

2018 Soybean Top 30 Harvest Report

Minnesota South [MNSO] EASTON

Dru Martin, Faribault County, MN 56025



Test by: IMQ, LLC, New Richland, MN

PREV. CROP/HERB: Corn / SureStart, Status
 SOIL DESCRIPTION: Guckeen, Marna silty clay loam, moderately drained, non-irrigated
 SOIL CONDITIONS: High P, medium K, 6.2 pH, 5.6% OM, 29.4 CEC
 TILLAGE/CULTIVATION: Conventional w/ fall till
 PEST MANAGEMENT: glyphosate, Lamcap II
 APPLIED N-P-K (units): 0-0-0
 SEEDED - RATE - ROW: May 28 140,000 /A 30" Spacing
 HARVESTED - STAND: Oct 23 131,700 /A

Early-Season Test

Maturity Group 1.6 - 1.9

S2018MNSO05a

Top 30 of 42

For Gross Income (Sorted by Yield)

Average of (3) Replications

| Company/Brand | Product/Brand† | Technol.† | Mat. | SCN Resist. | Yield Bu/A | Moisture % | Lodging % | Stand (x 1000) | Gross Income \$/Acre | Rank |
|------------------|----------------|-------------|------------|-------------|-------------|------------|-----------|----------------|----------------------|-----------|
| Stine | 19RF32 GC | RR2Y | 1.9 | R | 69.6 | 9.3 | 0 | 132.1 | \$574 | 1 |
| Federal | F195NRR2Y | RR2Y | 1.9 | R | 69.2 | 9.4 | 0 | 132.5 | \$571 | 2 |
| Golden Harvest | GH1852X | RRX | 1.8 | R | 68.4 | 9.5 | 0 | 132.1 | \$564 | 3 |
| AgriGold | G1990RX | RRX | 1.9 | R | 68.4 | 9.2 | 0 | 131.1 | \$564 | 4 |
| AgriGold | G1502RX | RRX | 1.5 | R | 67.8 | 9.4 | 0 | 132.1 | \$559 | 5 |
| NorthStar | NS 1911NR2 | RR2Y | 1.9 | MR | 67.7 | 9.7 | 0 | 131.1 | \$559 | 6 |
| NorthStar | NS 61903NXR2 | RRX | 1.9 | MR | 67.5 | 9.5 | 0 | 132.5 | \$557 | 7 |
| Federal | F1690NR2X | RRX | 1.6 | R | 67.2 | 9.6 | 0 | 131.6 | \$554 | 8 |
| Latham | L1858R2 | RR2Y | 1.8 | R | 66.9 | 9.6 | 0 | 131.6 | \$552 | 9 |
| Federal | F2090NR2X | RRX | 1.9 | R | 66.7 | 9.4 | 0 | 132.5 | \$550 | 10 |
| Dairyland | DSR-1950/R2Y | RR2Y | 1.9 | R | 66.5 | 9.5 | 0 | 130.7 | \$549 | 12 |
| NK Brand | S18-G4X § | RRX | 1.8 | R | 65.7 | 9.4 | 0 | 132.5 | \$542 | 13 |
| Hefty | H18X8 | RRX | 1.8 | MR | 65.5 | 9.5 | 0 | 131.6 | \$540 | 14 |
| Latham | L1769R2X | RRX | 1.7 | R | 65.5 | 9.6 | 0 | 131.6 | \$540 | 15 |
| Dairyland | DSR-1870/R2Y | RR2Y | 1.8 | R | 65.5 | 9.6 | 0 | 131.1 | \$540 | 16 |
| Cornelius | CB18X80 | RRX | 1.8 | R | 65.1 | 9.3 | 0 | 131.6 | \$537 | 17 |
| Cornelius | CB19R71 | RR2Y | 1.9 | R | 65.1 | 9.3 | 0 | 131.1 | \$537 | 18 |
| Titan Pro | TP 18X97 | RRX | 1.8 | MR | 64.1 | 9.1 | 0 | 132.1 | \$529 | 19 |
| Federal | F1880NR2X | RRX | 1.8 | R | 63.6 | 9.3 | 0 | 132.1 | \$525 | 20 |
| Asgrow | AG17X8 § | RRX | 1.7 | R | 63.6 | 9.6 | 0 | 131.6 | \$525 | 21 |
| Pioneer | P15T46R2 GC | RR2Y | 1.5 | R | 63.5 | 9.6 | 0 | 131.1 | \$524 | 22 |
| Dyna-Gro | S18XT38 | RRX | 1.8 | MR | 63.3 | 9.2 | 0 | 131.6 | \$522 | 23 |
| Stine | 19BA23 § | G27 | 2.0 | R | 63.1 | 10.4 | 0 | 131.6 | \$521 | 24 |
| Hefty | H16X8 | RRX | 1.6 | MR | 63.0 | 9.8 | 0 | 130.7 | \$520 | 25 |
| Dyna-Gro | S16XT58 | RRX | 1.6 | R | 62.9 | 9.8 | 0 | 130.7 | \$519 | 26 |
| Hefty | H17X9 | RRX | 1.7 | MR | 62.9 | 11.0 | 1 | 131.6 | \$519 | 27 |
| Latham | L1748R2 | RR2Y | 1.7 | R | 62.8 | 9.6 | 0 | 131.1 | \$518 | 28 |
| Golden Harvest | GH1915X | RRX | 1.9 | R | 62.3 | 9.3 | 0 | 131.6 | \$514 | 29 |
| Prairie Brand | PB-1787R2 | RR2Y | 1.7 | R | 62.2 | 9.5 | 0 | 132.5 | \$513 | 30 |
| Pioneer | P16A35X § | RRX | 1.6 | R | 61.3 | 9.6 | 0 | 132.5 | \$506 | 31 |
| Thunder | SB8818N CK | RRX | 1.8 | R | 66.6 | 9.4 | 0 | 132.5 | \$549 | 11 |

