

2020 Soybeans Top 30 Performance Summary for Missouri North [MONO]



Early-Season Test

3.2 - 3.7 Day CRM

S2020MONOa

Top 30 of 36

For Gross Income (Sorted by Yield), (12) Replication Average

| Company/Brand | Product/Brand | Technol.† | RM | SCN | Yield Bu/A ↓ | Protein (%) | Oil (%) | Moisture % | Lodging % | Gross Income \$/Acre | Rank | Cairo | Greentop | Palmyra | St. Joseph |
|------------------|---------------|-----------|-----|-----|--------------|-------------|---------|------------|-----------|----------------------|------|-------------|-------------|-------------|-------------|
| NUTECH | 31N06E | E3 | 3.1 | R | 57.5 | | | 11.0 | 2 | 575 | 1 | 62.9 | 37.5 | 71.7 | 57.9 |
| GOLDEN HARVEST | GH3582E3 | E3 | 3.5 | R | 56.9 | | | 11.2 | 2 | 569 | 2 | 60.0 | 42.1 | 62.8 | 62.7 |
| NUTECH | 35N03E | E3 | 3.5 | R | 56.0 | | | 11.3 | 3 | 560 | 3 | 58.0 | 37.6 | 67.3 | 61.0 |
| HOEGEMEYER | 3521 SE | E3 | 3.5 | R | 55.7 | | | 11.1 | 2 | 556 | 4 | 58.9 | 38.9 | 66.6 | 58.1 |
| DYNA-GRO | S35EN99 | E3 | 3.5 | R | 55.6 | | | 11.3 | 2 | 556 | 5 | 59.2 | 35.8 | 62.0 | 65.5 |
| HOEGEMEYER | 3350 E | E3 | 3.3 | R | 55.5 | | | 11.3 | 4 | 555 | 6 | 51.5 | 39.8 | 64.5 | 66.2 |
| FS HISOY | HS 34E80 | E3 | 3.4 | R | 55.5 | | | 11.2 | 2 | 555 | 7 | 57.6 | 38.6 | 62.0 | 63.6 |
| APEX | AE3610 | E3 | 3.6 | R | 55.4 | | | 11.3 | 3 | 554 | 8 | 60.3 | 37.7 | 61.3 | 62.2 |
| STINE | 36EB32 § | E3 | 3.6 | R | 55.4 | | | 11.1 | 4 | 554 | 9 | 58.6 | 36.8 | 59.8 | 66.2 |
| GOLDEN HARVEST | GH3759E3S | E3,ST | 3.7 | MR | 55.1 | | | 11.1 | 2 | 551 | 10 | 60.4 | 40.2 | 61.0 | 58.6 |
| FS HISOY | HS 35X00 | RRX | 3.5 | R | 54.7 | | | 11.0 | 2 | 547 | 11 | 55.5 | 33.3 | 67.8 | 62.0 |
| MIDLAND GENETICS | 3711XS | RRX,ST | 3.7 | R | 54.5 | | | 10.9 | 2 | 545 | 12 | 59.5 | 38.1 | 62.3 | 58.2 |
| CREDENZ | CZ 3480GTLL | LLGT27 | 3.4 | R | 53.7 | | | 11.1 | 2 | 537 | 13 | 54.6 | 34.6 | 62.1 | 63.5 |
| HOEGEMEYER | 3591 E | E3 | 3.5 | R | 53.6 | | | 11.4 | 3 | 536 | 14 | 59.5 | 33.7 | 58.3 | 62.7 |
| DYNA-GRO | S37EN39 | E3 | 3.7 | R | 53.5 | | | 10.8 | 2 | 535 | 15 | 59.2 | 35.9 | 60.9 | 57.9 |
| NK BRAND | S35-E3 § | E3 | 3.5 | R | 53.4 | | | 11.3 | 2 | 534 | 16 | 57.6 | 33.5 | 61.6 | 60.8 |
| DONMARIO | DM 3756E | E3 | 3.7 | R | 53.0 | | | 11.0 | 2 | 531 | 17 | 63.5 | 32.4 | 58.4 | 57.9 |
| NK BRAND | S35-K9X | RRX | 3.5 | R | 53.0 | | | 11.2 | 3 | 530 | 18 | 52.6 | 31.0 | 67.3 | 61.2 |
| FS HISOY | HS 32E00 | E3 | 3.2 | R | 53.0 | | | 11.2 | 5 | 530 | 19 | 49.3 | 39.3 | 62.5 | 60.8 |
| LEWIS | 3682X | RRX | 3.6 | R | 52.8 | | | 11.0 | 2 | 528 | 20 | 55.4 | 37.9 | 62.1 | 55.8 |
| ASGROW | AG33X0 § | RRX | 3.3 | R | 52.8 | | | 11.1 | 3 | 528 | 21 | 53.7 | 34.4 | 61.7 | 61.2 |
| NUTECH | 34N06E | E3 | 3.4 | R | 52.7 | | | 11.4 | 2 | 527 | 22 | 54.9 | 33.0 | 62.8 | 60.0 |
| ASGROW | AG37X8 § | RRX | 3.7 | R | 52.5 | | | 10.9 | 3 | 525 | 23 | 55.2 | 35.7 | 62.4 | 56.6 |
| PIONEER | P37A27X GC | RRX | 3.7 | MR | 52.5 | | | 11.0 | 4 | 525 | 24 | 57.8 | 33.6 | 62.4 | 56.0 |
| PIONEER | P36A83X GC | RRX | 3.6 | R | 52.4 | | | 11.0 | 2 | 524 | 25 | 58.8 | 32.0 | 61.3 | 57.4 |
| MIDLAND GENETICS | 3537NX | RRX | 3.5 | R | 51.8 | | | 10.9 | 2 | 518 | 26 | 54.7 | 34.3 | 61.2 | 56.8 |
| FS HISOY | HS 32X90 | RRX | 3.2 | R | 51.7 | | | 10.9 | 1 | 517 | 27 | 49.3 | 32.5 | 60.9 | 63.9 |
| DYNA-GRO | S36ES70 | E3 | 3.6 | R | 51.7 | | | 11.2 | 2 | 517 | 28 | 53.0 | 33.5 | 67.7 | 52.4 |
| CREDENZ | CZ 3309GTLL | LLGT27 | 3.3 | R | 51.6 | | | 11.0 | 2 | 516 | 29 | 53.6 | 34.4 | 59.2 | 59.1 |
| BURRUS | 3798X | RRX | 3.7 | R | 51.6 | | | 11.0 | 2 | 516 | 30 | 57.7 | 33.3 | 58.6 | 56.6 |
| PIONEER | P38A98X CK | RRX | 3.8 | R | 50.5 | | | 11.2 | 2 | 505 | 36 | 53.9 | 35.6 | 61.2 | 51.3 |

