

2015 Soybean Top 30 Harvest Report
 Minnesota South [MNSO] JEFFERS
 Rick Quade, Cottonwood County, MN 56083



PREV. CROP/HERB: Corn / SureStart, Roundup
 SOIL DESCRIPTION: Glencoe-Jeffers clay loam, moderately drained, non-irrigated
 SOIL CONDITIONS: Mod. High P, high K, 6.4 pH, 4.5 % OM, low SCN
 TILLAGE/CULTIVATION: Conventional w/ fall till
 PEST MANAGEMENT: Sonic, Durango, Quilt, Sniper
 SEEDED - RATE - ROW: May 13 140,100 /A 30" Spacing
 HARVESTED - STAND: Oct 9 131,600 /A

Early-Season Test
1.6 - 2 Day RM
 S2015MNSO04a

Top 30 of 42
 For Gross Income (Sorted by Yield)
 Average of (3) Replications

| Company/Brand | Product/Brand† | Technol.† | Mat. | SCN Resist. | Seed Trmt.† | Yield Bu/A | Moisture % | Lodging % | Stand (x 1000) | Gross Income |
|---------------|----------------|-----------|------|-------------|-------------|------------|------------|-----------|----------------|--------------|
| LG Seeds | C1530R2 | RR2Y | 1.50 | R | AC,PV | 69.0 | 9.5 | 0 | 134.3 | \$587 |
| Hefty | H19R6 | RR2Y | 1.90 | MR | DST | 68.8 | 9.3 | 0 | 132.9 | \$585 |
| Mustang | 19726 | RR2Y | 1.90 | S | AC,PV | 68.1 | 9.1 | 0 | 132.4 | \$579 |
| Cornelius | CB19R71 | RR2Y | 1.90 | R | CCB | 67.6 | 9.1 | 0 | 130.1 | \$575 |
| Renk | RS195NR2 | RR2Y | 1.90 | R | None | 67.4 | 9.3 | 0 | 132.0 | \$573 |
| Prairie Brand | PB-1947R2 | RR2Y | 1.90 | R | CMBV | 66.8 | 9.4 | 0 | 130.1 | \$568 |
| Thunder | 3619R2YN | RR2Y | 1.90 | R | CMB | 66.7 | 9.1 | 0 | 131.5 | \$567 |
| Asgrow | AG1935 § | RR2Y | 1.90 | R | ACi | 66.5 | 9.5 | 0 | 132.0 | \$565 |
| NK Brand | S19-B2 § | RR2Y | 1.90 | R | CCB | 66.0 | 10.0 | 0 | 131.0 | \$561 |
| Latham | L1858R2 | RR2Y | 1.80 | R | CMB,CI | 65.8 | 9.2 | 0 | 132.0 | \$559 |
| Titan Pro | TP-17R54 | RR2Y | 1.70 | R | CCB | 65.8 | 9.7 | 0 | 130.1 | \$559 |
| Dyna-Gro | S19RY65 | RR2Y | 1.90 | R | CCB | 65.7 | 10.4 | 0 | 129.2 | \$558 |
| Gold Country | 1414 | RR2Y | 1.40 | R | ACi | 65.6 | 9.7 | 0 | 132.4 | \$558 |
| Thunder | 3617R2Y | RR2Y | 1.70 | S | CMB | 65.5 | 9.6 | 0 | 131.5 | \$557 |
| Pfister | 19R24 | RR2Y | 1.90 | R | CCB | 65.5 | 9.8 | 0 | 132.9 | \$557 |
| Pioneer | P19T78R | RR | 1.90 | R | EE,C,CI | 65.4 | 9.4 | 0 | 132.0 | \$556 |
| Hefty | H18R5 | RR2Y | 1.80 | MR | DST | 65.3 | 9.4 | 0 | 128.7 | \$555 |
| Mustang | 16846 | RR2Y | 1.60 | S | AC,PV | 65.2 | 9.3 | 0 | 133.4 | \$554 |
| Dairyland | DSR-1721/R2Y | RR2Y | 1.70 | R | CMB | 65.2 | 9.8 | 0 | 133.4 | \$554 |
| Titan Pro | TP-18R24 | RR2Y | 1.80 | R | CCB | 65.1 | 9.2 | 0 | 128.2 | \$553 |
| Prairie Brand | PB-1794R2 | RR2Y | 1.70 | R | CMBV | 65.0 | 9.8 | 0 | 130.1 | \$553 |
| Channel | 1709R2 | RR2Y | 1.70 | R | ACi | 65.0 | 9.4 | 1 | 132.9 | \$553 |
| Pfister | 17R28 | RR2Y | 1.70 | R | CCB | 64.7 | 9.4 | 0 | 132.0 | \$550 |
| Renk | RS175NR2 | RR2Y | 1.70 | R | None | 64.4 | 9.8 | 0 | 128.7 | \$547 |
| Viking | 1776R2N | RR2Y | 1.70 | R | PV,IL | 64.1 | 9.7 | 0 | 134.3 | \$545 |
| Latham | L1968R2 | RR2Y | 1.90 | R | CMB,CI | 63.9 | 9.6 | 0 | 132.4 | \$543 |
| Prairie Brand | PB-1822R2 | RR2Y | 1.80 | R | CMBV | 63.6 | 9.6 | 0 | 131.0 | \$541 |
| Latham | L1734R2 | RR2Y | 1.70 | MR | CMB,CI | 63.6 | 9.7 | 0 | 130.6 | \$541 |
| Channel | 1808R2 | RR2Y | 1.80 | R | ACi | 63.6 | 10.0 | 0 | 132.4 | \$541 |
| Latham | L1673R2 | RR2Y | 1.60 | S | CMB,CI | 63.5 | 9.7 | 0 | 130.6 | \$540 |
| Prairie Brand | PB-1956R2 CK | RR2Y | 1.90 | R | CMBV | 68.6 | 9.3 | 0 | 131.0 | \$583 |

