

2018 Soybean Top 30 Harvest Report
 Red River Valley Central [RRCE] EAST GRAND FORKS
 Matthew Krueger, Polk County, MN 56721



PREV. CROP/HERB: Sugarbeet
 SOIL DESCRIPTION: Bearden-Colvin silty clay loam, mod. poor drained, non-irrigated
 SOIL CONDITIONS: Low P, low K, 7.9 pH, 3.4% OM, 34.1 CEC
 TILLAGE/CULTIVATION: Conventional w/o fall till
 PEST MANAGEMENT: Roundup, Valor
 APPLIED N-P-K (units): 0-0-0
 SEEDED - RATE - ROW: May 25 140,000 /A 30" Spacing
 HARVESTED - STAND: Oct 24 134,500 /A

All-Season Test
Maturity Group 0.2 - 1.0
 S2018RRCE03

Top 30 of 60

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 |
|----------------|----------------|------------|------------|-------------|-------------|-------------|-----------|----------------|----------------------|-----------|
| Titan Pro | TP 06X57 | RRX | 0.6 | MR | 51.2 | 12.3 | 2 | 130.2 | \$347 | 1 |
| Taylor | 0718XS GC | RRX | 0.7 | MR | 51.0 | 12.2 | 2 | 134.9 | \$346 | 2 |
| Dairyland | DSR-0418/R2Y | RR2Y | 0.4 | MR | 50.3 | 11.6 | 1 | 136.3 | \$341 | 3 |
| REA | RX0719 | RRX | 0.7 | R | 49.4 | 12.0 | 1 | 134.4 | \$335 | 4 |
| Dyna-Gro | S06XT59 | RRX | 0.6 | R | 49.3 | 13.0 | 2 | 134.9 | \$334 | 5 |
| Proseed | 30-80 | RR2Y | 0.8 | R | 49.1 | 11.7 | 0 | 132.1 | \$333 | 6 |
| Proseed | XT60-40N | RRX | 0.4 | R | 48.9 | 10.9 | 0 | 133.5 | \$332 | 7 |
| Thunder | 3907R2YN | RR2Y | 0.7 | R | 48.8 | 11.7 | 2 | 136.3 | \$331 | 8 |
| Prairie Brand | PB-0578R2 | RR2Y | 0.5 | R | 48.7 | 11.6 | 1 | 137.2 | \$330 | 9 |
| Stine | 09RI62 § | RR2Y | 0.9 | R | 48.6 | 12.6 | 2 | 135.3 | \$330 | 10 |
| NK Brand | S07-Q4X § | RRX | 0.7 | MR | 48.6 | 13.2 | 0 | 134.9 | \$329 | 11 |
| Hefty | H08X8 | RRX | 0.8 | MR | 48.0 | 12.0 | 0 | 137.7 | \$325 | 12 |
| Hefty | H02X9 | RRX | 0.2 | MR | 47.8 | 11.0 | 2 | 135.8 | \$324 | 13 |
| Hefty | H06X8 | RRX | 0.6 | MR | 47.7 | 12.8 | 3 | 133.0 | \$323 | 14 |
| REA | RX0628 | RRX | 0.6 | R | 47.4 | 11.9 | 1 | 134.9 | \$321 | 15 |
| Golden Harvest | GH0749X | RRX | 0.7 | MR | 47.4 | 13.5 | 2 | 136.3 | \$321 | 16 |
| Latham | L0739R2X | RRX | 0.7 | R | 47.2 | 12.7 | 1 | 132.1 | \$320 | 17 |
| Latham | L0982R2 | RR2Y | 0.9 | R | 47.1 | 15.1 | 6 | 135.8 | \$317 | 19 |
| Hefty | H04X8 | RRX | 0.4 | MR | 47.0 | 11.9 | 1 | 133.5 | \$319 | 18 |
| Thunder | SB8903N | RRX | 0.3 | R | 46.8 | 10.8 | 0 | 135.8 | \$317 | 20 |
| NK Brand | S09-R8X § | RRX | 0.9 | R | 46.8 | 15.8 | 2 | 135.8 | \$315 | 21 |
| Legacy Seeds | LS-0438RR2X § | RRX | 0.4 | S | 46.5 | 11.3 | 0 | 134.9 | \$315 | 22 |
| Mycogen | 5B033R2 § | RR2Y,ST | 0.3 | S | 46.5 | 11.3 | 1 | 135.3 | \$315 | 23 |
| Dyna-Gro | S07XT28 | RRX | 0.7 | R | 46.4 | 12.6 | 3 | 133.0 | \$315 | 24 |
| Hefty | H02X7 | RRX | 0.2 | S | 46.1 | 10.9 | 1 | 132.5 | \$313 | 25 |
| Thunder | SB8807N | RRX | 0.7 | R | 46.1 | 12.6 | 4 | 136.7 | \$313 | 26 |
| Dyna-Gro | S05XT88 | RRX | 0.5 | MR | 46.0 | 11.5 | 1 | 134.9 | \$312 | 27 |
| Dairyland | DSR-0988/R2Y | RR2Y | 0.9 | R | 45.9 | 13.2 | 3 | 135.3 | \$311 | 28 |
| Renk | RS058NX | RRX | 0.5 | R | 45.7 | 11.3 | 0 | 134.4 | \$310 | 29 |
| Titan Pro | TP 08X17 | RRX | 0.8 | MR | 45.6 | 11.4 | 0 | 131.6 | \$309 | 30 |

