

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

2019 Soybeans Top 30 Harvest Report


South Dakota Northeast [SDNE] WEBSTER, SD
Fred Zenk, Day County, SD 57274

| | |
|-------------------------------|--|
| All-Season Test | 1.0 - 1.7 Day CRM S2019SDNE12 |
| Top 30 of 54 | For Gross Income (Sorted by Yield) Average of (2) Replications |
| PREV. CROP/HERB: | Corn / Glyphosate, Outlook, Anthem, Metribuzin |
| SOIL DESCRIPTION: | Nutley-Sinai silty clay, well drained, non-irrigated |
| SOIL CONDITION: | high P, high K, 6.3 pH, 6.4% OM, 26.1 CEC |
| TILLAGE/CULTIVATION: | No-Till |
| PEST MANAGEMENT: | Zidua, Flexstar, Glyphosate |
| Applied N-P-K (units): | 0-0-0 |
| SEEDED - RATE - ROW: | May 30 140.0 /A 30" spacing |
| HARVESTED - STAND: | Nov 9 108.4 /A |

TEST COMMENTS:

There was good drainage in most of the plot and with all the rain this year we needed it. The plot got a foot of snow in October and was slow to dry out since that event. Weather conditions pushed harvest out later than desired and grain moistures remained high at harvest. We had some volunteer corn in the plot, but the deer had eaten any ears produced. Wild life damage affected stand in the last rep of the plot and yield was off in the same area as lower ground held excess moisture. One damaged rep removed from test results.

| Company/Brand | Product/Brand | Technol.† | RM | SCN Resist. | Yield Bu/A | Moisture % | Lodging % | Stand (x 1000) | Gross Income \$/Acre | Rank |
|----------------|---------------|-----------|-----|-------------|-------------|------------|-----------|----------------|----------------------|------|
| LATHAM | L 1648 LLGT27 | LG27 | 1.6 | R | 58.0 | 16.2 | 1 | 113.3 | 488 | 1 |
| RENK | RS153NR2 | RR2Y | 1.5 | R | 56.4 | 16.1 | 1 | 110.4 | 475 | 2 |
| STINE | 09EA02 § | E3 | 0.9 | R | 56.4 | 16.1 | 1 | 111.1 | 475 | 3 |
| ASGROW | AG17X8 § | RRX | 1.7 | R | 56.0 | 15.7 | 1 | 108.9 | 472 | 4 |
| THUNDER | TE7910N | E3 | 1.0 | R | 53.8 | 15.7 | 1 | 113.3 | 454 | 5 |
| ASGROW | AG10X9 § | RRX | 1.0 | R | 53.2 | 16.3 | 1 | 110.4 | 448 | 6 |
| THUNDER | TE7017N | E3 | 1.7 | R | 53.2 | 16.6 | 1 | 110.4 | 447 | 7 |
| REA | RX1610 GC | RRX | 1.6 | R | 52.6 | 16.0 | 1 | 110.4 | 443 | 8 |
| LATHAM | L 1769R2X | RRX | 1.7 | R | 52.3 | 16.0 | 1 | 110.4 | 441 | 9 |
| LATHAM | L 1793 LLGT27 | LG27 | 1.7 | R | 51.9 | 16.0 | 1 | 114.8 | 437 | 10 |
| REA | RX1739 | RRX | 1.7 | R | 51.5 | 16.3 | 1 | 110.4 | 434 | 11 |
| NK BRAND | S14-U9X § | RRX | 1.4 | MR | 51.4 | 16.2 | 1 | 114.8 | 433 | 12 |
| HEFTY | H16X1 | RRX | 1.6 | R | 51.4 | 16.1 | 1 | 110.4 | 433 | 13 |
| ASGROW | AG11X8 § | RRX | 1.1 | R | 50.9 | 16.2 | 1 | 110.4 | 429 | 14 |
| REA | RX1027 | RRX | 1.0 | R | 50.9 | 15.9 | 1 | 108.9 | 429 | 15 |
| GOLDEN HARVEST | GH1317X | RRX | 1.3 | R | 50.0 | 15.9 | 1 | 107.4 | 421 | 16 |
| GOLDEN HARVEST | GH0936X | RRX | 0.9 | MR | 49.6 | 16.2 | 5 | 104.5 | 417 | 17 |
| HEFTY | Z1300E | E3 | 1.3 | R | 49.6 | 16.9 | 3 | 110.4 | 416 | 18 |
| CREDENZ | CZ 1280GTLL | LG27 | 1.2 | MR | 49.3 | 15.7 | 1 | 103.1 | 416 | 19 |
| LATHAM | L 1359 LLGT27 | LG27 | 1.3 | R | 49.3 | 17.1 | 5 | 110.4 | 414 | 20 |
| HEFTY | H14X0 | RRX | 1.4 | R | 48.9 | 15.8 | 1 | 110.4 | 412 | 21 |
| REA | RX1428 | RRX | 1.4 | R | 48.7 | 16.1 | 1 | 107.5 | 409 | 22 |
| REA | RX1529 | RRX | 1.5 | R | 48.6 | 16.0 | 1 | 104.5 | 409 | 23 |
| STINE | 15GA20 § | LG27 | 1.5 | R | 48.5 | 16.2 | 5 | 108.9 | 408 | 24 |
| RENK | RS100NX | RRX | 1.0 | R | 48.1 | 16.0 | 1 | 116.2 | 405 | 25 |
| LATHAM | L 1673R2 | RR2Y | 1.6 | S | 47.8 | 15.9 | 1 | 113.3 | 403 | 26 |
| GENESIS | G1340E | E3 | 1.3 | R | 47.6 | 16.1 | 1 | 107.5 | 401 | 27 |
| RENK | RS170NX | RRX | 1.6 | R | 47.6 | 15.9 | 1 | 103.8 | 400 | 28 |
| PIONEER | P08A72X § | RRX | 0.8 | R | 47.6 | 16.0 | 1 | 107.5 | 400 | 29 |
| GENESIS | G1680GL | LG27 | 1.6 | R | 46.5 | 16.2 | 1 | 113.3 | 392 | 30 |

