

Test by: North Iowa F.I.R.S.T., Inc Sanborn, IA

2019 Soybeans Top 30 Harvest Report

Iowa Northwest [IANW] HARTLEY, IA
Clint Van Beek, O'Brien County, IA 51346

Early-Season Test 2.1 - 2.4 Day CRM
S2019IANW02a

Top 30 of 36 For Gross Income
(Sorted by Yield)
Average of (3) Replications

PREV. CROP/HERB: Corn / Resicore

SOIL DESCRIPTION: Galva silty clay loam, well
drained, non-irrigated

SOIL CONDITION: very high P, very high K, 6.5
pH, 4.9% OM, 26.5 CEC

TILLAGE/CULTIVATION: Conventional W/ Fall Till

PEST MANAGEMENT: Zidua Pro, Flexstar, Roundup,
Leverage 360

Applied N-P-K (units): 0-0-0

SEEDED - RATE - ROW: Jun 4 144.0 /A 30" spacing

HARVESTED - STAND: Oct 15 127.9 /A

TEST COMMENTS:

Wet spring weather pushed back soybean planting in this area several weeks beyond normal planting dates. Once in the ground, weather patterns were seasonal. This site is very high in fertility which produced tall plants and created an environment favoring white mold. There were noticeable differences in plant heights and white mold severity among varieties. Differences in lodging were also noted.

| Company/Brand | Product/Brand | Technol.† | RM | SCN Resist. | Yield Bu/A | Moisture % | Lodging % | Stand (x 1000) | Gross Income \$/Acre | Rank |
|----------------|---------------|-----------|-----|-------------|-------------|------------|-----------|----------------|----------------------|------|
| NK BRAND | S21-W8X § | RRX | 2.1 | R | 63.9 | 13.0 | 1 | 134.1 | 543 | 1 |
| GOLDEN HARVEST | GH1915X § | RRX | 1.9 | R | 63.1 | 13.1 | 1 | 127.9 | 536 | 2 |
| PIONEER | P24A99X § | RRX | 2.4 | R | 62.4 | 13.6 | 14 | 130.5 | 530 | 3 |
| ASGROW | AG20X9 § | RRX | 2.0 | R | 61.0 | 13.3 | 1 | 130.2 | 518 | 4 |
| PIONEER | P21A28X § | RRX | 2.1 | R | 60.9 | 13.0 | 1 | 130.2 | 518 | 5 |
| LATHAM | L 2395 LLGT27 | LG27 | 2.3 | R | 60.5 | 13.8 | 1 | 129.7 | 513 | 6 |
| CHAMPION | 2220GTLL | LG27 | 2.2 | R | 60.1 | 13.8 | 18 | 125.7 | 510 | 7 |
| HEFTY | H23X0 | RRX | 2.3 | R | 59.7 | 13.6 | 1 | 129.3 | 507 | 8 |
| LATHAM | L2295R2X | RRX | 2.2 | R | 59.7 | 13.2 | 20 | 130.4 | 507 | 9 |
| KRUGER | K2X-2283 | RRX | 2.2 | R | 59.6 | 13.9 | 1 | 122.1 | 506 | 10 |
| LEGEND | LS 20X963N | RRX | 2.0 | MR | 59.0 | 13.3 | 1 | 130.4 | 501 | 12 |
| CREDENZ | CZ 2040GTLL | LG27 | 2.0 | R | 58.6 | 13.0 | 1 | 130.2 | 498 | 13 |
| CREDENZ | CZ 2360GTLL | LG27 | 2.3 | MR | 58.3 | 13.6 | 1 | 123.5 | 495 | 14 |
| GOLDEN HARVEST | GH2230X | RRX | 2.2 | R | 57.6 | 13.2 | 9 | 128.2 | 489 | 15 |
| FS HISOY | HS 21X90 | RRX | 2.1 | R | 57.2 | 13.4 | 1 | 121.5 | 486 | 16 |
| HEFTY | H24X8 | RRX | 2.4 | MR | 57.1 | 13.9 | 9 | 130.7 | 484 | 17 |
| CHAMPION | 21X99N | RRX | 2.1 | R | 56.9 | 13.4 | 1 | 127.5 | 483 | 18 |
| HOEGEMEYER | 1910 E | E3 | 1.9 | R | 55.6 | 13.5 | 6 | 125.8 | 472 | 19 |
| LEGEND | LS 201E964N | E3 | 2.1 | R | 55.5 | 13.5 | 1 | 126.8 | 471 | 20 |
| FS HISOY | HS 24X80 | RRX | 2.4 | R | 54.8 | 13.8 | 1 | 129.0 | 465 | 21 |
| TITAN PRO | 22E8 | E3 | 2.2 | R | 54.8 | 13.4 | 1 | 126.3 | 465 | 23 |
| KRUGER | K2X-2172 | RRX | 2.1 | R | 54.7 | 13.4 | 30 | 123.5 | 465 | 22 |
| HOEGEMEYER | 2202 NX | RRX | 2.2 | R | 53.9 | 14.2 | 1 | 125.5 | 457 | 24 |
| FS HISOY | HS 23X70 | RRX | 2.3 | R | 53.8 | 14.3 | 1 | 126.2 | 456 | 25 |
| TITAN PRO | 24GL9 | LG27 | 2.4 | R | 53.7 | 13.7 | 1 | 126.3 | 456 | 26 |
| TITAN PRO | TP-24X87 | RRX | 2.4 | R | 53.4 | 13.9 | 24 | 128.5 | 453 | 27 |
| LATHAM | L2368R2X | RRX | 2.3 | R | 53.0 | 13.8 | 1 | 127.5 | 450 | 28 |
| CHAMPION | 24X98N | RRX | 2.4 | R | 50.8 | 13.9 | 10 | 131.6 | 431 | 29 |
| HEFTY | Z2301E | E3 | 2.3 | R | 50.3 | 14.1 | 17 | 126.3 | 426 | 30 |
| NK BRAND | S18-G4X § | RRX | 1.8 | R | 47.5 | 13.5 | 26 | 127.3 | 403 | 31 |
| CROPLAN | R2C2450 CK | RR2Y | 2.4 | R | 59.0 | 13.4 | 1 | 125.0 | 501 | 11 |

