

2018 Soybean Top 30 Harvest Report
 Pennsylvania Southeast [PASE] NORTHUMBERLAND
 Scott Shoop, Northumberland County, PA 17847



PREV. CROP/HERB: Corn / Lexar, Capreno, atrazine
 SOIL DESCRIPTION: Silt loam, mod. well drained, non-irrigated
 SOIL CONDITIONS: Very high P, high K, 6.1 pH, 2.1% OM, 6.9 CEC
 TILLAGE/CULTIVATION: No-till
 PEST MANAGEMENT: glyphosate, metribuzin, Capture, Raptor
 APPLIED N-P-K (units): 0-0-0
 SEEDED - RATE - ROW: Jun 7 158,000 /A 30" Spacing
 HARVESTED - STAND: Nov 29 122,600 /A

All-Season Test
Maturity Group 2.8 - 3.8
 S2018PASE06

Top 30 of 36
 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 |
|------------------|-------------------|-----------|------|-------------|-------------|------------|-----------|----------------|----------------------|------|
| Credenz | CZ3601LL | LL | 3.6 | R | 61.6 | 18.5 | 4 | 116.2 | \$490 | 1 |
| Mid-Atlantic | MAS3718RR2/X | RRX | 3.7 | R | 61.5 | 18.9 | 8 | 122.0 | \$488 | 2 |
| Asgrow | AG36X6 § | RRX | 3.6 | R | 59.0 | 18.0 | 6 | 139.4 | \$470 | 3 |
| Asgrow | AG38X8 § | RRX | 3.8 | R | 58.1 | 19.9 | 6 | 120.0 | \$460 | 4 |
| Mid-Atlantic | MAS3311NRR2/STS/X | RRX | 3.3 | n/a | 57.1 | 19.1 | 8 | 116.2 | \$453 | 5 |
| Seed Consultants | SC 8279X | RRX | 2.7 | R | 56.9 | 21.0 | 13 | 127.8 | \$450 | 6 |
| Seed Consultants | SC 8379X | RRX | 3.7 | R | 56.5 | 21.9 | 10 | 133.6 | \$445 | 7 |
| Credenz | CZ3841LL | LL | 3.8 | R | 56.3 | 22.2 | 7 | 120.0 | \$443 | 8 |
| Pioneer | P39T28X § | RRX | 3.9 | R | 56.0 | 20.8 | 5 | 116.2 | \$443 | 9 |
| Mycogen | 5N342R2 § | RR2Y | 3.4 | R | 55.7 | 21.3 | 6 | 127.8 | \$440 | 10 |
| Seed Consultants | SC 8358X | RRX | 3.5 | R | 55.0 | 19.4 | 7 | 116.2 | \$436 | 12 |
| Doebblers | RPM 30R8 | RR | 3.0 | R | 54.8 | 16.7 | 7 | 125.8 | \$438 | 11 |
| Hubner | H36-28R2X | RRX | 3.6 | R | 54.8 | 19.3 | 7 | 127.8 | \$435 | 13 |
| Pioneer | P36T86R § | RR | 3.6 | R | 54.1 | 19.4 | 5 | 114.2 | \$429 | 14 |
| Hubner | H38-27R2X | RRX | 3.8 | R | 52.6 | 21.6 | 5 | 133.6 | \$415 | 16 |
| Hubner | H34-37R2X | RRX | 3.4 | R | 52.6 | 22.9 | 7 | 122.0 | \$414 | 17 |
| NK Brand | S35-K9X § | RRX | 3.5 | R | 52.4 | 18.2 | 14 | 129.7 | \$417 | 15 |
| Chemgro | C3751RXS | RRX,ST | 3.7 | R | 51.6 | 20.7 | 16 | 152.9 | \$408 | 18 |
| Pioneer | P31T77R § | RR | 3.1 | R | 51.5 | 21.3 | 5 | 116.2 | \$407 | 19 |
| Chemgro | C3451RX | RRX | 3.4 | R | 51.4 | 22.3 | 7 | 122.0 | \$405 | 20 |
| Credenz | CZ3548LL | LL | 3.5 | MR | 50.6 | 20.5 | 5 | 122.0 | \$400 | 21 |
| Local Seed Co. | LS3787XS | RRX,ST | 3.7 | R | 50.6 | 21.0 | 14 | 129.7 | \$400 | 22 |
| Mid-Atlantic | MAS3611RR2/STS/X | RRX,ST | 3.6 | R | 50.5 | 21.4 | 9 | 127.8 | \$399 | 23 |
| Mycogen | 5N387R2 § | RR2Y | 3.8 | R | 49.9 | 19.0 | 5 | 122.0 | \$396 | 24 |
| Mycogen | MY360A1 § | RR2Y | 3.6 | MR | 49.7 | 21.0 | 1 | 98.7 | \$393 | 25 |
| Hubner | H33-37R2X | RRX | 3.3 | R | 49.7 | 21.8 | 14 | 123.9 | \$392 | 26 |
| Local Seed Co. | LS2847R2S | RR2Y,ST | 2.8 | R | 49.7 | 21.8 | 23 | 122.0 | \$392 | 27 |
| Mycogen | 5N306R2 § | RR2Y | 3.0 | R | 49.5 | 21.2 | 14 | 127.8 | \$391 | 28 |
| Asgrow | AG30X8 § | RRX | 3.0 | R | 49.5 | 21.6 | 11 | 122.0 | \$390 | 29 |
| Mid-Atlantic | MAS3681RR2/X | RRX | 3.6 | n/a | 49.5 | 21.9 | 14 | 116.2 | \$390 | 30 |

