

Test by: MNS Seed Testing, LLC New Richland, MN

2020 Soybeans Top 30 Harvest Report

South Dakota East Central [SDEC] SALEM, SD
Ernie Christensen, McCook County, SD 57048

| | |
|-------------------------------|--|
| All-Season Test | 1.6 - 2.3 Day CRM S2020SDEC08 |
| Top 30 of 63 | For Gross Income (Sorted by Yield) Average of (3) Replications |
| PREV. CROP/HERB: | Oat / 2019 Was Prevent Planted |
| SOIL DESCRIPTION: | Hand-Bonilla loam, well drained, non-irrigated |
| SOIL CONDITION: | very high P, very high K, 6.4 pH, 3.6% OM, 24.1 CEC |
| TILLAGE/CULTIVATION: | Conventional W/O Fall Till |
| PEST MANAGEMENT: | Roundup |
| Applied N-P-K (units): | 0-0-0 |
| SEEDED - RATE - ROW: | May 8 140.0 /A 30" spacing |
| HARVESTED - STAND: | Oct 8 118.5 /A |

TEST COMMENTS:

We had excellent planting conditions this spring. Dicamba drift from surrounding fields cupped leaves of some varieties in June. Bean moisture was below 10 percent for most samples. This field was prevent planted last year because of wet conditions.

| Company/Brand | Product/Brand | Technol.† | RM | SCN Resist. | Yield Bu/A ↓ | Moisture % | Lodging % | Stand (x 1000) | Gross Income \$/Acre | Rank |
|----------------|---------------|-----------|-----|-------------|--------------|------------|-----------|----------------|----------------------|------|
| APEX | AE1710 | E3 | 1.7 | R | 70.5 | 8.9 | 4 | 118.7 | 670 | 1 |
| GENESIS | G1950E | E3 | 1.9 | R | 70.2 | 8.7 | 3 | 121.3 | 667 | 2 |
| GOLDEN HARVEST | GH1915X § | RRX | 1.9 | R | 70.1 | 8.4 | 2 | 116.7 | 666 | 3 |
| GENESIS | G2150E | E3 | 2.1 | R | 70.1 | 8.5 | 6 | 117.7 | 666 | 4 |
| STINE | 19EC32 § | E3 | 1.9 | R | 69.8 | 8.7 | 1 | 116.0 | 663 | 5 |
| NK BRAND | S20-J5X § | RRX | 2.0 | R | 69.4 | 8.4 | 2 | 117.7 | 659 | 6 |
| LOYAL | L1930E | E3 | 1.9 | R | 68.2 | 8.6 | 7 | 119.0 | 648 | 7 |
| HEFTY | H16X1 | RRX | 1.6 | R | 68.2 | 9.1 | 4 | 121.7 | 648 | 8 |
| ZINESTO | Z1701G | LLGT27 | 1.7 | R | 68.0 | 8.8 | 3 | 117.0 | 646 | 9 |
| APEX | AE2110 | E3 | 2.1 | R | 67.8 | 8.6 | 7 | 119.3 | 644 | 10 |
| LOYAL | L2130E | E3 | 2.1 | R | 67.5 | 8.8 | 3 | 121.0 | 641 | 11 |
| GENESIS | G1650E | E3 | 1.6 | R | 67.0 | 8.7 | 1 | 117.7 | 636 | 12 |
| APEX | AE2010 | E3 | 2.0 | R | 66.8 | 8.8 | 9 | 121.7 | 635 | 13 |
| LATHAM | L 2049 E3 | E3 | 2.0 | R | 66.4 | 8.7 | 12 | 117.0 | 631 | 14 |
| ZINESTO | Z1601E | E3 | 1.6 | R | 66.4 | 9.0 | 3 | 120.3 | 631 | 15 |
| HEFTY | H20X0 | RRX | 2.0 | R | 66.3 | 8.9 | 5 | 118.0 | 630 | 16 |
| THUNDER | TE7117N | E3 | 1.7 | R | 66.2 | 8.8 | 1 | 117.7 | 629 | 17 |
| CREDENZ | CZ 2121GTLL | LLGT27 | 2.1 | MR | 66.2 | 8.1 | 3 | 116.0 | 629 | 18 |
| CREDENZ | CZ 1660GTLL | LLGT27 | 1.6 | MR | 65.8 | 9.1 | 2 | 122.7 | 625 | 19 |
| TITAN PRO | 17E0 | E3 | 1.7 | R | 65.8 | 8.6 | 6 | 116.0 | 625 | 20 |
| LATHAM | L 2193 E3 | E3 | 2.1 | R | 65.8 | 8.7 | 4 | 118.0 | 625 | 21 |
| LATHAM | L 1858 R2 | RR2Y | 1.8 | R | 65.7 | 9.1 | 2 | 120.3 | 624 | 22 |
| APEX | AE1910 | E3 | 1.9 | R | 65.4 | 8.9 | 7 | 121.0 | 621 | 23 |
| PIONEER | P20T64E GC | E3 | 1.9 | R | 65.2 | 8.5 | 3 | 118.7 | 619 | 24 |
| CREDENZ | CZ 2360GTLL | LLGT27 | 2.3 | MR | 65.0 | 8.8 | 3 | 120.7 | 618 | 25 |
| ZINESTO | Z2001E | E3 | 2.0 | R | 64.1 | 8.9 | 6 | 116.7 | 609 | 26 |
| NK BRAND | S23-G5X | RRX | 2.3 | MR | 62.6 | 8.7 | 2 | 117.7 | 595 | 27 |
| DYNA-GRO | S17EN80 | E3 | 1.7 | R | 62.3 | 9.2 | 2 | 117.7 | 592 | 28 |
| LATHAM | L 2395 LLGT27 | LLGT27 | 2.3 | R | 61.9 | 8.8 | 2 | 122.7 | 588 | 29 |
| CREDENZ | CZ 2040GTLL | LLGT27 | 2.0 | R | 61.6 | 8.6 | 10 | 117.3 | 585 | 30 |