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Averages = **55.1** **13.6** **7** **127.9** **468**

LSD (0.10) = 4.7 0.3 12

LSD (0.25) = 2.5 0.2 6

C.V. = 8.1

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.02 Prices: GMO = \$8.50

Report Date: 10/16/2019

Revised:10/25/2019 (DATA change, incorrect product removed from full-season test)

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

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2019 Soybeans Top 30 Harvest Report

Iowa Northwest [IANW] HARTLEY, IA
Clint Van Beek, O'Brien County, IA 51346

| | |
|-------------------------------|--|
| Full-Season Test | 2.5 - 2.8 Day CRM S2019IANW02b |
| Top 30 of 41 | For Gross Income (Sorted by Yield) Average of (3) Replications |
| PREV. CROP/HERB: | Corn / Resicore |
| SOIL DESCRIPTION: | Galva silty clay loam, well drained, non-irrigated |
| SOIL CONDITION: | very high P, very high K, 6.5 pH, 4.9% OM, 26.5 CEC |
| TILLAGE/CULTIVATION: | Conventional W/ Fall Till |
| PEST MANAGEMENT: | Zidua Pro, Flexstar, Roundup, Leverage 360 |
| Applied N-P-K (units): | 0-0-0 |
| SEEDED - RATE - ROW: | Jun 4 144.0 /A 30" spacing |
| HARVESTED - STAND: | Oct 15 125.9 /A |

TEST COMMENTS:

Wet spring weather pushed back soybean planting in this area several weeks beyond normal planting dates. Once in the ground, weather patterns were seasonal. This site is very high in fertility which produced tall plants and created an environment favoring white mold. There were noticeable differences in plant heights and white mold severity among varieties. Differences in lodging were also noted.

| Company/Brand | Product/Brand | Technol.† | RM | SCN Resist. | Yield Bu/A | Moisture % | Lodging % | Stand (x 1000) | Gross Income \$/Acre | Rank |
|----------------|---------------|-----------|-----|-------------|-------------|------------|-----------|----------------|----------------------|------|
| HEFTY | H25X0 | RRX | 2.5 | R | 61.9 | 14.9 | 1 | 124.8 | 524 | 1 |
| PIONEER | P27A17X § | RRX | 2.7 | R | 60.6 | 15.0 | 1 | 127.0 | 513 | 2 |
| CHAMPION | 25X70N | RRX | 2.5 | R | 59.9 | 14.6 | 1 | 126.8 | 507 | 3 |
| PIONEER | P25A70R GC | RR | 2.5 | R | 59.9 | 14.9 | 1 | 129.0 | 507 | 5 |
| KRUGER | K2X-2673 | RRX | 2.6 | R | 59.3 | 15.0 | 1 | 126.0 | 502 | 6 |
| LATHAM | L 2549R2X | RRX | 2.5 | R | 59.1 | 13.8 | 1 | 127.5 | 501 | 7 |
| FS HISOY | HS 27X90 | RRX | 2.7 | R | 59.0 | 15.0 | 6 | 123.0 | 499 | 8 |
| CHAMPION | 27X90N | RRX | 2.7 | R | 58.6 | 15.0 | 13 | 124.0 | 496 | 9 |
| KRUGER | K2X-2863 | RRX | 2.8 | R | 58.3 | 15.3 | 1 | 122.5 | 493 | 10 |
| ASGROW | AG27X0 | RRX | 2.7 | R | 57.0 | 15.2 | 1 | 125.1 | 482 | 11 |
| TITAN PRO | TP-28X47 | RRX | 2.8 | R | 56.5 | 15.5 | 1 | 120.3 | 477 | 12 |
| AGRIGOLD | G2505RX GC | RRX | 2.5 | R | 56.1 | 14.9 | 1 | 123.1 | 475 | 13 |
| KRUGER | K2X-2652 | RRX | 2.6 | R | 55.9 | 15.0 | 35 | 126.3 | 473 | 14 |
| ASGROW | AG26X0 | RRX | 2.6 | R | 55.7 | 14.6 | 1 | 128.0 | 472 | 15 |
| FS HISOY | HS 28X70 | RRX | 2.8 | R | 55.7 | 15.4 | 1 | 124.3 | 471 | 16 |
| LATHAM | L 2578 LLGT27 | LG27 | 2.5 | R | 55.2 | 14.5 | 6 | 129.4 | 468 | 17 |
| HOEGEMEYER | 2540 E | E3 | 2.5 | R | 55.0 | 14.9 | 6 | 127.5 | 465 | 18 |
| TITAN PRO | 28GL9 | LG27 | 2.8 | R | 54.9 | 15.3 | 1 | 129.0 | 464 | 20 |
| HOEGEMEYER | 2781 NX | RRX | 2.7 | R | 54.8 | 15.0 | 22 | 127.3 | 464 | 19 |
| GOLDEN HARVEST | GH2788X | RRX | 2.7 | R | 54.5 | 14.9 | 1 | 122.3 | 461 | 21 |
| FS HISOY | HS 26X90 | RRX | 2.6 | R | 54.4 | 15.0 | 25 | 128.7 | 460 | 22 |
| TITAN PRO | 28E8 | E3 | 2.8 | R | 54.1 | 15.2 | 2 | 125.3 | 457 | 23 |
| KRUGER | K2X-2573 | RRX | 2.5 | R | 53.9 | 14.6 | 4 | 127.8 | 456 | 25 |
| HEFTY | Z2700E | E3 | 2.7 | R | 53.9 | 14.8 | 1 | 129.4 | 456 | 24 |
| BECKS | 2559X2 | RRX | 2.5 | R | 53.8 | 15.2 | 1 | 127.0 | 455 | 26 |
| CHAMPION | 2820GTLL | LG27 | 2.8 | R | 53.8 | 15.2 | 1 | 126.8 | 455 | 27 |
| HEFTY | H25E0 | E3 | 2.5 | R | 53.4 | 15.5 | 1 | 126.3 | 451 | 29 |
| ASGROW | AG25X0 | RRX | 2.5 | R | 53.3 | 14.8 | 1 | 120.5 | 451 | 28 |
| FS HISOY | HS 25X70 | RRX | 2.5 | R | 52.9 | 14.9 | 1 | 122.0 | 448 | 30 |
| CHAMPION | 2889EN | E3 | 2.8 | R | 52.8 | 15.5 | 1 | 126.3 | 446 | 31 |
| CROPLAN | R2C2450 CK | RR2Y | 2.4 | R | 59.7 | 13.5 | 1 | 129.5 | 507 | 4 |

