

Test by: MNS Seed Testing, LLC New Richland, MN

2021 Soybeans Top 30 Harvest Report

South Dakota Southeast [SDSE] IRENE, SD
Eric Mellum, Yankton County, SD

| | |
|-------------------------------|---|
| All-Season Test | Maturity Group 2.1 - 2.8 S2021SDSE04 |
| Top 30 of 63 | For Gross Income (Sorted by Yield) Average of (3) Replications |
| PREV. CROP/HERB: | Corn / NA |
| SOIL DESCRIPTION: | Clarion-Crossplain loam, well drained, non-irrigated |
| SOIL CONDITION: | very high P, high K, 6.6 pH, 2.8% OM, 17.8 CEC |
| TILLAGE/CULTIVATION: | Conventional W/ Fall Till |
| PEST MANAGEMENT: | Authority First, Dual, Marvel, Harness, Clethodim, Bifentherin. Cobra |
| Applied N-P-K (units): | 0-0-0 |
| SEDED - RATE - ROW: | May 15 140.0 /A 30" spacing |
| HARVESTED - STAND: | Nov 5 107.4 /A |

TEST COMMENTS:

The results here show low yields as a result of drought conditions this summer, Only a few plots showed yield results in the 30 bushels range and located in the lowest part of the plot. Area farmers are still on soybeans here as stems remained green all fall and plugged combines. Weed control was good enough not to be a factor in low yields. A hail storm two weeks before harvest also popped a few bean pods open before harvest. Due to high yield variation, the results are not reported.

| Company/Brand | Product/Brand | Yield (bu) | Moisture (%) | Shrink (%) | Yield (bu) | Moisture (%) | Shrink (%) | Gross Income (\$/bu) | Gross Income (\$/acre) |
|---------------|---------------|------------|--------------|------------|------------|--------------|------------|----------------------|------------------------|
| Hyly | HYLY0000 | 2.8 | 13.7 | 1 | 107.4 | 257 | 1 | | |
| Hyly | HYLY0001 | 2.8 | 13.7 | 1 | 107.4 | 257 | 1 | | |
| Hyly | HYLY0002 | 2.7 | 13.7 | 1 | 107.4 | 257 | 1 | | |
| Hyly | HYLY0003 | 2.6 | 13.7 | 1 | 107.4 | 257 | 1 | | |
| Hyly | HYLY0004 | 2.7 | 13.7 | 1 | 107.4 | 257 | 1 | | |
| Hyly | HYLY0005 | 2.4 | 13.7 | 1 | 107.4 | 257 | 1 | | |
| Hyly | HYLY0006 | 2.5 | 13.7 | 1 | 107.4 | 257 | 1 | | |
| Hyly | HYLY0007 | 2.6 | 13.7 | 1 | 107.4 | 257 | 1 | | |
| Hyly | HYLY0008 | 2.5 | 13.7 | 1 | 107.4 | 257 | 1 | | |
| Hyly | HYLY0009 | 2.6 | 13.7 | 1 | 107.4 | 257 | 1 | | |
| Hyly | HYLY0010 | 2.5 | 13.7 | 1 | 107.4 | 257 | 1 | | |
| Hyly | HYLY0011 | 2.6 | 13.7 | 1 | 107.4 | 257 | 1 | | |
| Hyly | HYLY0012 | 2.5 | 13.7 | 1 | 107.4 | 257 | 1 | | |
| Hyly | HYLY0013 | 2.6 | 13.7 | 1 | 107.4 | 257 | 1 | | |
| Hyly | HYLY0014 | 2.5 | 13.7 | 1 | 107.4 | 257 | 1 | | |
| Hyly | HYLY0015 | 2.6 | 13.7 | 1 | 107.4 | 257 | 1 | | |
| Hyly | HYLY0016 | 2.5 | 13.7 | 1 | 107.4 | 257 | 1 | | |
| Hyly | HYLY0017 | 2.6 | 13.7 | 1 | 107.4 | 257 | 1 | | |
| Hyly | HYLY0018 | 2.5 | 13.7 | 1 | 107.4 | 257 | 1 | | |
| Hyly | HYLY0019 | 2.6 | 13.7 | 1 | 107.4 | 257 | 1 | | |
| Hyly | HYLY0020 | 2.5 | 13.7 | 1 | 107.4 | 257 | 1 | | |
| Hyly | HYLY0021 | 2.6 | 13.7 | 1 | 107.4 | 257 | 1 | | |
| Hyly | HYLY0022 | 2.5 | 13.7 | 1 | 107.4 | 257 | 1 | | |
| Hyly | HYLY0023 | 2.6 | 13.7 | 1 | 107.4 | 257 | 1 | | |
| Hyly | HYLY0024 | 2.5 | 13.7 | 1 | 107.4 | 257 | 1 | | |
| Hyly | HYLY0025 | 2.6 | 13.7 | 1 | 107.4 | 257 | 1 | | |
| Hyly | HYLY0026 | 2.5 | 13.7 | 1 | 107.4 | 257 | 1 | | |
| Hyly | HYLY0027 | 2.6 | 13.7 | 1 | 107.4 | 257 | 1 | | |
| Hyly | HYLY0028 | 2.5 | 13.7 | 1 | 107.4 | 257 | 1 | | |
| Hyly | HYLY0029 | 2.6 | 13.7 | 1 | 107.4 | 257 | 1 | | |
| Hyly | HYLY0030 | 2.5 | 13.7 | 1 | 107.4 | 257 | 1 | | |