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|--------------|-------------|-------------|----------|--------------|--------------|
| Averages = | 52.5 | 20.7 | 9 | 122.6 | \$415 |
| LSD (0.10) = | 4.8 | 1.5 | 5.1 | | |
| LSD (0.25) = | 2.5 | 0.8 | 2.7 | | |
| C.V. = | 8.6 | | | | |

Prev. years avg. yield, 56.5 bu/a, 5 yrs

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.020 Prices = \$8.06 GMO; \$8.06 non-GMO

TEST COMMENTS: *Excellent soil conditions at planting. Above average rainfall for most of the summer. The only dry weather occurred in early to mid-June. Excessive rainfall and cloudy weather delayed harvest. Overall rating of plot is 9 out 10. (10=best)*

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

2018 Soybean - Pennsylvania Southeast [PASE]

All-Season Test Products (36 Total)

| Company/Brand | Product/Brand | Technol. | Mat. | SCN | Seed Trt | Company/Brand | Product/Brand | Technol. | Mat. | SCN | Seed Trt |
|------------------|-------------------|----------|------|-----|------------|---------------|---------------|----------|------|-----|----------|
| Asgrow | AG30X8 § | RRX | 3.0 | R | AC,PV | | | | | | |
| Asgrow | AG36X6 § | RRX | 3.6 | R | AC,PV | | | | | | |
| Asgrow | AG38X8 § | RRX | 3.8 | R | AC,PV | | | | | | |
| Chemgro | C3451RX | RRX | 3.4 | R | En | | | | | | |
| Chemgro | C3751RXS | RRX,ST | 3.7 | R | En | | | | | | |
| Credenz | CZ3233LL | LL | 3.2 | R | EE,PV,IL | | | | | | |
| Credenz | CZ3548LL | LL | 3.5 | MR | EE,PV,IL | | | | | | |
| Credenz | CZ3601LL | LL | 3.6 | R | EE,PV,IL | | | | | | |
| Credenz | CZ3738LL | LL | 3.7 | MR | EE,PV,IL | | | | | | |
| Credenz | CZ3841LL | LL | 3.8 | R | EE,PV,IL | | | | | | |
| Doebler | RPM 30R8 | RR | 3.0 | R | DPHB,Lu | | | | | | |
| Hubner | H33-37R2X | RRX | 3.3 | R | AC,PV | | | | | | |
| Hubner | H34-37R2X | RRX | 3.4 | R | AC,PV | | | | | | |
| Hubner | H36-28R2X | RRX | 3.6 | R | AC,PV | | | | | | |
| Hubner | H38-27R2X | RRX | 3.8 | R | AC,PV | | | | | | |
| Local Seed Co. | LS2847R2S | RR2Y,ST | 2.8 | R | TE | | | | | | |
| Local Seed Co. | LS3787XS | RRX,ST | 3.7 | R | TE | | | | | | |
| Local Seed Co. | TS3759R2 | RR2Y | 3.7 | R | TE | | | | | | |
| Mid-Atlantic | MAS3311NRR2/STS/Δ | RRX | 3.3 | n/a | PS | | | | | | |
| Mid-Atlantic | MAS3516RR2 | RR2Y | 3.5 | MR | PS,Me | | | | | | |
| Mid-Atlantic | MAS3611RR2/STS/X | RRX,ST | 3.6 | R | PS | | | | | | |
| Mid-Atlantic | MAS3681RR2/X | RRX | 3.6 | n/a | PS | | | | | | |
