

2017 Soybean Top 30 Harvest Report
 Red River Valley Central [RRCE] MAYVILLE
 Bill Cotton, Traill County, ND 58045



PREV. CROP/HERB: Wheat / Husky, Affinity Broad Spectrum
 SOIL DESCRIPTION: Glyndon silt loam, mod. poor drained, non-irrigated
 SOIL CONDITIONS: Low P, high K, 8.3 pH, 2.3% OM, 19.7 CEC
 TILLAGE/CULTIVATION: Conventional w/ fall till
 PEST MANAGEMENT: glyphosate, Lorsban
 APPLIED N-P-K (units): 11-52-60
 SEEDING - RATE - ROW: May 19 140,000 /A 30" Spacing
 HARVESTED - STAND: Oct 17 133,800 /A

All-Season Test
Maturity Group 0.2 - 0.9
 S2017RRCE03

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 |
|----------------|----------------|------------|------------|-------------|-------------|------------|-----------|----------------|----------------------|-----------|
| REA | RX0628 | RRX | 0.6 | R | 52.6 | 8.7 | 2 | 133.5 | \$462 | 1 |
| Latham | L0982R2 | RR2Y | 0.9 | R | 52.5 | 8.6 | 3 | 135.8 | \$461 | 2 |
| Dairyland | DSR-0988/R2Y | RR2Y | 0.9 | R | 51.7 | 9.0 | 3 | 133.0 | \$454 | 3 |
| Prairie Brand | PB-0777R2 | RR2Y | 0.7 | R | 51.4 | 8.7 | 4 | 134.9 | \$452 | 4 |
| Hefty | H09X7 | RRX | 0.9 | R | 49.7 | 8.9 | 2 | 136.7 | \$437 | 5 |
| Latham | L0838R2 | RR2Y | 0.8 | R | 49.6 | 8.8 | 3 | 132.5 | \$436 | 6 |
| Pioneer | P05A93X § | RRX | 0.5 | R | 49.3 | 8.5 | 1 | 135.8 | \$433 | 7 |
| Stine | 09RI62 § | RR2Y | 0.9 | R | 48.8 | 8.8 | 3 | 131.6 | \$429 | 8 |
| Latham | L0739R2X | RRX | 0.7 | R | 48.7 | 8.6 | 5 | 130.7 | \$428 | 9 |
| Thunder | 3408R2YN | RR2Y | 0.8 | R | 48.6 | 8.7 | 1 | 129.3 | \$427 | 10 |
| Thunder | SB8807N | RRX | 0.7 | R | 48.5 | 8.6 | 8 | 135.8 | \$426 | 11 |
| Dyna-Gro | S07RY45 | RR2Y | 0.7 | R | 48.4 | 8.8 | 4 | 133.0 | \$425 | 12 |
| Asgrow | AG06X8 § | RRX | 0.6 | R | 47.8 | 8.6 | 15 | 129.7 | \$420 | 13 |
| Renk | RS084NR2 | RR2Y | 0.8 | R | 47.5 | 8.7 | 2 | 132.1 | \$418 | 14 |
| Peterson Seed | 13R03 GC | RR2Y | 0.3 | S | 47.3 | 8.7 | 1 | 134.9 | \$416 | 15 |
| Latham | L0535R2X | RRX | 0.5 | MR | 46.8 | 8.7 | 1 | 133.9 | \$411 | 16 |
| REA | RX0327 | RRX | 0.3 | R | 46.8 | 8.6 | 2 | 135.3 | \$411 | 17 |
| Peterson Seed | 17X09N GC | RRX | 0.9 | R | 46.0 | 8.8 | 1 | 131.1 | \$404 | 18 |
| Latham | L0938EXGT | BG | 0.9 | R | 45.8 | 8.7 | 1 | 134.4 | \$403 | 19 |
| Golden Harvest | GH0391 § | RR2Y | 0.3 | MR | 45.8 | 9.0 | 1 | 133.9 | \$403 | 20 |
| Mustang | 06X628 | RRX | 0.6 | R | 45.8 | 8.6 | 2 | 135.3 | \$403 | 21 |
| Asgrow | AG02X8 § | RRX | 0.2 | S | 45.7 | 8.4 | 3 | 136.7 | \$402 | 22 |
| Thunder | 3505R2YN | RR2Y | 0.5 | R | 45.5 | 8.8 | 1 | 135.3 | \$400 | 23 |
| Hefty | H08X8 | RRX | 0.8 | R | 45.3 | 8.8 | 4 | 132.5 | \$398 | 24 |
| Thunder | SB8805N | RRX | 0.5 | R | 45.1 | 8.5 | 2 | 134.4 | \$396 | 25 |
| Proseed | PX706N | RRX | 0.6 | R | 45.1 | 8.6 | 9 | 132.5 | \$396 | 26 |
| Golden Harvest | GH0674X § | RRX | 0.6 | S | 45.0 | 8.8 | 1 | 135.3 | \$396 | 27 |
| Asgrow | AG03X7 § | RRX | 0.3 | R | 44.8 | 8.6 | 2 | 133.0 | \$394 | 28 |
| Renk | RS058NX | RRX | 0.5 | R | 44.8 | 8.7 | 2 | 131.6 | \$394 | 29 |
| Hefty | H03X7 | RRX | 0.3 | R | 44.7 | 8.6 | 2 | 131.6 | \$393 | 30 |

