Perennial Impact Report 2020

Our Impact

100+ visionary farmers
along with 20 partnering organizations and dozens of food and beverage producers are all on the journey to a perennial future now featured on the newly launched Kernza.org

99 wild silphium plants
from 12 small remnant prairies, babied in our new greenhouse all year, have now been used by university researchers in Argentina, Germany, Kansas, Minnesota and Colorado

70+ people
in 18+ states actively participating in silphium and sainfoin civic science communities

53 global research partnerships
and growing

18 articles
authored or coauthored by The Land Institute researchers this year in peer-reviewed journals

5 durum perennial wheat derivatives
grown to prepare seeds for international trial

1 global pandemic
and 43 employees rooting down in our homeplace; connected in action and thought with our partners worldwide

---

About The Land Institute

Founded in 1976, The Land Institute (TLI) is a non-profit organization working to ignite a global reinvention of agriculture by developing diverse, perennial grain agroecosystems that produce ample food while achieving levels of ecosystem functions needed to make human life sustainable.

We envision a resilient future in which humans flourish as members of a thriving ecosphere. Achieving this future requires reconciling the human economy with nature's economy, and we believe focusing on food and how we produce it is a transformative first step. In this future, agriculture regenerates the soil, water, and air upon which all life depends. The agriculture we seek equitably provides for human needs within ecological limits over the long term.

The Land Institute is a nonprofit 501(c)(3) research and education organization funded by charitable contributions from individuals, organizations, and private foundations.

COVER: Kernza is harvested with a plot combine in a Land Institute research field that also includes alfalfa, a legume. The biculture plot is part of the institute's work to create perennial crops grown in mixtures, as we seek to incorporate the benefits of diversity seen in nature into a truly regenerative system of agriculture.

As the new Board Chair, I have the privilege of introducing this annual report. When I joined the board in 2014, I encountered the gargantuan task of elevating the work of The Land Institute beyond proof of concept to a scale of agricultural production that could transform how we grow healthy soils, foods, and communities. After all, Wes Jackson's vision for a Natural Systems Agriculture is arguably the most profound solution we humans have devised for the cascading crises we see in the world today.

During the intervening six years, I have seen Land Institute scientists make great strides in developing Kernza®, sanfoin, wheat, sorghum, and silphium in research plots in Salina and with our numerous collaborators around the world. We have moved from proof of concept into the ecological intensification of these crops by systematically intermixing legumes. Additional scientists have been hired to delve into the immense world of plant pathogens and soil microbial communities to underscore the complexity of ecological communities — even ones we can't see — of these systems of agriculture. At the same time, the board supported the creation of our Ecosphere Studies program to envision how human communities could learn to produce and be nourished by these new perennial crops in just, pluralistic societies that accept limits.

Natural Systems Agriculture is arguably the most profound solution we humans have devised for the cascading crises we see in the world today.

Here I pause to acknowledge the steadfast work Fred Iutzi did as our second president. Among his achievements, Fred promoted the integration of Ecosphere Studies with our scientific research. He also promoted our commercialization, or crop stewardship initiative, beginning with Kernza. We are grateful to Fred for his efforts.

Now under the leadership of Rachel Stroer as our Acting President, we face the question of how to scale up this work to greater influence the transformation of agriculture on a global scale. While working as Chief Strategy Officer, Rachel sought an answer in overseeing the first-ever strategic plan passed by the board. A core component of this plan is the creation of our global consortium of researchers known as the New Roots International initiative. Other efforts are described in this report.

From my perspective, these past six years have been incredibly dynamic and promise greater collaboration and advances in realizing our mission precisely because of your generous support whether as an advocate, volunteer, friend, collaborator, or donor. On behalf of the board, I wholeheartedly thank you!

With gratitude,

Ken Levy-Church
BOARD CHAIR
The Land Institute

White Paper Submitted to Federal Committee on Climate Change

The Land Institute was one of a handful of organizations asked to submit a white paper to the Bipartisan Policy Center to inform the House Select Committee on the Climate Crisis about the science of carbon sequestration in forests and soils. The Center was working to develop policy options related to this topic for its upcoming report. This opportunity allowed TLI to share its vision of the benefits of transitioning from annual to perennial agriculture with policy makers at a high level. The paper, *Perennializing Grain Crop Agriculture: A Pathway for Climate Change Mitigation & Adaptation,* can be found at: landinstitute.org/white-paper-soil-carbon-sequestration/.

