2013 Soybean Top 30 Harvest Report

Iowa Northwest [IANW] SIOUX CENTER Mike Schouten, Dordt College, Sioux County, IA 51250



Early-Season Test

2.1 - 2.4 Day CRM

S2013IANW27a

Top 30 of 45

Oat / 2,4-D PREV. CROP/HERB:

SOIL DESCRIPTION: Galva silty clay loam, well drained, non-irrigated

High P, high K, 5.9 pH, 4% OM, SOIL CONDITIONS:

Minimum w/o fall till TILLAGE/CULTIVATION:

PEST MANAGEMENT: Framework, Glyphosate, Zidua

SEEDED - RATE - ROW: May 23 155,000 /A 15" Spacing Sorted for YIELD

Average of (3) Replications HARVESTED - STAND: Oct 10 128.000 /A

| HARVESTED - STAND: | Oct 10 128,0 | 00 /A | | | | | | Averaç | ge of (3) R | replications |
|-----------------------|-----------------------|---------------|------|------------|------------|------------|---------------|---------|-------------|--------------|
| | | | | SCN | Seed | Yield | Moisture | Lodging | Stand | Gross |
| Company/Brand | Product/Brand† | Technol.† | Mat. | Resist. | Trmt.† | ◆ Bu/A | % | % | (x 1000) | Income |
| Kruger | K2-2402 | RR2Y | 2.4 | R | ACi | 66.4 | 11.4 | 0 | 143.3 | \$843 |
| Great Lakes | GL2319R2 | RR2Y | 2.3 | R | AC,PV | 65.9 | 11.3 | 0 | 116.2 | \$837 |
| Channel | 2105R2 | RR2Y | 2.1 | MR | ACi | 65.9 | 11.6 | 0 | 123.9 | \$837 |
| Pioneer | 92Y22 § | RR | 2.2 | R | None | 65.5 | 10.7 | 0 | 166.5 | \$832 |
| Federal | F224NRR2Y | RR2Y | 2.2 | R | ACi | 65.0 | 11.1 | 0 | 104.5 | \$826 |
| Prairie Brand | PB-2230R2 | RR2Y | 2.1 | R | CMBV | 65.0 | 11.3 | 0 | 127.7 | \$826 |
| Stine | 22RD00 § | RR2Y | 2.2 | MR | CMB | 64.7 | 11.0 | 0 | 154.9 | \$822 |
| Channel | 2207R2 | RR2Y | 2.2 | R | ACi | 64.4 | 11.2 | 0 | 147.1 | \$818 |
| Hefty | H21Y11 | RR2Y | 2.1 | MR | I | 64.2 | 11.4 | 0 | 116.2 | \$815 |
| LG Seeds | C2222R2 | RR2Y | 2.2 | R | AC,PV | 63.9 | 10.9 | 0 | 100.6 | \$812 |
| Dairyland | DSR-2250/R2Y | RR2Y | 2.2 | MR | CMB,O | 63.9 | 11.1 | 0 | 120.0 | \$812 |
