HEARING BEFORE THE UNITED STATES HOUSE OF REPRESENTATIVES COMMITTEE ON AGRICULTURE

September 14, 2022

Testimony of Jeff Moyer
Chief Executive Officer, Rodale Institute

I. INTRODUCTION

Chairman Scott, Ranking Member Thompson, and Members of the Committee, thank you for the opportunity to testify before you today.

Given your positions on this esteemed committee, it's likely you already know that America's food system is broken. And it's likely you already know why it's broken. It's too reliant on unstable foreign supply chains, chemical inputs, and government subsidies for foods that aren't nutritious for your constituents or profitable for American farming families.

Conventional agricultural models are also degrading American farmland.

But this is not a doomsday scenario—not just yet. We have the tools and the time to fix this and set our farms on a positive track, and regenerative organic agriculture is our path forward.

A strong, viable economic model that supports American farmers transitioning to regenerative organic already exists, and there's a role for everyone as we make this change, including conventional farmers, organic farmers, lenders, landowners, suppliers, and policymakers.

But we must move to make this transition now. U.S. national security, the health of our people, and the financial stability of the nation's farming families are all at risk.

Rodale Institute, the 75-year-old Pennsylvania-based nonprofit and research institution that I run, confronts this challenge every day. Our 100 person staff, including nearly a dozen PhDs and a handful of farmers, are dedicated to creating a resilient food system that works to improve soil health and the economics of farming.

Recent events, such as Russia's war against Ukraine and the subsequent disruptions in the worldwide food system, forced American agriculture into an inflection point and an opportunity.

We shouldn't waste it.

II. AMERICAN FOOD INDEPENDENCE

Just as America works towards energy independence, it should work towards food independence. Relying on fragile international supply chains could jeopardize U.S. national security and lead to widespread, unstable food prices for everyday Americans.

A. The War in Ukraine Exposed Dangerous Cracks in the Global Food System

With farmers and commodities experts predicting lower yields, skyrocketing prices, and extreme hunger in some parts of the world, we have to rethink our food systems to break American agriculture's reliance on fragile international supply chains.

If we do this right, we can produce healthier, chemical-free food. That should be a priority because not only must we figure out how to feed this nation, we must feed it better.

The food system that can accomplish that objective—producing enough nourishing food in the United States—is regenerative organic agriculture.

B. The Answer to American Food Independence Can Be Found Right Under Our Feet

Russia's war in Ukraine caused a near doubling of the price of natural gas, a key ingredient in nitrogen fertilizer. The increased cost and limited availability forced some farmers to reduce fertilizer use for their crops, which shrunk yields in some cases. Facing a profitless growing season, some farmers may have given up altogether.

The U.S. Department of Agriculture responded by issuing $250 million in grants to spur U.S. fertilizer production. But that was a Band-Aid for a wound that will never heal. The long-term solution is right under our feet.

Regenerative organic agriculture is a reliable, resilient method of growing food that does not depend on synthetic fertilizers or off-farm inputs. Regenerative organic farms use a whole-systems approach to agricultural production, which actively restores the health of soil. Farms practicing these methods rely on cover crops, crop rotations, reduced-till practices, composting, and, in some cases, fertilization by animal manures—spread by responsible grazing practices—to nourish and enhance soils.

III. THE SCIENCE

Soil is the foundation of successful farming. It is also the foundation for the ecosystem services that life depends on.

A. Unmitigated Soil Erosion and Destruction Could Jeopardize the Food Supply

Research shows that 30% of the world's arable land (land that is used for growing crops) has become unproductive in the past 40 years due to soil erosion. Soil degradation is the physical, chemical, and biological decline in soil quality occurring in various forms such as erosion, salinization, acidification, compaction, loss of fertility, decline in soil biological activity, and loss of soil organic matter. About a third of the world's soil has already been degraded, and if the current rate of soil degradation continues, all of the world's topsoil could be lost within 60 years.

Unsustainable agricultural practices, such as over grazing, improper land use change, and deforestation—especially clear cutting—are major contributors to soil degradation.
In the U.S, 98 percent of farms practice conventional agriculture, which relies heavily on pesticides and synthetic fertilizers, many of which are toxic to humans, animals, pollinators, and soil micro and macro biota.

In addition, conventional farms usually have low crop diversity, which can contribute to the destruction of biodiversity in soil. That's important because when there are fewer microorganisms in the soil, it compromises nutrient cycling and nutrient availability for plants. The result is weaker plants that are more susceptible to infections and pests and therefore require additional synthetic fertilizers for the plant to grow to maturity. This all leads to increasing dependence on synthetic inputs, increased emissions from the soil, increased water pollution, and reduced soil health.

