

Test by: Agri Seed Research, LLC Louisburg, KS

2022 Soybeans Top 30 Harvest Report

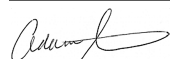
Kansas East Central [KSEC] LA CYGNE, KS
Brad Stainbrook, Linn County, KS 66040

| | |
|-------------------------------|--|
| All-Season Test | Maturity Group 3.7 - 4.7 S2022KSEC01 |
| Top 30 of 37 | For Gross Income (Sorted by Yield) Average of (3) Replications |
| PREV. CROP/HERB: | Corn / Fulltime Nxt, Mesotrione |
| SOIL DESCRIPTION: | Kenoma silty clay loam, mod. well drained, non-irrigated |
| SOIL CONDITION: | low P, low K, 7.8 pH, 2.5% OM, 20.8 CEC |
| TILLAGE/CULTIVATION: | Conventional W/O Fall Till |
| PEST MANAGEMENT: | Glyphosate, Authority Mtz, Cobra |
| Applied N-P-K (units): | 0-40-0 |
| SEEDED - RATE - ROW: | Jun 15 145.0 /A 30" spacing |
| HARVESTED - STAND: | Oct 22 135.2 /A |

TEST COMMENTS:

This site was planted into a clean seedbed, and it looked uniform at V2. June brought a few showers, then July and August were hot and dry. Rain showers were spotty. Plants were shorter than normal but standing well at harvest. Some pods had blank spots where a soybean should have been. Weed control was good.

| Company/Brand | Product/Brand | Technol.† | RM | SCN Resist. | Yield Bu/A ↓ | Moisture % | Lodging % | Stand (x 1000) | Gross Income \$/Acre | Rank |
|------------------|----------------|-----------|-----|-------------|--------------|------------|-----------|----------------|----------------------|------|
| Asgrow | AG41XF2 § ↗ | RXF | 4.1 | R | 41.7 | 10.3 | 0 | 139.0 | 580 | 1 |
| Xitavo | XO 4522E ↗ | E3 | 4.5 | R | 40.6 | 10.1 | 0 | 136.5 | 564 | 2 |
| Xitavo | XO 4722E ↗ | E3 | 4.7 | MR | 40.6 | 9.7 | 0 | 137.3 | 564 | 3 |
| Lewis | 3834XF ↗ | RXF | 3.8 | R | 40.5 | 9.8 | 0 | 135.7 | 563 | 4 |
| Midland Genetics | 4621XFS ↗ | RXF,ST | 4.6 | MR | 40.3 | 9.3 | 0 | 134.0 | 560 | 5 |
| Stine | 38EF32 § ↗ | E3 | 3.8 | R | 39.7 | 10.2 | 0 | 135.7 | 552 | 6 |
