

PASA

2017 ANNUAL REPORT

JULY 1, 2016
JUNE 30, 2017

**PENNSYLVANIA
ASSOCIATION FOR
SUSTAINABLE
AGRICULTURE**

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“PROMOTING PROFITABLE FARMS THAT PRODUCE HEALTHY FOOD FOR ALL PEOPLE WHILE RESPECTING THE NATURAL ENVIRONMENT”

OVERSIGHT & GOVERNANCE

THE PENNSYLVANIA ASSOCIATION FOR SUSTAINABLE AGRICULTURE IS A 501(C)(3) NONPROFIT, MEMBERSHIP-BASED ORGANIZATION INCORPORATED IN THE COMMONWEALTH OF PENNSYLVANIA SINCE 1992. THE ORGANIZATION IS FUNDED BY A DIVERSE ARRAY OF SOURCES, INCLUDING BUT NOT LIMITED TO, MEMBERSHIP DUES, INDIVIDUAL CONTRIBUTIONS, GRANTS FUNDED THROUGH BOTH THE PRIVATE AND PUBLIC SECTOR, AND FEES PAID BY MEMBERS AND OTHERS WHO ATTEND A VARIETY OF EDUCATIONAL PROGRAMS AND SPECIAL EVENTS.

PASA IS GOVERNED BY A BOARD OF DIRECTORS COMPRISED OF 15 REGULAR DIRECTORS WHO ARE ELECTED BY ITS MEMBERS AND UP TO 3 AT-LARGE DIRECTORS WHO ARE APPOINTED BECAUSE OF THEIR SPECIAL EXPERTISE OR CONSTITUENT REPRESENTATION. THE BOARD SETS ANNUAL STRATEGIC GOALS, REGULARLY ENGAGING IN EVALUATION OF PROGRESS TOWARD THESE GOALS. THE BOARD MEETS ON A QUARTERLY BASIS AND MAINTAINS AN EXECUTIVE COMMITTEE THAT MEETS MONTHLY. THE BYLAWS OF THE ORGANIZATION ARE REVIEWED REGULARLY TO BE IN COMPLIANCE WITH BEST PRACTICES OF NONPROFIT GOVERNANCE. THE MOST RECENT VERSION WAS PASSED BY BOTH THE BOARD AND MEMBERSHIP IN 2012.

ANNUAL MEETINGS ARE HELD ON A REGIONAL BASIS. MEMBERS ARE APPRISED AT THE MEETINGS ON THE PROGRESS OF PASA'S PROGRAMMING OBJECTIVES AND FINANCIAL STATUS. INDEPENDENT FINANCIAL AUDITS BY CERTIFIED PUBLIC ACCOUNTING FIRMS ARE CONDUCTED ANNUALLY.



PENNSYLVANIA ASSOCIATION FOR SUSTAINABLE AGRICULTURE

DIRECTOR'S LETTER



What a year of transformation! As staff and board, we continue to be awed by the support PASA has received through the process of financial, organizational and programming rejuvenation. Time and time again, I have been approached by lifetime, current and prospective members expressing their renewed commitment to this community and energy for our future.

In this report, you will see that our organization is unwavering in its commitment to providing research and education grounded in the evidence-based knowledge of our farmers, in order to create a more economically just, environmentally regenerative and community focused food system. And, given the generosity of our farmers, farmers who share their knowledge and strategies freely, we know we are the type of organization that is well-positioned to be facing both the challenges and potential that awaits those of us trying our best to farm like the future matters.

As you will see reflected in this report, the PASA community is thriving! In no small part due to our committed membership and supporters, phenomenal staff, and a righted financial path set about by a terrific board, our future looks bright. We'll continue to build our apprenticeship programs, to expand our on-farm research and education

initiatives, welcome an even broader base of the agricultural community to our renowned conferences, and to be nourished and enriched by the relationships we have with each other. We would not be where we are without you!

I would like to take this opportunity to thank PASA's prior executive director, Brian Snyder, for his vision with the SOIL Institute, now the core of our programming; Ted LeBow, interim executive director, for his dogged determination to protect our financial future; my team, the best and brightest around; and, each and every one of you who have reached out to me to encourage, lament, rejoice and criticize. Taking time to make this organization be all it can is our highest order responsibility. I think of this opportunity as a true calling; no one of us is irreplaceable and, yet, each of us is vital to accomplishing the work ahead of us. I'm truly humbled to be on this journey with you.

I'd love to hear from you!