Current estimates suggest that by 2050, soil erosion may reduce up to 10% of crop yields, the equivalent of removing millions of acres of land from production. Simultaneously, the world's population is expected to exceed 9 billion, which puts global food security in jeopardy.

B. Regenerative Organic Agriculture Improves Soil, the Environment, and the Economic Security of U.S. Farming Families

The term "regenerative organic" describes a holistic approach to farming that encourages continuous innovation and improvement of environmental, social, and economic factors. The regenerative organic farming model doesn't just maintain resources—it improves them. In addition, it is a food system that relies on natural cycles and management.

Critically, research shows that organic farming has the potential to diminish soil erosion (Erhart and Hartl 2009). Soil erosion rates measured under simulated heavy rainfall in the Swiss Farming System and Tillage experiment revealed that organic farming decreased mean sediment delivery compared to conventional farming by 30% (0.54 t ha^{-1} h^{-1}) (Seitz et al., 2019).

- **Key Methods of Regenerative Organic Agriculture:**
  - *Utilizing Organic no-till:* Organic no-till practices are central to maintaining or improving soil quality and vitality in the regenerative organic model. The practice is both a technique and a tool to reduce tillage and improve soil organic matter.
  - *Utilizing* the *Roller Crimper:* Employing the roller crimper tractor attachment is an indispensable tool to avoid destructive practices to terminate cover crops, such as tillage and pesticide application. The roller

crimper, which was developed at Rodale Institute, reduces soil erosion, improves soil health, and increases biodiversity. Of note, Rodale Institute posts the roller crimper's blueprints online. Those blueprints can be accessed at no financial cost.

o *Managing Weeds with Cover Crops:* Cover Crops are critical to weed management in a regenerative organic farming system as they actively suppress weed growth and enhance soil health. Cover crops also protect soil from erosion and nutrient loss and play an important role in carbon drawdown.

· **Key Benefits:**

o *Drought Resistant Crops:* Crop yields under organic farming systems are more likely to be resilient to extreme weather. Rodale Institute's long-running Farming Systems Trial found that in drought years, yields were consistently higher in organic systems. For example, in one case, organic corn yields were found to be 28% to 34% higher than conventional. Part of the organic system's resilience is linked to the increased soil organic matter that has greater moisture holding capacity during a drought episode.

o *Greater Economic Returns for U.S. Farmers*: Research conducted by Rodale Institute has proven that organic systems earn three to six times greater profit for American farmers. In addition, Flanagan State Bank found from 2016-2020, organic incomes were 163% higher than conventional incomes for corn, 145% higher for soybeans, 182% higher for wheat, and 103% higher for hay. Organic systems also use 45% less energy than conventional systems and improve a farm's soil health by building organic soil matter over time.

o *Less Reliance on Off- Farm Inputs, Especially Synthetic Fertilizers*: Regenerative organic farmers are less vulnerable to foreign supply chain disruptions and price shocks in the agricultural commodities market as they don't use off-farm inputs as much as conventional farmers.

o *Higher Quality Food for Consumers:* Industrial agriculture has depleted soils and bred plants for size and rate of growth—not nutrition—in a narrow pursuit of ever-increasing yields. Additionally, plants are more often exposed to stressful situations in organic systems due to the lack of pesticides use which can lead to increased biosynthesis and accumulation of natural defense substances, such as phenolic compounds (Faller & Fialho, 2009). The food consumed today also contains less protein, calcium, phosphorus, iron, riboflavin, and vitamin C than food produced just a half-century ago. Results from Rodale Institute's projects show that all essential amino acids (except lysine, histidine and methionine) were greater in organic oat grains compared to conventional grains (Omondi et al., 2021).

o *Predictable Food Prices*: Relying on the regenerative organic farming model and its domestic inputs can insulate American producers from the

unstable costs conventional farming is subject to due to its reliance on foreign agricultural commodities.

- *Carbon Capture and Sequestration:* Research by Rodale Institute shows that after 40 years of management, soil organic matter levels were significantly higher in an organic manure-based system than in the conventional systems studied, which reflects greater carbon sequestration in the organic system (FST 40-year report).

IV. FARMER CHOICE: The U.S. Government Must Level the "Farmer Playing Field"

Crop insurance is at odds with organic farming. Current federally backed crop insurance policies create disincentives for American farmers seeking to transition to and operate under a regenerative organic model. But it doesn't have to be this way.

A. U.S. Taxpayers and Crop Insurance

Established following the Dust Bowl of the 1930s and expanded since, the U.S. crop insurance program is operated by the Federal Crop Insurance Corporation (FCIC), which is wholly owned by the federal government and managed by USDA's Risk Management Agency (RMA). RMA oversees 14 private sector insurance companies, which issue more than one million policies covering nearly 375 million acres of U.S. farm and ranch land.