| Golden Harvest | GH4222XF ↗ | RXF | 4.2 | R | 39.3 | 9.4 | 0 | 136.5 | 545 | 7 |
| NK Brand | NK45-V9E3 § ↗ | E3 | 4.5 | R | 38.9 | 9.4 | 0 | 137.3 | 541 | 8 |
| Xitavo | XO 3861E ↗ | E3 | 3.8 | R | 38.9 | 9.6 | 0 | 132.3 | 541 | 9 |
| Hoegemeyer | 4503 E ↗ | E3 | 4.5 | R | 38.8 | 9.3 | 0 | 134.0 | 539 | 10 |
| Pioneer | P44A91E § ↗ | E3 | 4.4 | NA | 38.7 | 10.6 | 0 | 134.0 | 538 | 11 |
| Pioneer | P46A09E § ↗ | E3 | 4.6 | NA | 38.2 | 9.5 | 0 | 132.3 | 531 | 12 |
| NK Brand | NK44-J4XFS § ↗ | RXF,ST | 4.4 | R | 38.2 | 9.4 | 0 | 135.7 | 531 | 13 |
| Xitavo | XO 4653E ↗ | E3,ST | 4.6 | MR | 38.2 | 10.6 | 0 | 137.3 | 531 | 14 |
| Stine | 44EE20 § ↗ | E3 | 4.4 | R | 37.9 | 9.4 | 0 | 136.5 | 527 | 15 |
| Hoegemeyer | 3953 E ↗ | E3 | 3.9 | R | 37.9 | 9.4 | 0 | 130.7 | 527 | 16 |
| Hoegemeyer | 4123 E ↗ | E3 | 4.1 | R | 37.7 | 9.7 | 0 | 134.0 | 524 | 17 |
| Midland Genetics | 3999E3 ↗ | E3 | 3.9 | R | 37.4 | 9.7 | 0 | 136.5 | 520 | 18 |
| Lewis | 4703XF ↗ | RXF | 4.7 | R | 37.3 | 9.9 | 0 | 134.0 | 518 | 19 |
| Midland Genetics | 4602E3S ↗ | E3,ST | 4.6 | NA | 37.2 | 10.7 | 0 | 135.7 | 517 | 20 |
| Lewis | 4533XF ↗ | RXF | 4.5 | R | 37.1 | 9.4 | 0 | 139.0 | 516 | 21 |
| Pioneer | P42A84E § ↗ | E3 | 4.2 | R | 37.1 | 10.3 | 0 | 135.7 | 516 | 22 |
| Lewis | 4211XF ↗ | RXF,ST | 4.2 | R | 36.9 | 9.2 | 0 | 135.7 | 513 | 23 |
| Lewis | 3910XF ↗ | RXF | 3.9 | R | 36.9 | 9.9 | 0 | 134.0 | 513 | 24 |
| Stine | 41EE62 § ↗ | E3 | 4.1 | R | 36.7 | 9.6 | 0 | 134.0 | 510 | 25 |
| Hoegemeyer | 4743 E ↗ | E3 | 4.7 | R | 36.6 | 9.8 | 0 | 134.0 | 509 | 26 |
| Midland Genetics | 4221XFS ↗ | RXF,ST | 4.2 | MR | 36.6 | 9.9 | 0 | 137.3 | 509 | 27 |
| Midland Genetics | 4412E3S ↗ | E3,ST | 4.4 | MR | 36.3 | 9.8 | 0 | 132.3 | 505 | 28 |
| Pioneer | P40A23E GC ↗ | E3 | 4.0 | NA | 36.1 | 9.8 | 0 | 137.3 | 502 | 29 |
| Xitavo | XO 3803E ↗ | E3,ST | 3.8 | MR | 36.0 | 9.6 | 0 | 135.7 | 500 | 30 |