| | | | | | | |
|---|--------------|-------------|-------------|----------|--------------|------------|
|  | Averages = | 47.1 | 16.1 | 2 | 108.4 | 397 |
| | LSD (0.10) = | 7.0 | 0.2 | ns | | |
| | LSD (0.25) = | 3.7 | 0.1 | ns | | |
| | C.V. = | 11.5 | | | | |

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Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$8.50

Report Date: 11/11/2019

† 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 - South Dakota Northeast [SDNE]

All-Season Test Products (54 Total)

| Company/Brand | Product/Brand | Technology | SCN | RM |
|----------------|---------------|------------|-----|-----|
| ASGROW | AG10X9 § | RRX | R | 1.0 |
| ASGROW | AG11X8 § | RRX | R | 1.1 |
| ASGROW | AG17X8 § | RRX | R | 1.7 |
| CREDENZ | CZ 1280GTLL | LG27 | MR | 1.2 |
| CREDENZ | CZ 1549GTLL | LG27 | R | 1.5 |
| DYNA-GRO | S13XT89 | RRX | R | 1.3 |
| DYNA-GRO | S16XT58 | RRX | R | 1.6 |
| GENESIS | G1340E | E3 | R | 1.3 |
| GENESIS | G1680GL | LG27 | R | 1.6 |
| GOLDEN HARVEST | GH0936X | RRX | MR | 0.9 |
| GOLDEN HARVEST | GH1317X | RRX | R | 1.3 |
| GOLDEN HARVEST | GH1538X | RRX | R | 1.5 |
| HEFTY | H10E0 | E3 | R | 1.0 |
| HEFTY | H14X0 | RRX | R | 1.4 |
| HEFTY | H16X1 | RRX | R | 1.6 |
| HEFTY | H16X8 | RRX | MR | 1.6 |
| HEFTY | Z1300E | E3 | R | 1.3 |
| HEFTY | Z1401E | E3 | R | 1.4 |
| HEFTY | Z1600E | E3 | R | 1.6 |
| LATHAM | L 1359 LLGT27 | LG27 | R | 1.3 |
| LATHAM | L 1392 E3 | E3 | R | 1.3 |
| LATHAM | L 1482R2X | RRX | R | 1.4 |
| LATHAM | L 1595 E3 | E3 | R | 1.5 |
| LATHAM | L 1648 LLGT27 | LG27 | R | 1.6 |
| LATHAM | L 1673R2 | RR2Y | S | 1.6 |
| LATHAM | L 1769R2X | RRX | R | 1.7 |
| LATHAM | L 1793 LLGT27 | LG27 | R | 1.7 |
| NK BRAND | S09-D4X § | RRX | MR | 0.9 |
| NK BRAND | S14-B2X § | RRX | R | 1.4 |
| NK BRAND | S14-U9X § | RRX | MR | 1.4 |
| PIONEER | P08A72X § | RRX | R | 0.8 |
| PIONEER | P12A59X § | RRX | R | 1.2 |
| PIONEER | P15T46R2 § | RR2Y | R | 1.5 |
| REA | RX1027 | RRX | R | 1.0 |
| REA | RX1428 | RRX | R | 1.4 |
| REA | RX1529 | RRX | R | 1.5 |

| Company/Brand | Brand/Product | Technology | RM | SCN |
|---------------|---------------|------------|----|-----|
| REA | RX1610 GC | RRX | R | 1.6 |
| REA | RX1739 | RRX | R | 1.7 |
| RENK | RS100NX | RRX | R | 1.0 |
| RENK | RS149NX | RRX | R | 1.4 |
| RENK | RS153NR2 | RR2Y | R | 1.5 |
| RENK | RS170NX | RRX | R | 1.6 |
| STINE | 09EA02 § | E3 | R | 0.9 |
| STINE | 13EA12 § | E3 | R | 1.3 |
| STINE | 15GA20 § | LG27 | R | 1.5 |
| THUNDER | SB8010N | RRX | R | 1.0 |
| THUNDER | SB8012N | RRX | R | 1.2 |
| THUNDER | SB8814N | RRX | R | 1.4 |
| THUNDER | TE7011N | E3 | R | 1.1 |
| THUNDER | TE7013N | E3 | R | 1.3 |
| THUNDER | TE7017N | E3 | R | 1.7 |
| THUNDER | TE7910N | E3 | R | 1.0 |
| THUNDER | TG6013N | E3 | R | 1.3 |
| TITAN PRO | TP-15E9 | E3 | R | 1.5 |

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™ |
| LG27 or G27 | LibertyLink® 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 |