Under the program, participating farmers receive compensation when farms are ravaged by disasters such as fires, storms, and drought. Indemnity payments are also made to farmers when their yields fall below expectations or if oversupply drives down the prices they can charge. And all of this is underwritten by taxpayer-funded subsidies, which help farmers purchase crop insurance at an annual cost to taxpayers of nearly $10 billion.

B. The Bad News About Crop Insurance Policies

Today's crop insurance programs are impeding widespread adoption of regenerative organic farming methods.

That's because, too often, crop insurance policies provide no incentive to farmers who use regenerative organic methods, such as cover crops and reduced tilling. In fact, the premiums they are charged are typically not discounted, even though the risk of droughts and flooding is substantially lower on regenerative organic land. Likewise, today's policies do not incentivize farmers to use regenerative organic methods, even though they significantly stabilize yields from season to season. Instead, the crop insurance program effectively underwrites conventional intensive farming, causing harm to topsoil, waterways, the climate, population health, and—most paradoxically—the long-term financial health of farmers themselves.

C. The Good News About Crop Insurance Policies

USDA's newly established $300 million Organic Transition Initiative offers the potential for issuance of a wider array of crop insurance policies that recognize and provide appropriate coverage for the risks faced in regenerative organic agriculture. Similarly, the crop insurance premium subsidies recently announced by Secretary Vilsack for the Transitional and Organic Grower Assistance (TOGA) Program is much-needed to support climate-smart farmers and ranchers.

Crop insurance is far from being the most headline-grabbing aspect of USDA's broad portfolio, but the fact that most producers already rely on crop insurance coverage makes it an unparalleled tool for effecting sweeping change. With USDA and Congress' engagement, RMA will make more climate-smart policies available to America's farmers and ranchers. And this single step has the power to do more than any other to modernize agricultural practices, improve the nutritional content of food, and foster repair of the environment.

D. 2023 Farm Bill

Regenerative organic agriculture demands planning, resources, and investment. The 2023 Farm Bill should include priorities that support American farmers pursuing regenerative organic models.

These priorities include:

1. Allocating funding for cover crop utilization by farmers.
2. Allocating additional funding for the USDA's Organic Transition Initiative, which provides technical and financial assistance to farmers during the 36-month organic transition period.
3. Establishing a Strategic Plan with key stakeholders for data collection, policy creation, monitoring, reporting, and standards development to better serve farmers adopting regenerative organic models.

V. CONCLUSION

Regenerative organic agriculture can improve soil health and the economics of farming and put the U.S. on a path towards food independence. With proper support at the federal level, American farmers can be encouraged to adopt the practices that achieve these goals.

Thank you for offering me the opportunity to testify before the Committee. I look forward to your questions.

Jeff Moyer

Chief Executive Officer

Ask me about:

- Regenerative agriculture
- Regenerative Organic Certification
- Organic no-till farming
- History & mission of Rodale Institute

RODALE INSTITUTE™

Jeff Moyer is a world-renowned authority in organic agriculture. His expertise includes organic crop production systems with a focus on weed management, cover crops, crop rotations, equipment modification and use, and facilities design.

Jeff is perhaps most well-known for conceptualizing and popularizing the No Till Roller Crimper for use in organic agriculture. His vast experience and knowledge regarding organic farming has provided the media with a reliable source and perspective for information on current agricultural issues.

Jeff has been on staff at Rodale Institute for over 44 years, starting at Rodale Institute in 1976 in the position of farm laborer. He became Farm Manager in 1982 and later served as Farm Director, supervising research and operations of the 333-acre experimental farm for 15 years. Jeff was named executive director of the institute in 2015. Jeff was appointed CEO in September of 2019.

Jeff's expertise includes organic crop production systems with a focus on weed management, cover crops, crop rotations, equipment modification and use, and facilities design. Jeff's hands-on experience in organic agriculture brings a farmer's perspective to the research, farmer training, and consumer education conducted by Rodale Institute.

Jeff was project leader on the highly acclaimed Organic No-Till project and is the author of the book on this subject: "Organic No-Till Farming – Advancing No-Till Agriculture Crops, Soil, Equipment." In conjunction with his position at Rodale Institute, Jeff currently serves as Board Chair of the Regenerative Organic Alliance and holds a director's position on the board of the Soil Health Institute. He previously served as Chair of the National Organic Standards Board, a founding Board Member of Pennsylvania Certified Organic, Chairman of the Board of The Seed Farm, part of the Green America Non-GMO Working Group, a Project Member of The Soil Renaissance Project, and a Board Member of PA Farm Link.

