

2015 Soybean Top 30 Harvest Report
 Pennsylvania Southeast [PASE] STATE COLLEGE
 Carl Gates, Centre County, PA 16877



PREV. CROP/HERB: Corn / Lumax
 SOIL DESCRIPTION: Morrison sandy loam, moderately drained, non-irrigated
 SOIL CONDITIONS: Moderate P, moderate K, 5.5 pH, 3.5 % OM
 TILLAGE/CULTIVATION: No-till
 PEST MANAGEMENT: glyphosate, Envive
 SEEDED - RATE - ROW: May 23 145,000 /A 30" Spacing
 HARVESTED - STAND: Nov 21 104,100 /A

All-Season Test
2.8 - 3.8 Day RM
 S2015PASE05

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 |
|---------------|-----------------|-----------|------|-------------|-------------|-------------|------------|-----------|----------------|--------------|
| Channel | 3509R2 | RR2Y | 3.50 | MR | ACi | 56.3 | 14.2 | 3 | 106.5 | \$455 |
| NK Brand | S35-C3 § | RR2Y | 3.50 | R | CMBV | 56.0 | 14.3 | 1 | 108.4 | \$452 |
| Hubner | H32-13R2 | RR2Y | 3.20 | MR | ACi | 54.8 | 14.1 | 3 | 108.4 | \$443 |
| TA Seeds | TS3759R2 | RR2Y | 3.70 | R | TE,AV | 54.3 | 14.4 | 2 | 104.5 | \$438 |
| TA Seeds | TS3169R2 | RR2Y | 3.10 | MR | TE,AV | 53.5 | 14.6 | 1 | 104.5 | \$432 |
| NK Brand | S37-Z8 § | RR2Y | 3.70 | R | CCB | 52.0 | 14.7 | 1 | 106.5 | \$419 |
| Hubner | H35-16R2 | RR2Y | 3.50 | R | ACi | 51.9 | 14.4 | 2 | 104.5 | \$419 |
| Seedway | SG3963 GC | RR2Y | 3.90 | R | CMBV | 51.4 | 14.1 | 1 | 108.4 | \$415 |
| Chemgro | C3346R2 | RR2Y | 3.30 | R | En | 51.4 | 14.2 | 2 | 102.6 | \$415 |
| Mycogen | 5N387R2 | RR2Y | 3.80 | R | CCB | 50.8 | 14.3 | 2 | 104.5 | \$410 |
| Steyer | 3408R2 | RR2Y | 3.40 | MR | CMBV | 50.7 | 14.5 | 2 | 106.5 | \$409 |
| Mycogen | 5N385R2 | RR2Y | 3.80 | R | CCB | 50.4 | 14.6 | 1 | 102.6 | \$407 |
| Dyna-Gro | S33RY76 | RR2Y | 3.30 | R | CCB | 50.2 | 14.5 | 1 | 108.4 | \$405 |
| Mid-Atlantic | MAS3415NRR2 | RR2Y | 3.40 | R | PS | 50.2 | 14.2 | 4 | 106.5 | \$405 |
| Mid-Atlantic | MAS3815NRR2 | RR2Y | 3.80 | R | PS | 50.1 | 14.1 | 1 | 102.6 | \$405 |
| Pioneer | P33T72R § | RR | 3.30 | R | EE,C,CI | 50.1 | 13.6 | 3 | 102.6 | \$405 |
| Asgrow | AG3832 § | RR2Y | 3.80 | R | ACi | 50.0 | 13.9 | 1 | 106.5 | \$404 |
| Hubner | H37-14R2/STS | RR2Y,ST | 3.70 | MR | ACi | 49.9 | 13.8 | 1 | 106.5 | \$403 |
| Mid-Atlantic | MAS3889NRR2/STS | RR2Y,ST | 3.80 | R | PS | 49.9 | 14.3 | 3 | 102.6 | \$403 |
| Channel | 3009R2 | RR2Y | 3.00 | R | ACi | 49.7 | 14.5 | 1 | 106.5 | \$401 |
| Hubner | H30-16R2 | RR2Y | 3.00 | R | ACi | 49.6 | 14.5 | 1 | 108.4 | \$400 |
| Asgrow | AG3536 § | RR2Y | 3.50 | R | ACi | 49.6 | 14.6 | 3 | 100.7 | \$400 |
| Mycogen | 5N342R2 | RR2Y | 3.40 | R | CCB | 49.1 | 14.8 | 1 | 104.5 | \$396 |
| Pioneer | P35T58R § | RR | 3.50 | R | EE,C,CI | 48.2 | 14.5 | 2 | 100.7 | \$389 |
| Mycogen | 5N343R2 | RR2Y | 3.40 | R | CCB | 48.2 | 16.6 | 1 | 100.7 | \$387 |
| Seedway | SG3644 GC | RR2Y,ST | 3.60 | R | CMBV | 48.1 | 14.4 | 2 | 100.7 | \$388 |
| Mycogen | 5N312R2 | RR2Y | 3.10 | R | CCB | 47.4 | 14.2 | 1 | 102.6 | \$383 |
| Chemgro | C3649R2S | RR2Y,ST | 3.60 | R | None | 47.3 | 14.7 | 2 | 104.5 | \$382 |
| Doebler | RPM DB3016R^ | RR | 3.00 | R | DPHB | 47.2 | 14.0 | 1 | 106.5 | \$381 |
| Steyer | 3301R2 | RR2Y | 3.30 | MR | CMBV | 47.1 | 14.5 | 2 | 102.6 | \$380 |