Hannah Smith-Brubaker

PASA 2017

BUILDING COMMUNITY

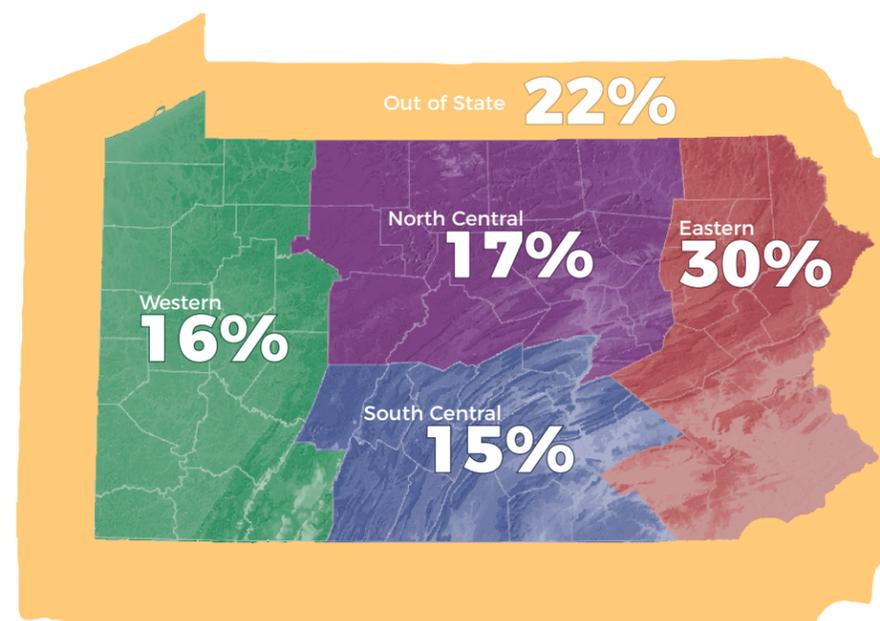
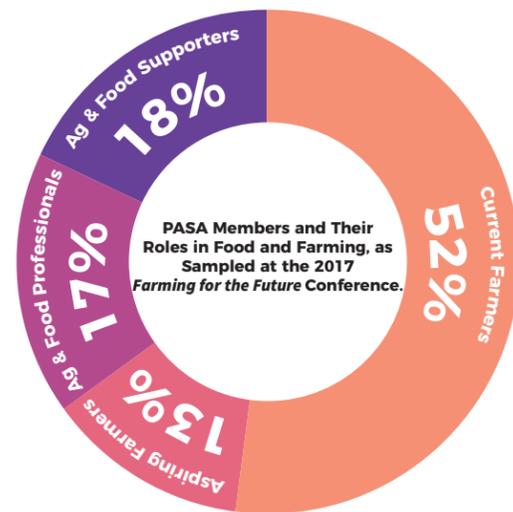
PASA's membership truly stretches from farm to fork. If you are passionate about building a more sustainable food system, the PASA community is an invaluable source of knowledge and support.



Sustainable Ag Leadership Awardees John & Todd Hopkins of Forks Farm (pictured left) and Sustainable Ag Business Leader Simon Huntley of Small Farm Central (pictured right) are accompanied by PASA executive director Hannah Smith-Brubaker and board chair Scott Case.

6,408

CURRENT MEMBERS AND SUPPORTERS



PASA MEMBERSHIP BY REGION

1,482

PEOPLE ATTENDED THE 26TH ANNUAL FARMING FOR THE FUTURE CONFERENCE

The SOIL Institute is PASA's comprehensive initiative to advance the art and science of sustainable farming. After launching this project at our 2016 *Farming for the Future* Conference, we've already had a big impact connecting farmers to each other, providing training for beginning farmers, and documenting the on-the-ground impacts of sustainable agriculture.

THE SOIL INSTITUTE

IMPACTS AT A GLANCE

779 PEOPLE ATTENDED
38 EVENTS IN
20 PENNSYLVANIA COUNTIES

54 FARMS CONTRIBUTED
TO
3 RESEARCH PROJECTS

55 FIELD DAY AND EVENT PRESENTERS
135 CONFERENCE SPEAKERS

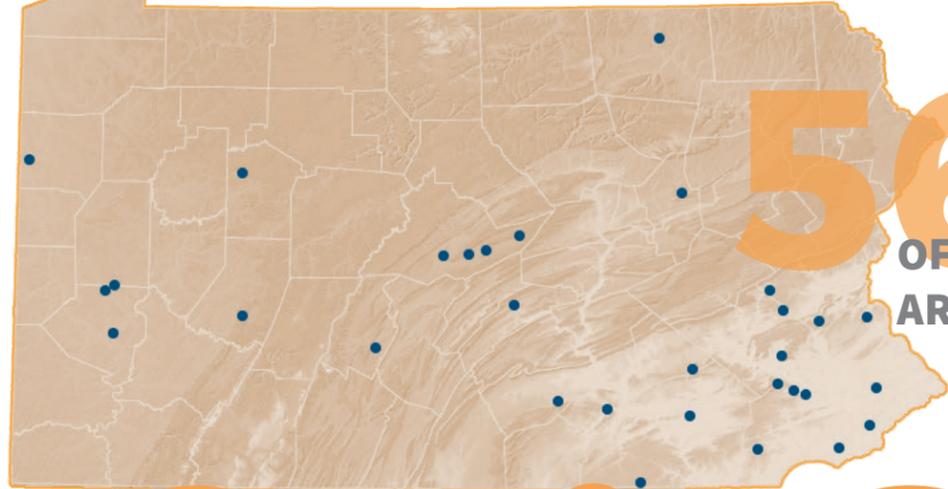


9 MASTER CRAZIERS ENROLLED IN DAIRY CRAZING APPRENTICESHIP



3 APPRENTICES ENROLLED IN DAIRY CRAZING APPRENTICESHIP

Farmer-to-Farmer Exchange Events Across Pennsylvania



56%
OF OUR ATTENDEES
ARE CURRENT FARMERS

27,272 PEOPLE ATTENDED
83 FIELD DAYS AND OTHER EVENTS IN
22 PENNSYLVANIA COUNTIES

THE SOIL INSTITUTE FARMER-TO-FARMER EXCHANGE



PASA event at Quiet Creek Herb Farm.

There is no manual for sustainable farming. Farming methods that support families, build community, and care for the land can only be learned through hands-on practice and the thoughtful mentoring of peer farmers. Our Farmer-to-Farmer exchange events bring together farmers from a range of scales, backgrounds, and experience levels to share best practices and sound-out new ideas. They are also a great opportunity for professionals and supporters to connect with farmers and build a deeper understanding of food and farming.

ATTENDEES REPORTED AN AVERAGE OF
48%
INCREASE IN KNOWLEDGE ON TOPICS RANGING FROM COVER CROPPING, TO HIGH TUNNEL DESIGN, TO FOOD SAFETY PLANNING.



Mark Lopez of Wholesome Dairy Farms talks about cow health.