Adam Stuteville

adam.stuteville@firstseedtests.com, (913) 206-6080

Averages = **37.2** **9.7** **135.2** **519**

LSD (0.10) = 3.0 0.4 ns

LSD (0.25) = 1.6 0.2 ns

C.V. = 7.7

Historic yield: 42.86 bu/a, 9 yr(s)

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.04 Prices: GMO = \$13.90

Report Date: 10/24/2022

† 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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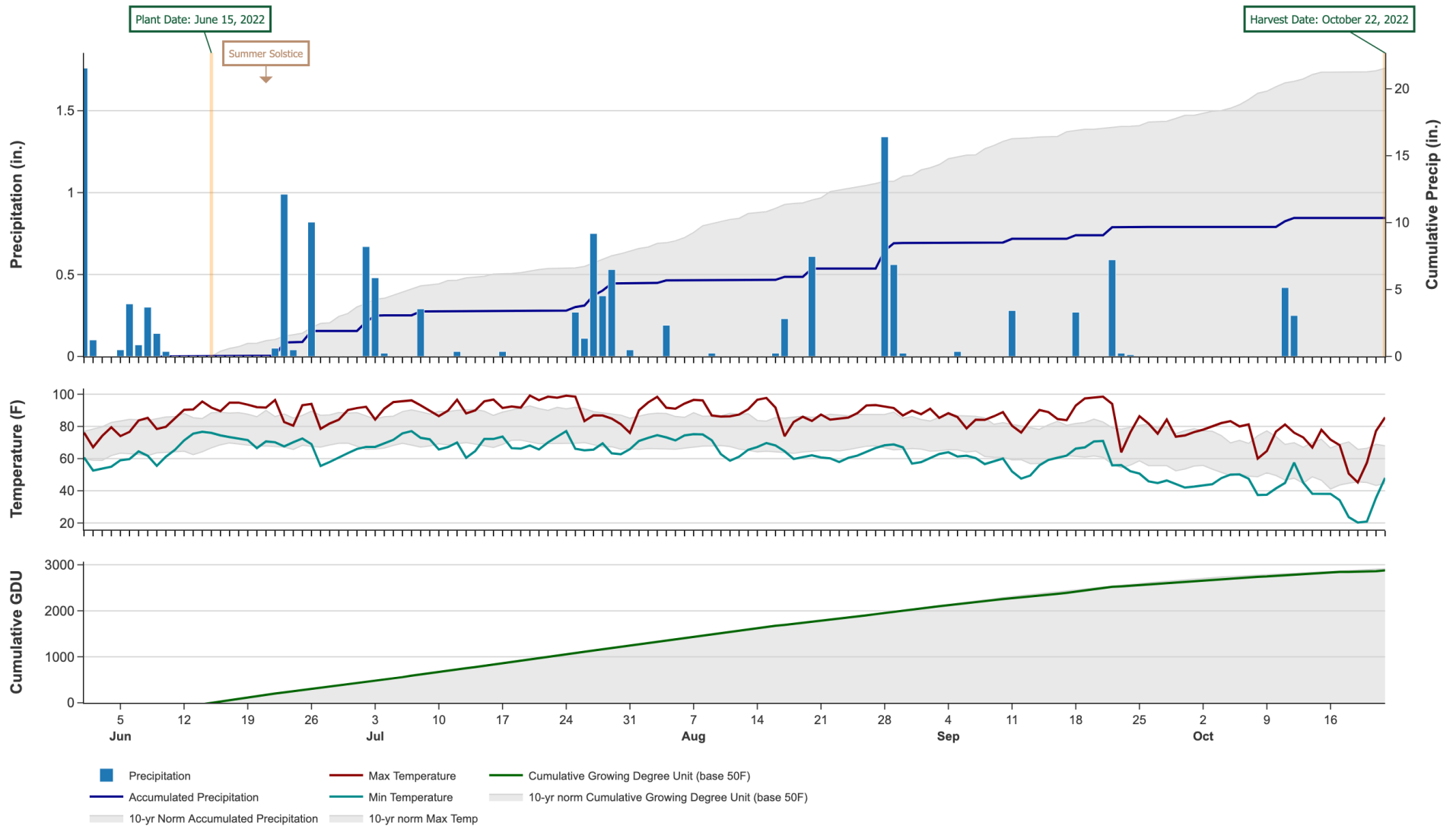
Additional reports available at www.firstseedtests.com

2022 Soybeans - Kansas East Central [KSEC]

Weather Conditions Summary at LA CYGNE, KS

Weather Data Retrieved: 10/24/2022

| Monthly Total | Jun* | Jul | Aug | Sep | Oct* | Total |
|-----------------------------|------------------|------------------|------------------|------------------|------------------|---------------------|
| Precip (in) Normal (Diff) | 4.7 4.8 (-0.1) | 3.6 4.7 (-1.1) | 3.0 5.7 (-2.7) | 1.2 4.5 (-3.3) | 0.7 3.5 (-2.9) | 13.1 23.1 (-10.0) |
| GDU Normal (Diff) | 718 752 (-34) | 839 842 (-3) | 799 799 (0) | 604 624 (-20) | 244 241 (+2) | 3204 3261 (-57) |



* 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.

2022 Soybeans - Kansas East Central [KSEC]

All-Season Test Products (37 Total)