Mark Tollefson

mark.tollefson@firstseedtests.com, (507) 456-2357

Averages = **62.3** **8.8** **4** **118.5** **592**

LSD (0.10) = 4.2 0.4 ns

LSD (0.25) = 2.2 0.2 ns

C.V. = 6.5

Historic yield: 54.3 bu/a, 11 yr(s)

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.2 Drying = \$0.05 Prices: GMO = \$9.50

2020 Soybeans - South Dakota East Central [SDEC]

All-Season Test Products (63 Total)

| Company/Brand | Product/Brand | Technology | SCN | RM | Seed Treat. |
|----------------|---------------|------------|-----|-----|-------------|
| APEX | AE1710 | E3 | R | 1.7 | CMBV,SA |
| APEX | AE1910 | E3 | R | 1.9 | CMBV,SA |
| APEX | AE2010 | E3 | R | 2.0 | CMBV,SA |
| APEX | AE2110 | E3 | R | 2.1 | CMBV,SA |
| APEX | AE2310 | E3 | R | 2.3 | CMBV,SA |
| ASGROW | AG17X8 § | RRX | R | 1.7 | NA |
| ASGROW | AG20X9 § | RRX | R | 2.0 | NA |
| ASGROW | AG21X9 § | RRX | R | 2.1 | NA |
| CREDENZ | CZ 1660GTLL | LLGT27 | MR | 1.6 | PV,IL,OB |
| CREDENZ | CZ 2040GTLL | LLGT27 | R | 2.0 | PV,IL,OB |
| CREDENZ | CZ 2121GTLL | LLGT27 | MR | 2.1 | PV,IL,OB |
| CREDENZ | CZ 2360GTLL | LLGT27 | MR | 2.3 | PV,IL,OB |
| DAIRYLAND | DSR-1673E | E3 | R | 1.6 | Lum,Lu,IL |
| DAIRYLAND | DSR-2030E | E3 | R | 1.9 | Lum,Lu,IL |
| DAIRYLAND | DSR-2112E | E3 | R | 2.1 | Lum,Lu,IL |
| DAIRYLAND | DSR-2259E | E3 | R | 2.2 | Lum,Lu,IL |
| DAIRYLAND | DSR-2424E | E3 | R | 2.3 | Lum,Lu,IL |
| DAIRYLAND | E20-101E | E3 | R | 2.2 | Lum,Lu,IL |
| DAIRYLAND | E24-201E | E3 | R | 2.3 | Lum,Lu,IL |
| DYNA-GRO | S17EN80 | E3 | R | 1.7 | EQV,SA |
| DYNA-GRO | S19XT30 | RRX | R | 1.9 | EQV,SA |
| GENESIS | G1650E | E3 | R | 1.6 | CMBV,SA |
| GENESIS | G1950E | E3 | R | 1.9 | CMBV,SA |
| GENESIS | G2150E | E3 | R | 2.1 | CMBV,SA |
| GENESIS | G2350E | E3 | R | 2.3 | CMBV,SA |
| GOLDEN HARVEST | GH1638X | RRX | MR | 1.6 | CMBV,SA |
| GOLDEN HARVEST | GH1915X § | RRX | R | 1.9 | CMBV,SA |
| GOLDEN HARVEST | GH2230X § | RRX | R | 2.2 | CMBV,SA |
| HEFTY | H16X1 | RRX | R | 1.6 | HCS |
| HEFTY | H18X1 | RRX | R | 1.8 | HCS |
| HEFTY | H18X8 | RRX | MR | 1.8 | HCS |
| HEFTY | H20X0 | RRX | R | 2.0 | HCS |
| HEFTY | H23X0 | RRX | R | 2.3 | HCS |
| LATHAM | L 1858 R2 | RR2Y | R | 1.8 | SS+ |
| LATHAM | L 2049 E3 | E3 | R | 2.0 | SS+ |
| LATHAM | L 2184 R2X | RRX | R | 2.1 | SS+ |