FARMING FOR THE FUTURE CONFERENCE

Our annual conference brings together a diverse crowd of farmers, agricultural professionals, and sustainability supporters. The dynamic educational programs span four days of workshops, discussions, and full-day intensive seminars, while the friendly atmosphere encourages networking and peer mentoring. In February, **1,482** people attended from **23** states and **3** U.S. territories.



52%
OF OUR ATTENDEES ARE CURRENT FARMERS
AND 13%
ARE ASPIRING FARMERS



ATTENDEES REPORTED AN AVERAGE

42%
INCREASE IN KNOWLEDGE ON TOPICS RANGING FROM MANAGED GRAZING, COOPERATIVE MARKETING, TO GETTING INVOLVED IN LOCAL GOVERNMENT

75%
SAID THEY WERE CONSIDERING IMPLEMENTING A NEW PRACTICE IN THEIR FARM OR BUSINESS

HOPE, FARM, HEAL

"Our farm has been coming to this event year after year, and it is always looked forward to. It is an incredible way to not only learn new things, but get together with the surrounding farming community. Bringing this community together on a yearly basis to share information is wonderful, and I hope it continues long into the future." - Evaluation Comment

THE SOIL INSTITUTE FARMER TRAINING & DEVELOPMENT

For thousands of years, apprenticeship has been an effective pathway to learn a skilled profession. PASA is helping to prepare a new generation of farmers through formal apprenticeships that combine paid, on-the-job training with a curriculum of technical coursework. These programs can be a win-win across generations: apprentices get a rigorous preparation for all aspects of farm management or ownership, while experienced “master” farmers gain access to a pool of committed employees and potential farm managers. Working together, apprentices and masters will ensure the growth of sustainable agriculture.

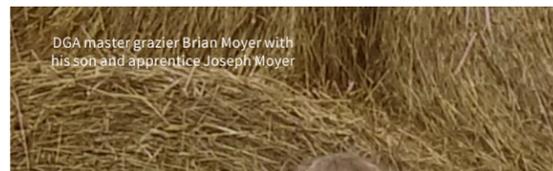
DIVERSIFIED VEGETABLE APPRENTICESHIP

Many PASA vegetable farmers have built informal internship programs that teach valuable skills to beginning farmers, but most of these farms lack the time or resources to offer structured training. We are proud to be working with farmers across Pennsylvania to build a formal, “earn-as-you-learn” apprenticeship program for diversified vegetable farming. In the model of a formal apprenticeship, this program will combine on-the-job training with technical coursework, and benefit both aspiring farmers and established farmers looking for skilled employees.

This past year, we’ve talked with **52** vegetable farmers about formal apprenticeship, typically hearing a response of “it’s about time!” In December we will be bringing some of these leading growers together to develop a curriculum and apply for state approval for our apprenticeship program. We expect to begin coordinating master-apprentices pairs on the ground in 2018.

“Apprentices are so much a product of the farm on which they train, that we need a more formal approach to make our future farmers and their farms the best possible stewards of our soil and natural resources to grow the best food possible for their communities.”

*- Aimee & John Good
The Good Farm*



DGA master grazier Brian Moyer with his son and apprentice Joseph Moyer



DGA Master Grazer Farms in Pennsylvania and New Jersey



3,700
ON-THE-JOB HOURS

9
MASTER GRAZERS

DAIRY GRAZING APPRENTICESHIP

Dairy Grazing Apprenticeship (DGA) is a nationwide program for sustainable, grass-based dairy farming, with 130 masters and 40 active apprentices nationwide. Since 2010, DGA has trained 18 Journey Dairy Graziers, most of whom are now working as managers or owner/operators. Masters can search for apprentices through an online database - or sometimes they find great apprentices close to home by working with a current employee or a family member that is getting serious about taking on more responsibilities. As with all student-teacher relationships, learning often works both ways, and apprentices can bring new perspectives back to the host farm.

300
APPRENTICES

The SOIL Institute is proud to administer the DGA program in the mid-Atlantic states. Since March 2016, we have enrolled **9 Master Graziers** across Pennsylvania and New Jersey. We have also enrolled **3 Apprentices**, 2 of which are now over half-through this rigorous program, which combines **3,700 hours** of on-the-job training with **300 hours** of field days and college-level courses. In 2018, we will be working to grow the program through partnership with the Pennsylvania Grazing Lands Coalition and the Center for Dairy Excellence.

“One of the best things about the program for me has been seeing what other farms are doing, and what’s working and what’s not.”