Averages = **44.8** **12.0** **2** **134.5** **\$304**

LSD (0.10) = 4.0 0.7 2.7

LSD (0.25) = 2.1 0.4 1.4

Luke Brendemuhl

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C.V. = 8.5

Prev. years avg. yield, 45.9 bu/a, 1 yr

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.020 Prices = \$6.78 GMO; \$6.78 non-GMO

TEST COMMENTS: This test site was planted late May into a freshly worked sugarbeet field a few days before Matt could plant the surrounding field. This field had timely rains except from July 9 to August 18 when only an estimated 0.6 inches fell during a very warm period. At harvest, some varieties had a few upper pods that were not full. Overall, plants were bushy with lodging noted on some of the taller varieties.

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

Additional reports available at www.firstseedtests.com

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Report Date: 10/25/2018 Revised:

2018 Soybean - Red River Valley Central [RRCE]

All-Season Test Products (60 Total)

| Company/Brand | Product/Brand | Technol. | Mat. | SCN | Seed Trt | Company/Brand | Product/Brand | Technol. | Mat. | SCN | Seed Trt |
|----------------|---------------|----------|------|-----|----------|---------------|---------------|----------|------|-----|----------|
| Asgrow | AG02X8 § | RRX | 0.2 | S | AC,PV | REA | RX0929 | RRX | 0.9 | R | AC,PV |
| Asgrow | AG03X7 § | RRX | 0.3 | R | AC,PV | Renk | RS039NX | RRX | 0.3 | R | EcTC |
| Asgrow | AG06X8 § | RRX | 0.6 | R | AC,PV | Renk | RS058NX | RRX | 0.5 | R | EcTC |
| Dairyland | DSR-0225/R2Y | RR2Y | 0.2 | S | CMB | Stine | 09R162 § | RR2Y | 0.9 | R | SF |
| Dairyland | DSR-0397/R2Y | RR2Y | 0.3 | S | CMB | Taylor | 0718XS GC | RRX | 0.7 | MR | None |
| Dairyland | DSR-0418/R2Y | RR2Y | 0.4 | MR | CMB | Taylor | 096-2R § | RR2Y | 0.9 | MR | None |
| Dairyland | DSR-0988/R2Y | RR2Y | 0.9 | R | CMB | Thunder | 3503R2Y | RR2Y | 0.3 | S | Ret |
| Dyna-Gro | S05XT88 | RRX | 0.5 | MR | EQV | Thunder | 3907R2YN | RR2Y | 0.7 | R | Ret |
| Dyna-Gro | S06XT59 | RRX | 0.6 | R | EQV | Thunder | SB8805N | RRX | 0.5 | R | Ret |
| Dyna-Gro | S07XT28 | RRX | 0.7 | R | EQV | Thunder | SB8807N | RRX | 0.7 | R | Ret |