Kernza.org Shares Resources Along the Supply Chain

On May 1, we launched a new online resource for Kernza® — Kernza.org. This journey began a decade ago when food brands began to imagine the ecological promise of a perennial grain like Kernza®, and the trademark was created. Over the last five years, we have cautiously accelerated Kernza® crop stewardship, and this website serves as an integrative resource for the many players along the nascent Kernza® supply chain. Here, we host the latest news and research, information on how to obtain seed and licensing, best growing practices, recipes, and more for farmers, brewers, restaurants, food product manufacturers, and the public. The site also provides a networking resource for researchers and potential collaborators to view and connect with other Kernza® partners.

Coalition Aims to Advance Agriculture by Supporting Research, Education, and Adoption of Kernza®

TLI is part of a multi-state coalition of researchers, farmers, educators, industry leaders, policy experts, and climate scientists recently awarded a shared 5-year, $10 million grant through USDA NIFA's Agriculture and Food Research Initiative's Sustainable Agricultural Systems program to scale the research, production, awareness and commercialization of Kernza®. The project, titled *Developing and Deploying a Perennial Grain Crop Enterprise to Improve Environmental Quality and Rural Prosperity,* seeks to transform U.S. agriculture production by developing the blueprint for systems to shift from annual row crop production that requires tilling and planting every year to perennial production. Led by a group at the University of Minnesota, the project involves demonstrating the viability of new perennial crops to improve environmental sustainability and create real economic opportunities for farmers and rural communities.

New Roots for Perennial Agriculture – Grad Fellows Workshop

In October 2019, a Perennial Agriculture Project Grad Fellows workshop was held to integrate early career researchers into TLI's international and intergenerational research community and long-term research goals. The 29 invited graduate students, post docs, and research residents joined Land Institute researchers and leaders as well as several collaborators in perennial agriculture. Workshop sessions started with a historical grounding, then field tours and presentations offered shared experiences in the present and updates about the current state of research. The program ended with discussions and talks looking outward and forward to the future of scaling work globally. Participants were able to share projects and results, connect with new colleagues, and learn about other exciting projects in the broader work to advance a natural systems inspired-agriculture.

Civic Science Initiative Launched

In collaboration with our scientific programs, Ecosphere Studies developed a civic science program as an integrative method for perennial agriculture research and outreach. Our civic science projects are designed to gather data across multiple locations for use in plant breeding and ecology, and to broaden and sustain public participation and social learning. Involving people from a wider spectrum of society in crop domestication may help drive cultural change and crop valuation from the grassroots.

TLI's civic science communities collaborate on growing, observing, studying, caring for, and learning with perennial grain crops-in-process. We send seedlings and start-up materials, then provide ongoing engagement opportunities through email, social media, webinars, and educational resources. Participants share photos, submit data, and complete surveys about their experiences. We now have more than 70 active participants across the U.S. in our perennial civic science pilot communities, growing both silphium and sainfoin, and we look to expand this experimental work.

Soil Carbon and Perennial Grain Crops Workshop

In September 2019, 20 researchers and policy makers gathered in Salina to discuss how perennial grain crops grown in high biodiversity could come significantly closer to pre-agriculture levels of carbon sequestration in the soil than any annual crop-based system. Making the case for more research to bring perennial grain crops fully to the field hinges on clear and accurate statements about their carbon sequestration potential. Overstating this potential risks distracting society from other necessary climate change mitigation strategies. Understating the potential denies society the opportunity to allocate resources to a genuinely consequential solution.

Land Institute Board Changes

TLI welcomed **Jill Isenbarger** to the Board of Directors. Jill, Chief of Staff at the United Nations Foundation, is former CEO of Stone Barns Center for Food and Agriculture in New York, an organization advancing sustainable agriculture and a culture of eating that can support it. Prior to Stone Barns, she served as Chief of Staff for The Nature Conservancy where she worked to advance climate change initiatives and developed an NPR series, *Stories from the Heart of the Land*. She has been a crucial advocate in support of ecosystem services and helped to develop the Forest Carbon Partnership Facility with the World Bank.

We are grateful for the many years of service of **Jan Flora** and **Nancy Jackson**, who recently left the Board.

