

2018 Soybean Top 30 Harvest Report

Kansas East Central [KSEC] LOUISBURG
Les Stuteville, Miami County, KS 66013



Test by: Agri Seed Research, LLC, Louisburg, KS

PREV. CROP/HERB: Corn / Dual II Magnum, atrazine, 2,4-D
SOIL DESCRIPTION: Grundy silt loam, non-irrigated
SOIL CONDITIONS: Low P, low K, 5.9 pH, 5.3% OM, 14.9 CEC
TILLAGE/CULTIVATION: No-till
PEST MANAGEMENT: Sharpen, Sencor, 2,4-D, Dual, Pronto
APPLIED N-P-K (units): 0-0-0
SEEDED - RATE - ROW: Jun 10 150,000 /A 30" Spacing
HARVESTED - STAND: Nov 17 138,900 /A

All-Season Test
Maturity Group 3.7 - 4.7
S2018KSEC02

Top 30 of 36

For Gross Income (Sorted by Yield)
Average of (3) Replications

| Company/Brand | Product/Brand† | Technol.† | Mat. | SCN Resist. | Yield Bu/A | Moisture % | Lodging % | Stand (x 1000) | Gross Income \$/Acre | Rank |
|----------------|------------------|-----------|------|-------------|-------------|------------|-----------|----------------|----------------------|------|
| Lewis | 4091X | RRX | 4.0 | R | 57.2 | 13.8 | 0 | 141.1 | \$434 | 1 |
| Asgrow | AG41X8 § | RRX,ST | 4.1 | R | 56.2 | 13.5 | 0 | 137.7 | \$427 | 2 |
| AgriGold | G4190RX | RRX,ST | 4.1 | R | 55.6 | 13.3 | 0 | 139.4 | \$422 | 3 |
| Golden Harvest | GH4542X § | RRX | 4.5 | R | 55.3 | 13.4 | 0 | 141.1 | \$420 | 4 |
| Asgrow | AG46X6 § | RRX | 4.6 | R | 55.3 | 13.4 | 0 | 142.7 | \$420 | 5 |
| LG Seeds | C4227RX | RRX,ST | 4.2 | R | 55.1 | 13.0 | 0 | 139.4 | \$419 | 6 |
| Hefty | H42X9 | RRX | 4.2 | MR | 55.1 | 13.2 | 0 | 142.7 | \$419 | 7 |
| Rob-See-Co | Innotech IS4236^ | RR2Y | 4.2 | R | 55.0 | 13.8 | 0 | 136.1 | \$417 | 8 |
| Renk | RS398NX | RRX | 3.9 | R | 54.8 | 13.6 | 0 | 139.4 | \$416 | 9 |
| AgriGold | G4750RX | RRX,ST | 4.7 | R | 54.8 | 13.6 | 0 | 139.4 | \$416 | 10 |
| AgriGold | G3830RX | RRX | 3.8 | R | 54.5 | 13.5 | 0 | 141.1 | \$414 | 11 |
| LG Seeds | C4710RX | RRX,ST | 4.7 | R | 54.1 | 13.4 | 0 | 137.7 | \$411 | 12 |
| Lewis | 4691X | RRX,ST | 4.6 | R | 54.1 | 13.5 | 0 | 139.4 | \$411 | 13 |
| Dyna-Gro | S43XS27 | RRX,ST | 4.3 | R | 54.0 | 13.3 | 0 | 136.1 | \$410 | 14 |
| Stine | 45RI02 § | RR2Y | 4.5 | R | 54.0 | 13.6 | 0 | 137.7 | \$410 | 15 |
| Lewis | 4182X | RRX,ST | 4.1 | R | 54.0 | 13.8 | 0 | 136.1 | \$410 | 16 |
| Lewis | 4272X | RRX,ST | 4.2 | R | 53.6 | 13.6 | 0 | 141.1 | \$407 | 17 |
| LG Seeds | C3985RX | RRX | 3.9 | R | 52.9 | 13.1 | 0 | 142.7 | \$402 | 18 |
| Pioneer | P40A47X | RRX | 4.0 | R | 52.9 | 13.4 | 0 | 139.4 | \$402 | 19 |
| LG Seeds | LGS3777RX | RRX | 3.7 | R | 52.9 | 13.5 | 0 | 139.4 | \$402 | 20 |
| Pioneer | P38T20X | RRX | 3.8 | R | 52.8 | 13.5 | 0 | 139.4 | \$401 | 21 |
| Dyna-Gro | S41XS98 | RRX,ST | 4.1 | R | 52.7 | 13.4 | 0 | 141.1 | \$400 | 22 |
| AgriGold | G4440RX | RRX,ST | 4.4 | R | 52.4 | 13.0 | 0 | 136.1 | \$398 | 23 |
| Golden Harvest | GH4307X § | RRX | 4.3 | R | 51.4 | 13.1 | 0 | 137.7 | \$391 | 24 |
| Lewis | 4572X | RRX,ST | 4.5 | R | 51.3 | 13.0 | 0 | 137.7 | \$390 | 25 |
| Lewis | 3792X | RRX | 3.7 | R | 51.1 | 12.9 | 0 | 137.7 | \$388 | 26 |
| Golden Harvest | GH3982X § | RRX | 3.9 | R | 50.6 | 13.4 | 0 | 139.4 | \$384 | 27 |
| Stine | 47RI02 § | RR2Y | 4.7 | R | 50.1 | 13.4 | 0 | 136.1 | \$380 | 28 |
| Renk | RS379NX | RRX | 3.7 | R | 49.4 | 13.1 | 0 | 136.1 | \$375 | 29 |
| Lewis | 4881X | RRX,ST | 4.7 | R | 49.4 | 13.4 | 0 | 139.4 | \$375 | 30 |