William Schelp

| | | | | | | | | | | |
|-------------------|-------------|-----------|-----------|-------------|----------|------------|-------------|-------------|-------------|-------------|
| Averages = | 53.4 | na | na | 11.1 | 3 | 534 | 56.6 | 35.5 | 62.1 | 59.2 |
| LSD (0.10) = | 3.1 | na | na | ns | 1 | | 3.0 | 3.7 | 2.9 | 5.2 |
| LSD (0.25) = | 1.6 | na | na | ns | 1 | | 1.6 | 1.9 | 1.5 | 2.7 |

william.schelp@firstseedtests.com, (573) 819-7968

Prev. years average yield for region: 53.8 bu/a, 3 yr(s)

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.02 Prices: GMO = \$10.00; non-GMO = \$10.00

† 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.

2020 Soybeans Top 30 Performance Summary for Missouri North [MONO]

Full-Season Test

3.8 - 4.3 Day CRM

S2020MONOb

Top 30 of 36

For Gross Income (Sorted by Yield), (9) Replication Average

| Company/Brand | Product/Brand | Technol.† | RM | SCN | Yield Bu/A ↓ | Protein (%) | Oil (%) | Moisture % | Lodging % | Gross Income \$/Acre | Rank | Cairo | Greentop | Palmyra | St. Joseph REJECTED |
|------------------|---------------|-----------|-----|-----|--------------|-------------|---------|------------|-----------|----------------------|------|-------------|-------------|-------------|---------------------|
| NK BRAND | S39-E3 | E3 | 3.9 | MR | 57.0 | | | 10.6 | 2 | 570 | 1 | 65.2 | 42.1 | 63.8 | 59.1 |
| HOEGEMEYER | 4081 SE | E3 | 4.0 | R | 57.0 | | | 10.6 | 1 | 570 | 2 | 67.2 | 38.1 | 65.8 | 50.2 |
| STINE | 40EB20 § | E3 | 4.0 | NA | 56.6 | | | 10.5 | 1 | 566 | 3 | 66.5 | 37.8 | 65.6 | 56.5 |
| GOLDEN HARVEST | GH3922E3 | E3 | 3.9 | MR | 56.5 | | | 10.6 | 3 | 564 | 4 | 65.5 | 40.0 | 63.8 | 56.3 |
| NUTECH | 43N04E | E3 | 4.3 | R | 56.3 | | | 10.5 | 4 | 563 | 5 | 69.4 | 33.9 | 65.6 | 61.2 |
| HOEGEMEYER | 3921 E | E3 | 3.9 | R | 55.6 | | | 10.6 | 1 | 556 | 6 | 62.1 | 38.9 | 65.9 | 63.0 |
| BURRUS | 3803E | E3 | 3.8 | R | 54.9 | | | 10.7 | 1 | 549 | 7 | 64.0 | 37.9 | 62.8 | 55.9 |
| FS HISOY | HS 39E00 | E3 | 3.9 | R | 54.9 | | | 10.6 | 1 | 549 | 8 | 66.9 | 35.0 | 62.7 | 55.6 |
| STINE | 43EB20 § | E3 | 4.3 | R | 54.2 | | | 10.7 | 1 | 543 | 9 | 62.7 | 38.1 | 62.0 | 55.3 |