As CEO, Jeff focuses on strategic planning, outreach monitoring and fund-raising activities. He also supervises the research, training, and education mission of Rodale Institute, as well as act as liaison to the board of directors and the Rodale Institute campuses across the country.

About Rodale Institute: Rodale Institute is a 501(c)(3) nonprofit dedicated to growing the organic movement through rigorous research, farmer training, and consumer education. Widely considered the global leader in regenerative organic agriculture, Rodale Institute has been researching the best practices of organic agriculture and sharing findings with farmers, scientists, and consumers throughout the world since 1947. Learn more at RodaleInstitute.org.

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Personal Information: Jeff has been on staff at Rodale Institute for over 44 years and he spent over 30 years as Farm Manager/Director. Jeff was appointed as Executive Director of the Institute in September 2015 and CEO in September of 2019. Jeff's vast experience and knowledge regarding organic farming-has provided the media with a reliable source and perspective for information on the current agricultural issues. Jeff was project leader on the highly acclaimed Organic No-Till project and is the author of the book on this subject; "*Organic No-Till Farming – Advancing No-Till Agriculture Crops, Soil, Equipment"*. He is a past chair of the National Organic Standards Board, and currently sits on the boards of Regenerative Organic Alliance as Board Chair and the Soil Health Institute. Jeff is a founding board member of Pennsylvania Certified Organic and past Founder and Board Chair of The Seed Farm, a new farmer incubator project.

Education:

- Lehigh County Community College, 9/1974 - 6/1975 AAS Civil Engineering and Construction Technology
- Paul Smiths College, 9/1973 - 6/1974 Pre-professional Forestry/Surveying

Professional Experience:
Rodale Press, Emmaus PA
3/1976 - 3/1981: Field Technician: Worked on greenhouse production and vegetable garden areas, small scale livestock, and facilities management.

Rodale Institute, Kutztown PA
7/1981-12/2007: Farm Manager: Direct all farm operations involving all planted areas, fields, gardens, and grounds. Manage all physical plant structures and facilities including office, commercial, lab, conference, and residential areas
1/2008 – 9/2015: Farm Director: Responsible for generating resource funds, grant writing, and strategic planning as related to farm operations. Allocate and direct resources to all farm operations projects including research and production growing areas. Directly responsible for all research in the area of organic no-till.
9/2015 – 2019: Executive Director: Oversee the daily operations of the organization – including planning, programming, and human resources – and manage the Institute's financial and physical resources and facilities. Support the operations and administration of the Board of Directors by advising and informing Board members, Rodale family, and staff regarding current and emerging program, administrative, and strategic issues.
9/2019 – present: Chief Executive Officer; Responsible for long-range strategic planning and funding development along with budget management. Continues to support the operations and administration of the Board of Directors by advising and informing Board members, Rodale family, and staff regarding current and emerging program, administrative, and strategic issues.

Recent Presentations:

- February 2018 – OSU Small Farms Conference, Corvallis, OR: Speaker
- December 2018 – Regenerative Earth Summit, Boulder, CO: Panelist
- December 2018 – Acres USA Conference, Louisville, KY: Speaker
- January 2019 – Sustainable Foods Summit, San Francisco, CA: Speaker
- January 2019 – University of WI OGRAIN Conference, Madison, WI: Speaker
- March 2019 – Expo West, Anaheim, CA: Speaker

Recent International Projects:

- 2015 – IFOAM Global Soils Week, Berlin, Germany: Presenter
- 2015 – ACORN Conference, Charlottetown, PEI Canada: Keynote and Presenter
- 2016 - Seminar at Håndverkeren and Kings Farm, Oslo, Norway
- 2016 - EFAO Conference, Kingston, ON Canada: Presenter
- 2017 -Conference of the Working Group Sustainability of the Danube region – Absdorf, Austria
- 2018 – Australian Biological Farming Conference and Expo, Gold Coast, Australia: Keynote and presenter
- 2019 - Conference of the Working Group Sustainability of the Danube region – Absdorf, Austria

Recent Media Events:

- Summer 2010 - PBS, Filming, of "Growing A Greener World"
- Summer 2010 – CarbonNation
- Summer 2012 – GMO-OMG Film on GMOs' in our food supply
- Fall 2018 – PBS Filming of "Food As Medicine

Executive Boards and Panels:

- Founding Board Member and Education Chair for Pennsylvania Certified Organic 1999 thru 2004
- PA Farm Link Board Member
- Penn State University Organic Research Advisory Board, 2002 to present
- Penn State University Department of Crops and Soil Science, 2010 advisory panel
- Organic Farming Research Foundation (OFRF), 2011-2014
- Lehigh County Seed Farm – Founding Board Member /Board Chair 2010 - 2016
- Leonardo Academy Standards Committee for the Sustainable Agriculture Practice Standard, Committee Member, 2008 – 2016
- Non-GMO Working Group member, 2013 to 2016
- Soil Health Institute Board Member, 2016 –present
- International Federation of Organic Agricultural Movements (IFOAM) North America Board Member, 2016 -2019
- Regenerative Organic Alliance, Board Chair and Board Member 2018 – Present