Averages = **45.2** **8.7** **3** **133.8** **\$397**

LSD (0.10) = 3.3 ns 2.7

LSD (0.25) = 1.7 ns 1.4

Luke Brendemuhl

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C.V. = 6.9

New test site, no yield history

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.020 Prices = \$8.79 GMO; \$8.79 non-GMO

TEST COMMENTS: This test was situated on a high spot for optimal drainage. Bill, our host grower, did an excellent job of eliminating weeds and producing very healthy looking beans. Rainfall was slightly above average in July, but August to mid-September was dry. Upper pods had varying degrees of fill, likely due to these droughty conditions. Certain varieties displayed slightly higher levels of lodging.

† 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: 10/18/2017 Revised:

Footnotes and Abbreviation Descriptions

Brand Footnotes

| | |
|----|--|
| ^ | G2 [®] brand seed is distributed by NuTech Seed, LLC. RPM [®] brand seed is distributed by Doebler's PA Hybrids, Inc. Supreme EX [®] brand seed is distributed by Seed Consultants, Inc. VPM [®] brand seed is distributed by AgVenture, Inc. XL [®] brand seed is distributed by Beck's Superior Hybrids. Curry [®] , G2 [®] , HPT [®] , RPM [®] , Supreme EX [®] , VPM [®] and XL [®] are registered trademarks of DuPont Pioneer. |
| 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

| | |
|------|---|
| BG | Balance™ GT |
| 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 unavailable | 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 |
| AG | ArmourGuard™ | IS | Intego™ Suite |
| AM | ApronMaxx [®] | MAG | Maximum ArmourGuard™ |
| ASfi | AgriShield [®] F+I | Me | Mertect [®] |
| AVB | Avicta [®] Complete Beans | Mg | Magnum ST™ (standard) |
| AVBV | Avicta [®] Complete Beans with Vibrance [®] | NCFI | N-Compass™ Plus F/I |
| CCB | Clariva™ Complete Beans | None | untreated |
| CI | Clariva™ pn | Pd | proTect D™ |
| CMB | CruiserMaxx [®] Beans | Pdi | proTect D/I™ |
| CMBV | CruiserMaxx [®] Beans with Vibrance [®] | PG+ | Profit Guard +™ |
| DPHB | DPH Boost [®] | PS | MAS Pro-Shield |
| DST | Dominance™ ST | PV | Poncho [®] /Votivo [®] |
| DX | Defend™ Extra | SDPI | Servo™ DPI |
| EcTC | Eclipse™ US Total coverage | SFI | Stine XP fungicide & insecticide |
| EE | Evergol™ Energy | SS | Soyshield™ |
| EL | Elevate™ F+I | SS+ | Soyshield Plus™ |
| ELV | Elevate™ VIP (F+I+N) | SStd | SureStand™ |
| En | Encase [®] | TE | Trius Elite™ |
| EQV | Equity [®] VIP | TT | Turbo Treat™ |
| Es | Escalate™ | W | Warden [®] CX |
| F | fungicide | Wr | Warden [®] RTA |
| G | Gaicho [®] | YPP | YP Pro™ |

* Seed treatments may include unspecified plant health promoting components.