| Asgrow | AG2232 § | RR2Y | 2.2 | R | ACi | 63.9 | 11.7 | 0 | 116.2 | \$812 |
| Pfister | 22R20 | RR2Y | 2.2 | R | None | 63.1 | 11.1 | 0 | 120.0 | \$801 |
| Champion | 23R73N | RR2Y | 2.3 | R | CMBV | 62.9 | 11.6 | 0 | 143.3 | \$799 |
| Champion | 21R34N | RR2Y | 2.1 | R | CMBV | 62.8 | 11.3 | 0 | 127.8 | \$798 |
| SOI | 2208NRR2Y | RR2Y | 2.2 | R | None | 62.6 | 11.2 | 0 | 120.1 | \$795 |
| Great Lakes | GL2289R2 | RR2Y | 2.2 | R | AC,PV | 61.9 | 11.1 | 0 | 127.8 | \$786 |
| Renk | RS241R2 | RR2Y | 2.4 | S | CMB,O | 61.6 | 11.0 | 0 | 135.5 | \$782 |
| Asgrow | AG2433 § | RR2Y | 2.4 | MR | AC | 61.1 | 11.3 | 0 | 112.3 | \$776 |
| Titan Pro | 23M9 | RR2Y | 2.3 | S | CMBV | 61.0 | 10.9 | 0 | 104.5 | \$775 |
| Pfister | 24R29 | RR2Y | 2.4 | R | CMB | 61.0 | 11.4 | 0 | 123.9 | \$775 |
| Kruger | K2-2301 | RR2Y | 2.3 | S | ACi | 60.8 | 11.0 | 0 | 108.4 | \$772 |
| Channel | 2402R2 | RR2Y | 2.4 | S | ACi | 60.7 | 11.1 | 0 | 154.9 | \$771 |
| Dairyland | DSR-2411/R2Y | RR2Y | 2.4 | S | CMB,O | 60.6 | 10.8 | 0 | 120.1 | \$770 |
| Prairie Brand | PB-2419RR2 | RR2Y | 2.3 | S | CMBV | 60.5 | 11.1 | 0 | 120.1 | \$768 |
| SOI | 2430RR2Y | RR2Y | 2.4 | S | CMB | 60.4 | 10.9 | 0 | 112.3 | \$767 |
| NuTech/G2 Gen | 7240^ | RR | 2.4 | R | SCE | 60.1 | 11.4 | 0 | 170.4 | \$763 |
| Dairyland | DSR-2340/R2Y | RR2Y | 2.3 | MR | CMB,O | 60.0 | 11.7 | 0 | 123.9 | \$762 |
| Titan Pro | 22M12 | RR2Y | 2.2 | R | CMBV | 59.9 | 11.3 | 0 | 120.0 | \$761 |
| Prairie Brand | PB-2351R2 | RR2Y | 2.3 | R | CMBV | 59.7 | 11.5 | 0 | 170.4 | \$758 |
| Latham | L2483R2 CK | RR2Y | 2.4 | R | SS+ | 57.8 | 11.5 | 0 | 123.9 | \$734 |
| 07 | 0 | | | Test | Average = | 60.9 | 11.3 | 0 | 128.0 | \$773 |
| Corey Majer | Noon | | | LS | SD(0.10) = | 4.9 | 0.3 | ns | | |
| corey.rozenboom@ | firstseedtests.com, (| 319) 830-8886 | | | C.V. = | 6.0 | 1.7 | | | |
| Violal O Income Footo | | , | | Ob wise la | | Don don or | #0.000 | Deles | \$12.70 | Local GMO |