Mark Querna

Mark Querna

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Averages = **63.6** **9.6** **0** **131.7** **\$525**

LSD (0.10) = 3.6 0.2 ns

LSD (0.25) = 1.9 0.1 ns

C.V. = 5.4 Prev. years avg. yield, 54.6 bu/a, 15 yrs

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.020 Prices = \$8.25 GMO; \$8.25 non-GMO

TEST COMMENTS: *Planting was delayed because of April snow and cool, wet conditions. Once planted, this location received above normal amounts of rainfall all season. This was a nice level site. The full-season test had more yield variation from excess soil moisture. Otherwise, plants were quite uniform and healthy at harvest. Dru stated that his field surrounding the plot averaged about 64 bpa.*

† See last page for abbreviation descriptions. Results in **bold** are significantly above test average by LSD (0.10). **ns** = column values not significantly different.

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Report Date: 10/26/2018 Revised:

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SOIL CONDITIONS: High P, medium K, 6.2 pH, 5.6% OM, 29.4 CEC
TILLAGE/CULTIVATION: Conventional w/ fall till
PEST MANAGEMENT: glyphosate, Lamcap II
APPLIED N-P-K (units): 0-0-0
SEEDED - RATE - ROW: May 28 140,000 /A 30" Spacing
HARVESTED - STAND: Oct 23 131,000 /A

Full-Season Test
Maturity Group 2.0 - 2.3
S2018MNSO05b

Top 30 of 48

For Gross Income (Sorted by Yield)
Average of (3) Replications

| Company/Brand | Product/Brand† | Technol.† | Mat. | SCN Resist. | Yield Bu/A | Moisture % | Lodging % | Stand (x 1000) | Gross Income \$/Acre | Rank |
|------------------|----------------|-------------|------------|-------------|-------------|-------------|-----------|----------------|----------------------|-----------|
| Latham | L2228R2 | RR2Y | 2.2 | R | 66.8 | 9.4 | 0 | 131.6 | \$551 | 1 |
| Hefty | H22X8 | RRX | 2.2 | MR | 66.6 | 9.2 | 0 | 132.1 | \$549 | 2 |
| AgriGold | G2105RX | RRX | 2.1 | R | 66.5 | 9.6 | 0 | 131.6 | \$549 | 3 |
| Mustang | 22X228 GC | RRX | 2.2 | R | 65.9 | 9.2 | 0 | 131.1 | \$544 | 4 |
| Dairyland | DSR-2197/R2Y | RR2Y | 2.1 | R | 65.8 | 9.4 | 0 | 130.7 | \$543 | 5 |
| Renk | RS207NX | RRX | 2.0 | R | 65.8 | 9.5 | 0 | 131.6 | \$543 | 6 |
| AgriGold | G2250RX | RRX | 2.2 | R | 64.8 | 9.3 | 0 | 132.1 | \$535 | 7 |
| Dyna-Gro | S21XT77 | RRX | 2.1 | R | 64.4 | 9.6 | 0 | 131.1 | \$531 | 8 |
| Cornelius | CB20R44 | RR2Y | 2.0 | R | 64.3 | 9.8 | 1 | 131.6 | \$530 | 9 |
| NorthStar | NS 62002NXR2 | RRX | 2.0 | MR | 63.2 | 9.4 | 1 | 129.7 | \$521 | 10 |
| Renk | RS219NX | RRX | 2.1 | R | 62.9 | 9.2 | 0 | 132.5 | \$519 | 11 |
| AgriGold | G2355RX | RRX | 2.3 | R | 62.8 | 10.4 | 0 | 132.5 | \$518 | 12 |
| Cornelius | CB20X56 | RRX | 2.0 | R | 62.6 | 10.2 | 0 | 130.7 | \$516 | 13 |
| Latham | L2295R2X | RRX | 2.2 | R | 61.9 | 9.3 | 0 | 131.1 | \$511 | 14 |
| Federal | F2280NR2X | RRX | 2.2 | R | 61.5 | 9.2 | 0 | 131.6 | \$507 | 15 |
| Asgrow | AG20X7 § | RRX | 2.0 | R | 61.2 | 9.6 | 0 | 131.1 | \$505 | 16 |
| LG Seeds | LGS2007RX | RRX | 2.0 | R | 61.1 | 9.2 | 0 | 132.1 | \$504 | 17 |
| Renk | RS213NR2 | RR2Y | 2.1 | R | 61.1 | 9.3 | 0 | 131.1 | \$504 | 18 |
| Titan Pro | TP 20X98 | RRX | 2.0 | MR | 61.1 | 9.2 | 1 | 131.6 | \$504 | 19 |
| Pfister | 20R23 | RR2Y | 2.0 | R | 61.0 | 9.6 | 0 | 131.6 | \$503 | 20 |
| Mustang | 24X728 GC | RRX | 2.4 | R | 60.8 | 10.3 | 0 | 131.1 | \$502 | 21 |
| Stine | 21RI32 § | RR2Y | 2.1 | R | 60.6 | 9.4 | 0 | 132.1 | \$500 | 22 |
| NK Brand | S21-W8X § | RRX | 2.1 | R | 60.5 | 9.4 | 0 | 131.1 | \$499 | 23 |
| Hefty | H21X9 | RRX | 2.1 | MR | 60.4 | 9.3 | 0 | 129.7 | \$498 | 24 |
| Anderson | 217RXT | RRX | 2.0 | MR | 59.9 | 9.2 | 1 | 132.5 | \$494 | 25 |
| NorthStar | NS 2362NR2 | RR2Y | 2.3 | MR | 59.7 | 9.8 | 0 | 130.7 | \$493 | 26 |
| Federal | F2190NR2X | RRX | 2.1 | R | 59.6 | 9.2 | 0 | 130.7 | \$492 | 27 |
| Latham | L2239R2X | RRX | 2.2 | R | 59.2 | 9.2 | 0 | 131.1 | \$488 | 28 |
| Latham | L2084R2 | RR2Y | 2.0 | R | 59.2 | 9.5 | 0 | 129.3 | \$488 | 29 |
| Hefty | H20X7 | RRX | 2.0 | MR | 59.2 | 9.3 | 1 | 131.6 | \$488 | 30 |
| Thunder | SB8818N CK | RRX | 1.8 | R | 57.4 | 9.5 | 1 | 127.4 | \$474 | 36 |