TLI Strategic Plan Adopted

We believe our work is a critical part of improving food security, addressing climate change, and building community resilience on a global scale. In June 2020, the board approved TLI's first formal strategic plan to address the persistence of the long view and the urgency of quick action needed to address climate crisis. That plan includes four key objectives for the next 5-10 years to:

- **Intensify the core:** Align our operations for the next 40+ years by making sure we have the administrative and financial capacity to achieve our goals.
- **Ignite a movement:** Formalize the global research consortium to coordinate collaborative research and to equip members with tools and resources necessary for expanding this work.
- **Exemplify the vision:** Telling The Land Institute story in the decade ahead by clearly articulating our vision of perennial-based agriculture as our best shot at sustaining human life on this planet for generations to come.
- **Catalyze near-term perennialization:** Immediate action to increase resilience for plants and people. With our long-term vision comes the need for urgent decisive action; creating strategic alliances that help us advocate, communicate, and inspire a near term, just perennial transformation.

Perennial Crops

Kernza®

- 2020 marks an important milestone in Kernza® breeding, as the first variety targeted for use as an edible grain was released by the University of Minnesota, under the name Clearwater. The parents of this variety were developed by TLI and identified as particularly suitable for grain production in the Upper Midwest U.S. through years of research led by UMN wheat breeder Jim Anderson. At TLI, we are working to bulk up seed of new variety candidates that will be most suitable for the Great Plains. This year we combine-harvested four small plots, obtaining hundreds of pounds of seed from these variety candidates. We will expand testing of them with the intention of releasing a variety for on-farm production in the coming years.
- Our Kernza breeding program aims to increase grain yield, seed size, resistance to falling over in storms, and ease of cleaning and processing. Because breeding is inherently time consuming, we are leveraging the Kernza genome to accelerate progress. With traditional methods, many years of evaluation would be required to identify the best plants to intermate. With the new genomic selection program, we now use a mathematical model based on thousands of measurements taken over five years to identify outstanding plants when they are only two weeks old. This method is proving to be accurate, and we expect its benefits to expand as we work with collaborators to share data and refine the technique.

Perennial Wheat

- Durum derivatives have done very well this year in the field, with more robust and consistent regrowth than old perennial wheat cultivars or advanced lines. Tens of thousands of plants are still alive in the summer heat. From 4,760 head rows, we selected and harvested about 408 rows which appeared genetically stable. A few looked even better than the five advanced lines obtained last year. This means there will soon be many new materials, with greater perenniality, to test across the world.
- By comparing genome assemblies, we have identified 667 and 1,739 unique genes, present only in wheat or wheatgrass, which can be used to tell the presence or absence of chromosomes. This will give us more accuracy with higher confidence of traits, regardless of genetic diversity within species.

Perennial Oilseeds

- We located and collected new wild populations in Alabama and Mississippi. Genetic analysis at the U of Minnesota showed that plants from the American South harbor more genetic variation than our Western populations. We partnered with almost 40 members of our growing civic science network to grow out seed from previous collections. This seed will be shared with other breeders and prairie restorationists.

- We discovered and validated new individual plants capable of self-pollination, a rare trait, to help our collaborators in Fargo, ND begin to develop the inbred lines needed to develop hybrid varieties.
- The offspring of hybrids we made in 2015 with cup plant, *Silphium perfoliatium*, began to reveal exciting new combinations of traits from both species. Cup plant could share disease resistance, erect stalks, and large numbers of heads, while our improved lines contribute large, feminized heads and drought tolerance. Collaborators in Germany focus on cup plant as a tall, leafy biomass crop, while we focus on the oilseed potential of *Silphium integrifolium*. Some plants in the hybrid populations are shorter than either parent: genetic dwarfing is a trait we have long sought to reduce the tendency of plants in fertile conditions to grow tall and floppy. TLI has been hybridizing other silphium species in the hopes of generating additional genetic novelty in our breeding populations.

Perennial Sorghum

- We continue to pursue development of newly discovered diploid plants with the capacity, derived from the wild perennial *Sorghum halepense*, to produce rhizomes. (Diploid plants, with 20 chromosomes, are much more useful in breeding than our standard 40-chromosome perennial plants.) In 2018-19, we produced a single rhizomatous diploid plant. Now in the field and greenhouse, we have at least 25 such plants, with potential to generate even more, for a larger, more diverse gene pool.
- In March, Stan Cox transitioned into an Ecosphere Studies research fellow position. He continues to advise the sorghum program in collaboration with Pheonah Nabukalu, who relocated to Tifton, Georgia in December, and continues as a TLI research associate and University of Georgia visiting scientist. She has initiated perennial sorghum work there in cooperation with USDA and UGA scientists.

