

DELAWARE FARMERS PLANT ABOUT 150,000 ACRES OF SOYBEANS ANNUALLY, PRODUCING OVER SEVEN MILLION BUSHEL OF BEANS AND GENERATING APPROXIMATELY \$60 MILLION IN VALUE TO THE STATE.

The Delaware Soybean Board consists of nine farmer-directors and the Secretary of Agriculture. Funded through a one-half of one percent assessment on the net market value of soybeans at their first point of sale, the checkoff works with partners in the value chain to identify and capture opportunities that increase farmer profit potential.

YIELD CONTEST

Delaware Farmers Reach High Yields

Delaware soybean growers showed their ability to achieve high yields once again through the Delaware Soybean Yield Contest. Earning top honors in this year's contest was **R.C. Willin of Sussex County** with a yield of 96.04 bushels per acre on his full season irrigated soybeans. He achieved this yield using Channel4218 seed planted on April 23, 2021.

Other statewide winners were **Chris Wyatt of Kent County** in the Double Crop category, and **Roger Swartzentruber of Sussex County** in the Dryland category. Wyatt yielded 83.38 bushels per acre planting Pioneer P48A94PR seed on June 16. Swartzentruber grew 90.43 bushels per acre using Channel 3521 seed planted on April 22. Each statewide winner received \$1,000 in prize money.

County winners for full season soybeans were **Dale Blessing of Kent County** with 92.09 bushels per acre and **Mark Collins of Sussex County** with 91.06 bushels per acre. Winners at the county level for double crop soybeans included **Mel Wyatt of Kent County** with 75.80 bushels per acre and **Tim Rogers of Sussex County** with 71.19 bushels per acre. No entries were received from New Castle County. County winners were awarded \$250 each.

"With the addition of our weigh wagon to the contest, the board was able to complete a record number of yield checks for this year's contest," remarked Delaware Soybean Board Chair Cory Atkins. "We thank farmers for showcasing their ability to grow high yielding soybeans."

The Contest, established in 2012, aims to assist in discovering varieties and management choices that work for soybean growers in Delaware. The goal of the Delaware Soybean Yield Contest is to gather data on practices incorporated in producing high soybean yields while recognizing the individuals who have achieved such yields. Over the past eight years, the contest has received over 150 entries and continues to grow each year, with farmers showcasing their ability to achieve high-yields in both full season and double-cropped soybeans on irrigated and dryland ground.

Visit www.desoybeans.org/yield-contest for full contest information.



PRODUCTION RESEARCH

The Delaware Soybean Board funded eight projects totaling \$50,188, to address strategic needs of Delaware soybean farmers:

Environmental factors promoting natural suppression of slugs in soybean

Dr. Michael Crossley, \$7,500

Visualization of Economic Damage Thresholds and Interaction of Nematode Populations following use of Winter Cover Crops

Alyssa Koehler, Ph.D., \$5,818

Evaluating Earlier Planting Dates for Increased Soybean Yields

Jarrold O. Miller, Alyssa Koehler, Ph.D., and Cory Whaley, \$5,650

Soybean Row Spacing and Planting Rate Effects on Litter Decomposition

Jarrold O. Miller, \$5,513

Management of Herbicide Resistance in Palmer Amaranth

Naveen K. Dixit, \$9,536

Evaluating Deer Preferences for Soybean Varieties and Soybean Response to Deer Herbivory

Luke Macaulay, James Lewis, and Nicole Fiorellino, \$9,896

Cover Crop Selection and Termination Implications for Slugs – Year 2

David Owens, \$3,604

Exchangeable Cation Uptake by Irrigated and Rainfed Soybeans

Jarrold O. Miller, Amy Shober, and Jake Jones, \$2,671

Results of these projects are available at soybeanresearchinfo.com

Priorities

ANIMAL AGRICULTURE

As the animal industry is the largest market for local soybeans, the Delaware Soybean Board identifies it as a priority to promote animal agriculture. The checkoff program supported groups such as the Delaware Pork Producers Association to support youth Livestock Shows; and participated with the Delmarva Land and Litter Collaborative to identify solutions that support both healthy and productive ecosystems and farming and poultry on Delmarva.

CONSUMER EDUCATION

Through the Delaware State Fair, social media, and media campaigns, connections were made with consumers to improve trust in food and farming.

EMERGING MARKETS

Sales for biofuels are increasing due to work of the Clean Fuels Alliance America. The World Initiative for Soy in Human Health has increased exports to Africa, Asia and Latin America. Support for these activities has expanded soybean sales and positively impacts the price of soybeans.