| DYNA-GRO | S39EN19 | E3 | 3.9 | R | 54.2 | | | 10.6 | 1 | 542 | 10 | 64.1 | 34.0 | 64.4 | 55.2 |
| ASGROW | AG39X0 § | RRX,ST | 3.9 | R | 53.9 | | | 10.5 | 4 | 539 | 11 | 63.7 | 37.0 | 61.1 | 55.0 |
| MIDLAND GENETICS | 3999 E3 | E3 | 3.9 | R | 53.9 | | | 10.6 | 3 | 539 | 12 | 63.3 | 34.3 | 64.0 | 53.8 |
| FS HISOY | HS 41X70 | RRX | 4.1 | R | 53.9 | | | 10.5 | 3 | 538 | 13 | 60.9 | 38.8 | 61.8 | 53.7 |
| DONMARIO | DM 3932E | E3 | 3.9 | R | 53.8 | | | 10.7 | 2 | 538 | 14 | 65.0 | 35.1 | 61.3 | 53.6 |
| NK BRAND | S39-G2X § | RRX | 3.9 | R | 53.5 | | | 10.5 | 4 | 535 | 15 | 66.9 | 33.8 | 59.7 | 53.2 |
| DYNA-GRO | S41ES80 | E3 | 4.1 | R | 53.4 | | | 10.7 | 1 | 534 | 16 | 63.7 | 36.1 | 60.4 | 53.1 |
| LEWIS | 4393X | RRX,ST | 4.3 | R | 53.4 | | | 10.6 | 2 | 534 | 17 | 61.0 | 36.2 | 62.9 | 52.9 |
| LEWIS | 4182X | RRX,ST | 4.1 | R | 53.4 | | | 10.5 | 2 | 534 | 18 | 60.7 | 36.3 | 63.1 | 52.8 |
| NUTECH | 41N03E | E3 | 4.1 | R | 53.2 | | | 10.7 | 1 | 532 | 19 | 61.1 | 39.0 | 59.5 | 52.4 |
| MIDLAND GENETICS | 4260E3S | E3,ST | 4.2 | MR | 53.1 | | | 10.6 | 1 | 531 | 20 | 63.0 | 35.9 | 60.5 | 52.3 |
| DYNA-GRO | S38XS21 | RRX,ST | 3.8 | R | 53.0 | | | 10.6 | 2 | 530 | 21 | 60.9 | 35.2 | 63.0 | 52.2 |
| CREDENZ | CZ 3840GTLL | LLGT27 | 3.8 | MR | 52.8 | | | 10.6 | 2 | 528 | 22 | 62.9 | 33.1 | 62.5 | 52.1 |
| FS HISOY | HS 38X00 | RRX | 3.8 | MR | 52.7 | | | 10.5 | 2 | 527 | 23 | 63.2 | 32.2 | 62.7 | 52.0 |
| MIDLAND GENETICS | 3930NXS | RRX,ST | 3.9 | R | 52.4 | | | 10.6 | 3 | 524 | 24 | 64.3 | 33.5 | 59.5 | 51.6 |
| NUTECH | 39N04E | E3 | 3.9 | R | 52.3 | | | 10.7 | 1 | 523 | 25 | 62.1 | 29.6 | 65.3 | 61.4 |
| NK BRAND | S42-E3 | E3 | 4.2 | NA | 52.0 | | | 10.6 | 2 | 520 | 26 | 61.1 | 33.4 | 61.4 | 59.9 |
| CREDENZ | CZ 3930GTLL | LLGT27 | 3.9 | MR | 51.8 | | | 10.6 | 3 | 519 | 27 | 62.9 | 29.7 | 63.0 | 59.8 |
| MIDLAND GENETICS | 4251X | RRX | 4.2 | MR | 51.7 | | | 10.7 | 3 | 517 | 28 | 60.1 | 30.9 | 64.1 | 56.6 |
| DONMARIO | DM 40X61 | RRX | 4.0 | R | 51.5 | | | 10.7 | 6 | 515 | 30 | 62.2 | 32.0 | 60.2 | 56.8 |
| LEWIS | 3803X | RRX | 3.8 | MR | 50.9 | | | 10.4 | 2 | 509 | 31 | 60.2 | 32.5 | 59.9 | 57.4 |
| PIONEER | P38A98X CK | RRX | 3.8 | R | 51.6 | | | 10.7 | 2 | 516 | 29 | 60.4 | 34.7 | 59.8 | 50.8 |