Averages = **52.4** **13.4** **0** **138.9** **\$398**

LSD (0.10) = 2.7 0.1 ns

LSD (0.25) = 1.4 0.1 ns

C.V. = 4.9 Prev. years avg. yield, 48.4 bu/a, 3 yrs

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.020 Prices = \$7.60 GMO; \$7.60 non-GMO

TEST COMMENTS: *This location was planted into a clean, moist seedbed and emerged great. May, June and July brought hot and dry weather. A couple showers here around July 4 were missed at most places. August and September brought rain and cooler temps. Growing season rainfall was 5" below normal. Plants were short with 5 to 7 pods per node. Precipitation (17") from Oct 1 to Nov 13 delayed harvest.*

† See last page for abbreviation descriptions. Results in **bold** are significantly above test average by LSD (0.10). **ns** = column values not significantly different.

Additional reports available at www.firstseedtests.com

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Report Date: 11/19/2018 Revised:

2018 Soybean - Kansas East Central [KSEC]

All-Season Test Products (36 Total)

| Company/Brand | Product/Brand | Technol. | Mat. | SCN | Seed Trt | Company/Brand | Product/Brand | Technol. | Mat. | SCN | Seed Trt |
|----------------|------------------|----------|------|-----|------------|---------------|---------------|----------|------|-----|----------|
| AgriGold | G3830RX | RRX | 3.8 | R | ASfi,IL | | | | | | |
| AgriGold | G4190RX | RRX,ST | 4.1 | R | ASfi,IL | | | | | | |
| AgriGold | G4440RX | RRX,ST | 4.4 | R | ASfi,IL | | | | | | |
| AgriGold | G4750RX | RRX,ST | 4.7 | R | ASfi,IL | | | | | | |
| Asgrow | AG41X8 § | RRX,ST | 4.1 | R | AC,PV | | | | | | |
| Asgrow | AG43X7 § | RRX,ST | 4.3 | R | AC,PV | | | | | | |
| Asgrow | AG46X6 § | RRX | 4.6 | R | AC,PV | | | | | | |
| Dyna-Gro | S41XS98 | RRX,ST | 4.1 | R | EQV,Ci | | | | | | |
| Dyna-Gro | S43XS27 | RRX,ST | 4.3 | R | EQV,Ci | | | | | | |
| Dyna-Gro | S46XS87 | RRX,ST | 4.6 | R | EQV,Ci | | | | | | |
| Golden Harvest | GH3982X § | RRX | 3.9 | R | CCB,Me | | | | | | |
| Golden Harvest | GH4307X § | RRX | 4.3 | R | CCB,Me | | | | | | |
| Golden Harvest | GH4542X § | RRX | 4.5 | R | CCB,Me | | | | | | |
| Hefty | H37X8S | RRX,ST | 3.7 | MR | DST | | | | | | |
| Hefty | H42X9 | RRX | 4.2 | MR | DST | | | | | | |
| Hefty | H45X8S | RRX,ST | 4.5 | MR | None | | | | | | |
| Lewis | 3792X | RRX | 3.7 | R | AC,PV | | | | | | |
| Lewis | 4091X | RRX | 4.0 | R | AC,PV | | | | | | |
| Lewis | 4182X | RRX,ST | 4.1 | R | AC,PV | | | | | | |
| Lewis | 4272X | RRX,ST | 4.2 | R | AC,PV | | | | | | |
| Lewis | 4393X | RRX,ST | 4.3 | R | AC,PV | | | | | | |
| Lewis | 4572X | RRX,ST | 4.5 | R | AC,PV | | | | | | |
| Lewis | 4691X | RRX,ST | 4.6 | R | AC,PV | | | | | | |
| Lewis | 4881X | RRX,ST | 4.7 | R | AC,PV | | | | | | |
| LG Seeds | C3985RX | RRX | 3.9 | R | ASfi,IL | | | | | | |
| LG Seeds | C4227RX | RRX,ST | 4.2 | R | ASfi,IL | | | | | | |
| LG Seeds | C4710RX | RRX,ST | 4.7 | R | ASfi,IL | | | | | | |
| LG Seeds | LGS3777RX | RRX | 3.7 | R | ASfi,IL | | | | | | |
| Pioneer | P38T20X | RRX | 3.8 | R | EE,G,IL,Lu | | | | | | |
| Pioneer | P40A47X | RRX | 4.0 | R | EE,G,IL,Lu | | | | | | |
| Renk | RS379NX | RRX | 3.7 | R | EcTC | | | | | | |
| Renk | RS398NX | RRX | 3.9 | R | EcTC | | | | | | |
| Rob-See-Co | Innotech IS3990^ | RR2Y | 3.9 | R | CMBV | | | | | | |
| Rob-See-Co | Innotech IS4236^ | RR2Y | 4.2 | R | CMBV | | | | | | |
| Stine | 45RI02 § | RR2Y | 4.5 | R | SF | | | | | | |
| Stine | 47RI02 § | RR2Y | 4.7 | R | SF | | | | | | |
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Footnotes and Abbreviation Descriptions