Publications:

- 1996 Moyer J.W., Saporito L.S., Janke R.R., Design, Construction, and Installation of an Intact Soil Core Lysimeter, Agron.J. 88:253-256 (1996)
- 2002 Michalak P., Moyer J.W. Organic Grain Cropping System and Marketing, Inservice Education for Northeast US, Funded by SARE
- 2007 World Association of Soil and Water Conservation, No-Till Farming Systems, Book Chapter,

Organic No-Till, J.W.Moyer

- 2009 Organic Farming: The Ecological System by C. Frances; American Society of Agronomy; Chapter 9 Climbing Mt. Organic, co-author
- 2010 Book Authorship *Organic No-Till Farming: Advancing No-Till Agriculture – Crops, Soils, Equipment* by J. Moyer, ACRES USA
- 2011 Monitoring the decline in AM fungus populations and efficacy during a long term bare fallow Douds David, Nagahashi Gerald, Wilson David, Moyer Jeff;
- 2012 Cover crop-based organic rotational no-till grain production in the mid-Atlantic region, USA; Mirsky, Ryan, Curran, Teasdale, Maul, Spargo, Moyer, Grantham, Weber, Way, Camargo
- 2016 Starter fertilizer for managing cover-crop-based organic corn ; *Agronomy Journal*, *109*(5), 2214–2222. By: R. Vann, S. Reberg-Horton, H. Poffenbarger, G. Zinati, J. Moyer & S. Mirsky

Truth in Testimony Disclosure Form

In accordance with Rule XI, clause 2(g)(5)* of the *Rules of the House of Representatives*, witnesses are asked to disclose the following information. Please complete this form electronically by filling in the provided blanks.

Committee: Agriculture

Subcommittee:

Hearing Date: 09/14/2022

Hearing Title :

"Soil Health Practices and Programs that Support Regenerative Agriculture"

Witness Name: Jeffrey W. Moyer

Position/Title: CEO

Witness Type: ○ Governmental ● Non-governmental

Are you representing yourself or an organization? ○ Self ☑ Organization

If you are representing an organization, please list what entity or entities you are representing:

Rodale Institute

FOR WITNESSES APPEARING IN A NON-GOVERNMENTAL CAPACITY

Please complete the following fields. If necessary, attach additional sheet(s) to provide more information.

Are you a fiduciary—including, but not limited to, a director, officer, advisor, or resident agent—of any organization or entity that has an interest in the subject matter of the hearing? If so, please list the name of the organization(s) or entities.

Rodale Institute
611 Siegfriedale Road
Kutztown, PA 19530

Skyhollow Farm LLC
1678 Route 143
Lenhartsville, PA 19534

Please list any federal grants or contracts (including subgrants or subcontracts) related to the hearing's subject matter that you, the organization(s) you represent, or entities for which you serve as a fiduciary have received in the past thirty-six months from the date of the hearing. Include the source and amount of each grant or contract.

see attached

Please list any contracts, grants, or payments originating with a foreign government and related to the hearing's subject that you, the organization(s) you represent, or entities for which you serve as a fiduciary have received in the past thirty-six months from the date of the hearing. Include the amount and country of origin of each contract or payment.

not applicable

Please complete the following fields. If necessary, attach additional sheet(s) to provide more information.

☑ I have attached a written statement of proposed testimony.

☑ I have attached my curriculum vitae or biography.

*Rule XI, clause 2(g)(5), of the U.S. House of Representatives provides:

(5)(A) Each committee shall, to the greatest extent practicable, require witnesses who appear before it to submit in advance written statements of proposed testimony and to limit their initial presentations to the committee to brief summaries thereof.

(B) In the case of a witness appearing in a non-governmental capacity, a written statement of proposed testimony shall include—(i) a curriculum vitae; (ii) a disclosure of any Federal grants or contracts, or contracts, grants, or payments originating with a foreign government, received during the past 36 months by the witness or by an entity represented by the witness and related to the subject matter of the hearing; and (iii) a disclosure of whether the witness is a fiduciary (including, but not limited to, a director, officer, advisor, or resident agent) of any organization or entity that has an interest in the subject matter of the hearing.

(C) The disclosure referred to in subdivision (B)(iii) shall include— (i) the amount and source of each Federal grant (or subgrant thereof) or contract (or subcontract thereof) related to the subject matter of the hearing; and (ii) the amount and country of origin of any payment or contract related to the subject matter of the hearing originating with a foreign government.