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Averages = **59.9** **9.5** **0** **131.0** **\$494**
LSD (0.10) = 4.8 0.2 ns
LSD (0.25) = 2.5 0.1 ns
C.V. = 7.4

Prev. years avg. yield, 54.6 bu/a, 15 yrs

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.020 Prices = \$8.25 GMO; \$8.25 non-GMO

TEST COMMENTS: *Planting was delayed because of April snow and cool, wet conditions. Once planted, this location received above normal amounts of rainfall all season. This was a nice level site. The full-season test had more yield variation from excess soil moisture. Otherwise, plants were quite uniform and healthy at harvest. Dru stated that his field surrounding the plot averaged about 64 bpa.*

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Footnotes and Abbreviation Descriptions

Brand Footnotes

| | |
|----|---|
| ^ | Innotech™ brand seed is distributed by Rob-See-Co, LLC. Innotech™ is a trademark of Syngenta. |
| 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 Technologies

| | |
|------|---------------------------------|
| G27 | 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 |

Soybean Cyst Nematode (SCN) Resistance Rating

| | |
|-----|---------------------|
| S | susceptible |
| MR | moderate resistance |
| R | resistant |
| n/a | info unavailable |

Soybean Seed Treatments*

| | | | |
|-------|---|------|----------------------------------|
| ? | Information not provided | Gr+ | Great Start™ Max Plus |
| A2020 | Alert 2020™ | I | insecticide |
| AC | Acceleron® fungicide products | IL | ILeVO® |
| ACi | Acceleron® fungicide and insecticide products | In | Intego™ Solo |
| AM | ApronMaxx® | IS | Intego™ Suite |
| ASfi | AgriShield® F+I | Lu | Lumisena™ |
| AVB | Avicta® Complete Beans | Me | Mertect® |
| AVBV | Avicta® Complete Beans with Vibrance | None | untreated |
| BB | Buckeye Boost ST | Pd | proTect D™ |
| CCB | Clariva™ Complete Beans | PG+ | Profit Guard +™ |
| CI | Clariva™ pn | PS | MAS Pro-Shield |
| CMB | CruiserMaxx® Beans | PV | Poncho®/Votivo® |
| CMBV | CruiserMaxx® Beans with Vibrance | R | Redigo™ |
| DPHB | DPH Boost® | Ret | Revize® SB+T |
| DST | Dominance™ ST | Ri | Rizolex™ |
| DX | Defend™ Extra | SF | Stine XP F |
| EcTC | Eclipse™ US Total coverage | SFI | Stine XP fungicide & insecticide |
| EE | Evergol™ Energy | SS | Soyshield™ |
| EL | Elevate™ F+I | SS+ | Soyshield Plus™ |
| EL+ | Elevate™ Plus | TE | Trius Elite™ |
| En | Encase® | TT | Turbo Treat™ |
| EQV | Equity® VIP | W | Warden® CX |
| Es | Escalate™ | Wr | Warden® RTA |
| F | fungicide | YPP | YP Pro™ |
| G | Gaucho® | | |

* Seed treatments may include unspecified plant health promoting components.