dairyland | DSR-1345E | E3 | M | 1.3 | Lum,Lu,IL |
| Dairyland | DSR-1476E | E3 | M | 1.4 | Lum,Lu,IL |
| Dak-Sota | DE5309 | E3 | PK | 0.9 | F |
| Dak-Sota | DE5405 | E3 | M | 0.5 | F |
| Dak-Sota | DE5412 | E3 | PK | 1.2 | F |
| Dak-Sota | DE5507 | E3 | PK | 0.7 | F |
| Dak-Sota | DE5510 | E3 | PK | 1.0 | F |
| Dak-Sota | DE5514 | E3 | PK | 1.4 | F |
| Fortus | 0544E | E3 | M | 0.5 | AC, SU |
| Fortus | 0831E | E3 | M | 0.8 | AC, SU |
| Fortus | 1175E | E3 | PK | 1.1 | AC, SU |
| Fortus | 1385E | E3 | M | 1.3 | AC, SU |
| Genesis | G0750E | E3 | M | 0.7 | EcTC |
| Genesis | G0880E | E3 | M | 0.8 | EcTC |
| Genesis | G1260E | E3 | M | 1.2 | EcTC |
| Genesis | G1290E | E3 | M | 1.2 | EcTC |
| Golden Harvest | GH0675E3 | E3 | M | 0.6 | CMB-APX,SA |
| Golden Harvest | GH0815E3 § | E3 | M | 0.8 | CMB-APX,SA |
| Golden Harvest | GH1194E3 | E3 | M | 1.1 | CMB-APX,SA |
| Golden Harvest | GH1495E3 | E3 | PK | 1.4 | CMB-APX,SA |
| NK Brand | NK06-A1E3 | E3 | M | 0.6 | CMB-APX,SA |
| NK Brand | NK06-C4XF | RXF | M | 0.6 | CMB-APX,SA |
| NK Brand | NK07-G5E3 | E3 | PK | 0.7 | CMB-APX,SA |
| NK Brand | NK08-R3XF | RXF | M | 0.8 | CMB-APX,SA |
| NK Brand | NK08-Z4E3 | E3 | M | 0.8 | CMB-APX,SA |
| NK Brand | NK09-H7E3 | E3 | M | 0.9 | CMB-APX,SA |
| NK Brand | NK11-A4E3 § | E3 | M | 1.1 | CMB-APX,SA |
| NK Brand | NK11-U2XF § | RXF | M | 1.1 | CMB-APX,SA |
| Pioneer | P06A85E § | E3 | MR | 0.6 | Untreated |
| Pioneer | P08A44E § | E3 | NA | 0.8 | Untreated |
| Pioneer | P14A12E § | E3 | NA | 1.4 | Untreated |
| Stine | 08EG62 § | E3 | M | 0.8 | TFX1,SA |
| Stine | 10EG20 § | E3 | M | 1.0 | TFX1,SA |
| Stine | 13EG23 § | E3 | M | 1.3 | TFX1,SA |
| Thunder | TE7407N | E3 | M | 0.7 | F |
| Thunder | TE7509N | E3 | M | 0.9 | F |
| Thunder | TE7510N | E3 | M | 1.0 | F |

| Company/Brand | Brand/Product | Technology | SCN | RM | Seed Treat. |
|---------------|---------------|------------|-----|-----|--------------|
| Thunder | TE7513N | E3 | PK | 1.3 | F |
| Thunder | TX8307N | RXF | M | 0.7 | F |
| Thunder | TX8309N | RXF | M | 0.9 | F |
| Thunder | TX8313N | RXF | M | 1.3 | F |
| Thunder | TX8412N | RXF | M | 1.2 | F |
| Xitavo | XO 0554E | E3 | M | 0.5 | PV,IL,OB,Rey |
| Xitavo | XO 0602E | E3 | M | 0.6 | PV,IL,OB,Rey |
| Xitavo | XO 0993E | E3 | PK | 0.9 | PV,IL,OB,Rey |
| Xitavo | XO 1095E | E3 | M | 1.0 | PV,IL,OB,Rey |
| Xitavo | XO 1225E | E3 | M | 1.2 | PV,IL,OB,Rey |
| Xitavo | XO 1372E | E3,ST | R | 1.3 | PV,IL,OB,Rey |
| Xitavo | XO 1404E | E3 | M | 1.4 | PV,IL,OB,Rey |

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 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

| | |
|-----|-----------------------|
| E3 | Enlist E3® |
| RXF | XtendFlex® |
| ST | Sulfonylurea tolerant |

Soybeans Seed Treatments*

| | |
|--------------|--|
| NA | Not Available |
| ACi,IL | Acceleron® Standard Insecticide-Fungicide, ILeVO |
| AC, SU | Acceleron standard+ StepUp |
| CMB-APX,SA | CruiserMaxx® APX with Saltro® |
| EcTC | Eclipse US Total Coverage Trio IM, N-Force |
| F | Fungicide |
| Lum,Lu,IL | LumiGEN™, Lumisena™, ILeVO |
| PV,IL,OB,Rey | Poncho®/Votivo®, ILeVO, Obvius Plus, Relenya® |
| TFX1,SA | Stine MyYield, Saltro |
| Untreated | No seed treatment |

* Seed treatments may include unspecified plant health promoting components.