(D) Such statements, with appropriate redactions to protect the privacy or security of the witness, shall be made publicly available in electronic form 24 hours before the witness appears to the extent practicable, but not later than one day after the witness appears.

Rodale Institute

Current Grants List - September 2022

Funder Name	Project Title	Agreement Number	Award $	Start	End
Orange County Community Foundation	Comparative Analysis of Nutrient Density in Beans in Organic and Conventional Cropping Systems	NEDA #2257224	$ 15,000.00	10/15/2021	10/14/2022
Towards Sustainability Foundation	Digging Deeper: Investigating Deep Soil Carbon Stock, Origin, and Stability after 40 Years' Contrasting Organic vs. Conventional Management	n/a	$ 15,000.00	10/1/2021	9/30/2022
William Penn Foundation	Evaluating How Conventional, Conservation and Organic Farming Management Practices Enhance Soil Health and Improve Water Quality	188-17	$ 5,994,500.00	1/1/2018	12/31/2023
Pennsylvania Department of Agriculture	Organic Agriculture Research	Agreement # 44219215	$ 500,000.00	7/1/2021	6/30/2022
USDA Organic Transitions with University of Minnesota	Manure and Pasture Management to Reduce Swine Parasites in Organic Pastured Pork Production	Prime: 2018-51106-28772; Subaward: H007100801	$ 233,981.00	9/1/2018	8/31/2022
USDA NRCS CIG-University of Wisconsin/Iowa State University	Innovations in Cover-Crop-Based Organic No-Till Systems to Improve Soil Health and Nutrient Management	NR183A750008G002855K643	$ 349,761.00	9/28/2018	9/30/2023
Berks County Community Foundation - Rosenson Fund	Honeybee Conservancy	n/a	$ 50,000.00	1/1/2021	12/31/2022
Greater Cedar Rapids Community Foundation	Rodale Institute Midwest Organic Center (Iowa) - Collaboration with Indian Creek Nature Center	Application ID# 162633	$ 50,000.00	12/29/2021	12/29/2022
PA Department of Agriculture	Organic Consultancy	PO #4300649509	$ 250,000.00	2/1/2022	8/31/2022
Pocono Organics	Veteran Farmer Training Program (VFTP)	Agreement Number RI-100-426-Pocono	$ 550,000.00	5/1/2018	12/31/2022
Serenbe/Many Fold Farm	Southeast Organic Center	n/a	$ 750,000.00	6/1/2019	5/31/2022
Stranahan Foundation	Rodale Institute Midwest Organic Center (MOC) Iowa	n/a	$ 140,000.00	1/1/2022	12/31/2022
PDA SCBG FY2019	Impact of Management Practices on Winter Squash Yield and Post-Harvest Nutrient Density	AM190100XXXXG019; Sub-C940000034	$ 134,871.00	10/1/2019	9/29/2022
Gaia Fund	Organic Farmer's Association	n/a	$ 50,000.00	2019	2021
USDA OREIPassed through Purdue University	A Comprehensive Assessment Of Industrial Hemp As A Potential Crop For Organic Farmers	Prime-2019-51300-30532; Sub-F9000079402021	$ 300,000.00	9/1/2019	8/31/2023
USDA NIFA AFRI Foundational-University of Wisconsin	Microbial contribution to building and stabilizing soil organic matter under long-term crop management practices in agroecosystems	Prime-2020-67019-31160; Sub-0000000624	$ 104,057.00	1/1/2022	4/14/2023
PDA SCBG	Impact of Management Practices on Soil Mycorrhizal Fungi and Nutrient Uptake in Vegetable Crops	#AM200100XXXXG065; Sub - C9400000519	$ 100,000.00	10/1/2020	6/30/2023
USDA Organic Transitions with Clemson University	Diversifying Organic Inputs to Improve Soils Supporting Organic Vegetables in the Southeastern US	#2020-51106-32363; Sub - #2225-207-2014161	$ 100,000.00	9/1/2020	8/31/2023
M&T Bank	Rodale Institute Farmer Training and Food Access	n/a	$ 5,000.00	1/1/2022	12/31/2022