| Company/Brand | Product/Brand | Technology | SCN | RM | Seed Treat. |
|------------------|---------------|------------|-----|-----|--------------|
| Asgrow | AG39XF3 § | RXF | R | 3.9 | ACi,IL |
| Asgrow | AG41XF2 § | RXF | R | 4.1 | ACi,IL |
| Asgrow | AG46XF2 § | RXF,ST | R | 4.6 | ACi,IL |
| DONMARIO | DM41F33S | RXF,ST | R | 4.1 | CMBV |
| DONMARIO | DM45F23 | RXF | S | 4.5 | CMBV |
| Golden Harvest | GH4222XF | RXF | R | 4.2 | CMBV,SA |
| Golden Harvest | GH4343XFS § | RXF,ST | R | 4.3 | CMBV,SA |
| Hoegemeyer | 3953 E | E3 | R | 3.9 | Lum,Lu,IL |
| Hoegemeyer | 4123 E | E3 | R | 4.1 | Lum,Lu,IL |
| Hoegemeyer | 4503 E | E3 | R | 4.5 | Lum,Lu,IL |
| Hoegemeyer | 4743 E | E3 | R | 4.7 | Lum,Lu,IL |
| Lewis | 3834XF | RXF | R | 3.8 | ACi |
| Lewis | 3910XF | RXF | R | 3.9 | ACi |
| Lewis | 4211XF | RXF,ST | R | 4.2 | ACi |
| Lewis | 4533XF | RXF | R | 4.5 | ACi |
| Lewis | 4703XF | RXF | R | 4.7 | ACi |
| Midland Genetics | 3999E3 | E3 | R | 3.9 | Edge-SST |
| Midland Genetics | 4221XF5 | RXF,ST | MR | 4.2 | Edge-SST |
| Midland Genetics | 4412E3S | E3,ST | MR | 4.4 | Edge-SST |
| Midland Genetics | 4602E3S | E3,ST | NA | 4.6 | Edge-SST |
| Midland Genetics | 4621XF5 | RXF,ST | MR | 4.6 | Edge-SST |
| NK Brand | NK44-J4XFS § | RXF,ST | R | 4.4 | CMBV,SA |
| NK Brand | NK45-V9E3 § | E3 | R | 4.5 | CMBV,SA |
| Pioneer | P38A54E GC | E3 | NA | 3.8 | Lum,Lu,IL |
| Pioneer | P40A23E GC | E3 | NA | 4.0 | Lum,Lu,IL |
| Pioneer | P42A84E § | E3 | R | 4.2 | Lum,Lu,IL |
| Pioneer | P44A91E § | E3 | NA | 4.4 | Lum,Lu,IL |
| Pioneer | P46A09E § | E3 | NA | 4.6 | Lum,Lu,IL |
| Stine | 38EF32 § | E3 | R | 3.8 | SFI |
| Stine | 41EE62 § | E3 | R | 4.1 | SFI |
| Stine | 44EE20 § | E3 | R | 4.4 | SFI |
| Xitavo | XO 3803E | E3,ST | MR | 3.8 | PV,IL,OB,Rey |
| Xitavo | XO 3861E | E3 | R | 3.8 | PV,IL,OB,Rey |
| Xitavo | XO 4132E | E3 | R | 4.1 | PV,IL,OB,Rey |
| Xitavo | XO 4522E | E3 | R | 4.5 | PV,IL,OB,Rey |
| Xitavo | XO 4653E | E3,ST | MR | 4.6 | PV,IL,OB,Rey |
| Xitavo | XO 4722E | E3 | MR | 4.7 | 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 Rating

| | |
|-----|---------------------|
| S | susceptible |
| MR | moderate resistance |
| R | resistant |
| n/a | info unavailable |

Soybeans Technologies

| | |
|-----|----------------------------|
| E3 | Enlist™ E3 |
| RXF | Roundup Ready 2 XtendFlex® |
| ST | Sulfonylurea tolerant |

Soybeans Seed Treatments*

| | |
|--------------|--|
| NA | Not Available |
| ACi | Acceleron® Standard Insecticide-Fungicide |
| ACi,IL | Acceleron® Standard Insecticide-Fungicide, ILeVO |
| CMBV | CruiserMaxx® Beans, Vibrance® |
| CMBV,SA | Cruisermaxx® Beans, Vibrance®, Saltro® |
| Edge-SST | Cruiser®, Apron XL®, Maxim®, Dynasty®, Mertect®, Optimize®, Saltro® (Midland Genetics) |
| Lum,Lu,IL | LumiGEN™, Lumisena™, ILeVO |
| PV,IL,OB,Rey | Poncho®/Votivo®, ILeVO, Obvius Plus, Relenya® |
| SFI | Stine XP F&I |

* Seed treatments may include unspecified plant health promoting components.