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Averages = **64.6** **9.5** **0** **131.6** **\$549**
 LSD (0.10) = 3.9 0.5 ns
 LSD (0.25) = 2.7 0.4 ns
 C.V. = 4.5 3.9

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.020 Prices = \$8.50 GMO; \$8.50 non-GMO

TEST COMMENTS: Cold stress had minor impact on emergence. July was dry for about 10 days, otherwise Rick saw very little plant stress here. Vegetative growth was excellent, resulting in tall plants in all fields. A minor Sept 10 hail event had zero yield effect. The lower yield of full season varieties is showing up across southern MN, and is likely attributed to white mold. This field is pattern tilled for drainage.

† 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: 10/10/2015 Revised:

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 SOIL CONDITIONS: Mod. High P, high K, 6.4 pH, 4.5 % OM, low SCN
 TILLAGE/CULTIVATION: Conventional w/ fall till
 PEST MANAGEMENT: Sonic, Durango, Quilt, Sniper
 SEEDED - RATE - ROW: May 13 140,100 /A 30" Spacing
 HARVESTED - STAND: Oct 9 131,300 /A

Full-Season Test
2.1 - 2.3 Day CRM
 S2015MNSO04b

Top 30 of 45
 For Gross Income (Sorted by Yield)
 Average of (3) Replications

| Company/Brand | Product/Brand† | Technol.† | Mat. | SCN Resist. | Seed Trmt.† | Yield Bu/A | Moisture % | Lodging % | Stand (x 1000) | Gross Income | |
|---------------|----------------|-----------|------|-------------|-------------|--------------|------------|-----------|----------------|--------------|-------|
| Dairyland | DSR-2110/R2Y | RR2Y | 2.10 | R | CMB | 68.8 | 10.5 | 0 | 129.2 | \$585 | |
| Renk | RS213NR2 | RR2Y | 2.10 | R | CMB | 67.7 | 11.0 | 0 | 132.4 | \$575 | |
| Cornelius | CB22R34 | RR2Y | 2.20 | R | CCB | 67.0 | 11.1 | 0 | 132.4 | \$570 | |
| Prairie Brand | PB-2296R2 | RR2Y | 2.20 | R | CMBV | 66.2 | 9.2 | 0 | 128.7 | \$563 | |
| NK Brand | S21-M7 § | RR2Y | 2.10 | R | CCB | 66.2 | 10.5 | 0 | 129.6 | \$563 | |
| Viking | 2055R2N | RR2Y | 2.00 | R | CMB | 66.1 | 9.7 | 0 | 132.4 | \$562 | |
| Stine | 20RD20 § | RR2Y | 2.00 | R | Sfi | 65.4 | 9.7 | 0 | 129.2 | \$556 | |
| Pioneer | P22T69R § | RR | 2.20 | R | EE,C,CI | 65.3 | 9.5 | 0 | 131.0 | \$555 | |