- Joseph Moyer

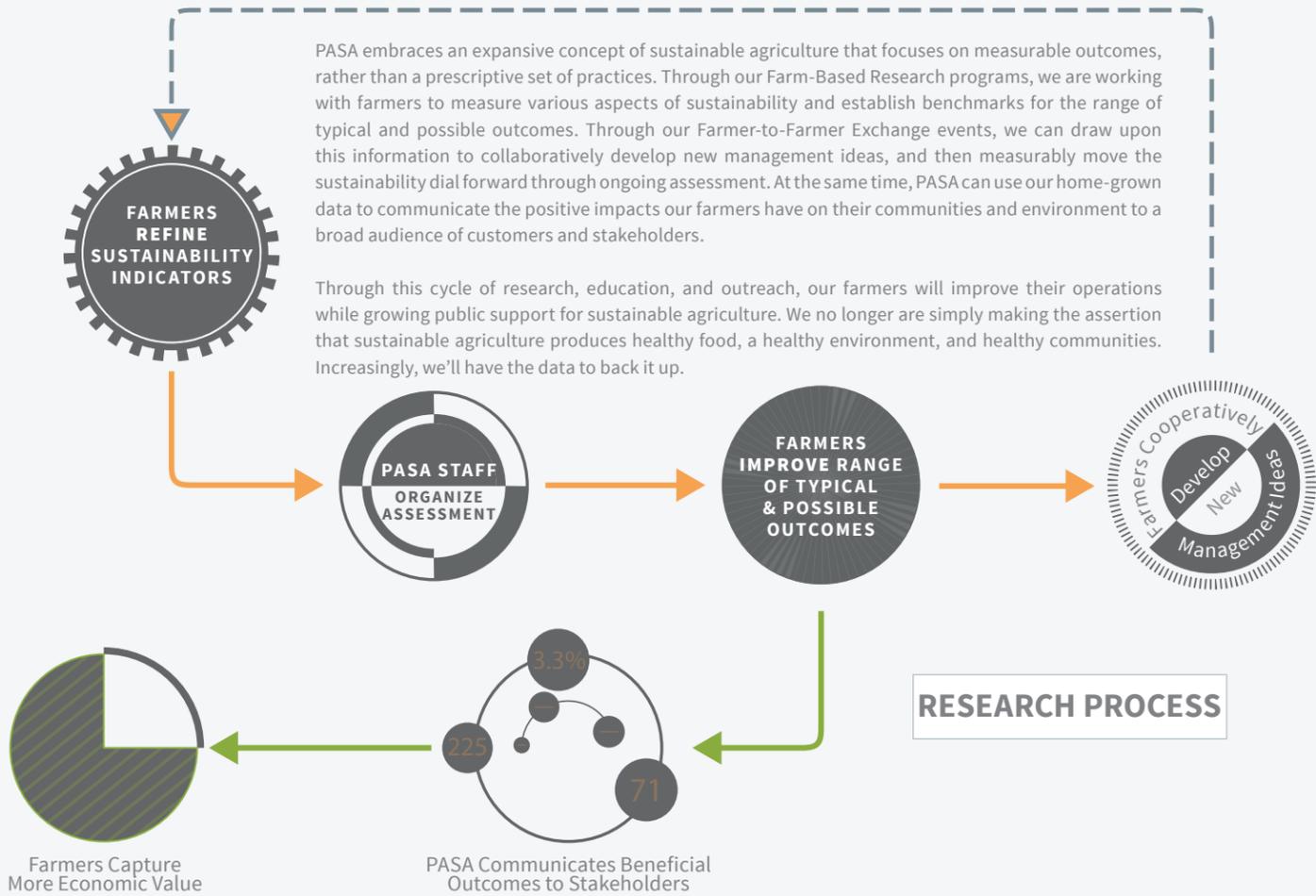
“Joseph will be taking an online class, or he’ll visit a farm and see something different-- or he’ll just be thinking about something--and he’ll ask me why we do something a particular way, and I’ll have to think about why we do it that way. It’s made me refocus.”

- Brian Moyer

THE SOIL INSTITUTE FARM-BASED RESEARCH

PASA embraces an expansive concept of sustainable agriculture that focuses on measurable outcomes, rather than a prescriptive set of practices. Through our Farm-Based Research programs, we are working with farmers to measure various aspects of sustainability and establish benchmarks for the range of typical and possible outcomes. Through our Farmer-to-Farmer Exchange events, we can draw upon this information to collaboratively develop new management ideas, and then measurably move the sustainability dial forward through ongoing assessment. At the same time, PASA can use our home-grown data to communicate the positive impacts our farmers have on their communities and environment to a broad audience of customers and stakeholders.

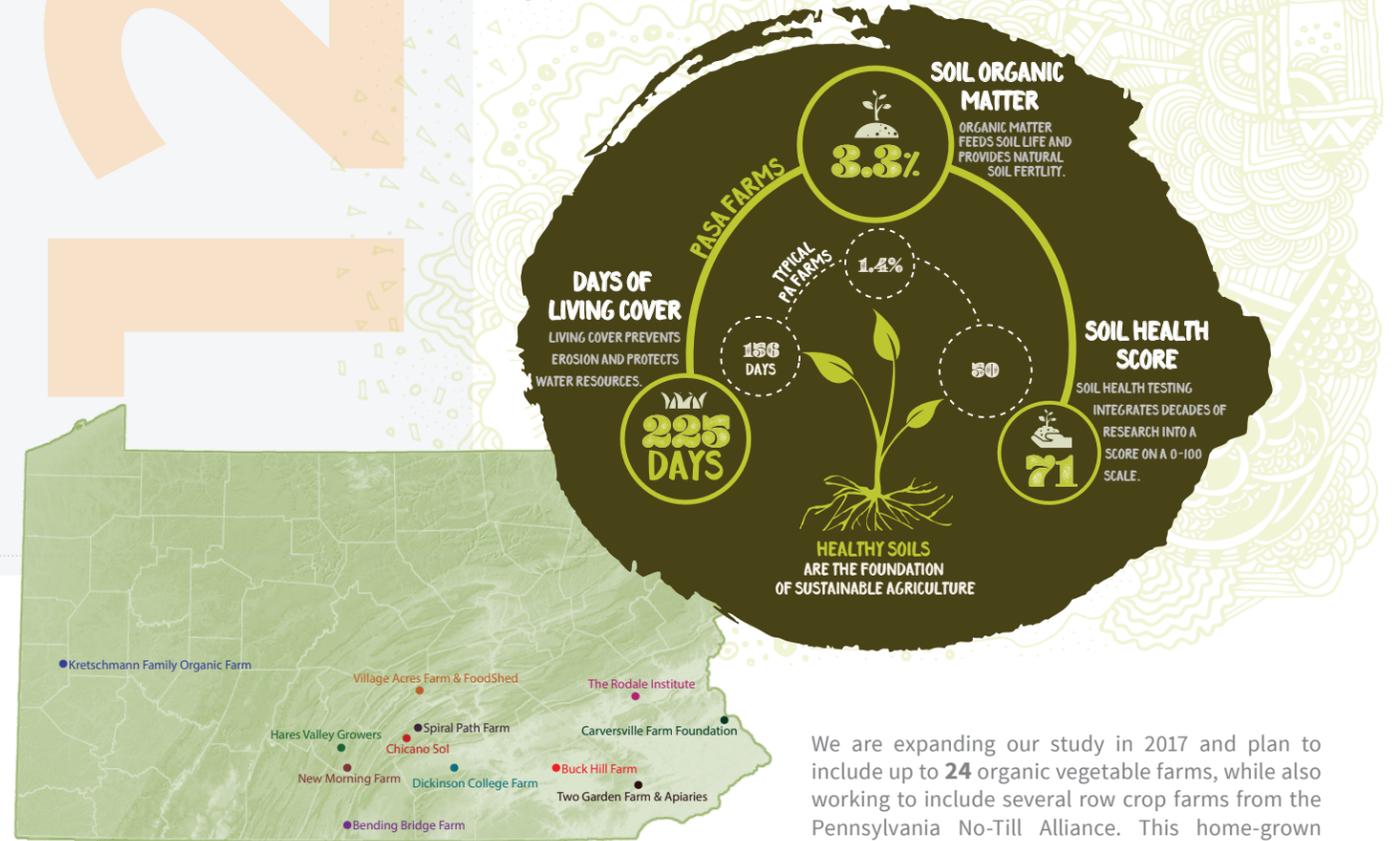
Through this cycle of research, education, and outreach, our farmers will improve their operations while growing public support for sustainable agriculture. We no longer are simply making the assertion that sustainable agriculture produces healthy food, a healthy environment, and healthy communities. Increasingly, we'll have the data to back it up.



