

Test by: F.I.R.S.T. MSR, Inc. Columbia, MO

2020 Soybeans Top 30 Harvest Report

Missouri Central [MOCE] NEW FRANKLIN, MO
Randy & Danny Kircher, Howard County, MO 65274

| | |
|-------------------------------|--|
| All-Season Test | 3.5 - 4.5 Day CRM S2020MOCE02 |
| Top 30 of 54 | For Gross Income (Sorted by Yield) Average of (3) Replications |
| PREV. CROP/HERB: | Corn / Fallow Due To River Flooding |
| SOIL DESCRIPTION: | Lomo silt loam, well drained, non-irrigated |
| SOIL CONDITION: | very high P, very high K, 6.3 pH, 1.0% OM, 11.6 CEC |
| TILLAGE/CULTIVATION: | |
| PEST MANAGEMENT: | Gramoxone, Sonic, Roundup, Zidua |
| Applied N-P-K (units): | 0-0-0 |
| SEEDED - RATE - ROW: | May 12 140.0 /A 30" spacing |
| HARVESTED - STAND: | Nov 8 128.8 /A |

TEST COMMENTS:

Re-planted this trial in June after inconsistent stands from May planting. CoCoRaHS rain observation station in nearby Boonville recorded the following monthly rain totals: May 5.9, June 6.9, July 6.4, August 3.9 and September 3.3. By harvest, the test looked particularly good with only modest lodging for a river-bottom site. Excellent yields with little disease observed and large seed size.

| Company/Brand | Product/Brand | Technol.† | RM | SCN Resist. | Yield Bu/A ↓ | Moisture % | Lodging % | Stand (x 1000) | Gross Income \$/Acre | Rank |
|------------------|-----------------|------------|------------|-------------|--------------|-------------|-----------|----------------|----------------------|-----------|
| FS HISOY | HS 38X00 | RRX | 3.8 | MR | 73.7 | 12.3 | 3 | 131.7 | 737 | 1 |
| PIONEER | P36A83X GC | RRX | 3.6 | R | 73.6 | 12.6 | 3 | 124.5 | 736 | 2 |
| LEWIS | 4182X | RRX,ST | 4.1 | R | 72.3 | 12.6 | 8 | 120.0 | 723 | 3 |
| FS HISOY | HS 38E90 | E3 | 3.8 | R | 72.1 | 12.9 | 5 | 127.7 | 721 | 4 |
| ASGROW | AG39X0 § | RRX,ST | 3.9 | R | 72.0 | 12.7 | 4 | 128.0 | 720 | 5 |
| NUTECH | 39N04E | E3 | 3.9 | R | 71.8 | 12.7 | 1 | 124.0 | 718 | 6 |
| BURRUS | 3798X | RRX | 3.7 | R | 71.8 | 12.4 | 3 | 126.0 | 718 | 7 |
| CREDENZ | CZ 3840GTLL | LLGT27 | 3.8 | MR | 71.7 | 12.9 | 3 | 133.7 | 717 | 8 |
| STINE | 37EC20 § | E3 | 3.7 | R | 70.5 | 12.5 | 2 | 130.0 | 705 | 9 |
| FS HISOY | HS 35X00 | RRX | 3.5 | R | 70.2 | 12.4 | 2 | 130.0 | 702 | 10 |
| STINE | 40EB20 § | E3 | 4.0 | NA | 70.1 | 12.6 | 2 | 132.0 | 701 | 11 |
| PIONEER | P37A27X GC | RRX | 3.7 | MR | 69.7 | 12.6 | 2 | 130.0 | 697 | 12 |
| DONMARIO | DM 3756E | E3 | 3.7 | R | 69.4 | 12.5 | 1 | 123.7 | 694 | 13 |
| CREDENZ | CZ 3519GTLL | LLGT27 | 3.5 | MR | 69.3 | 12.5 | 9 | 122.0 | 693 | 14 |
| STINE | 36EB32 § | E3 | 3.6 | R | 69.2 | 12.8 | 3 | 124.0 | 692 | 15 |
| ASGROW | AG37X8 § | RRX | 3.7 | R | 69.1 | 12.4 | 2 | 126.0 | 691 | 16 |
| NK BRAND | S39-E3 § | E3 | 3.9 | MR | 69.0 | 12.3 | 1 | 133.7 | 690 | 17 |
| FS HISOY | HS 41X70 | RRX | 4.1 | R | 68.6 | 12.7 | 10 | 129.7 | 686 | 18 |
| LEWIS | 4393X | RRX,ST | 4.3 | R | 68.4 | 12.8 | 5 | 133.7 | 684 | 19 |
| CREDENZ | CZ 4241GTLL | LLGT27 | 4.2 | NA | 68.2 | 12.7 | 1 | 124.0 | 682 | 20 |
| MIDLAND GENETICS | 3930NXS | RRX,ST | 3.9 | R | 68.1 | 12.6 | 9 | 124.0 | 681 | 21 |
| NUTECH | 35N03E | E3 | 3.5 | R | 68.0 | 12.9 | 2 | 137.3 | 680 | 22 |
| MIDLAND GENETICS | 3999 E3 | E3 | 3.9 | R | 67.8 | 12.4 | 2 | 124.0 | 678 | 23 |
| NUTECH | 36N03E | E3 | 3.6 | R | 66.7 | 12.9 | 1 | 141.3 | 667 | 24 |
| MIDLAND GENETICS | 4251X | RRX | 4.2 | MR | 66.7 | 12.7 | 5 | 116.3 | 667 | 25 |
| LEWIS | 3803X | RRX | 3.8 | MR | 66.7 | 12.6 | 2 | 131.7 | 667 | 26 |
| MIDLAND GENETICS | 4260E3S | E3,ST | 4.2 | MR | 66.5 | 12.7 | 2 | 129.7 | 665 | 27 |
| FS HISOY | HS 39E00 | E3 | 3.9 | R | 66.4 | 12.4 | 1 | 126.0 | 664 | 28 |
| CREDENZ | CZ 3750GTLL | LLGT27 | 3.7 | R | 66.4 | 12.5 | 2 | 128.0 | 664 | 29 |
| DYNA-GRO | S41ES80 | E3 | 4.1 | R | 66.3 | 12.8 | 3 | 131.7 | 663 | 30 |

