

Test by: F.I.R.S.T. CCB, Inc. Elizabeth, IL

2020 Soybeans Top 30 Harvest Report

Iowa South Central [IASC] BAYARD, IA
Mike Hagan, Mike Hagan, Guthrie County, IA

| | |
|-------------------------------|--|
| Early-Season Test | 2.3 - 2.7 Day CRM S2020IASC44a |
| Top 30 of 42 | For Gross Income (Sorted by Yield) Average of (3) Replications |
| PREV. CROP/HERB: | Corn / NA |
| SOIL DESCRIPTION: | Nicollet, Clarion loam, mod. well drained, non-irrigated |
| SOIL CONDITION: | very high P, high K, 6.7 pH, 3.6% OM, 21.2 CEC |
| TILLAGE/CULTIVATION: | Conventional W/ Fall Till |
| PEST MANAGEMENT: | Not Available |
| Applied N-P-K (units): | 0-0-0 |
| SEDED - RATE - ROW: | May 2 150.0 /A 15" spacing |
| HARVESTED - STAND: | Sep 28 142.5 /A |

TEST COMMENTS:

The soil was on the dry side at planting but did receive some much-needed rain after planting. Plants emerged well, then drought conditions set in and set yields back in the area. Some weed pressure also affected the plot. Plants stood 30 to 36 inches with a few shorter. Plants were well matured and there was some pod shatter.

| Company/Brand | Product/Brand | Technol.† | RM | SCN Resist. | Yield Bu/A ↓ | Moisture % | Lodging % | Stand (x 1000) | Gross Income \$/Acre | Rank |
|----------------|---------------|-----------|-----|-------------|--------------|-------------|-------------|----------------|----------------------|--------------------------|
| STINE | 26EB23 § | E3 | 2.6 | R | 60.1 | 11.3 | 1 | 144.0 | 505 | 1 |
| LATHAM | L 2578 LLGT27 | LLGT27 | 2.5 | R | 58.9 | 11.5 | 1 | 141.3 | 495 | 2 |
| GOLDEN HARVEST | GH2230X | RRX | 2.2 | R | 58.5 | 13.1 | 1 | 141.3 | 492 | 3 |
| KRUGER | K2X-2673 | RRX | 2.6 | R | 57.1 | 11.3 | 1 | 144.0 | 480 | 4 |
| KRUGER | K2X-2573 | RRX | 2.5 | R | 55.7 | 11.5 | 1 | 144.0 | 468 | 5 |
| LATHAM | L 2682 R2X | RRX | 2.6 | R | 55.7 | 12.0 | 1 | 144.0 | 468 | 6 |
| STINE | 24EA12 § | E3 | 2.4 | R | 55.6 | 12.6 | 1 | 144.0 | 468 | 7 |
| CREDENZ | CZ 2760GTLL | LLGT27 | 2.7 | R | 55.4 | 10.7 | 1 | 144.0 | 466 | 8 |
| GOLDEN HARVEST | GH2552X | RRX | 2.5 | MR | 55.3 | 10.8 | 1 | 141.3 | 465 | 9 |
| RENK | RS248NX | RRX | 2.4 | R | 54.9 | 10.3 | 1 | 144.0 | 462 | 10 |
| NK BRAND | S27-M8X § | RRX | 2.7 | R | 54.8 | 13.3 | 1 | 141.3 | 460 | 11 |
| LATHAM | L 2638 E3 | E3 | 2.6 | R | 54.4 | 12.7 | 1 | 144.0 | 458 | 12 |
| FS HISOY | HS 25E00 | E3 | 2.5 | R | 54.1 | 12.7 | 1 | 144.0 | 455 | 13 |
| CREDENZ | CZ 2550GTLL | LLGT27 | 2.5 | MR | 53.0 | 11.4 | 1 | 144.0 | 446 | 14 |
| ASGROW | AG26X0 § | RRX | 2.6 | R | 52.4 | 12.5 | 1 | 144.0 | 441 | 15 |
| GOLDEN HARVEST | GH2788X § | RRX | 2.7 | R | 51.9 | 13.5 | 1 | 141.3 | 436 | 16 |
| NUTECH | 24N04E | E3 | 2.4 | R | 51.5 | 10.9 | 1 | 144.0 | 433 | 17 |
| LATHAM | L 2379 E3 | E3 | 2.3 | R | 50.4 | 12.0 | 1 | 144.0 | 424 | 18 |
| GENESIS | G2550E | E3 | 2.5 | R | 49.8 | 12.1 | 1 | 144.0 | 419 | 19 |
| NK BRAND | S23-G5X | RRX | 2.3 | MR | 49.6 | 12.8 | 1 | 136.0 | 417 | 20 |
| ARMOR | A23-E89 | E3 | 2.3 | MR | 49.5 | 14.3 | 1 | 144.0 | 415 | 21 |
| PIONEER | P25A04X GC | RRX | 2.5 | R | 49.4 | 11.6 | 1 | 144.0 | 415 | 22 |
| APEX | AE2510 | E3 | 2.5 | R | 49.4 | 12.6 | 1 | 144.0 | 415 | 23 |
| FS HISOY | HS 23X70 | RRX | 2.3 | R | 49.1 | 12.7 | 1 | 141.3 | 413 | 24 |
| RENK | RS250NX | RRX | 2.5 | R | 49.1 | 13.1 | 1 | 138.7 | 413 | 25 |
| CHANNEL | 2519R2X GC | RRX | 2.5 | S | 48.7 | 13.7 | 1 | 144.0 | 409 | 26 |
| GOLDEN HARVEST | GH2329X | RRX | 2.3 | MR | 47.6 | 12.7 | 1 | 138.7 | 400 | 27 |
| NUTECH | 24N02E | E3 | 2.4 | R | 47.3 | 14.3 | 1 | 138.7 | 396 | 28 |
| APEX | AE2310 | E3 | 2.3 | R | 46.8 | 13.5 | 1 | 141.3 | 393 | 30 |
| CORNELIUS | CB27X81 | RRX | 2.7 | R | 46.8 | 11.3 | 1 | 144.0 | 394 | 29 |
| PIONEER | P28A42X CK | RRX | 2.8 | NA | 46.4 | 14.6 | 1 | 144.0 | 388 | 32 |
| | | | | | Averages = | 50.1 | 12.5 | 1 | 142.5 | 421 |
| | | | | | LSD (0.10) = | 5.0 | 1.1 | ns | | |
| | | | | | LSD (0.25) = | 2.6 | 0.6 | ns | | |
| | | | | | C.V. = | 9.5 | | | | Historic yield: new site |