Perennial Legumes

- Through our research to develop dual-purpose intermediate wheatgrass (IWG) + alfalfa intercropping systems that produce both human-edible Kernza® perennial grain and saleable forage for livestock, we are finding important differences in how alfalfa varieties perform in the system. This suggests that breeding more compatible alfalfa varieties could be a viable strategy for improving the productivity and profitability of IWG+alfalfa intercropping, but more importantly, it highlights the need to support Kernza growers in choosing regionally appropriate and compatible alfalfa varieties when planting new fields.
- We expanded our efforts to domesticate sainfoin as a perennial pulse crop by establishing new breeding nurseries, starting a sainfoin civic science pilot project initiating sainfoin food science and toxicology research, and establishing new relationships with potential sainfoin seed growers and commercial partners.

Agroecology

Crop Protection Genetics

- Working closely with TLI breeders, we selected disease-resistant wheatgrass and silphium plants. Through sequencing, we identified a viral pathogen of silphium and designed PCR primers for its detection. New projects with collaborators at Washington State University, Kansas State University, and civic scientists were initiated to develop networks to research and control diseases in perennial crops.
- After traveling the Midwest to identify different ecotypes of silphium, we discovered that the disease resistance of silphium individuals depends largely on the region where they were collected and that some pathogens are more adapted to infect the plants from their own region.
- After making impressive progress in understanding how rust spores germinate, we designed a field inoculation trial to select resistant silphium plants when disease doesn't occur naturally.

Crop Protection Ecology

- We successfully managed *Eucosma giganteana*, the major silphium pest, in summer 2020 by trap cropping and applying nematodes in fall 2019.
- Data from year 1 of our Natural Resources Conservation Service project showed that silphium attracts greater pollinator abundance and diversity than Kernza®, alfalfa, or sainfoin, and its forage quality is greater than Kernza and comparable to alfalfa.
- We submitted five preproposals or proposals for national grants to the National Science Foundation and USDA.

Soil Ecology

- The ecology and legume breeding groups at TLI, along with eight other groups in the U.S. and Europe, have been working on intercropping Kernza with different legumes to reduce reliance on organic or synthetic nitrogen inputs. When planted simultaneously, the legume can rarely supply Kernza's nitrogen requirements in the near term; it generally takes 2-3 years for a legume like alfalfa to improve the fertility for the neighboring Kernza. In an attempt to get around this lag, we are working on a cropping system in which entire fields are planted in alfalfa as a forage crop for 2-3 years, and then strips of the alfalfa are removed with an undercutter implement and planted to Kernza. In small plots, Kernza has responded with very good productivity for four years with no other nitrogen inputs. We are now launching a larger scale experiment in which Kernza will be undercut or directly sowed with a no-till drill into a two-year alfalfa field. We will measure Kernza productivity in relation to soil nitrogen dynamics as well as greenhouse gas losses in the different treatments.

- As part of the University of Minnesota USDA CAP project (see pg 2), The Land Institute will initiate a study comparing numerous environmental quality indicators in a "business as usual" annual grain crop rotation with stands of perennial Kernza® and Kernza-legume intercrops. Measurements will include nitrogen leaching below the root zone, soil erosion, greenhouse gas emissions, water infiltration rates, and soil structure changes.
- Sixteen years ago, TLI agroecologist Jerry Glover initiated a set of long-term cropping treatments that included Intermediate wheatgrass (the progenitor of Kernza), and an annual rotation of wheat, soy, and sorghum. This year we evaluated differences in soil organic carbon between the treatments and found that the wheatgrass sequestered approximately one ton of carbon/hectare/year more than the annual rotation. These are some of the first field measurements demonstrating the soil carbon sequestration potential of Kernza.

Ecosphere Studies

- Ecosphere Studies moved in new directions to challenge, educate, and inspire people with ideas of perenniality and diversity. We organized workshops on an "Agroecological Worldview in Action" at Huston-Tillotson University in Texas and on "Cultural Transformation for the Perennial Good" at the Esalen Institute in California. Back home, we opened TLI's Marty Bender Nature Area to the public as a way to build community, and we made a Perennial Practice video series to translate workshop activities into open-access learning materials.
- Stan Cox joined us as a research fellow, focusing on ecological limits and the energetics of human society. His book, *The Green New Deal and Beyond: The Road from Climate Emergency to Ecological Reality,* was published in May. Wes Jackson and our collaborator Robert Jensen both completed manuscripts for new books that will be published in 2021, featuring Wes's stories and his key ideas about agriculture, society, and ecology.