Shrink = 1.3Yield & Income Factors Base Moisture = 13.0% Drying = \$0.020Price = Non-GMO

TEST COMMENTS: Wet spring weather pushed back the planting date of this bean test at the Dordt College farm. Early season showers continued following planting and saturated soils into June. Hot and dry conditions followed for most of July but timely August rains helped fill pods and increase seed size. Plants were clean and healthy all season long revealing only a small presence of Cercospora in July.

Additional reports and searchable database available at www.firstseedtests.com

Revised:

Report date: 10/11/2013

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[†] See last page for additional information. Results in **bold** are significantly above the test average. **CK** = check and **GC** = grower comparison products, \S = United Soybean Board entry; ns = not significantly different.

2013 Soybean Top 30 Harvest Report

Iowa Northwest [IANW] SIOUX CENTER
Mike Schouten, Dordt College, Sioux County, IA 51250



Full-Season Test

2.5 - 2.8 Day CRM S2013IANW27b

Top 30 of 45

PREV. CROP/HERB: Oat / 2,4-D

SOIL DESCRIPTION: Galva silty clay loam, well drained, non-irrigated

SOIL CONDITIONS: High P, high K, 5.9 pH, 4% OM,

TILLAGE/CULTIVATION: Minimum w/o fall till

PEST MANAGEMENT: Framework, Glyphosate, Zidua

SEEDED - RATE - ROW: May 23 155,000 /A 15" Spacing Sorted for YIELD

HARVESTED - STAND: 135,700 /A Oct 10 Average of (3) Replications Moisture Lodging SCN Seed Yield Stand Gross (x 1000)Company/Brand Product/Brand† Mat Resist. Trmt.† Bu/A % % Income Technol.† 11.9 Kruger K2-2602 RR2Y 2.6 MR ACi 59.6 0 135.5 \$757 Latham L2648R2 RR2Y 2.6 R SS+ 59.2 12.5 0 139.4 \$752 R SCE 59.0 0 NuTech/G2 Gen 7261^ RR 2.6 12.3 139.4 \$749 Latham L2585R2 RR2Y 2.5 R SS+ 58.8 12.5 0 151.0 \$747 Curry 1277 RR 2.7 R ? 57.6 12.2 0 131.6 \$732 R Federal F263NRR2Y RR2Y 2.6 ACi 57.2 12.2 0 131.7 \$726 RR2Y 2.7 MR 56.4 0 Hefty H27R3 11.7 116.2 \$716 **NK Brand** S28-U7 § RR2Y 2.8 S **CMBV** 55.9 12.3 0 116.2 \$710 Pioneer 0 \$706 92Y51 § RR 2.5 R None 55.6 11.7 139.4 RR2Y R 55.3 12.1 0 147.1 Stine 28RE20 2.8 None \$702 Dyna-Gro S25RY44 RR2Y 2.5 R ACi 55.0 12.1 0 131.7 \$699 Titan Pro 27M32 RR2Y 2.7 R **CMBV** 54.3 12.2 0 127.8 \$690 NuTech/G2 Gen 7273^ RR 2.7 R SCE 54.1 12.8 0 112.3 \$687 26RD02 § RR2Y 2.6 R **CMB** 54.0 12.2 0 120.0 \$686 Stine Prairie Brand PB-2668R2 RR2Y 2.6 R **CMBV** 53.8 11.8 0 174 2 \$683 R Asgrow AG2534 RR2Y 2.5 **ACi** 53.7 12.3 0 131.7 \$682 Dyna-Gro S27RY03 RR2Y 2.7 R ACi 53.5 11.7 0 131.6 \$679 S RR2Y 2.5 **ACi** 53.5 0 \$679 Dyna-Gro 39RY25 11.7 131.6 R **CMBV** 53.3 0 131.7 \$677 Champion 27R84N RR2Y 2.7 12.1 LG Seeds C2672R2 RR2Y 2.6 R AC,PV 53.2 12.3 0 131.6 \$676 Channel RR2Y 2.7 MR ACi 53.1 0 \$674 2706R2 11.3 135.5 MR T 12.0 0 Hefty H26R3 RR2Y 2.6 53.0 135.5 \$673 SOI 2520SRR2Y RR2Y 2.5 S None 52.9 12.1 0 112.3 \$672 K2-2503 RR2Y 2.5 R ACi 52.7 12.1 0 120.0 \$669 Kruger 1252 RR 2.5 R 52.4 12.2 0 \$665 Curry 143.3 **NK Brand** S25-E5 § RR2Y 2.5 R **CMBV** 52.1 11.9 0 154.9 \$662 7250^ R SCE NuTech/G2 Gen RR 2.5 51.7 12.2 0 135.5 \$657 R Renk RS283NR2 RR2Y 2.8 None 51.3 12.0 0 166.5 \$652 R Kruger K2-2704 RR2Y 2.7 **ACi** 51.3 12.6 0 120.0 \$652 Hefty H26R3S RR2Y 2.6 S 51.1 12.2 0 166.5 \$649 Latham L2483R2 CK RR2Y 2.4 SS+ 55.8 R 11.9 139.4 \$709 Test Average 52.7 12.3 0 135.7 \$669 1 (ajenhoon LSD(0.10) =5.2 0.3 ns

Yield & Income Factors Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.020 Price = $\frac{\$12.70}{\text{n/a}}$ Local GMO Non-GMO

C.V.

7.3

2.1

TEST COMMENTS: Wet spring weather pushed back the planting date of this bean test at the Dordt College farm. Early season showers continued following planting and saturated soils into June. Hot and dry conditions followed for most of July but timely August rains helped fill pods and increase seed size. Plants were clean and healthy all season long revealing only a small presence of Cercospora in July.

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corey.rozenboom@firstseedtests.com, (319) 830-8886

Report date: 10/11/2013 Revised:

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[†] See last page for additional information. Results in **bold** are significantly above the test average. **CK** = check and **GC** = grower comparison products, § = United Soybean Board entry; **ns** = not significantly different.



Early-Season Test Products (45 Total)