| Golden Harvest | GH0339X | RRX | 0.3 | S | CCB,Me | Thunder | SB8903N | RRX | 0.3 | R | Ret |
| Golden Harvest | GH0391 | RR2Y | 0.3 | MR | CCB,Me | Thunder | SB8906N | RRX | 0.6 | R | Ret |
| Golden Harvest | GH0674X | RRX | 0.6 | S | CCB,Me | Thunder | SB8909N | RRX | 0.9 | R | Ret |
| Golden Harvest | GH0749X | RRX | 0.7 | MR | CCB,Me | Titan Pro | TP 06X57 | RRX | 0.6 | MR | R |
| Hefty | H02X7 | RRX | 0.2 | S | None | Titan Pro | TP 08X17 | RRX | 0.8 | MR | None |
| Hefty | H02X9 | RRX | 0.2 | MR | DST | | | | | | |
| Hefty | H03X8 | RRX | 0.3 | MR | DST | | | | | | |
| Hefty | H04X8 | RRX | 0.4 | MR | DST | | | | | | |
| Hefty | H05X8 | RRX | 0.5 | MR | DST | | | | | | |
| Hefty | H06X8 | RRX | 0.6 | MR | DST | | | | | | |
| Hefty | H08X8 | RRX | 0.8 | MR | DST | | | | | | |
| Hefty | H09X9 | RRX | 0.9 | MR | DST | | | | | | |
| Latham | E0559R2X | RRX | 0.5 | R | SS+ | | | | | | |
| Latham | E0638R2X | RRX | 0.6 | R | SS+ | | | | | | |
| Latham | L0739R2X | RRX | 0.7 | R | SS+ | | | | | | |
| Latham | L0859R2X | RRX | 0.8 | R | SS+ | | | | | | |
| Latham | L0982R2 | RR2Y | 0.9 | R | SS+ | | | | | | |
| Latham | L1092R2X | RRX | 1.0 | R | SS+ | | | | | | |
| Legacy Seeds | LS-0438RR2X § | RRX | 0.4 | S | ? | | | | | | |
| Mycogen | 5B033R2 § | RR2Y,ST | 0.3 | S | CCB | | | | | | |
| Mycogen | 5N052R2 § | RR2Y | 0.5 | MR | CCB | | | | | | |
| Mycogen | 5N078R2 § | RR2Y | 0.7 | R | None | | | | | | |
| NK Brand | S03-G9 § | RR2Y | 0.3 | MR | CCB,Me | | | | | | |
| NK Brand | S07-Q4X § | RRX | 0.7 | MR | CCB,Me | | | | | | |
| NK Brand | S09-R8X § | RRX | 0.9 | R | CCB,Me | | | | | | |
| Prairie Brand | PB-0578R2 | RR2Y | 0.5 | R | CMB | | | | | | |
| Prairie Brand | PB-0987R2 | RR2Y | 0.9 | R | CMB | | | | | | |
| Proseed | 30-80 | RR2Y | 0.8 | R | CMB | | | | | | |
| Proseed | XT60-40N | RRX | 0.4 | R | CMB | | | | | | |
| Proseed | XT70-70 | RRX | 0.7 | R | CMB | | | | | | |
| Proseed | XT80-80 | RRX | 0.8 | R | CMB | | | | | | |
| REA | RX0228 | RRX | 0.2 | R | AC,PV | | | | | | |
| REA | RX0327 | RRX | 0.3 | R | AC,PV | | | | | | |
| REA | RX0628 | RRX | 0.6 | R | AC,PV | | | | | | |
| REA | RX0719 | RRX | 0.7 | R | AC,PV | | | | | | |

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.