

2016 Soybean Top 30 Harvest Report

South Dakota East Central [SDEC] HOWARD
John Feller, Miner County, SD 57349



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

PREV. CROP/HERB: Corn
SOIL DESCRIPTION: Clarno-Bonilla loam, moderately drained, non-irrigated
SOIL CONDITIONS: Moderate P, high K, 7.4 pH, 4.2 % OM, no SCN
TILLAGE/CULTIVATION: Minimum w/o fall till
PEST MANAGEMENT: Roundup
SEEDED - RATE - ROW: May 24 150,000 /A 30" Spacing
HARVESTED - STAND: Oct 9 125,000 /A

All-Season Test
Maturity Group 1.6 - 2.3
S2016SDEC08

Top 30 of 63
For Gross Income (Sorted by Yield)
Average of (3) Replications

| Company/Brand | Product/Brand† | Technol.† | Mat. | SCN Resist. | Seed Trt.† | Yield Bu/A | Moisture % | Lodging % | Stand (x 1000) | Gross Income |
|---------------|----------------|-----------|------|-------------|------------|-------------|------------|-----------|----------------|--------------|
| Titan Pro | TP-21X46 | RRX | 2.1 | R | None | 70.1 | 13.3 | 1 | 135.0 | \$630 |
| Dyna-Gro | S21XT77 | RRX | 2.1 | R | ACi | 69.6 | 12.5 | 1 | 129.7 | \$626 |
| Hefty | H20X7 | RRX | 2.0 | MR | DST | 68.3 | 13.1 | 1 | 134.6 | \$615 |
| Dairyland | DSR-2017/R2Y | RR2Y | 2.0 | R | CMB | 67.3 | 12.6 | 1 | 104.5 | \$606 |
| Latham | L2084R2 | RR2Y | 2.0 | R | CCB,Me | 66.7 | 13.0 | 1 | 124.9 | \$600 |
| Mustang | 19726 | RR2Y | 1.9 | R | NCFI | 66.5 | 13.0 | 1 | 132.6 | \$599 |
| Stine | 17RH03 § | RR2Y | 1.7 | S | SFI | 66.5 | 12.9 | 1 | 123.9 | \$599 |
| Titan Pro | TP-21R55 | RR2Y | 2.1 | R | IS | 66.3 | 13.5 | 1 | 136.5 | \$596 |
| Mustang | 21X127 | RRX | 2.1 | R | ACi | 66.1 | 12.7 | 1 | 139.4 | \$595 |
| NK Brand | S21-M7 § | RR2Y | 2.1 | R | CCB,Me | 66.0 | 13.3 | 1 | 132.6 | \$594 |
| Pioneer | P22T69R § | RR | 2.2 | R | None | 65.6 | 12.4 | 1 | 116.2 | \$590 |
| Pioneer | P22T41R2 § | RR2Y | 2.2 | R | EE,G | 65.6 | 13.6 | 1 | 133.6 | \$590 |
| Titan Pro | TP-20R25 | RR2Y | 2.0 | R | IS | 65.3 | 13.2 | 1 | 124.9 | \$587 |
| NK Brand | S19-B2 § | RR2Y | 1.9 | R | CCB,Me | 65.0 | 13.2 | 1 | 124.9 | \$585 |
| Titan Pro | TP-17X26 | RRX | 1.7 | R | None | 64.9 | 12.8 | 1 | 122.0 | \$584 |
| NK Brand | S20-T6 § | RR2Y | 2.0 | MR | CCB,Me | 64.2 | 12.3 | 1 | 122.9 | \$578 |
| Prairie Brand | PB-1956R2 | RR2Y | 1.9 | R | CCB,In | 64.2 | 12.9 | 3 | 121.0 | \$578 |
| Hefty | H23X7 | RRX | 2.3 | S | DST | 64.0 | 13.0 | 1 | 122.0 | \$576 |
| Pioneer | P20T79R2 § | RR2Y | 2.0 | R | None | 63.8 | 13.5 | 1 | 129.7 | \$574 |
| Titan Pro | TP-18R24 | RR2Y | 1.8 | R | IS | 63.6 | 13.4 | 1 | 129.7 | \$572 |
| Hefty | H17X7 | RRX | 1.7 | MR | AM | 63.1 | 12.9 | 1 | 122.0 | \$568 |
| Prairie Brand | PB-1947R2 | RR2Y | 1.9 | R | CCB,In | 63.0 | 13.0 | 1 | 105.5 | \$567 |
| Latham | L1673R2 | RR2Y | 1.6 | S | SS+ | 63.1 | 13.2 | 1 | 122.9 | \$568 |
| Dairyland | DSR-2330/R2Y | RR2Y | 2.3 | R | CMB | 62.9 | 13.6 | 1 | 124.9 | \$565 |
| Dairyland | DSR-2110/R2Y | RR2Y | 2.1 | R | CMB | 62.9 | 12.9 | 1 | 122.0 | \$566 |
| Pfister | 21R205 | RR2Y | 2.1 | R | CCB | 62.7 | 13.6 | 1 | 124.9 | \$564 |
| Renk | RS177NX | RRX | 1.8 | R | CMBV | 62.6 | 12.9 | 1 | 118.1 | \$563 |
| Renk | RS207NX | RRX | 2.0 | R | CMBV | 62.5 | 13.0 | 1 | 128.3 | \$563 |
| Asgrow | AG1636 § | RR2Y | 1.6 | R | ACi | 62.6 | 14.4 | 1 | 122.0 | \$562 |
| Thunder | 3619R2YN | RR2Y | 1.9 | R | CMB | 62.5 | 12.8 | 1 | 127.3 | \$563 |