| Company/Branc | d Product/Brand | Technol. | Mat. | SCN | Seed Trt |
|---------------|-----------------|----------|------|-----|----------|
| Asgrow | AG2232 § | RR2Y | 2.2 | R | ACi |
| Asgrow | AG2433 § | RR2Y | 2.4 | MR | AC |
| Champion | 21R34N | RR2Y | 2.1 | R | CMBV |
| Champion | 23R73N | RR2Y | 2.3 | R | CMBV |
| Champion | 24R74N | RR2Y | 2.4 | R | CMBV |
| Channel | 2105R2 | RR2Y | 2.1 | MR | ACi |
| Channel | 2207R2 | RR2Y | 2.2 | R | ACi |
| Channel | 2306R2 | RR2Y | 2.3 | R | ACi |
| Channel | 2402R2 | RR2Y | 2.4 | S | ACi |
| Croplan | R2C2200 | RR2Y | 2.1 | R | None |
| Dairyland | DSR-2250/R2Y | RR2Y | 2.1 | MR | CMB,O |
| • | | | | | |
| Dairyland | DSR-2340/R2Y | RR2Y | 2.3 | MR | CMB,O |
| Dairyland | DSR-2411/R2Y | RR2Y | 2.4 | S | CMB,O |
| Federal | F224NRR2Y | RR2Y | 2.2 | R | ACi |
| Great Lakes | GL2289R2 | RR2Y | 2.2 | R | AC,PV |
| Great Lakes | GL2319R2 | RR2Y | 2.3 | R | AC,PV |
| Hefty | H21Y11 | RR2Y | 2.1 | MR | I |
| Hefty | H23R3 | RR2Y | 2.3 | MR | 1 |
| Kruger | K2-2201 | RR2Y | 2.2 | R | ACi |
| Kruger | K2-2301 | RR2Y | 2.3 | S | ACi |
| Kruger | K2-2303 | RR2Y | 2.3 | MR | ACi |
| Kruger | K2-2402 | RR2Y | 2.4 | R | ACi |
| Latham | L2483R2 CK | RR2Y | 2.4 | R | SS+ |
| LG Seeds | C2222R2 | RR2Y | 2.2 | R | AC,PV |
| NK Brand | S22-F8 | RR2Y | 2.2 | S | CMBV |
| NK Brand | S24-K2 § | RR2Y | 2.4 | S | CMBV |
| NuTech/G2 Gen | | RR | 2.1 | R | SCE |
| NuTech/G2 Gen | | RR | 2.4 | R | SCE |
| Pfister | 22R20 | RR2Y | 2.2 | R | None |
| Pfister | 24R29 | RR2Y | 2.4 | R | CMB |
| Pioneer | 92Y22 § | RR | 2.4 | R | None |
| Prairie Brand | PB-2230R2 | RR2Y | 2.2 | R | CMBV |
| | | | | | |
| Prairie Brand | PB-2351R2 | RR2Y | 2.3 | R | CMBV |
| Prairie Brand | PB-2419RR2 | RR2Y | 2.3 | S | CMBV |
| Renk | RS224NR2 | RR2Y | 2.2 | R | None |
| Renk | RS241R2 | RR2Y | 2.4 | S | CMB,O |
| Renk | RS244NR2 | RR2Y | 2.4 | R | None |
| SOI | 2208NRR2Y | RR2Y | 2.2 | R | None |
| SOI | 2430RR2Y | RR2Y | 2.4 | S | CMB |
| Stine | 22RD00 § | RR2Y | 2.2 | MR | CMB |
| Stine | 24RD03 § | RR2Y | 2.4 | MR | CMB |
| Titan Pro | 22M12 | RR2Y | 2.2 | R | CMBV |
| Titan Pro | 23M9 | RR2Y | 2.3 | S | CMBV |
| Titan Pro | TP-21R63 | RR2Y | 2.1 | MR | |
| Titan Pro | TP-22R13 | RR2Y | 2.2 | R | CMBV |



Full-Season Test Products (45 Total)