| Channel | 2108R2 | RR2Y | 2.10 | R | ACi | 65.2 | 10.8 | 0 | 130.6 | \$554 | |
| Cornelius | CB20R14 | RR2Y | 2.00 | R | CCB | 65.0 | 10.4 | 0 | 130.1 | \$553 | |
| Latham | L2228R2 | RR2Y | 2.20 | R | CMB,CI | 64.8 | 10.1 | 0 | 131.5 | \$551 | |
| Dyna-Gro | S20RY45 | RR2Y | 2.00 | R | CCB | 64.6 | 9.8 | 0 | 129.2 | \$549 | |
| Pioneer | P22T61R § | RR | 2.20 | R | EE,C,CI | 64.5 | 9.1 | 0 | 133.8 | \$548 | |
| LG Seeds | C2020R2 | RR2Y | 2.00 | R | AC,PV | 64.5 | 10.1 | 0 | 133.4 | \$548 | |
| Dyna-Gro | S20RY94 | RR2Y | 2.00 | R | CCB | 64.4 | 9.1 | 0 | 132.0 | \$547 | |
| Prairie Brand | PB-2024R2 | RR2Y | 2.10 | R | CMBV | 64.4 | 9.7 | 0 | 134.7 | \$547 | |
| Viking | 2282R2N | RR2Y | 2.20 | R | PV,IL | 64.2 | 9.6 | 0 | 129.6 | \$546 | |
| Latham | L2128R2 | RR2Y | 2.10 | R | CMB,CI | 63.9 | 9.9 | 0 | 132.4 | \$543 | |
| Latham | L2387R2 | RR2Y | 2.30 | R | CMB,CI | 63.9 | 10.0 | 0 | 128.7 | \$543 | |
| Dairyland | DSR-2330/R2Y | RR2Y | 2.30 | R | CMB | 63.9 | 10.8 | 0 | 131.5 | \$543 | |
| NK Brand | S20-T6 § | RR2Y | 2.00 | MR | CCB | 63.8 | 9.4 | 0 | 132.9 | \$542 | |
| Stine | 22RD00 § | RR2Y | 2.20 | R | Sfi | 63.4 | 10.3 | 0 | 128.7 | \$539 | |
| Titan Pro | 20M1 | RR2Y | 2.00 | R | CCB | 62.6 | 9.3 | 0 | 132.0 | \$532 | |
| Hefty | H24R6 | RR2Y | 2.30 | MR | DST | 62.3 | 9.9 | 0 | 130.6 | \$530 | |
| Renk | RS216NR2 | RR2Y | 2.10 | R | None | 62.3 | 10.6 | 0 | 132.4 | \$530 | |
| Asgrow | AG2136 § | RR2Y | 2.10 | R | ACi | 62.0 | 9.9 | 0 | 131.5 | \$527 | |
| Latham | L2084R2 | RR2Y | 2.00 | R | SS+ | 61.6 | 10.2 | 0 | 133.8 | \$524 | |
| Gold Country | 2114 | RR2Y | 2.10 | R | ACi | 61.4 | 9.6 | 0 | 131.5 | \$522 | |
| Titan Pro | TP-20R25 | RR2Y | 2.00 | R | CCB | 61.3 | 9.4 | 0 | 131.0 | \$521 | |
| Viking | 2000R2N | RR2Y | 2.00 | R | PV,IL | 61.3 | 9.4 | 0 | 131.5 | \$521 | |
| Prairie Brand | PB-1956R2 CK | RR2Y | 1.90 | R | CMBV | 65.8 | 9.8 | 0 | 131.5 | \$559 | |
| | | | | | | Averages = | 62.6 | 9.9 | 0 | 131.3 | \$532 |
| | | | | | | LSD (0.10) = | 6.0 | 1.0 | ns | | |
| | | | | | | LSD (0.25) = | 4.2 | 0.7 | ns | | |
| | | | | | | C.V. = | 7.0 | 7.6 | | | |