SOIL HEALTH BENCHMARK STUDY

Soil health is the foundation of productivity and profitability on any farm. While most farms regularly test their soils, it can be challenging to put results in a meaningful context. For instance, how do you understand what a “good” soil test result is for your farm, and how do you develop a practical strategy for improving soil health over the long term? Last summer, we began working with organic vegetable farmers to help answer these questions and chart a course for sustaining our soil resources for the future.

Working with scientists at the Pennsylvania State University and Northeast Sustainable Agriculture Research and Education, we developed methods to test soils and record the management practices that farmers are using to foster soil health. With 12 farms contributing so far, we've found that PASA farmers are practicing excellent soil stewardship. On average, these farms are growing organic matter 2.3 times higher than benchmarks for their soil types, maintain living cover 225 days of the year, and have “excellent” soil health scores, according to Cornell Comprehensive Assessment of Soil Health tests.

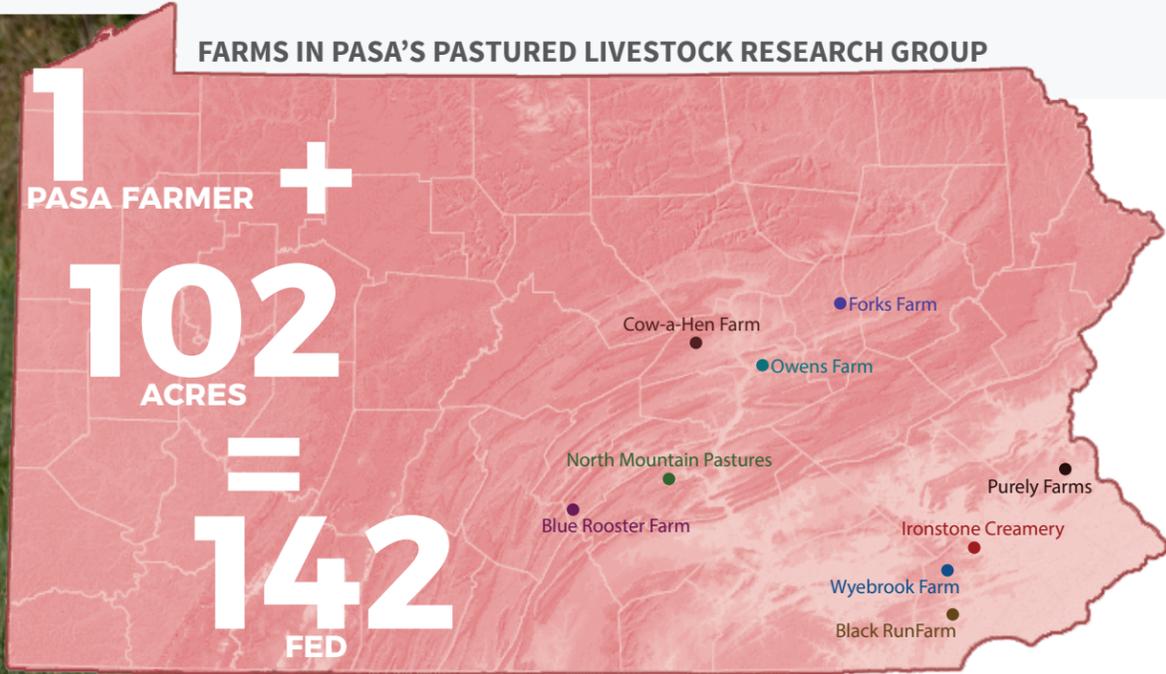


ORGANIC VEGETABLE FARMS CONTRIBUTING TO THE 2016 SOIL HEALTH BENCHMARK STUDY

We are expanding our study in 2017 and plan to include up to 24 organic vegetable farms, while also working to include several row crop farms from the Pennsylvania No-Till Alliance. This home-grown dataset will serve to guide soil health education and outreach at PASA and provide a foundation for farmer-to-farmer learning about best practices for growing soil health.