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|--------------|-------------|-------------|----------|--------------|-------------------------------------|
| Averages = | 21.6 | 15.1 | 1 | 107.4 | 257 |
| LSD (0.10) = | 6.5 | 1.1 | ns | | |
| LSD (0.25) = | 3.4 | 0.6 | ns | | |
| C.V. = | 28.8 | | | | Historic yield: 58.95 bu/a, 1 yr(s) |

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.1 Drying = \$0.035 Prices: GMO = \$12.00

Report Date: 11/07/2021

Additional reports available at www.firstseedtests.com

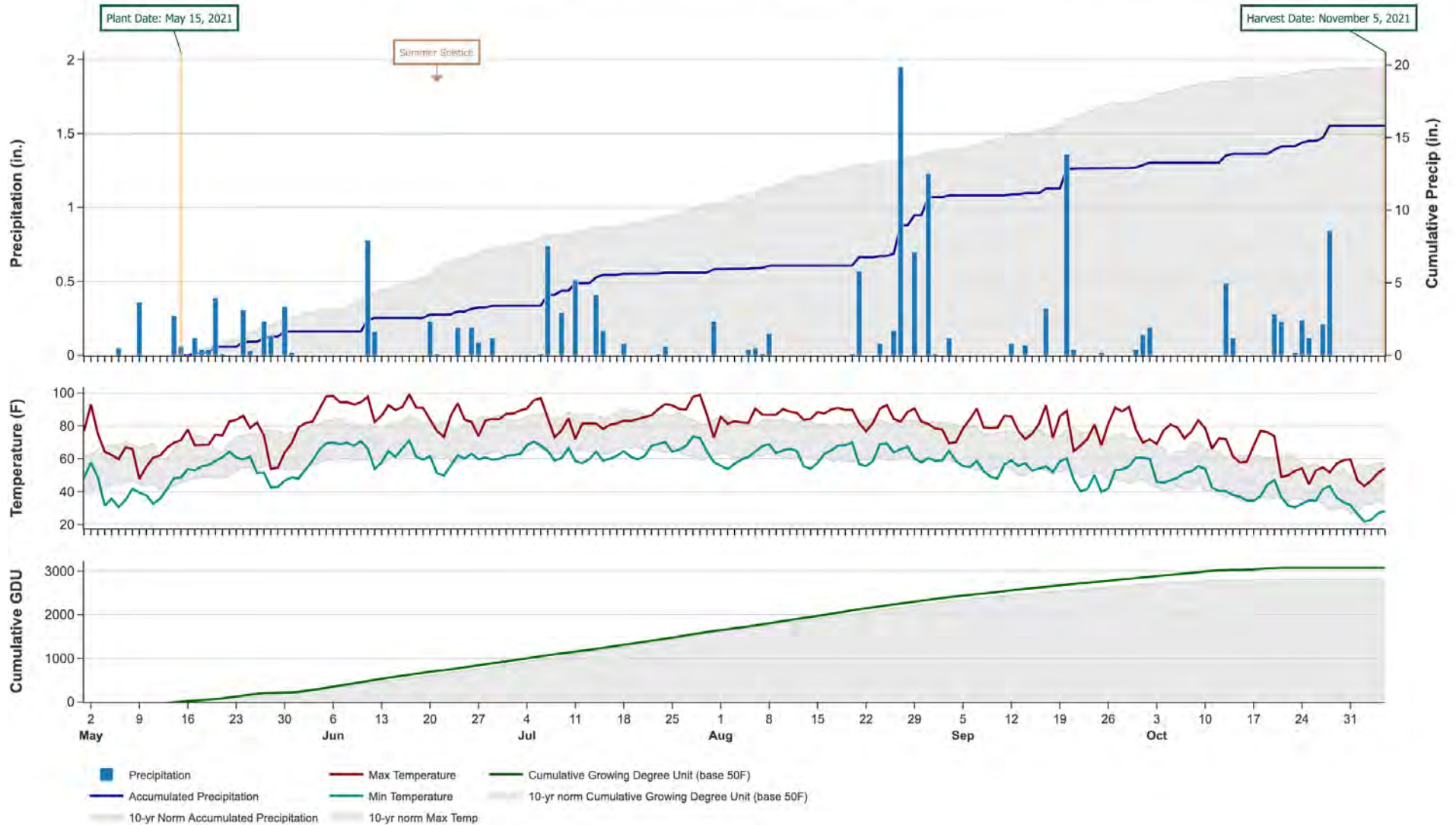
† See last page for abbreviation descriptions. Dark colored row identifies the check product found in early- and full-season tests. **Bold** yields are significantly above test average by LSD(0.10). **Italicized** brands exceed the grain moisture limit for this test. **ns** = column values not significantly different. ↗ New! Links to full product yield results at www.firstseedtests.com
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2021 Soybeans - South Dakota Southeast [SDSE]