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|--------------|-------------|-------------|----------|--|--------------|
| Averages = | 62.1 | 13.2 | 1 | 125.0 | \$558 |
| LSD (0.10) = | 6.0 | 0.9 | 0 | | |
| LSD (0.25) = | 4.2 | 0.7 | 0 | | |
| C.V. = | 7.2 | | | Prev. years avg. yield, 50.9 bu/a, 8 yrs | |

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.020 Prices = \$9.00 GMO; \$9.00 non-GMO

TEST COMMENTS: *The test was planted late May into good soil conditions. July rainfall was normal and August rainfall was 3.8 inches above the 30-yr average for this location. Plant height was around 36 inches at harvest. Observed some green leaves and green stems on some varieties. This was more prevalent in low areas that may have some brief ponding.*

† 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: 10/10/2016 Revised:

2016 Soybean - South Dakota East Central [SDEC]

All-Season Test Products (63 Total)

| Company/Brand | Product/Brand | Technol. | Mat. | SCN | Seed Trt | Company/Brand | Product/Brand | Technol. | Mat. | SCN | Seed Trt |
|---------------|---------------|----------|------|-----|----------|---------------|---------------|----------|------|-----|----------|
| Asgrow | AG1636 § | RR2Y | 1.6 | R | ACi | REA | R1815 | RR2Y | 1.8 | R | ACi |
| Asgrow | AG1935 § | RR2Y | 1.9 | R | ACi | REA | R2115 | RR2Y | 2.1 | R | ACi |
| Asgrow | AG2035 § | RR2Y | 2.0 | R | ACi | Renk | RS175NR2 | RR2Y | 1.7 | R | CMBV |
| Channel | 1808R2 GC | RR2Y | 1.8 | R | None | Renk | RS177NX | RRX | 1.8 | R | CMBV |
| Channel | 2108R2 | RR2Y | 2.1 | R | None | Renk | RS187NR2 | RR2Y | 1.8 | R | CMB |
| Dairyland | DSR-1870/R2Y | RR2Y | 1.8 | R | CMB | Renk | RS207NX | RRX | 2.0 | R | CMBV |
| Dairyland | DSR-2017/R2Y | RR2Y | 2.0 | R | CMB | Stine | 17RH03 § | RR2Y | 1.7 | S | SFI |
| Dairyland | DSR-2110/R2Y | RR2Y | 2.1 | R | CMB | Stine | 19RF32 § | RR2Y | 1.9 | R | SFI |
| Dairyland | DSR-2330/R2Y | RR2Y | 2.3 | R | CMB | Stine | 20RD20 § | RR2Y | 2.0 | R | SFI |
| Dyna-Gro | S19RY65 | RR2Y | 1.9 | R | CCB | Thunder | 3619R2YN | RR2Y | 1.9 | R | CMB |
| Dyna-Gro | S21XT77 | RRX | 2.1 | R | ACi | Titan Pro | TP-16X36 | RRX | 1.6 | R | None |
| Hefty | H16X7 | RRX | 1.6 | MR | DST | Titan Pro | TP-17X26 | RRX | 1.7 | R | None |
| Hefty | H17X7 | RRX | 1.7 | MR | AM | Titan Pro | TP-18R24 | RR2Y | 1.8 | R | IS |
| Hefty | H18X7 | RRX | 1.8 | MR | DST | Titan Pro | TP-19X06 | RRX | 1.9 | R | IS |
| Hefty | H20X7 | RRX | 2.0 | MR | DST | Titan Pro | TP-20R25 | RR2Y | 2.0 | R | IS |
| Hefty | H21X6 | RRX | 2.1 | MR | DST | Titan Pro | TP-21R55 | RR2Y | 2.1 | R | IS |
| Hefty | H23X7 | RRX | 2.3 | S | DST | Titan Pro | TP-21X46 | RRX | 2.1 | R | None |
| Latham | L1673R2 | RR2Y | 1.6 | S | SS+ | Titan Pro | TP-23X76 | RRX | 2.3 | R | IS |
| Latham | L1759R2X | RRX | 1.7 | R | CCB,Me | | | | | | |
| Latham | L1858R2 | RR2Y | 1.8 | R | CCB,Me | | | | | | |
| Latham | L1968R2 | RR2Y | 1.9 | R | CCB,Me | | | | | | |
| Latham | L2048R2X | RRX | 2.0 | R | SS+ | | | | | | |
| Latham | L2084R2 | RR2Y | 2.0 | R | CCB,Me | | | | | | |
| Latham | L2128R2 | RR2Y | 2.1 | R | CCB,Me | | | | | | |
| Latham | L2184R2X | RRX | 2.1 | R | SS | | | | | | |
| Mustang | 16846 | RR2Y | 1.6 | S | NCFI | | | | | | |
| Mustang | 17X726 | RRX | 1.7 | R | ACi | | | | | | |
| Mustang | 19726 | RR2Y | 1.9 | R | NCFI | | | | | | |
| Mustang | 21X127 | RRX | 2.1 | R | ACi | | | | | | |
| NK Brand | S19-B2 § | RR2Y | 1.9 | R | CCB,Me | | | | | | |
| NK Brand | S20-T6 § | RR2Y | 2.0 | MR | CCB,Me | | | | | | |
| NK Brand | S21-M7 § | RR2Y | 2.1 | R | CCB,Me | | | | | | |
| Pfister | 18R201 | RR2Y | 1.8 | R | CCB | | | | | | |
| Pfister | 19R24 | RR2Y | 1.9 | R | CCB | | | | | | |
| Pfister | 21R205 | RR2Y | 2.1 | R | CCB | | | | | | |
| Pioneer | P20T79R2 § | RR2Y | 2.0 | R | None | | | | | | |
| Pioneer | P22T41R2 § | RR2Y | 2.2 | R | EE,G | | | | | | |
| Pioneer | P22T69R § | RR | 2.2 | R | None | | | | | | |
| Pioneer | P22T73R § | RR | 2.2 | R | EE,G | | | | | | |
| Prairie Brand | PB-1787R2 | RR2Y | 1.7 | R | CCB,In | | | | | | |
| Prairie Brand | PB-1822R2 | RR2Y | 1.8 | R | CCB,In | | | | | | |
| Prairie Brand | PB-1947R2 | RR2Y | 1.9 | R | CCB,In | | | | | | |
| Prairie Brand | PB-1956R2 | RR2Y | 1.9 | R | CCB,In | | | | | | |
| Prairie Brand | PB-2156R2 | RR2Y | 2.1 | R | CCB,In | | | | | | |
| Proseed | XT614 GC | RRX | 1.4 | R | CMBV | | | | | | |