As a first step in this process, we've been talking with farmers to understand the indicators that they would like to use to monitor the sustainability of their operations. In a series of five focus groups held during October 2016 and at the 2017 *Farming for the Future* Conference, 38 farmers consistently identified the following as the key indicators of sustainability:

- FINANCIAL VIABILITY OF FAMILY FARMS.
- HEALTH OF THEIR FARM'S SOILS.
- NUTRIENT DENSITY OF THEIR FARM'S PRODUCTS.



THE SOIL INSTITUTE FARM-BASED RESEARCH

PASTURED LIVESTOCK FOR A HUNGRY WORLD?

Raising livestock outdoors on green, perennial pastures can bring big benefits for soil health, water quality, and animal welfare. But pastured livestock farms have often been criticized as too “inefficient” to become a serious part of the modern food system. Working with 9 farms across the state, we’ve been taking a closer look at production on farms producing a mix of beef, sheep, pigs, broilers, and turkeys, and the efficiency with which these farms can turn pasture and grain into nutrient-dense meat products.

Preliminary results indicate that, on average, each Pasa pastured livestock farm:

- Maintains **102** acres in perennial, deep rooted pastured.
- Produces enough meat to provide **142** Pennsylvanians with an annual supply of animal protein.

We also found that feed conversion (pounds of feed needed to produce a pound of meat) in pastured pig operations varies by **220%**, indicating tremendous room for farmers to learn from each other and develop new best practices. We’re looking forward to more farmers joining this research group and helping to pinpoint key opportunities to boost efficiency and raise profits.

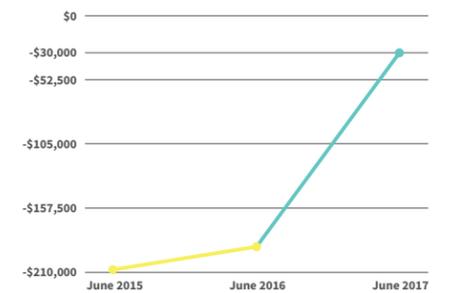
“Bringing pastured livestock producers together to discuss successes and failures of production systems, profitability, and environmental benefits is a huge step in the direction of quantifying the positive impact this type of farming can have in a community.”

*– Brooks Miller,
North Mountain Pastures*

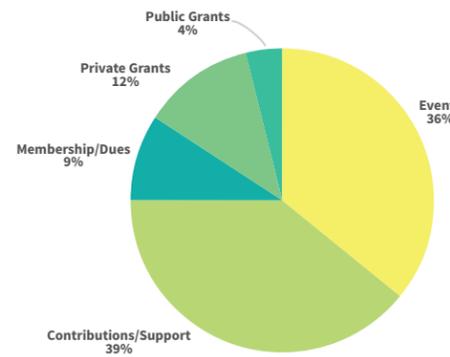
FINANCIALS

PASA faced significant challenges this past year aligning the scope of our activities with our realized revenue streams. A severe budget shortfall projected at the start of the fiscal year provided the motivation to re-focus our energies on providing excellent educational programs through the SOIL Institute and the Farming for the Future Conference, while scaling back on unrelated activities. Through a combination of staff and program reductions, other operational cost savings, successful grant-writing, and the generous and committed support of our community, we are now in a stronger financial position for the coming year.

PASA'S YEAR-END PROFIT/LOSS

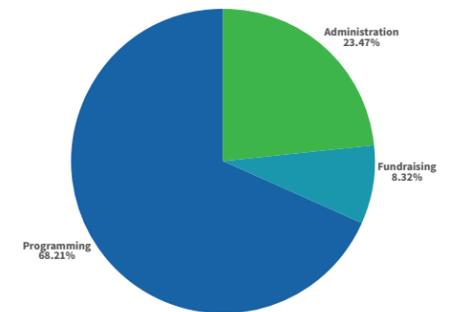


REVENUE BY SOURCE



\$1.23M REVENUE

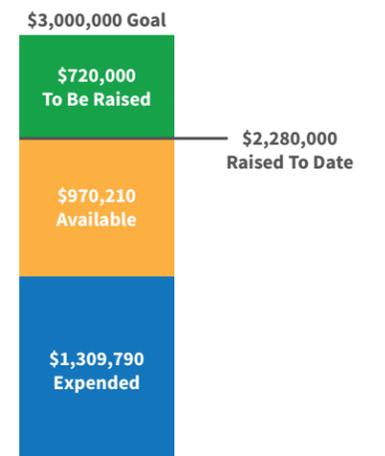
EXPENSES BY FUNCTION



\$1.26M EXPENSES

'BUILDING THE SOIL' CAMPAIGN:

The SOIL Institute is supported through a \$3M fundraising campaign that was announced publicly in February 2016. The campaign brings together a wide range of farms, families, and businesses who have a deep interest in sustainable agriculture, and we thank the **over 100** investors who have contributed to the campaign to date.