Pik Foundation	Rodale Institute Farmer Training and Food Access	n/a	$ 5,000.00	10/15/2021	10/14/2022
Baker Foundation	Regenerative Healthcare Conference 2022	n/a	$ 150,000.00	1/1/2021	12/31/2022
Air Products	Rodale Institute Farmer Training and Food Access	n/a	$ 4,500.00	1/1/2022	12/31/2022
FFAR ERGO	Exploring the Link Between Soil and Human Health: Protein, Protein Quality, and the Nutraceutical Amino Acid Ergothioneine	CA 20-SS-0000000152	$ 997,455.00	7/1/2021	6/30/2025
Cargill	Rodale Institute's Organic Consultancy	n/a	$ 750,000.00	9/1/2020	8/31/2026
Nestle/Gerber	Impact of Traditional and Regenerative Tillage on Soil Health and Nutrient Quality of Organic Broccoli	n/a	$ 221,562.00	2021	2023
Grantham Foundation	The Vegetable Systems Trial: A Systematic Approach to Connect the Dots between Soil Health, Crop Nutrient Density and Human Health	n/a	$ 1,350,000.00	1/1/2021	12/31/2025
Cornwall Manor	Cornwall Manor – Rodale Institute Organic Farm	RI-100-514-Cornwall	$ 596,567.00	1/1/2021	12/31/2024
Everlane	Organic Consultancy - PA, IA, GA, CA	n/a	$ 225,000.00	6/21/2021	9/30/2022
The GIANT Company	Rodale Institute Farmer Training Program (RIFT Interns)	n/a	$ 549,604.28	6/1/2022	5/31/2023
The GIANT Company	Organic Consultancy - PA	n/a	$ 450,000.00	6/1/2021	5/31/2022
ICU Fund	Organic Consultancy - SOC	n/a	$ 158,727.00	1/1/2021	12/31/2023
The Brian Melito & Jessica Colker Revocable Trust Fund	Organic Consultancy - SOC	n/a	$ 150,000.00	1/1/2021	12/31/2023
Hearst Foundation	Scaling the Impact of Rodale Institute's Organic Consulting Program	n/a	$ 125,000.00	4/1/2021	12/31/2022
RNP Foundation	RI California Organic Center/Organic Consultancy	n/a	$ 175,000.00	1/1/2022	12/31/2022
Western SARE Farmer & Rancher w Fifth World, LLC(CA)	Test the effects of biochar on soil quality and industrial hemp yield	n/a	$ 1,250.00	4/1/2021	10/31/2023
USDA Beginning Farmer Rancher Development Program	Organic Farming Certificate Program (OFCP)	Award No. 2021-70033-35711	$ 598,908.00	9/1/2022	8/31/2024
NFWF Collaboration with PASA	Organic Consultancy	n/a	$ 34,000.00	10/1/2021	9/30/2024
Belltown Farms, LLC	Organic Consultancy	n/a	$ 71,400.00	3/1/2021	2/28/2024
The GIANT Company	Research	n/a	$ 549,604.28	6/1/2021	5/31/2022
Kimbal Musk	Pastured Hogs Book/Online Course	n/a	$ 100,000.00	1/1/2022	12/31/2022
True Grace	Midwest Organic Consultancy	n/a	$ 15,000.00	1/1/2022	12/31/2024
Carol Petrie Foundation	New Mexico Organic Consultant	Grant #280	$ 250,000.00	Aug 2021	12/31/2022
PDA NRCS Conservation Innovation Grant PA	Growing Industrial Hemp as a Multipurpose Crop in PA in Organic Cropping Systems	NR212D37XXXXG001	$ 74,554.00	10/1/2021	9/30/2024
Carol Petrie Foundation	New York Organic Consultant	n/a	$ 100,000.00	Aug 2021	12/31/2022
Paloma Blanca Foundation	VST/Consultancy	n/a	$ 120,000.00	1/1/2022	12/31/2024
PDA Agricultural Research Grant	Impact of Pesticides on Soil and Vegetables Grown in Organic and Conventional Systems in a Long-Term Vegetable Systems Trial	C940000829	$ 127,887.00	7/1/2021	6/30/2023
Patagonia	California Organic Center and Midwest Organic Center	n/a	$ 125,000.00	1/1/2022	12/31/2024
Farmer Veteran Coaltion USDA AgVet Grant	Veteran Farmer Training Program (VFTP)	n/a	$ 72,000.00	2022	2024
PDA H.R. 133 SCBG Stimulus Grant	Enhancement of Nutrient Carryover and Accumulation Levels in Beans and Broccoli	C940000983	$ 159,800.00	1/1/2022	9/30/2024