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 Report Date: 10/10/2015 Revised:

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2015 Soybean - Minnesota South [MNSO]



Full-Season Test Products (45 Total)

| Company/Brand | Product/Brand | Technol. | Mat. | SCN | Seed Trt | Company/Brand | Product/Brand | Technol. | Mat. | SCN | Seed Trt |
|---------------|---------------|----------|------|-----|----------|---------------|---------------|----------|------|-----|----------|
| Asgrow | AG2035 § | RR2Y | 2.00 | R | ACi | | | | | | |
| Asgrow | AG2136 § | RR2Y | 2.10 | R | ACi | | | | | | |
| Channel | 2108R2 | RR2Y | 2.10 | R | ACi | | | | | | |
| Channel | 2309R2 | RR2Y | 2.30 | R | ACi | | | | | | |
| Cornelius | CB20R14 | RR2Y | 2.00 | R | CCB | | | | | | |
| Cornelius | CB20R44 | RR2Y | 2.00 | R | CCB | | | | | | |
| Cornelius | CB22R34 | RR2Y | 2.20 | R | CCB | | | | | | |
| Croplan | R2C2200 | RR2Y | 2.20 | R | None | | | | | | |
| Dairyland | DSR-2110/R2Y | RR2Y | 2.10 | R | CMB | | | | | | |
| Dairyland | DSR-2330/R2Y | RR2Y | 2.30 | R | CMB | | | | | | |
| Dyna-Gro | S20RY45 | RR2Y | 2.00 | R | CCB | | | | | | |
| Dyna-Gro | S20RY94 | RR2Y | 2.00 | R | CCB | | | | | | |
| Dyna-Gro | S21RY56 | RR2Y | 2.10 | R | CCB | | | | | | |
| Gold Country | 2114 | RR2Y | 2.10 | R | ACi | | | | | | |
| Gold Country | 2315 | RR2Y | 2.30 | R | ACi | | | | | | |
| Hefty | H20R3 | RR2Y | 2.00 | MR | DST | | | | | | |
| Hefty | H21R6 | RR2Y | 2.10 | MR | DST | | | | | | |
| Hefty | H24R6 | RR2Y | 2.30 | MR | DST | | | | | | |
| Latham | L2084R2 | RR2Y | 2.00 | R | SS+ | | | | | | |
| Latham | L2128R2 | RR2Y | 2.10 | R | CMB,Ci | | | | | | |
| Latham | L2228R2 | RR2Y | 2.20 | R | CMB,Ci | | | | | | |
| Latham | L2387R2 | RR2Y | 2.30 | R | CMB,Ci | | | | | | |
| LG Seeds | C2020R2 | RR2Y | 2.00 | R | AC,PV | | | | | | |
| NK Brand | S20-T6 § | RR2Y | 2.00 | MR | CCB | | | | | | |
| NK Brand | S21-M7 § | RR2Y | 2.10 | R | CCB | | | | | | |
| Pfister | 21R201 | RR2Y | 2.10 | R | CCB | | | | | | |
| Pioneer | P22T61R § | RR | 2.20 | R | EE,C,Ci | | | | | | |
| Pioneer | P22T69R § | RR | 2.20 | R | EE,C,Ci | | | | | | |
| Prairie Brand | PB-1956R2 CK | RR2Y | 1.90 | R | CMBV | | | | | | |
| Prairie Brand | PB-2024R2 | RR2Y | 2.10 | R | CMBV | | | | | | |
| Prairie Brand | PB-2156R2 | RR2Y | 2.10 | R | CMBV | | | | | | |
| Prairie Brand | PB-2188R2 | RR2Y | 2.10 | R | CMBV | | | | | | |
| Prairie Brand | PB-2296R2 | RR2Y | 2.20 | R | CMBV | | | | | | |
| Renk | RS213NR2 | RR2Y | 2.10 | R | CMB | | | | | | |
| Renk | RS216NR2 | RR2Y | 2.10 | R | None | | | | | | |
| Stine | 20RD20 § | RR2Y | 2.00 | R | Sfi | | | | | | |
| Stine | 20RF23 § | RR2Y | 2.00 | R | Sfi | | | | | | |
| Stine | 22RD00 § | RR2Y | 2.20 | R | Sfi | | | | | | |
| Titan Pro | 20M1 | RR2Y | 2.00 | R | CCB | | | | | | |
| Titan Pro | TP-20R25 | RR2Y | 2.00 | R | CCB | | | | | | |
| Titan Pro | TP-21R55 | RR2Y | 2.10 | R | CCB | | | | | | |
| Viking | 2000R2N | RR2Y | 2.00 | R | PV,IL | | | | | | |
| Viking | 2055R2N | RR2Y | 2.00 | R | CMB | | | | | | |
| Viking | 2282R2N | RR2Y | 2.20 | R | PV,IL | | | | | | |
| Viking | 2301R2N | RR2Y | 2.30 | R | PV,IL | | | | | | |