BOARD OF DIRECTORS

Scott Case, Chair · Brooks Miller, Vice Chair · Jessica Moore, Secretary · Lloyd Traven, Treasurer

Roy Brubaker, Organizational Leadership Chair · Claire Orner, Program Chair

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Mike Brownback · Melanie Dietrich Cochran · John Good · Susan Miller · David Mortensen · Audrey Gay Rodgers · Heidi Secord

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CONFERENCE SPEAKERS

Joe Albano, Ironstone Creamery · Kim Albano, Ironstone Creamery · Marilyn Anthony, Temple University Fox School of Business · Lia Babitch, Turtle Tree Seed · Mike Badger, American Pastured Poultry Producers Association · Sarah Bay, Tuscarora Organic Growers Cooperative · Tegan Bernstein, USDA Steve Bogash, ISP Technologies · Tim Bowser, Elk Creek Cafe & Aleworks · Wendy Brister, Harvey's Gardens · George Brittenberg, Taproot Farm · Joshua Brock, Commonwealth Hops · Gabe Brown, Brown's Ranch · Terra Brownback, Spiral Path Farm · Will Brownback, Spiral Path Farm · Anton Burkett, Early Morning Farm · Eric Burkhart, Shaver's Creek Environmental Center · Gianaclis Caldwell, Pholia Farm · Judy Chambers, Penn State Extension · Ian Cheek, I.M.Chestnuts · Angela Corrado, Against The Grain LLC · Dorn Cox, FarmOS · Bruce Cramer, Cramer Farm · Jim Crawford, New Morning Farm · Ola Creston, Taproot Farm · Bill Curran, Pennsylvania State University · Dan Dalton, PASA · Heather Darby, University of Vermont · Pam Dawling, Twin Oaks Community · Reuben DeMaster, Willow Haven Farm · Kathy Demchak, Pennsylvania State University · Atina Diffeley, Organic Farming Works LLC · Mark Dixon, Blue Lens LLC · Dan Dostie, NRCS · Beth Dougherty, The Sow's Ear Farm & Pottery · Shawn Dougherty, The Sow's Ear Farm & Pottery · Matt Dybala, Herb Pharm · Franklin Egan, PASA · Wade Esbenschade, Summit Valley Farm · Sarah Flack, Sarah Flack Consulting · Shelby Fleischer, Pennsylvania State University · Trey Flemming, Two Gander Farm · Peggy Fogarty, Keystone Development Center · Rachel Gaston-Pifer, Certified Babywearing Consultant Justin Geisinger, Air Hill Acres · Jim Gillis, NRCS · Gary Gilmore, DCNR · Lindsay Gilmour, Organic Planet LLC · Aimee Good, The Good Farm · John Good, The Good Farm · Beth Gugino, Pennsylvania State University · Karen Hackman, RHP Law Group · Bob Hamburg, Omega-Alpha Recycling Systems · Ben Hartman, Clay Bottom Farm · Bill Hennessy, Berks Solar LLC · Sean High, Pennsylvania State University · Rick Hood, Summer Creek Farm · Ron Hoover, Pennsylvania State University · Simon Huntley, Small Farm Central · Michael Judd, Ecologia · Nancy Jury, Sterman Masser, Inc. · Lisa Kelly, The Food Trust Wes King, National Sustainable Agriculture Coalition · Dan Kittredge, Bionutrient Food Association · Amanda Knackstedt, MidAtlantic Farm Credit · Mike Kovach, Walnut Hill Farm · Don Kretschmann, Kretschmann Family Organic Farm · Altfrid Krusenbaum, Dairy Grazing Apprenticeship · Jenn Kurian, Wild For Salmon · Steve Kurian, Wild For Salmon · Eugene Lapp, Lapp Brothers LLC · Marla Karina Larrave, National Sustainable Agriculture Coalition · Emily Lavelly · Ted LeBow, Kitchen Table Consultants · Dave Liker, Gorman Farm · Charis Lindrooth, Red Earth Farm · Stewart Lundy, Perennial Roots Farm · Mark MacDonald, Bee Tree Berry Farm · Ryan Maher, Cornell University Small Farms Program · Liz Martin, Muddy Fingers Farm · Hannah Masser, MidAtlantic Farm Credit · Erica McBride, Pennsylvania Hemp Industry Council · Jamie McKnight, Rolling Harvest Food Rescue · Mac Mead, Pfeiffer Center · Brooks Miller, North Mountain Pastures · Sandra Miller, Painted Hand Farm · Victoria Miller, Canyon Creek Farms · Dave Mortensen, Pennsylvania State University Brian Moyer, Penn State Extension · John Munsell, Virginia Tech University · Ebony Murrell, Pennsylvania State University · Justin Naylor, Old Tioga Farm Mike Negra, Pennsylvania Liquor Control Board · Claire Orner, Quiet Creek Herb Farm & School of Country Living · Rusty Orner, Quiet Creek Herb Farm & School of Country Living · Caroline Owens, Owens Farm · Tony Page, Rooster Street Butcher · Sunil Patel, Patchwork Urban Farms · Ross Pifer, Penn State Center for Agricultural & Shale Law · Cathy Pomanti, Sugar Hill Farm · Kelsey Porter, The Food Trust · Anu Rangarajan, Cornell University · Janisse Ray, Author · Lee Reich, Springtown Farmden · Laura Riccardi Lyvers, Biodynamic Ag Resources · Dana Roberts, Pennsylvania State University · Ari Rosenberg, Greensgrow Farms · Anna Santini, North Mountain Pastures · Rachel Schattman, USDA Northeast Climate Hub · Whitney Scott, Scott's Berry Farm · Heidi Secord, Pennsylvania Farmers Union · Jessica Seeley, Milky Way Farms · Kim Seeley, Milky Way Farms · Linda Shanahan, Barefoot Gardens · Julia Shanks, Julia Shanks Food Consulting · Alex Smith, Living Hope Farm · Erin Smith, Pennsylvania Department of Agriculture · Cathy Snyder, Rolling Harvest Food Rescue · Bob Solly, Solly Brothers Farm · Joel Steigman, Small Valley Milling · Matt Steiman, Dickinson College Farm · Mike Stenta, FarmOS · Jeff Stoltzfus, Penn State Extension · Kim Tait, Tait Farm Foods · Casey Trinkaus, The Fertrell Company · Eric Vander Hyde, Barefoot Gardens · Ira Wallace, Southern Exposure Seed Exchange · Tess Weigand, Commonwealth Hops · Ben Wenk, Three Springs Fruit Farm · Geoffrey Whaling, Pennsylvania Hemp Industry Council · Jonathan White, Bobolink Dairy & Bakehouse · Walt Whitmer, Penn State Extension · Jamie Williams · Gladis Zinati, The Rodale Institute