Rejected due to high variance

William Schelp

| | | | | | | | | | | |
|-------------------|-------------|-----------|-----------|-------------|----------|------------|-------------|-------------|-------------|-------------|
| Averages = | 53.1 | na | na | 10.6 | 2 | 531 | 62.8 | 34.6 | 62.0 | 57.1 |
| LSD (0.10) = | 2.3 | na | na | ns | 2 | | 2.9 | 3.2 | 2.5 | 5.4 |
| LSD (0.25) = | 1.2 | na | na | ns | 1 | | 1.5 | 1.7 | 1.3 | 2.8 |

william.schelp@firstseedtests.com, (573) 819-7968

Prev. years average yield for region: 53.8 bu/a, 3 yr(s)

Yield & Income Factors:

Base Moisture = 13.0%

Shrink = 1.3

Drying = \$0.02

Prices: GMO = \$10.00; non-GMO = \$10.00

† 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. *There were 2 reps for the site.

2020 Soybeans - Missouri North [MONO]

Early-Season Test Products (36 Total)

| Company/Brand | Product/Brand | Technology | SCN | RM | Seed Treat. |
|------------------|---------------|------------|-----|-----|-------------|
| APEX | AE3610 | E3 | R | 3.6 | CMBV,SA |
| ASGROW | AG33X0 § | RRX | R | 3.3 | NA |
| ASGROW | AG37X8 § | RRX | R | 3.7 | NA |
| BURRUS | 3798X | RRX | R | 3.7 | BPS-SDS |
| CREDENZ | CZ 3309GTLL | LLGT27 | R | 3.3 | PV,IL,OB |
| CREDENZ | CZ 3480GTLL | LLGT27 | R | 3.4 | PV,IL,OB |
| CREDENZ | CZ 3519GTLL | LLGT27 | MR | 3.5 | PV,IL,OB |
| CREDENZ | CZ 3750GTLL | LLGT27 | R | 3.7 | PV,IL,OB |
| DONMARIO | DM 3756E | E3 | R | 3.7 | CMBV,SA |
| DYNA-GRO | S35EN99 | E3 | R | 3.5 | EQV,SA |
| DYNA-GRO | S36ES70 | E3 | R | 3.6 | EQV,SA |
| DYNA-GRO | S37EN39 | E3 | R | 3.7 | EQV,SA |
| FS HISOY | HS 32E00 | E3 | R | 3.2 | ACi,SA |
| FS HISOY | HS 32X90 | RRX | R | 3.2 | ACi,SA |
| FS HISOY | HS 34E80 | E3 | R | 3.4 | ACi,SA |
| FS HISOY | HS 35X00 | RRX | R | 3.5 | ACi,SA |
| GOLDEN HARVEST | GH3582E3 | E3 | R | 3.5 | CMBV,SA |
| GOLDEN HARVEST | GH3759E3S | E3,ST | MR | 3.7 | CMBV,SA |
| HOEGEMEYER | 3350 E | E3 | R | 3.3 | Lum,Lu,IL |
| HOEGEMEYER | 3521 SE | E3 | R | 3.5 | Lum,Lu,IL |
| HOEGEMEYER | 3591 E | E3 | R | 3.5 | Lum,Lu,IL |
| LEWIS | 3682X | RRX | R | 3.6 | NA |
| MIDLAND GENETICS | 3261X | RRX | R | 3.2 | NA |
| MIDLAND GENETICS | 3537NX | RRX | R | 3.5 | NA |
| MIDLAND GENETICS | 3711XS | RRX,ST | R | 3.7 | NA |
| NK BRAND | S35-E3 § | E3 | R | 3.5 | CMBV,SA |
| NK BRAND | S35-K9X | RRX | R | 3.5 | CMBV,SA |
| NK BRAND | S37-2E3S | E3,ST | MR | 3.7 | CMBV,SA |
| NUTECH | 31N06E | E3 | R | 3.1 | Lum,G,IL |
| NUTECH | 34N06E | E3 | R | 3.4 | Lum,G,IL |
| NUTECH | 35N03E | E3 | R | 3.5 | Lum,G,IL |
| NUTECH | 36N03E | E3 | R | 3.6 | Lum,G,IL |
| PIONEER | P36A83X GC | RRX | R | 3.6 | NA |
| PIONEER | P37A27X GC | RRX | MR | 3.7 | NA |
| PIONEER | P38A98X CK | RRX | R | 3.8 | NA |
| STINE | 36EB32 § | E3 | R | 3.6 | NA |