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. VPMaxx® brand seed is distributed by AgVenture, Inc. XL® brand seed is distributed by Beck's Superior Hybrids. Curry®, G2®, HPT®, RPM®, Supreme EX®, VPMaxx® 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

| | |
|------|---------------------------------|
| LL | LibertyLink® |
| None | Conventional, non-GMO |
| RR | Roundup Ready® Soybeans |
| RR2Y | Genuity® Roundup Ready 2 Yield® |
| ST | Sulfonylurea herbicide tolerant |

Soybean Cyst Nematode (SCN) Resistance Rating

| | |
|----|---------------------|
| S | susceptible |
| MR | moderate resistance |
| R | resistant |
| ? | info unavailable |

Soybean Seed Treatments*

| | | | |
|------|---|------|--|
| ? | Information not provided | En | Encase® |
| AC | Acceleron® fungicide products | G | Gaucho® |
| ACi | Acceleron® fungicide and insecticide products | Gr | Great Start™ Max |
| AV | Avicta® | IL | ILeVO® |
| AVB | Avicta® Complete Beans | IS | Intego™ Suite |
| C | Cruiser® | None | untreated |
| CC | Curry® Coat | PS | MAS ProShield™ QV |
| CCB | Clariva™ Complete Beans | PV | Poncho®/Votivo® |
| CI | Clariva™ pn | Ri | Rizolex™ |
| CMB | CruiserMaxx® Beans | Sfi | Stine fungicide & insecticide products |
| CMBV | CruiserMaxx® Beans with Vibrance | SS+ | Soyshield Plus™ |
| DPHB | DPH Boost® | T | Trilex® |
| DST | Dominance™ ST | TE | Trius Elite |
| Ec | Eclipse™ IM | TT | Turbo Treat™ |
| EE | Evergol™ Energy | WCX | Warden® CX |

* Seed treatments may include unspecified plant health promoting components.