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|--------------|-------------|-------------|----------|--------------|------------|
| Averages = | 55.0 | 15.0 | 4 | 125.9 | 465 |
| LSD (0.10) = | 4.3 | 0.4 | 8 | | |
| LSD (0.25) = | 2.2 | 0.2 | 4 | | |
| C.V. = | 7.3 | | | | |

Yield & Income Factors:

Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.02 Prices: GMO = \$8.50

Report Date: 10/16/2019

Revised:10/25/2019 (DATA change, incorrect product removed from full-season test)

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

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2019 Soybeans - Iowa Northwest [IANW]

Early-Season Test Products (36 Total)

| Company/Brand | Product/Brand | Technology | SCN | RM |
|----------------|---------------|------------|-----|-----|
| ASGROW | AG20X9 § | RRX | R | 2.0 |
| CHAMPION | 21X99N | RRX | R | 2.1 |
| CHAMPION | 2220GTLL | LG27 | R | 2.2 |
| CHAMPION | 2370EN | E3 | R | 2.3 |
| CHAMPION | 24X98N | RRX | R | 2.4 |
| CREDENZ | CZ 2040GTLL | LG27 | R | 2.0 |
| CREDENZ | CZ 2360GTLL | LG27 | MR | 2.3 |
| CROPLAN | R2C2450 CK | RR2Y | R | 2.4 |
| FS HISOY | HS 21X90 | RRX | R | 2.1 |
| FS HISOY | HS 22X90 | RRX | R | 2.2 |
| FS HISOY | HS 23X70 | RRX | R | 2.3 |
| FS HISOY | HS 24X80 | RRX | R | 2.4 |
| GOLDEN HARVEST | GH1915X § | RRX | R | 1.9 |
| GOLDEN HARVEST | GH2230X | RRX | R | 2.2 |
| HEFTY | H23X0 | RRX | R | 2.3 |
| HEFTY | H24X8 | RRX | MR | 2.4 |
| HEFTY | Z2301E | E3 | R | 2.3 |
| HEFTY | Z2400E | E3 | R | 2.4 |
| HOEGEMEYER | 1910 E | E3 | R | 1.9 |
| HOEGEMEYER | 2202 NX | RRX | R | 2.2 |
| KRUGER | K2X-2172 | RRX | R | 2.1 |
| KRUGER | K2X-2283 | RRX | R | 2.2 |
| LATHAM | L2295R2X | RRX | R | 2.2 |
| LATHAM | L2368R2X | RRX | R | 2.3 |
| LATHAM | L 2395 LLGT27 | LG27 | R | 2.3 |
| LATHAM | L 2429 E3 | E3 | R | 2.4 |
| LEGEND | LS 201E964N | E3 | R | 2.1 |
| LEGEND | LS 20X963N | RRX | MR | 2.0 |
| NK BRAND | S18-G4X § | RRX | R | 1.8 |
| NK BRAND | S21-W8X § | RRX | R | 2.1 |
| PIONEER | P21A28X § | RRX | R | 2.1 |
| PIONEER | P24A99X § | RRX | R | 2.4 |
| TITAN PRO | 22E8 | E3 | R | 2.2 |
| TITAN PRO | 23E9 | E3 | R | 2.3 |
| TITAN PRO | 24GL9 | LG27 | R | 2.4 |
| TITAN PRO | TP-24X87 | RRX | R | 2.4 |