| Mid-Atlantic | MAS3718RR2/X | RRX | 3.7 | R | PS | | | | | | |
| Mycogen | 5N306R2 § | RR2Y | 3.0 | R | CCB | | | | | | |
| Mycogen | 5N342R2 § | RR2Y | 3.4 | R | CCB | | | | | | |
| Mycogen | 5N387R2 § | RR2Y | 3.8 | R | CCB | | | | | | |
| Mycogen | MY360A1 § | RR2Y | 3.6 | MR | CCB | | | | | | |
| NK Brand | S34-T2X § | RRX | 3.4 | R | CCB,Me | | | | | | |
| NK Brand | S35-K9X § | RRX | 3.5 | R | CCB,Me | | | | | | |
| Pioneer | P31T77R § | RR | 3.1 | R | None | | | | | | |
| Pioneer | P36T86R § | RR | 3.6 | R | None | | | | | | |
| Pioneer | P39T28X § | RRX | 3.9 | R | EE,G,IL,Lu | | | | | | |
| Seed Consultants | SC 3319L | LL | 3.1 | R | TT,IL | | | | | | |
| Seed Consultants | SC 8279X | RRX | 2.7 | R | TT,Lu | | | | | | |
| Seed Consultants | SC 8358X | RRX | 3.5 | R | TT,Lu | | | | | | |
| Seed Consultants | SC 8379X | RRX | 3.7 | R | TT,IL | | | | | | |
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Footnotes and Abbreviation Descriptions

Brand Footnotes

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|----|---|
| ^ | Innotech™ brand seed is distributed by Rob-See-Co, LLC. Innotech™ is a trademark of Syngenta. |
| 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

| | |
|------|---------------------------------|
| G27 | GT27™ |
| 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 not provided | 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 |
| AM | ApronMaxx® | IS | Intego™ Suite |
| ASfi | AgriShield® F+I | Lu | Lumisena™ |
| AVB | Avicta® Complete Beans | Me | Mertect® |
| AVBV | Avicta® Complete Beans with Vibrance | None | untreated |
| BB | Buckeye Boost ST | Pd | proTect D™ |
| CCB | Clariva™ Complete Beans | PG+ | Profit Guard +™ |
| CI | Clariva™ pn | PS | MAS Pro-Shield |
| CMB | CruiserMaxx® Beans | PV | Poncho®/Votivo® |
| CMBV | CruiserMaxx® Beans with Vibrance | R | Redigo™ |
| DPHB | DPH Boost® | Ret | Revize® SB+T |
| DST | Dominance™ ST | Ri | Rizolex™ |
| DX | Defend™ Extra | SF | Stine XP F |
| EcTC | Eclipse™ US Total coverage | SFI | Stine XP fungicide & insecticide |
| EE | Evergol™ Energy | SS | Soyshield™ |
| EL | Elevate™ F+I | SS+ | Soyshield Plus™ |
| EL+ | Elevate™ Plus | TE | Trius Elite™ |
| En | Encase® | TT | Turbo Treat™ |
| EQV | Equity® VIP | W | Warden® CX |
| Es | Escalate™ | Wr | Warden® RTA |
| F | fungicide | YPP | YP Pro™ |
| G | Gaucho® | | |

* Seed treatments may include unspecified plant health promoting components.