| Company/Branc | d Product/Brand | Technol. | Mat. | SCN | Seed Trt | Company/Brand Product/Bran | nd Technol. | Mat. SCN Seed |
|---------------|-----------------|----------|------|-----|-----------|----------------------------|-------------|---------------|
| Asgrow | AG2534 | RR2Y | 2.5 | R | ACi | · · · | | |
| Asgrow | AG2733 § | RR2Y | 2.7 | R | ACi | | | |
| Champion | 27R84N | RR2Y | 2.7 | R | CMBV | | | |
| Channel | 2605R2 | RR2Y | 2.6 | R | ACi | | | |
| Channel | 2706R2 | RR2Y | 2.7 | MR | ACi | | | |
| Curry | 1252 | RR | 2.5 | R | ? | | | |
| Curry | 1277 | RR | 2.7 | R | ? | | | |
| Dyna-Gro | 39RY25 | RR2Y | 2.5 | S | ACi | | | |
| Dyna-Gro | S25RY44 | RR2Y | 2.5 | R | ACi | | | |
| Dyna-Gro | S27RY03 | RR2Y | 2.7 | R | ACi | | | |
| Federal | F263NRR2Y | RR2Y | 2.6 | R | ACi | | | |
| Federal | F284NRR2Y | RR2Y | 2.8 | R | ACi | | | |
| Great Lakes | GL2829R2 | RR2Y | 2.8 | R | AC,PV | | | |
| Hefty | H25Y12 | RR2Y | 2.5 | MR | | | | |
| Hefty | H26R3 | RR2Y | 2.6 | MR | | | | |
| Hefty | H26R3S | RR2Y | 2.6 | | <u></u> - | | | |
| Hefty | H27R3 | RR2Y | 2.7 | | İ | | | |
| Kruger | K2-2503 | RR2Y | 2.5 | R | ACi | | | |
| Kruger | K2-2602 | RR2Y | 2.6 | | ACi | - | | |
| Kruger | K2-2704 | RR2Y | 2.7 | R | ACi | | | |
| Kruger | K2-2803 | RR2Y | 2.8 | R | ACi | | | |
| Latham | L2483R2 CK | RR2Y | 2.4 | R | SS+ | - | | |
| Latham | L2585R2 | RR2Y | 2.5 | R | SS+ | | | |
| Latham | L2648R2 | RR2Y | 2.6 | R | SS+ | | | |
| LG Seeds | C2672R2 | RR2Y | 2.6 | R | AC,PV | - | | |
| LG Seeds | C2835R2 | RR2Y | 2.8 | R | AC,PV | | | |
| NK Brand | S25-E5 § | RR2Y | 2.5 | R | CMBV | | | |
| NK Brand | S28-U7 § | RR2Y | 2.8 | S | CMBV | - | | |
| NuTech/G2 Gen | = | RR | 2.5 | R | SCE | | | |
| NuTech/G2 Gen | | RR | 2.6 | R | SCE | | | |
| NuTech/G2 Gen | | RR | 2.7 | R | SCE | - | | |
| NuTech/G2 Gen | | RR | 2.8 | R | SCE | | | |
| Pfister | 28R21 | RR2Y | 2.8 | R | CMB | | | |
| Pioneer | 92Y51 § | RR | 2.5 | R | None | | | |
| Pioneer | P28T33R § | RR | 2.8 | R | EE,G | | | |
| Prairie Brand | PB-2506R2 | RR2Y | 2.5 | R | CMBV | | | |
| Prairie Brand | PB-2544R2 | RR2Y | 2.6 | MR | CMBV | - | | |
| Prairie Brand | PB-2650R2 | RR2Y | 2.6 | S | CMBV | | | |
| Prairie Brand | PB-2668R2 | RR2Y | 2.6 | R | CMBV | | | |
| Prairie Brand | PB-2997R2 | RR2Y | 2.8 | R | CMBV | - | | |
| Renk | RS283NR2 | RR2Y | 2.8 | R | None | | | |
| SOI | 2520SRR2Y | RR2Y | 2.5 | S | None | | | |
| Stine | 26RD02 § | RR2Y | 2.6 | R | CMB | | | |
| Stine | 28RE20 | RR2Y | 2.8 | R | None | | | |
| Titan Pro | 27M32 | RR2Y | 2.0 | R | CMBV | | | |
| TRAITEIU | Z / IVIJZ | INNZ I | ۷.1 | П | CINIDA | | | |



Footnotes and Abbreviation Descriptions

Brand Footnotes

| ^ | G2® brand seed is distributed by NuTech Seed, LLC. HPT® brand seed is distributed by Hoegemeyer Hybrids, Inc. 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® and Phoenix® 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 | Indentifies a check product included in early- and full-season tests. |
| GC | Grower Comparison product included by F.I.R.S.T. when space permits. |
| § | United Soybean Board sponsored entry |

Soybean Technologies

| , | , noun : 00 mon og 00 | | | | |
|------|---------------------------------------|--|--|--|--|
| None | Conventional, non-GMO | | | | |
| LL | LibertyLink® | | | | |
| RR | Roundup Ready® Soybeans | | | | |
| RR2Y | Genuity® Roundup Ready 2 Yield® | | | | |
| STS | STS® - sulfonylurea tolerant soybeans | | | | |

Soybean Cyst Nematode (SCN) Resistance Rating

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

Soybean Seed Treatments*

| ? | Information not provided | Ex | Excalibre™ |
|------|---|------|------------------------------|
| Α | Allegience® | G | Gaucho® |
| AC | Acceleron® fungicide products | 1 | Inovate™ System |
| ACi | Acceleron® fungicide and insecticide products | None | untreated |
| AM | ApronMaxx® | 0 | Optimize® |
| AP | Apron XL® | PV | Poncho®/Votivo® |
| AVB | Avicta® Complete Beans | RS | Right Stand™ |
| С | Cruiser® | SCE | SmartCote [™] Extra |
| CC | CurryCoat™ | SDPI | Servo DPI |
| CMB | CruiserMaxx® Beans | SS+ | Soyshield Plus™ |
| CMBV | CruiserMaxx® Beans with Vibrance | SStd | SureStand™ |
| DPHB | DPH Boost™ | Т | Trilex® |
| EE | Evergol™ Energy | | |

^{*} Seed treatments may include unspecified plant health promoting components.