Weather Conditions Summary at IRENE, SD

Weather Data Retrieved: 11/07/2021

| Monthly Total | May* | Jun | Jul | Aug | Sep | Oct | Nov* | Total |
|-----------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|--------------------|
| Precip (in) Normal (Diff) | 2.4 4.3 (-1.9) | 1.8 4.8 (-3.1) | 2.5 3.0 (-0.5) | 5.0 3.5 (+1.5) | 2.1 3.5 (-1.5) | 2.9 2.3 (+0.5) | 0.0 0.1 (-0.1) | 16.6 21.6 (-5.0) |
| GDU Normal (Diff) | 312 327 (-15) | 681 625 (+55) | 729 759 (-30) | 723 664 (+58) | 502 443 (+58) | 223 114 (+108) | 0 0 (0) | 3170 2933 (+236) |



* 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.

2021 Soybeans - South Dakota Southeast [SDSE]

All-Season Test Products (63 Total)

| Company/Brand | Product/Brand | Technology | SCN | RM | Seed Treat. |
|----------------|---------------|------------|-----|-----|-------------|
| Apex | AE2220 | E3 | R | 2.2 | CMBV,SA |
| Apex | AE2420S | E3,ST | R | 2.4 | CMBV,SA |
| Asgrow | AG21XF0 § | RXF | R | 2.1 | ACi,IL |
| Asgrow | AG26XF1 § | RXF | R | 2.6 | ACi,IL |
| Asgrow | AG27XF2 § | RXF | R | 2.7 | ACi,IL |
| Credenz | CZ 2121GTLL | LLGT27 | MR | 2.1 | PV,IL,OB |
| Credenz | CZ 2360GTLL | LLGT27 | MR | 2.3 | PV,IL,OB |
| Credenz | CZ 2550GTLL | LLGT27 | MR | 2.5 | PV,IL,OB |
| Credenz | CZ 2760GTLL | LLGT27 | R | 2.7 | PV,IL,OB |
| Dyna-Gro | S24XF12 | RXF | R | 2.4 | EQV,SA |
| Dyna-Gro | S25EN41 | E3 | R | 2.5 | EQV,SA |
| Dyna-Gro | S27EN89 | E3 | R | 2.7 | EQV,SA |
| Genesis | G2260E | E3 | R | 2.2 | CMBV,SA |
| Genesis | G2460ES | E3,ST | R | 2.4 | CMBV,SA |
| Golden Harvest | GH2292E3 § | E3 | MR | 2.2 | CMBV,SA |
| Golden Harvest | GH2562XF § | RXF | R | 2.5 | CMBV,SA |
| Golden Harvest | GH2722XF | RXF | MR | 2.7 | CMBV,SA |
| Golden Harvest | GH2818E3 | E3 | MR | 2.8 | CMBV,SA |
| Hefty | H21XF2 | RXF | NA | 2.1 | DST4,SA |
| Hefty | H23XF1 | RXF | NA | 2.3 | DST4,SA |
| Hefty | H24XF2 | RXF | NA | 2.4 | DST4,SA |
| Hefty | H25X0 | RRX | R | 2.5 | DST4,SA |
| Hefty | H25XF1 | RXF | NA | 2.5 | DST4,SA |
| Hefty | H26XF2 | RXF | NA | 2.6 | DST4,SA |
| Hefty | H28X8 | RRX | R | 2.8 | DST4,SA |
| Hoegemeyer | 2141 E | E3 | R | 2.1 | Lum,Lu,IL |
| Hoegemeyer | 2421 E | E3 | R | 2.4 | Lum,Lu,IL |
| Hoegemeyer | 2660 E | E3 | R | 2.6 | Lum,Lu,IL |
| Innotech | IS2342E3 | E3 | MR | 2.3 | Fortify |
| Innotech | IS2545E3 | E3 | R | 2.5 | Fortify |
| Innotech | IS2748E3 | E3 | MR | 2.7 | Fortify |
| Latham | L 2458 E3 | E3 | R | 2.4 | SS+,SA |
| Latham | L 2494 XF | RXF | R | 2.4 | SS+,SA |
| Latham | L 2549 R2X | RRX | R | 2.5 | SS+,SA |
| Latham | L 2638 E3 | E3 | R | 2.6 | SS+,SA |
| Latham | L 2786 XF | RXF | R | 2.7 | SS+,SA |
| Latham | L 2839 LLGT27 | LLGT27 | R | 2.8 | SS+,SA |
| Latham | L 2887 R2X | RRX | R | 2.8 | SS+,SA |
| Latham | L 2894 E3 | E3 | R | 2.8 | SS+,SA |
| Loyal | L2240E | E3 | R | 2.2 | CMBV,SA |
| Loyal | L2440ES | E3,ST | R | 2.4 | CMBV,SA |
| NK Brand | NK21-H4XF § | RXF | MR | 2.1 | CMBV,SA |