2019 Soybeans - Iowa Northwest [IANW]

Full-Season Test Products (41 Total)

| Company/Brand | Product/Brand | Technology | SCN | RM |
|----------------|---------------|------------|-----|-----|
| AGRIGOLD | G2505RX GC | RRX | R | 2.5 |
| ASGROW | AG25X0 | RRX | R | 2.5 |
| ASGROW | AG26X0 | RRX | R | 2.6 |
| ASGROW | AG27X0 | RRX | R | 2.7 |
| BECKS | 2559X2 | RRX | R | 2.5 |
| CHAMPION | 25X70N | RRX | R | 2.5 |
| CHAMPION | 27X90N | RRX | R | 2.7 |
| CHAMPION | 2820GTLL | LG27 | R | 2.8 |
| CHAMPION | 2889EN | E3 | R | 2.8 |
| CREDENZ | CZ 2579GTLL | LG27 | MR | 2.5 |
| CREDENZ | CZ 2830GTLL | LG27 | R | 2.8 |
| CREDENZ | CZ 2889GTLL | LG27 | MR | 2.8 |
| CROPLAN | R2C2450 CK | RR2Y | R | 2.4 |
| FS HISOY | HS 25X70 | RRX | R | 2.5 |
| FS HISOY | HS 26X90 | RRX | R | 2.6 |
| FS HISOY | HS 27X90 | RRX | R | 2.7 |
| FS HISOY | HS 28X70 | RRX | R | 2.8 |
| GOLDEN HARVEST | GH2552X | RRX | MR | 2.5 |
| GOLDEN HARVEST | GH2788X | RRX | R | 2.7 |
| HEFTY | H25E0 | E3 | R | 2.5 |
| HEFTY | H25X0 | RRX | R | 2.5 |
| HEFTY | Z2700E | E3 | R | 2.7 |
| HOEGEMEYER | 2540 E | E3 | R | 2.5 |
| HOEGEMEYER | 2781 NX | RRX | R | 2.7 |
| KRUGER | K2X-2573 | RRX | R | 2.5 |
| KRUGER | K2X-2652 | RRX | R | 2.6 |
| KRUGER | K2X-2673 | RRX | R | 2.6 |
| KRUGER | K2X-2863 | RRX | R | 2.8 |
| LATHAM | L 2549R2X | RRX | R | 2.5 |
| LATHAM | L 2578 LLGT27 | LG27 | R | 2.5 |
| LATHAM | L 2839 LLGT27 | LG27 | R | 2.8 |
| NK BRAND | S25-V8X | RRX | MR | 2.5 |
| NK BRAND | S27-M8X | RRX | R | 2.7 |
| PIONEER | P25A70R GC | RR | R | 2.5 |
| PIONEER | P27A17X § | RRX | R | 2.7 |
| PIONEER | P27T59R GC | RR | R | 2.7 |

| Company/Brand | Brand/Product | Technology | RM | SCN |
|---------------|---------------|------------|----|-----|
| STINE | 27EA23 | E3 | R | 2.7 |
| TITAN PRO | 25E8 | E3 | R | 2.5 |
| TITAN PRO | 28E8 | E3 | R | 2.8 |
| TITAN PRO | 28GL9 | LG27 | R | 2.8 |
| TITAN PRO | TP-28X47 | RRX | R | 2.8 |

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™ |
| 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 |