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|--------------|-------------|-------------|----------|--------------|--------------|
| Averages = | 48.5 | 14.4 | 2 | 104.1 | \$392 |
| LSD (0.10) = | 5.3 | 0.9 | ns | | |
| LSD (0.25) = | 3.7 | 0.6 | 1 | | |
| C.V. = | 8.1 | 4.7 | | | |

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.020 Prices = \$8.10 GMO; \$8.10 non-GMO

TEST COMMENTS: *Planting conditions were good, temperatures were cool but soil moisture was good and emergence was excellent. Rainfall for the most of the summer was above average except for August when the soybeans needed it. Yields were lowered and the top-end yields never reached their potential.*

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

2015 Soybean - Pennsylvania Southeast [PASE]

All-Season Test Products (45 Total)

| Company/Brand | Product/Brand | Technol. | Mat. | SCN | Seed Trt | Company/Brand | Product/Brand | Technol. | Mat. | SCN | Seed Trt |
|---------------|-----------------|----------|------|-----|----------|---------------|---------------|----------|------|-----|----------|
| Asgrow | AG2836 § | RR2Y | 2.80 | R | ACi | | | | | | |
| Asgrow | AG3536 § | RR2Y | 3.50 | R | ACi | | | | | | |
| Asgrow | AG3832 § | RR2Y | 3.80 | R | ACi | | | | | | |
| Channel | 3009R2 | RR2Y | 3.00 | R | ACi | | | | | | |
| Channel | 3408R2 | RR2Y | 3.40 | R | ACi | | | | | | |
| Channel | 3509R2 | RR2Y | 3.50 | MR | ACi | | | | | | |
| Channel | 3707R2/SR | RR2Y,ST | 3.70 | MR | ACi | | | | | | |
| Chemgro | C3346R2 | RR2Y | 3.30 | R | En | | | | | | |
| Chemgro | C3649R2S | RR2Y,ST | 3.60 | R | None | | | | | | |
| Doebblers | RPM DB3016R^ | RR | 3.00 | R | DPHB | | | | | | |
| Doebblers | RPM DB3516R^ | RR | 3.50 | R | DPHB | | | | | | |
| Dyna-Gro | S33RY76 | RR2Y | 3.30 | R | CCB | | | | | | |
| Dyna-Gro | S37RS96 | RR2Y,ST | 3.70 | R | CCB | | | | | | |
| Dyna-Gro | S38RY56 | RR2Y | 3.80 | MR | CCB | | | | | | |
| Hubner | H30-16R2 | RR2Y | 3.00 | R | ACi | | | | | | |
| Hubner | H32-13R2 | RR2Y | 3.20 | MR | ACi | | | | | | |
| Hubner | H35-16R2 | RR2Y | 3.50 | R | ACi | | | | | | |
| Hubner | H37-14R2/STS | RR2Y,ST | 3.70 | MR | ACi | | | | | | |
| Mid-Atlantic | MAS3415NRR2 | RR2Y | 3.40 | R | PS | | | | | | |
| Mid-Atlantic | MAS3516NRR2 | RR2Y | 3.50 | R | PS | | | | | | |
| Mid-Atlantic | MAS3815NRR2 | RR2Y | 3.80 | R | PS | | | | | | |
| Mid-Atlantic | MAS3889NRR2/STS | RR2Y,ST | 3.80 | R | PS | | | | | | |
| Mycogen | 5N312R2 | RR2Y | 3.10 | R | CCB | | | | | | |
| Mycogen | 5N342R2 | RR2Y | 3.40 | R | CCB | | | | | | |
| Mycogen | 5N343R2 | RR2Y | 3.40 | R | CCB | | | | | | |
| Mycogen | 5N385R2 | RR2Y | 3.80 | R | CCB | | | | | | |
| Mycogen | 5N387R2 | RR2Y | 3.80 | R | CCB | | | | | | |
| NK Brand | S35-C3 § | RR2Y | 3.50 | R | CMBV | | | | | | |
| NK Brand | S37-Z8 § | RR2Y | 3.70 | R | CCB | | | | | | |
| NK Brand | S38-W4 § | RR2Y | 3.80 | R | CCB | | | | | | |
| Pioneer | 93Y84 § | RR | 3.80 | R | EE,C,Ci | | | | | | |
| Pioneer | P33T72R § | RR | 3.30 | R | EE,C,Ci | | | | | | |
| Pioneer | P35T58R § | RR | 3.50 | R | EE,C,Ci | | | | | | |
| Seedway | SG3644 GC | RR2Y,ST | 3.60 | R | CMBV | | | | | | |
| Seedway | SG3963 GC | RR2Y | 3.90 | R | CMBV | | | | | | |
| Steyer | 2805R2 | RR2Y | 2.80 | MR | CMBV | | | | | | |
| Steyer | 3107R2 | RR2Y | 3.10 | MR | CCB | | | | | | |
| Steyer | 3301R2 | RR2Y | 3.30 | MR | CMBV | | | | | | |
| Steyer | 3408R2 | RR2Y | 3.40 | MR | CMBV | | | | | | |
| Stine | 35RF02 § | RR2Y | 3.50 | R | Sfi | | | | | | |
| Stine | 36RF02 § | RR2Y,ST | 3.60 | R | Sfi | | | | | | |
| Stine | 38RE02 § | RR2Y | 3.80 | R | Sfi | | | | | | |
| TA Seeds | TS3169R2 | RR2Y | 3.10 | MR | TE,AV | | | | | | |
| TA Seeds | TS3449R2 | RR2Y | 3.40 | R | TE,AV | | | | | | |
| TA Seeds | TS3759R2 | RR2Y | 3.70 | R | TE,AV | | | | | | |

Footnotes and Abbreviation Descriptions

Brand Footnotes

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|----|---|
| ^ | 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.