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Yield & Income Factors:

Base Moisture = 13.0%

Shrink = 1.3

Drying = \$0.025

Prices: GMO = \$8.41

Report Date: 10/11/2020

† 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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Additional reports available at www.firstseedtests.com

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2020 Soybeans Top 30 Harvest Report

Iowa South Central [IASC] BAYARD, IA
Mike Hagan, Mike Hagan, Guthrie County, IA

| | |
|-------------------------------|--|
| Full-Season Test | 2.8 - 3.2 Day CRM S2020IASC44b |
| Top 30 of 42 | For Gross Income (Sorted by Yield) Average of (3) Replications |
| PREV. CROP/HERB: | Corn / NA |
| SOIL DESCRIPTION: | Nicollet, Clarion loam, mod. well drained, non-irrigated |
| SOIL CONDITION: | very high P, high K, 6.7 pH, 3.6% OM, 21.2 CEC |
| TILLAGE/CULTIVATION: | Conventional W/ Fall Till |
| PEST MANAGEMENT: | Not Available |
| Applied N-P-K (units): | 0-0-0 |
| SEDED - RATE - ROW: | May 2 150.0 /A 15" spacing |
| HARVESTED - STAND: | Sep 28 143.2 /A |

TEST COMMENTS:

The soil was on the dry side at planting but did receive some much-needed rain after planting. Plants emerged well, then drought conditions set in and set yields back in the area. Some weed pressure also affected the plot. Plants stood 30 to 36 inches with a few shorter. Plants were well matured and there was some pod shatter.