| Company/Brand | Brand/Product | Technology | RM | SCN | Seed Treat. |
|---------------|---------------|------------|----|-----|-------------|
| LATHAM | L 2193 E3 | E3 | R | 2.1 | SS+ |
| LATHAM | L 2228 R2 | RR2Y | R | 2.2 | SS+ |
| LATHAM | L 2295 R2X | RRX | R | 2.2 | SS+ |
| LATHAM | L 2379 E3 | E3 | R | 2.3 | SS+ |
| LATHAM | L 2395 LLGT27 | LLGT27 | R | 2.3 | SS+ |
| LG SEEDS | C1838RX GC | RRX | R | 1.8 | NA |
| LOYAL | L1930E | E3 | R | 1.9 | CMBV,SA |
| LOYAL | L2130E | E3 | R | 2.1 | CMBV,SA |
| NK BRAND | S16-K2X | RRX | MR | 1.6 | CMBV,SA |
| NK BRAND | S20-J5X § | RRX | R | 2.0 | CMBV,SA |
| NK BRAND | S23-G5X | RRX | MR | 2.3 | CMBV,SA |
| PIONEER | P18A98X GC | RRX | R | 1.8 | NA |
| PIONEER | P20T64E GC | E3 | R | 1.9 | NA |
| RENK | RS181NX | RRX | R | 1.8 | EcTC |
| STINE | 19EA32 § | E3 | R | 1.9 | NA |
| STINE | 19EC32 § | E3 | R | 1.9 | NA |
| STINE | 19GB62 § | LLGT27 | R | 1.9 | NA |
| THUNDER | SB8818N | RRX | R | 1.8 | NA |
| THUNDER | TE7117N | E3 | R | 1.7 | NA |
| THUNDER | TE7119N | E3 | R | 1.9 | NA |
| TITAN PRO | 17E0 | E3 | R | 1.7 | SA,A,R,G |
| TITAN PRO | 19E0 | E3 | R | 1.9 | SA,A,R,G |
| TITAN PRO | 22E8 | E3 | R | 2.2 | SA,A,R,G |
| ZINESTO | Z1601E | E3 | R | 1.6 | NA |
| ZINESTO | Z1701G | LLGT27 | R | 1.7 | NA |
| ZINESTO | Z1801E | E3 | R | 1.8 | NA |
| ZINESTO | Z2001E | E3 | R | 2.0 | 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® |
| RR2Y | Roundup Ready 2 Yield® |
| RRX | Roundup Ready 2 Xtend® |

Soybeans Seed Treatments**

| | |
|-----------|---|
| NA | Not Available |
| CMBV,SA | Cruisermaxx, Vibrance, Saltro |
| EcTC | Eclipse US Total Coverage Trio IM, N-Force |
| EQV,SA | Equity VIP, Saltro |
| HCS | Hefty Complete Soybeans |
| Lum,Lu,IL | Lumigen, Lumisena™, ILeVO |
| PV,IL,OB | Poncho®/Votivo®, ILeVO, Obvius Plus |
| SA,A,R,G | Saltro, Allegiance FL, Redigo 480, Gaucho 600 |
| SS+ | SoyShield Plus |

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