Footnotes and Abbreviation Descriptions

Brand Footnotes

| | |
|----|--|
| ^ | G2® brand seed is distributed by NuTech Seed, LLC. RPM® brand seed is distributed by Doeblers PA Hybrids, Inc. Supreme EX® brand seed is distributed by Seed Consultants, Inc. VPMmax® brand seed is distributed by AgVenture, Inc. XL® brand seed is distributed by Beck's Superior Hybrids. Curry®, G2®, HPT®, RPM®, Supreme EX®, VPMmax® 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 |
| P | Plenish® |
| RR | glyphosate tolerant |
| RR2Y | Genuity® Roundup Ready 2 Yield® |
| RRX | Genuity® Roundup Ready 2 Xtend® |
| ST | sulfonylurea tolerant |

Soybean Cyst Nematode (SCN) Resistance Rating

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

Soybean Seed Treatments*

| | | | |
|------|---|------|----------------------------------|
| n/a | info unavailable | IL | ILeVO® |
| AC | Acceleron® fungicide products | In | Intego™ Solo |
| ACi | Acceleron® fungicide and insecticide products | IS | Intego™ Suite |
| AG | ArmourGuard™ | MAG | Maximum ArmourGuard™ |
| AM | ApronMaxx® | Me | Mertect® |
| AVB | Avicta® Complete Beans | Mg | Magnum ST™ (standard) |
| CCB | Clariva™ Complete Beans | NCFI | N-Compass™ Plus F/I |
| CI | Clariva™ pn | None | untreated |
| CMB | CruiserMaxx® Beans | PV | Poncho®/Votivo® |
| CMBV | CruiserMaxx® Beans with Vibrance | SDPI | Servo™ DPI |
| DPHB | DPH Boost® | SFI | Stine XP fungicide & insecticide |
| DST | Dominance™ ST | SS | Soyshield™ |
| DX | Defend™ Extra | SS+ | Soyshield Plus™ |
| EE | Evergol™ Energy | SStd | SureStand™ |
| En | Encase® | TE | Trius™ Elite |
| G | Gaucho® | WCX | Warden® CX |
| Gr+ | Great Start™ Max Plus | | |

* Seed treatments may include unspecified plant health promoting components.