| Company/Brand | Product/Brand | Technol.† | RM | SCN Resist. | Yield Bu/A ↓ | Moisture % | Lodging % | Stand (x 1000) | Gross Income \$/Acre | Rank |
|----------------|--------------------|---------------|-----|-------------|--------------|-------------|-------------|----------------|----------------------|--------------------------|
| FS HISOY | HS 32E00 | E3 | 3.2 | R | 60.0 | 17.0 | 1 | 144.0 | 499 | 1 |
| RENK | RS301NX | RRX | 3.1 | R | 57.7 | 13.6 | 1 | 144.0 | 484 | 2 |
| FS HISOY | HS 30X00 | RRX | 3.0 | R | 56.1 | 11.7 | 1 | 144.0 | 472 | 3 |
| KRUGER | K2X-2971 | RRX | 2.9 | R | 56.1 | 10.1 | 1 | 144.0 | 472 | 4 |
| CHANNEL | 2820R2X GC | RRX | 2.8 | NA | 55.7 | 10.1 | 1 | 144.0 | 468 | 5 |
| HOEGEMEYER | 3030 E | E3 | 3.0 | R | 53.1 | 12.9 | 1 | 144.0 | 447 | 6 |
| PIONEER | P29A25X GC | RRX | 2.9 | R | 52.7 | 13.6 | 1 | 144.0 | 442 | 7 |
| GOLDEN HARVEST | GH3088X § | RRX | 3.0 | R | 52.5 | 12.8 | 1 | 144.0 | 442 | 8 |
| HOEGEMEYER | 2970 E | E3 | 2.9 | R | 51.5 | 13.5 | 1 | 144.0 | 433 | 9 |
| CORNELIUS | CB29X33 | RRX | 2.9 | R | 50.8 | 10.8 | 1 | 138.7 | 427 | 10 |
| LATHAM | E 3148 LLGT27 | LLGT27 | 3.1 | R | 50.6 | 11.9 | 1 | 144.0 | 426 | 11 |
| LATHAM | L 2887 R2X | RRX | 2.8 | R | 49.4 | 9.8 | 1 | 144.0 | 415 | 12 |
| NK BRAND | S31-E3S | E3,ST | 3.1 | MR | 49.3 | 12.1 | 1 | 144.0 | 415 | 13 |
| LATHAM | L 3197 R2X | RRX | 3.1 | R | 48.9 | 15.9 | 1 | 144.0 | 408 | 14 |
| <i>CREDENZ</i> | <i>CZ 3099GTLL</i> | <i>LLGT27</i> | 3.0 | R | 48.6 | 19.2 | 1 | 144.0 | 401 | 16 |
| CREDENZ | CZ 2830GTLL | LLGT27 | 2.8 | R | 48.3 | 10.4 | 1 | 144.0 | 406 | 15 |
| NUTECH | 30N03E | E3 | 3.0 | R | 47.7 | 11.4 | 1 | 144.0 | 401 | 17 |
| PIONEER | P33A53X GC | RRX | 3.3 | R | 47.5 | 13.9 | 1 | 144.0 | 398 | 18 |
| GOLDEN HARVEST | GH3152E3S | E3,ST | 3.1 | MR | 47.4 | 13.5 | 1 | 141.3 | 398 | 19 |
| FS HISOY | HS 28X70 | RRX | 2.8 | R | 46.6 | 10.8 | 1 | 141.3 | 392 | 20 |
| ARMOR | A28-E89 | E3 | 2.8 | MR | 46.4 | 12.4 | 1 | 141.3 | 390 | 21 |
| P3 GENETICS | 2029E | E3 | 2.9 | R | 46.3 | 15.2 | 1 | 144.0 | 387 | 22 |
| LATHAM | L 2894 E3 | E3 | 2.8 | R | 46.0 | 13.3 | 1 | 141.3 | 387 | 23 |
| DONMARIO | DM 31X61 | RRX | 3.1 | R | 45.5 | 14.8 | 1 | 144.0 | 381 | 24 |
| RENK | RS280NX | RRX | 2.8 | R | 45.3 | 12.5 | 1 | 141.3 | 381 | 25 |
| APEX | AE3110 | E3 | 3.1 | R | 45.0 | 11.9 | 1 | 144.0 | 378 | 26 |
| GOLDEN HARVEST | GH2818E3 | E3 | 2.8 | MR | 43.7 | 11.4 | 1 | 141.3 | 368 | 27 |
| NUTECH | 31N06E | E3 | 3.1 | R | 43.4 | 14.0 | 1 | 144.0 | 364 | 28 |
| NK BRAND | S28-E3 | E3 | 2.8 | MR | 42.6 | 11.6 | 1 | 144.0 | 358 | 29 |
| GENESIS | G3040E | E3 | 3.0 | R | 42.2 | 15.5 | 1 | 144.0 | 352 | 30 |
| PIONEER | P28A42X CK | RRX | 2.8 | NA | 41.3 | 12.1 | 1 | 144.0 | 347 | 31 |
| | | | | | Averages = | 46.1 | 12.9 | 1 | 143.2 | 387 |
| | | | | | LSD (0.10) = | 5.8 | 1.7 | ns | | |
| | | | | | LSD (0.25) = | 3.0 | 0.9 | ns | | |
| | | | | | C.V. = | 11.9 | | | | Historic yield: new site |



Randy Meinsma

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Yield & Income Factors:

Base Moisture = 13.0%

Shrink = 1.3

Drying = \$0.025

Prices: GMO = \$8.41

Report Date: 10/11/2020

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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2020 Soybeans - Iowa South Central [IASC]

Early-Season Test Products (42 Total)

| Company/Brand | Product/Brand | Technology | SCN | RM | Seed Treat. |
|----------------|---------------|------------|-----|-----|-------------|
| APEX | AE2310 | E3 | R | 2.3 | CMBV,SA |
| APEX | AE2510 | E3 | R | 2.5 | CMBV,SA |
| APEX | AE2610 | E3 | R | 2.6 | CMBV,SA |
| ARMOR | A23-E89 | E3 | MR | 2.3 | W |
| ARMOR | A26-E89 | E3 | MR | 2.6 | W |
| ASGROW | AG26X0 § | RRX | R | 2.6 | NA |
| ASGROW | AG26X8 § | RRX | R | 2.6 | NA |
| ASGROW | AG27X0 § | RRX | R | 2.7 | NA |
| CHANNEL | 2519R2X GC | RRX | S | 2.5 | NA |
| CORNELIUS | CB27X81 | RRX | R | 2.7 | PG+ |
| 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 |
| FS HISOY | HS 23X70 | RRX | R | 2.3 | ACi,SA |
| FS HISOY | HS 24X80 | RRX | R | 2.4 | ACi,SA |
| FS HISOY | HS 25E00 | E3 | R | 2.5 | ACi,SA |
| FS HISOY | HS 27X90 | RRX | R | 2.7 | ACi,SA |
| GENESIS | G2550E | E3 | R | 2.5 | CMBV,SA |
| GOLDEN HARVEST | GH2230X | RRX | R | 2.2 | CMBV,SA |
| GOLDEN HARVEST | GH2329X | RRX | MR | 2.3 | CMBV,SA |
| GOLDEN HARVEST | GH2552X | RRX | MR | 2.5 | CMBV,SA |
| GOLDEN HARVEST | GH2788X § | RRX | R | 2.7 | CMBV,SA |
| HOEGEMEYER | 2660 E | E3 | R | 2.6 | Lum,Lu,IL |
| KRUGER | K2X-2573 | RRX | R | 2.5 | ACi,IL |
| KRUGER | K2X-2673 | RRX | R | 2.6 | ACi,IL |
| LATHAM | L 2379 E3 | E3 | R | 2.3 | SS+ |
| LATHAM | L 2578 LLGT27 | LLGT27 | R | 2.5 | SS+ |
| LATHAM | L 2638 E3 | E3 | R | 2.6 | SS+ |
| LATHAM | L 2682 R2X | RRX | R | 2.6 | SS+ |
| NK BRAND | S23-G5X | RRX | MR | 2.3 | CMBV,SA |
| NK BRAND | S27-M8X § | RRX | R | 2.7 | CMBV,SA |
| NUTECH | 24N02E | E3 | R | 2.4 | Lum,G,IL |
| NUTECH | 24N04E | E3 | R | 2.4 | Lum,G,IL |
| NUTECH | 26N04E | E3 | R | 2.6 | Lum,G,IL |
| P3 GENETICS | 2126E | E3 | R | 2.6 | PG+ |
| PIONEER | P25A04X GC | RRX | R | 2.5 | NA |

| Company/Brand | Brand/Product | Technology | RM | SCN | Seed Treat. |
|---------------|---------------|------------|----|-----|-------------|
| PIONEER | P28A42X CK | RRX | NA | 2.8 | NA |
| RENK | RS248NX | RRX | R | 2.4 | EcTC,SA |
| RENK | RS250NX | RRX | R | 2.5 | EcTC,SA |
| STINE | 24EA12 § | E3 | R | 2.4 | NA |
| STINE | 26EB23 § | E3 | R | 2.6 | NA |
| TITAN PRO | 25E0 | E3 | R | 2.5 | SA,A,R,G |