Funder Name	Project Title	Agreement Number	Award $	Start	End
New Chapter	Research trials-CA	n/a	$ 50,000.00	1/1/2022	12/31/2022
Schantz Orchard	Rodale Institute: Harold M. Schantz Research Station	n/a	$ 500,000.00	1/1/2022	12/31/2024
Air Products	Lehigh Valley Healthy Food, Healthy People	n/a	$ 4,500.00	1/1/2022	12/31/2022
Ancient Nutrition	Regenerative Agriculture, Nutrition, and Climate Health Project (R.A.N.C.H.) Project - Rodale Institute Comprehensive Research Program at the Ancient Nutrition and Beyond Organics Farms	n/a	$ 1,050,000.00	11/15/2021	12/31/2024
Coexist Hemp Trials	Carbon Sequestering and Non-Toxic Structural Hemp Block for Residential Construction	n/a	$ 2,400.00	1/1/2022	12/31/2022
CA H.R. 133 SCBG Stimulus	Replacing plastic mulch with cover crops in organic vegetable production systems for economic benefit, soil health, and enviornmental stewardship	Prime 21SCBPCA1110; Subaward: 21-0433-019-SF	$ 326,805.00	2/1/2022	12/31/2024
Robert M. Sinskey Foundation	Regenerative Healthcare Conference	n/a	$ 100,000.00	1/1/2022	12/31/2022
Giant Company	Economic Case Studies/KTC (Consultancy)	n/a	$ 100,000.00	1/1/2022	12/31/2022
PDA Commonwealth SCBGP w Pocono Organics	Developing Regenerative Organic Production Systems for CBD Hemp in Pennsylvania	C940000924	$ 99,349.00	1/1/2022	6/30/2024
The Way Foundation	Scaling research and education to positively impact agriculture and human health (Education/Health Eating Curricula)	n/a	$ 20,000.00	1/1/2022	12/31/2022
USDA ARS ERRC II	Utilization of Arbuscular Mycorrhizal Fungi Inoculum in Sustainable Crop Production	58-8072-1-015	$ 53,240.00	8/1/2021	7/31/2022
Pa Vegetable Grower's Association (PVGA)	Impact of Management Practices on Soil Health Indicators in Conventional and Organic Vegetable Cropping Systems (YR3)	Agreement Number: 44229560	$ 5,000.00	4/1/2022	3/31/2023
Pocono Organics LLC	Pocono Organic Center	n/a	$ 1,398,903.00	1/1/2022	12/31/2025
Ceres Trust	Restricted Project Support to Expand Regenerative Organic Food Crop Research at the Rodale Institute Midwest Organic Center	n/a	$ 225,000.00	2/18/2022	12/31/2023
Candiani Denim CA	Research Project– Sioux Preshrunk Coreva (SPC) Cotton	n/a	$ 39,722.00	1/1/2022	12/31/2022
Goldman Sachs	Organic Consultancy	n/a	$ 24,400.00	1/1/2022	12/31/2022
Trailhead Capital	Organic Consultancy	n/a	$ 20,000.00	1/1/2022	12/31/2022
Harpe Bioherdicide Inc.	Bioherbicide for Cover Crop Termination in No-Till Organic Crop Production	n/a	$ 3,995.00	1/1/2022	12/31/2022
PDA SCBG FY 2022	Soil Microbes and Bean Nutrient in Organic and Conventional systems	Agreement Pending	$ 130,230.00	9/30/2022	6/30/2025
CA Healthy Soils Program	Role of Cover Crops to Build Soil Health in Vegetable Production Systems	Grant Agreement 22-1026-000-SG	$ 99,999.38	9/1/2022	3/31/2026
CA Olive Ranch	CA Organic Consulting	n/a	$ 5,000.00	1/1/2022	12/31/2022
CA SCBG FY 2022	Production of Short, Medium, and Long Season Specialty Crops in High-Residue, No-Till Farming Systems	Agreement Pending	$ 261,827.00	11/1/2022	4/30/2025
PDA RACP	Rodale Institute Science Center	Agreement Pending	$ 3,000,000.00	pending	pending
Heifer International	Holistic Grazing	n/a	$ 60,000.00	6/1/2022	6/30/2023
Veterans' Trust Fund	Veteran Farmer Training Program (VFTP)	DMVA-2022-078	$ 50,000.00	6/1/2022	5/31/2023
NEW Organic Valley FAFO	Nutritional Quality of Organic Feed Grain/Silage - Year 2	n/a	$ 30,000.00	7/1/2022	6/30/2023
Schuylkill Highlands/NLT	Signage and Benches	n/a	$ 4,700.00	7/22/2022	6/1/2023
NE SARE Partnership	Optimized Management Practices to Control Swine Parasites in Organic Pig Farms	ONE22-421-AWD00000495	$ 26,120.00	8/1/2024	2/29/2024
NE SARE Partnership	Application of Ultraviolet Light and MilStop to Restrict Powdery Mildew Infestation in Vegetable Greenhouses	SARE Project number: ONE22-413	$ 28,131.00	8/1/2022	3/31/2024
Oxo	California Organic Center Research and Consulting	n/a	$ 225,000.00	10/1/2022	9/30/2023