Brand Footnotes

| | |
|----|---|
| ^ | Innotech™ brand seed is distributed by Rob-See-Co, LLC. Innotech™ is a trademark of Syngenta. |
| 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 Technologies

| | |
|------|---------------------------------|
| G27 | GT27™ |
| LL | LibertyLink® |
| None | Conventional, non-GMO |
| RR | Glyphosate tolerant |
| RR2Y | Genuity® Roundup Ready 2 Yield® |
| RRX | Roundup Ready 2 Xtend® |
| ST | Sulfonylurea herbicide tolerant |

Soybean Cyst Nematode (SCN) Resistance Rating

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

Soybean Seed Treatments*

| | | | |
|-------|---|------|----------------------------------|
| ? | Information not provided | Gr+ | Great Start™ Max Plus |
| A2020 | Alert 2020™ | I | insecticide |
| AC | Acceleron® fungicide products | IL | ILeVO® |
| ACi | Acceleron® fungicide and insecticide products | In | Intego™ Solo |
| AM | ApronMaxx® | IS | Intego™ Suite |
| ASfi | AgriShield® F+I | Lu | Lumisena™ |
| AVB | Avicta® Complete Beans | Me | Mertect® |
| AVBV | Avicta® Complete Beans with Vibrance | None | untreated |
| BB | Buckeye Boost ST | Pd | proTect D™ |
| CCB | Clariva™ Complete Beans | PG+ | Profit Guard +™ |
| CI | Clariva™ pn | PS | MAS Pro-Shield |
| CMB | CruiserMaxx® Beans | PV | Poncho®/Votivo® |
| CMBV | CruiserMaxx® Beans with Vibrance | R | Redigo™ |
| DPHB | DPH Boost® | Ret | Revize® SB+T |
| DST | Dominance™ ST | Ri | Rizolex™ |
| DX | Defend™ Extra | SF | Stine XP F |
| EcTC | Eclipse™ US Total coverage | SFI | Stine XP fungicide & insecticide |
| EE | Evergol™ Energy | SS | Soyshield™ |
| EL | Elevate™ F+I | SS+ | Soyshield Plus™ |
| EL+ | Elevate™ Plus | TE | Trius Elite™ |
| En | Encase® | TT | Turbo Treat™ |
| EQV | Equity® VIP | W | Warden® CX |
| Es | Escalate™ | Wr | Warden® RTA |
| F | fungicide | YPP | YP Pro™ |
| G | Gaucho® | | |

* Seed treatments may include unspecified plant health promoting components.