2020 Soybeans - Iowa South Central [IASC]

Full-Season Test Products (42 Total)

| Company/Brand | Product/Brand | Technology | SCN | RM | Seed Treat. |
|----------------|---------------|------------|-----|-----|-------------|
| APEX | AE2800 | E3 | R | 2.8 | CMBV,SA |
| APEX | AE3001 | E3 | R | 3.0 | CMBV,SA |
| APEX | AE3110 | E3 | R | 3.1 | CMBV,SA |
| ARMOR | A28-E89 | E3 | MR | 2.8 | W |
| ARMOR | A30-E39 | E3 | MR | 3.0 | W |
| CHANNEL | 2820R2X GC | RRX | NA | 2.8 | NA |
| CORNELIUS | CB29X33 | RRX | R | 2.9 | PG+ |
| CREDENZ | CZ 2830GTLL | LLGT27 | R | 2.8 | PV,IL,OB |
| CREDENZ | CZ 2910GTLL | LLGT27 | R | 2.9 | PV,IL,OB |
| CREDENZ | CZ 3099GTLL | LLGT27 | R | 3.0 | PV,IL,OB |
| DONMARIO | DM 31X61 | RRX | R | 3.1 | CMBV,SA |
| FS HISOY | HS 28X70 | RRX | R | 2.8 | ACi,SA |
| FS HISOY | HS 30X00 | RRX | R | 3.0 | ACi,SA |
| FS HISOY | HS 32E00 | E3 | R | 3.2 | ACi,SA |
| FS HISOY | HS 32X90 | RRX | R | 3.2 | ACi,SA |
| GENESIS | G2840E | E3 | R | 2.8 | CMBV,SA |
| GENESIS | G3040E | E3 | R | 3.0 | CMBV,SA |
| GOLDEN HARVEST | GH2818E3 | E3 | MR | 2.8 | CMBV,SA |
| GOLDEN HARVEST | GH3042E3 | E3 | R | 3.0 | CMBV,SA |
| GOLDEN HARVEST | GH3088X § | RRX | R | 3.0 | CMBV,SA |
| GOLDEN HARVEST | GH3152E3S | E3,ST | MR | 3.1 | CMBV,SA |
| HOEGEMEYER | 2970 E | E3 | R | 2.9 | Lum,Lu,IL |
| HOEGEMEYER | 3030 E | E3 | R | 3.0 | Lum,Lu,IL |
| KRUGER | K2X-2971 | RRX | R | 2.9 | ACi,IL |
| LATHAM | E 3148 LLGT27 | LLGT27 | R | 3.1 | SS+ |
| LATHAM | L 2887 R2X | RRX | R | 2.8 | SS+ |
| LATHAM | L 2894 E3 | E3 | R | 2.8 | SS+ |
| LATHAM | L 3197 R2X | RRX | R | 3.1 | SS+ |
| NK BRAND | S28-E3 | E3 | MR | 2.8 | CMBV,SA |
| NK BRAND | S31-E3S | E3,ST | MR | 3.1 | CMBV,SA |
| NUTECH | 28N02E | E3 | R | 2.8 | Lum,G,IL |
| NUTECH | 30N03E | E3 | R | 3.0 | Lum,G,IL |
| NUTECH | 31N06E | E3 | R | 3.1 | Lum,G,IL |
| P3 GENETICS | 2029E | E3 | R | 2.9 | PG+ |
| PIONEER | P28A42X CK | RRX | NA | 2.8 | NA |
| PIONEER | P29A25X GC | RRX | R | 2.9 | NA |

| Company/Brand | Brand/Product | Technology | RM | SCN | Seed Treat. |
|---------------|---------------|------------|----|-----|-------------|
| PIONEER | P33A53X GC | RRX | R | 3.3 | NA |
| RENK | RS280NX | RRX | R | 2.8 | EcTC,SA |
| RENK | RS301NX | RRX | R | 3.1 | EcTC,SA |
| STINE | 28EC32 § | E3 | R | 2.8 | NA |
| TITAN PRO | 28E8 | E3 | R | 2.8 | SA,A,R,G |
| TITAN PRO | 30E9 | E3 | R | 3.0 | SA,A,R,G |

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® |
| ST | Sulfonylurea tolerant |

Soybeans Seed Treatments**

| | |
|-----------|--|
| NA | Not Available |
| ACi,IL | Acceleron Standard Insecticide-Fungicide, ILeVO |
| ACi,SA | Acceleron Standard fungicide + insecticide, Saltro |
| CMBV,SA | Cruisermaxx, Vibrance, Saltro |
| EcTC,SA | Eclipse US Total Coverage Trio IM, N-Force, Saltro |
| Lum,G,IL | Lumisena, Gaucho, ILeVO |
| Lum,Lu,IL | Lumigen, Lumisena™, ILeVO |
| PG+ | Profit Guard + |
| PV,IL,OB | Poncho®/Votivo®, ILeVO, Obvius Plus |
| SA,A,R,G | Saltro, Allegiance FL, Redigo 480, Gaucho 600 |
| SS+ | SoyShield Plus |
| W | Warden® CX |

** Seed treatments may include unspecified plant health promoting components.