| Company/Brand | Brand/Product | Technology | SCN | RM | Seed Treat. |
|---------------|---------------|------------|-----|-----|-------------|
| NK Brand | NK22-C4E3 | E3 | R | 2.2 | CMBV,SA |
| NK Brand | NK24-G7E3 | E3 | R | 2.4 | CMBV,SA |
| NK Brand | NK25-C9XF | RXF | MR | 2.5 | CMBV,SA |
| Pioneer | P23A15X § | RRX | R | 2.3 | Lum,Lu |
| REA | R2140XF | RXF | NA | 2.1 | ACi,IL |
| REA | R2651XF | RXF | R | 2.6 | ACi,IL |
| Stine | 21EE62 § | E3 | R | 2.1 | SFI |
| Stine | 24EE32 § | E3 | R | 2.4 | SFI |
| Stine | 25EB32 § | E3 | R | 2.5 | SFI |
| Xitavo | XO 2181E | E3 | R | 2.1 | PV,IL,OB |
| Xitavo | XO 2282E | E3 | R | 2.2 | PV,IL,OB |
| Xitavo | XO 2472E | E3 | R | 2.4 | PV,IL,OB |
| Xitavo | XO 2501E | E3 | R | 2.5 | PV,IL,OB |
| Xitavo | XO 2832E | E3 | R | 2.8 | PV,IL,OB |
| Zinesto | Z2101E | E3 | R | 2.1 | DST4,SA |
| Zinesto | Z2101G | LLGT27 | R | 2.1 | DST4,SA |
| Zinesto | Z2202E | E3 | NA | 2.2 | DST4,SA |
| Zinesto | Z2300E | E3 | R | 2.3 | DST4,SA |
| Zinesto | Z2302SE | E3,ST | NA | 2.3 | DST4,SA |
| Zinesto | Z2401E | E3 | R | 2.4 | DST4,SA |
| Zinesto | Z2700E | E3 | R | 2.7 | DST4,SA |

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

| | |
|--------|----------------------------|
| E3 | Enlist™ E3 |
| LLGT27 | LibertyLink® GT27® |
| RRX | Roundup Ready 2 Xtend® |
| RXF | Roundup Ready 2 XtendFlex® |
| ST | Sulfonylurea tolerant |

Soybeans Seed Treatments*

| | |
|-----------|--|
| NA | Not Available |
| ACi,IL | Acceleron® Standard Insecticide-Fungicide, ILeVO |
| CMBV,SA | Cruisemaxx® Beans, Vibrance®, Saltro® |
| DST4,SA | Dominance 4 ST,Saltro® |
| EQV,SA | Equity VIP, Saltro® |
| Fortify | Insecticide-Fungicide (Rob-See-Co) |
| Lum,Lu | LumiGEN™, Lumisena™ |
| Lum,Lu,IL | LumiGEN™, Lumisena™, ILeVO |
| PV,IL,OB | Poncho®/Votivo®, ILeVO, Obvius Plus |
| SFI | Stine XP F&I |
| SS+,SA | SoyShield Plus, Saltro® |

* Seed treatments may include unspecified plant health promoting components.