BOARD MEMBERS

CHAIR Cory Atkins, Seaford

VICE CHAIR Mike Clay, Middletown

TREASURER Fred West, Frankford

New Castle County

Robbie Emerson, Middletown

Kent County

Kellie Blessing, Harrington

Brett Coverdale, Harrington

Chad Dempsey, Dover

Sussex County

Rick Dickerson, Laurel

Tim Rogers, Frankford

EX OFFICIO Secretary of Agriculture

Michael Scuse

EXECUTIVE DIRECTOR Danielle Bauer Farace

FINANCIAL AND COMPLIANCE COORDINATOR

Sandy Davis

DDA REPRESENTATIVE Ese Jessa

USB REPRESENTATIVE Cory Atkins

USB ALTERNATE Robbie Emerson

BEST PRACTICES

DSB Urges Responsible Palmer Management

During the 2022 growing season, the Delaware Soybean Board reminded growers to use responsible management techniques to control Palmer amaranth. The most competitive and aggressive pigweed species, season-long competition by Palmer amaranth at 2.5 plants per foot of row can reduce soybean yield by as much as 79%.

Effectively controlling Palmer amaranth in soybeans often requires applying postemergence herbicides, three to four weeks after planting. At that time, the soybean canopy may still be a few weeks away from closure (leaves touching between the rows to block sunlight and stop additional seedling emergence). As a result, postemergence applications need to include an additional residual herbicide to provide control until the soybeans form a tight canopy.

However, due to weather, equipment issues, timing, or desire to reduce the number of applications, fields infested with Palmer amaranth are not always treated in a timely manner. Over the past few years, Delaware Soybean Board has funded research by Mark VanGessel, University of Delaware Cooperative Extension Weed Specialist, to provide advice and suggestions for situations with larger plants. A fact sheet containing results of this research were sent to Delaware soybean growers earlier this spring.

"The Delaware Soybean Board is pleased to be able to provide valuable insights into managing this noxious weed," said Delaware Soybean Board Chair Cory Atkins. "By sharing the results of this research, we aim to reduce yield losses for farmers and build a stronger soybean industry."

The full version of the fact sheet may be found at www.desoybeans.org, under the "News" tab.

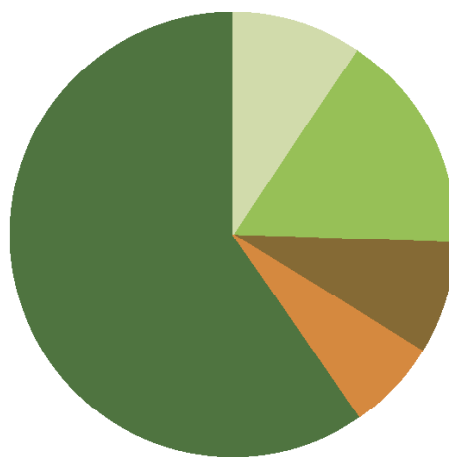
FY22

Checkoff Funds

During the fiscal year of Oct. 1, 2021 to Sept. 30, 2022, the Delaware Soybean Board collected \$479,324.52 in assessments.

Approximately half of these funds were disbursed to the United Soybean Board. The balance is managed by the Delaware Soybean Board and invested in local research, communication, promotion and special projects. Program implementation expenses cover collection, compliance, elevator audits and Board operations.

Audited report is available upon request.



PROJECT IMPLEMENTATION: \$37,650.16

RESEARCH & PRODUCTION: \$65,120.08

MARKET BUILDING & CONSUMER EDUCATION: \$33,101.65

FARMER ENGAGEMENT: \$26,221.27

UNITED SOYBEAN BOARD: \$239,649.31

FIND & FOLLOW US
www.desoybeans.org



HERE'S HOW THE SOY CHECKOFF WORKS

The national soy checkoff was created as part of the 1990 Farm Bill. The federal legislation that created the soy checkoff requires that all soybean farmers pay into the soy checkoff at the first point of purchase. These funds are then used for promotion, research and education at both the state and national level.

*FARMERS SELL BEANS TO ELEVATORS,
PROCESSORS AND GRAIN DEALERS.*



1/2 of 1% of the total
selling price.



Collected per
federal legislation.

0.5%

Delaware
SOYBEAN BOARD

PROMOTION

RESEARCH

EDUCATION



Half goes to
the Delaware
Soybean Board
for investment*
in areas that are
a priority for
Delaware soybean
farmers.

ROI TO THE FARMER



Half goes to the
national checkoff
for investment in
USB's Long-Range
Strategic Plan.

CHECKOFF MATH: RETURNING \$12.34/\$1 INVESTED

Source: Cornell University (2019)

*Led by 9 volunteer soybean farmers, the Delaware Soybean Board invests and leverages soy checkoff dollars to MAXIMIZE PROFIT OPPORTUNITIES for all Delaware Soybean Farmers.

For more information on how your soy checkoff dollars are invested, visit desoybeans.org or unitedsoybean.org.

© 2020 United Soybean Board. [59824-2 9/20]