Crop Stewardship

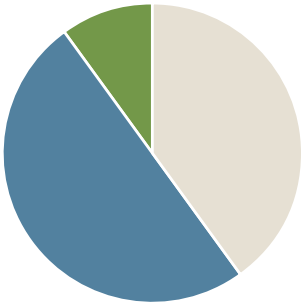
- Crop Stewardship (previously called commercialization) focuses on stewarding perennial grains onto the landscape and includes work in start-up supply chains, public interest and awareness, economic and culinary valuation, and stakeholder communities through participatory research. We bring these crops into fields and onto forks for a maximum positive impact on the world—to feed humans equitably for the longest period of time within the ecological limits of the planet.
- Sophia Skelly joined us as an intern and is now a research resident, co-advised with Ecosphere Studies to build grower networks—evaluating community readiness for perennial grain adoption, developing market research surveys, and preparing harvest reports.

Summary Statement of Financial Position

YEAR ENDED JUNE 30, 2020

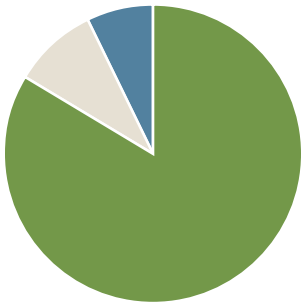
	FY 2019	FY 2020
Assets	17,213,465	18,271,506
Liabilities	(1,228,413)	(1,765,162) *
Net Assets	**15,985,052**	**16,506,344**

Revenue w/Management Adjustments



Individuals | 39.78%	2,298,134*
Foundations | 49.52%	2,860,600
Other Revenue | 10.70%	618,054
TOTAL	**5,776,788**

Expenses



Programs | 83.79%	4,403,812
Fundraising | 8.57%	450,084
Management | 7.64%	401,600
TOTAL	**5,255,496**

*Management adjusts revenue recognized during the fiscal year under ASU 2018-08 to align with the fiscal year in which it will be budgeted and expensed. Revenue from Individuals per audit is $2,798,134. Amount shown above of $2,298,134 includes a ($500,000) management adjustment. The management adjustment is also reflected as an increase to liabilities.

LEADERSHIP

AS OF 6/30/20

Fred Iutzi PRESIDENT (TO 6/30/20)

Rachel Stroer
CHIEF STRATEGY OFFICER (TO 6/30/20)
ACTING PRESIDENT (7/1/20)

Amy Cole DIRECTOR OF DEVELOPMENT

Tim Crews DIRECTOR OF RESEARCH

Chris Pembleton DIRECTOR OF ADMINISTRATION

Aubrey Streit Krug DIRECTOR OF ECOSPHERE STUDIES

Wes Jackson PRESIDENT EMERITUS

BOARD OF DIRECTORS

AS OF 6/30/20

Pete Ferrell Beaumont, KS
CHAIR

Ken Levy-Church Sag Harbor, NY
VICE CHAIR

Fred Iutzi Salina, KS (TO 6/30/20)
Rachel Stroer Austin, TX (7/1/20)
PRESIDENT/ACTING PRESIDENT

Jan Flora Ames, IA
SECRETARY

Brian Donahue Weston, MA

Sam Evans Chicago, IL

Ruth Anne French-Hodson Kansas City, KS

Julia Olmstead St. Paul. MN

Lennart Olsson Lund, Sweden

Ricardo J. Salvador Washington, D.C.

Corey Samuels San Diego, CA

Selected Publications and Presentations

Publications

The Green New Deal and Beyond: Ending the Climate Emergency While We Still Can | Cox, Stan. Book published by City Lights, 5 May 2020. For reviews, see *Kirkus* and *Resilience*.

Enhancing Crop Domestication Through Genomic Selection, a Case Study of Intermediate Wheatgrass | J. Crain, P. Bajgain, J. Anderson, X. Zhang, L. DeHaan, J. Poland | 2020 | *Frontiers in Plant Science* 11: 319. doi:10.3389/fpls.2020.00319.

Digging Deeper for Agricultural Resources, the Value of Deep Rooting | K. Thorup-Kristensen, N. Halberg, M. Nicolaisen, J.E. Olesen, T.E. Crews, P. Hinsinger, J. Kirkegaard, A. Pierret, D. Bodin Dresboll | 2019 | *Trends in Plant Science* https://doi.org/10.1016/j.tplants.2019.12.007.