FARMER-TO-FARMER EXCHANGE HOSTS AND SPEAKERS

Mike Ahlert, Red Earth Farm · Robert Bernhardt, Indian Orchards · Nancy Bernhardt, Indian Orchards · Ben Bernhardt, Indian Orchards · Gaile Bernhardt, Indian Orchards · David Blackburn, Hopewell Furnace National Historic Site · Tony Buda, USDA Agricultural Research Service · Eric Burkhart, Shaver's Creek Environmental Center · Kim Butz, Red Earth Farm · Scott Case, Patchwork Farm & Greenhouse · Tracey Coulter, DCNR · Ann English, Happy Hollow Farm · Don English, USDA Farm Service Agency · Adrian Galbraith-Paul, Heritage Farm · Lamonte Garber, Stroud Water Research Center · Lindsay Gilmour, Organic Planet LLC · Steve Groff, Cedar Meadow Farm · Beth Gugino, Pennsylvania State University · Matt Haan, Penn State Extension · Erik Hagan, Northeast Mid-Atlantic Agroforestry · Bob Hamburg, Omega-Alpha Recycling Systems · Cliff Hawbaker, Hamilton Heights Dairy Farm · Ron Hoover, Pennsylvania State University · Todd Hopkins, Forks Farm · John Hopkins, Forks Farm · Ellanor Illoway, Lundale Farm · Cynthia James, The Rodale Institute · Dale Johnson, University of Maryland · Kirstie Jones, Pennypack Farm and Education Center · Stephanie Jones, Pennypack Farm and Education Center · Richard Kauffman, Kauffman Organic Dairy Farm · Janice Kelsey, Solar CITIES, Inc. · Daniel Kemper, The Rodale Institute · Ike Kershner, North Star Orchard · Art King, Harvest Valley Farm · Andy Kline, Sandy Springs Farm · Michael Kovach, Walnut Hill Farm · Charis Lindrooth, Red Earth Farm · Mark Lopez, Wholesome Dairy Farms · Kate MacFarland, USDA Agroforestry Center · Bob Madden, Nature Works Farm · Marissa Manheim, Grow Pittsburgh Myron Martin, Peace Hollow Farm · Brooks Miller, North Mountain Pastures · Cassandra Morgan, Nature Works Farm · Todd Newlin, Sankanac CSA at Camp Hill Village · Claire O'Brien, Sunnyside Flowers · Rusty Orner, Quiet Creek Herb Farm & School of Country Living · Claire Orner, Quiet Creek Herb Farm & School of Country Living · Lindsey Parks, The Seed Farm · Dru Peters, Sunnyside Farm · Kathy Puffer, Solar Cities, Inc & Hudson Valley Vertical Farms · Darla Romberger, Cumberland Valley High School · Scott Rushe, Seedway LLC · Brenda Sheaffer, PA Department of Agriculture · Hannah Smith-Brubaker, Village Acres Farm & FoodShed · Kathy Soder, USDA Agricultural Research Service · Jody Spangler, Solar CITIES, Inc.

John Spargo, PSU Agricultural Analytical Systems Laboratory · Ashley Spotts, Chesapeake Bay Foundation · Matt Steiman, Dickinson College Farm · Alex Traven, Peace Tree Farm · Lloyd Traven, Peace Tree Farm · Homer Walden, Sunnyside Farm · Charlie White, Pennsylvania State University · Chris Wise, Friends Farm · Gladis Zinati, The Rodale Institute

MASTER GRAZIERS

Neil Hertzler, Rock Hollow Dairy · Andrew Kline, Sandy Spring Farm · Mark Lopez, Wholesome Dairy Farms · Brian Moyer, Moyer's Dairy Farm · Audrey Gay Rodgers, Hameau Farm · Dwight Stoltzfoos, SpringWood Organic Farm · Forrest Stricker, Spring Creek Farms · Lamar Wadel, Wadel's Dairy · Jonathan White, Bobolink Dairy and Bakehouse

DGA APPRENTICES

Joe Babiasz, Bobolink Dairy and Bakehouse · Corio Bruestle, SpringWood Organic Farm · Joseph Moyer, Moyer's Dairy Farm

SOIL HEALTH BENCHMARK STUDY PARTICIPANTS

Mike Brownback, Spiral Path Farm · Will Brownback, Spiral Path Farm · Debra Brubaker, Village Acres Farm & FoodShed · Andrew Buckwalter, Buck Hill Farm Jim Crawford, New Morning Farm · Timothy Derstine, Hares Valley Growers · Trey Flemming, Two Gander Farm & Apiaries · Jennifer Glenister, New Morning Farm Jennifer Halpin, Dickinson College Farm · Cynthia James, The Rodale Institute · Don Kretschmann, Kretschmann Family Organic Farm · Ron Moule, Carversville Farm Foundation · Cameron Pedersen, Bending Bridge Farm · Jarrah Salazar Cernas, Chicano Sol · Drew Smith, The Rodale Institute

PASTURED LIVESTOCK RESEARCH GROUP

Kim Albano, Ironstone Creamery · Roy D Brubaker, Blue Rooster Farm · Bill Callahan, Cow-a-Hen Farm · Dean Carlson, Wyebrook Farm · Bill Elkins, Buck Run Farm Helen Elkins, Buck Run Farm · John Hopkins, Forks Farm · Julie Hurst, Blue Rooster Farm · Joanna Michini, Purely Farms · Brooks Miller, North Mountain Pastures Caroline Owens, Owens Farm

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