| | | | | | | |
|---|--------------|-------------|-------------|----------|--------------|--------------------------|
| | Averages = | 67.1 | 12.6 | 3 | 128.8 | 671 |
| | LSD (0.10) = | 3.4 | 0.2 | ns | | |
| William Schelp | LSD (0.25) = | 1.8 | 0.1 | ns | | |
| william.schelp@firstseedtests.com, (573) 819-7968 | C.V. = | 4.9 | | | | Historic yield: new site |

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

2020 Soybeans - Missouri Central [MOCE]

All-Season Test Products (54 Total)

| Company/Brand | Product/Brand | Technology | SCN | RM | Seed Treat. |
|------------------|---------------|------------|-----|-----|-------------|
| ASGROW | AG37X8 § | RRX | R | 3.7 | NA |
| ASGROW | AG39X0 § | RRX,ST | R | 3.9 | NA |
| ASGROW | AG39X7 § | RRX,ST | R | 3.9 | NA |
| BURRUS | 3798X | RRX | R | 3.7 | BPS-SDS |
| BURRUS | 3803E | E3 | R | 3.8 | BPS-SDS |
| CREDENZ | CZ 3519GTLL | LLGT27 | MR | 3.5 | PV,IL,OB |
| CREDENZ | CZ 3660GTLL | LLGT27 | R | 3.6 | PV,IL,OB |
| CREDENZ | CZ 3750GTLL | LLGT27 | R | 3.7 | PV,IL,OB |
| 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 |
| CREDENZ | CZ 4410GTLL | LLGT27 | R | 4.4 | PV,IL,OB |
| CREDENZ | CZ 4539GTLL | LLGT27 | R | 4.5 | PV,IL,OB |
| DONMARIO | DM 3756E | E3 | R | 3.7 | CMBV,SA |
| 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 | S39EN19 | E3 | R | 3.9 | EQV,SA |
| DYNA-GRO | S41ES80 | E3 | R | 4.1 | EQV,SA |
| DYNA-GRO | S43EN61 | E3 | R | 4.3 | EQV,SA |
| FS HISOY | HS 35X00 | RRX | R | 3.5 | ACi,SA |
| FS HISOY | HS 38E90 | E3 | R | 3.8 | ACi,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 |
| LEWIS | 3803X | RRX | MR | 3.8 | NA |
| LEWIS | 4182X | RRX,ST | R | 4.1 | NA |
| LEWIS | 4393X | RRX,ST | R | 4.3 | NA |
| LEWIS | 4572X | RRX,ST | R | 4.5 | NA |
| MIDLAND GENETICS | 3930NXS | RRX,ST | R | 3.9 | NA |
| MIDLAND GENETICS | 3999 E3 | E3 | R | 3.9 | NA |
| MIDLAND GENETICS | 4140NXS | RRX,ST | R | 4.1 | NA |
| MIDLAND GENETICS | 4251X | RRX | MR | 4.2 | NA |
| MIDLAND GENETICS | 4260E3S | E3,ST | MR | 4.2 | NA |
| MIDLAND GENETICS | 4488NXS | RRX,ST | R | 4.4 | NA |

| Company/Brand | Brand/Product | Technology | RM | SCN | Seed Treat. |
|---------------|---------------|------------|----|-----|-------------|
| NK BRAND | S35-E3 | E3 | R | 3.5 | CMBV,SA |
| NK BRAND | S37-2E3S | E3,ST | MR | 3.7 | CMBV,SA |
| 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 |
| NK BRAND | S44-2E3 | E3 | NA | 4.4 | CMBV,SA |
| NUTECH | 35N03E | E3 | R | 3.5 | Lum,G,IL |
| NUTECH | 36N03E | E3 | R | 3.6 | Lum,G,IL |
| 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 |
| NUTECH | 45N04E | E3 | R | 4.5 | Lum,G,IL |
| PIONEER | P36A83X GC | RRX | R | 3.6 | NA |
| PIONEER | P37A27X GC | RRX | MR | 3.7 | NA |
| PIONEER | P40A47X GC | RRX | R | 4.0 | NA |
| STINE | 36EB32 § | E3 | R | 3.6 | NA |
| STINE | 37EC20 § | E3 | R | 3.7 | NA |
| STINE | 40EB20 § | E3 | NA | 4.0 | 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 |
| PV,IL,OB | Poncho®/Votivo®, ILeVO, Obvius Plus |

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