2020 Soybeans - Missouri North [MONO]

Full-Season Test Products (36 Total)

| Company/Brand | Product/Brand | Technology | SCN | RM | Seed Treat. |
|------------------|---------------|------------|-----|-----|-------------|
| ASGROW | AG39X0 § | RRX,ST | R | 3.9 | NA |
| BURRUS | 3803E | E3 | R | 3.8 | BPS-SDS |
| CREDENZ | CZ 3840GTLL | LLGT27 | MR | 3.8 | PV,IL,OB |
| CREDENZ | CZ 3930GTLL | LLGT27 | MR | 3.9 | PV,IL,OB |
| CREDENZ | CZ 4241GTLL | LLGT27 | NA | 4.2 | PV,IL,OB |
| DONMARIO | DM 3932E | E3 | R | 3.9 | CMBV,SA |
| DONMARIO | DM 40X61 | RRX | R | 4.0 | CMBV,SA |
| DONMARIO | DM 43E51 | E3 | R | 4.3 | CMBV,SA |
| DYNA-GRO | S38XS21 | RRX,ST | R | 3.8 | EQV,SA |
| DYNA-GRO | S39EN19 | E3 | R | 3.9 | EQV,SA |
| DYNA-GRO | S41ES80 | E3 | R | 4.1 | EQV,SA |
| FS HISOY | HS 38X00 | RRX | MR | 3.8 | ACi,SA |
| FS HISOY | HS 39E00 | E3 | R | 3.9 | ACi,SA |
| FS HISOY | HS 41X70 | RRX | R | 4.1 | ACi,SA |
| FS HISOY | HS 43E00 | E3 | R | 4.3 | ACi,SA |
| GOLDEN HARVEST | GH3922E3 | E3 | MR | 3.9 | CMBV,SA |
| GOLDEN HARVEST | GH4155E3 § | E3 | MR | 4.1 | CMBV,SA |
| GOLDEN HARVEST | GH4201E3 | E3 | NA | 4.2 | CMBV,SA |
| HOEGEMEYER | 3921 E | E3 | R | 3.9 | Lum,Lu,IL |
| HOEGEMEYER | 4081 SE | E3 | R | 4.0 | Lum,Lu,IL |
| LEWIS | 3803X | RRX | MR | 3.8 | NA |
| LEWIS | 4182X | RRX,ST | R | 4.1 | NA |
| LEWIS | 4393X | RRX,ST | R | 4.3 | NA |
| MIDLAND GENETICS | 3930NXS | RRX,ST | R | 3.9 | NA |
| MIDLAND GENETICS | 3999 E3 | E3 | R | 3.9 | NA |
| MIDLAND GENETICS | 4251X | RRX | MR | 4.2 | NA |
| MIDLAND GENETICS | 4260E3S | E3,ST | MR | 4.2 | NA |
| NK BRAND | S39-E3 | E3 | MR | 3.9 | CMBV,SA |
| NK BRAND | S39-G2X § | RRX | R | 3.9 | CMBV,SA |
| NK BRAND | S42-E3 | E3 | NA | 4.2 | CMBV,SA |
| NUTECH | 39N04E | E3 | R | 3.9 | Lum,G,IL |
| NUTECH | 41N03E | E3 | R | 4.1 | Lum,G,IL |
| NUTECH | 43N04E | E3 | R | 4.3 | Lum,G,IL |
| PIONEER | P38A98X CK | RRX | R | 3.8 | NA |
| STINE | 40EB20 § | E3 | NA | 4.0 | NA |
| STINE | 43EB20 § | E3 | R | 4.3 | NA |

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,SA | Acceleron Standard fungicide + insecticide, Saltro |
| BPS-SDS | Burrus PowerShield® SDS |
| CMBV,SA | Cruisermaxx, Vibrance, Saltro |
| EQV,SA | Equity VIP, Saltro |
| Lum,G,IL | Lumisena, Gaucho, ILeVO |
| Lum,Lu,IL | Lumigen, Lumisena™, ILeVO |
| PV,IL,OB | Poncho®/Votivo®, ILeVO, Obvius Plus |

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