Transmission Genetics of a Sorghum bicolor × S. halepense Backcross Populations | W. Kong, P. Nabukalu, T.S. Cox, V.H. Goff, G.J. Pierce, C. Lemka, J.S. Robertson, R. Compton, A.H. Paterson | 2020 | *Front Plant Sci* 11:467. https://doi.org/10.3389/fpls.2020.00467.

Morphometric Approaches to Promote the Use of Exotic Germplasm for Food Security and Resilience to Climate Change: a Kura Clover Example | B. Schlautman, L. Diaz-Garcia, S. Barriball | 2020 | *Plant Science* 295 110415.

Ecospheric Care Work | Streit Krug, Aubrey | 2020 | *The Ecological Citizen* 3: 1 April 2020.

Envisioning Perennial Agroecosystems in Palestine | O. Tesdell, Y. Othman, Y. Dowani, S. Khraishi, M. Deeik, F. Muaddi, B. Schlautman, A. Streit Krug, D. Van Tassel | 2020 | *Journal of Arid Environments*. https://doi.org/10.1016/j.jaridenv.2019.104085.

Food Crop Domestication in the Age of Gene Editing: Genetic, Agronomic and Cultural Change Remain Co-Evolutionarily Entangled | D. L. Van Tassel, O.I. Tesdell, B. Schlautman, M.J. Rubin, L.R. Dehaan, T.E. Crews, A. Streit Krug | 2020 | *Frontiers Plant Science* 11: 789.

Fungal Community Shifts in Soils With Varied Cover Crop Treatments and Edaphic Properties | M.L. Cloutier, E. Murrell, M. Barbercheck, J. Kaye, D. Finney, I. García-González, M.A. Bruns | 2020 | *Scientific Reports* 10(1):1-14.

Roadmap for Accelerated Domestication of an Emerging Perennial Grain Crop | L. DeHaan, S. Larson, R. L. López-Marqués, S. Wenkel, C. Gao, M. Palmgren | 2020 | *Trends in Plant Science* 25: 525-537. https://doi.org/10.1016/j.tplants.2020.02.004.

Presentations

NOVEMBER 2019

Caring for the Ecosphere *Presented by Aubrey Streit Krug* | Invited public keynote, Green Lands Blue Waters 2019 Conference | MINNEAPOLIS, MN

Caring for the Ecosphere *Presented by Aubrey Streit Krug* | Invited public keynote, Down to Earth: Nourishing Change in the Champlain Valley, Middlebury College | MIDDLEBURY, VT

FEBRUARY 2020

Breeding Food Security in an Era of Rapid Climate Change *Presented by Wes Jackson* | Darwin Week, College of Charleston | CHARLESTON, SC

FEBRUARY 2020

Is the Future of Agriculture Perennial? Perennializing Our Grain Crops and Cropping Systems *Presented by Brandon Schlautman & Spencer Barriball* | Invited Presentation, Iowa State University | AMES, IA

MARCH 2020

Perennial Wheat: Potential in the Southern Great Plains *Presented by Shuwen Wang* | New Mexico State University | LAS CRUCES, NM

MARCH 2020

Domestication of Thinopyrum intermedium as a New Perennial Grain. Accelerated Domestication of Orphan Crops and Wild Plants *Presented by Lee DeHaan* | Accelerated Domestication of Orphan Crops and Wild Plants meeting | COPENHAGEN, DENMARK

MARCH-JUNE 2020

Food and Agriculture Organization of the UN (FAO-Rome) Technical Webinar Series:

- **Development and Commercialization of Kernza Perennial Grain** *Presented by Lee DeHaan & Tessa Peters* March 5
- **Perennial Grains Promise to Enhance Key Ecosystem Services** *Presented by Tim Crews* May 7
- **Insects of Perennial Oilseeds: Challenges and Opportunities** *Presented by Ebony Murrell* June 18

MAY 2020

Rapid Development of Perennial Grains to Build Soil Carbon *Presented by Lee DeHaan* | Plant Carbon Drawdown Symposium, The Salk Institute | LA JOLLA, CA

AUGUST 2020

Keeping Roots in the Ground: Promise of Perennial Grains *Presented by Tim Crews* | Seminar for the "Day of the Root," Deep Frontier Project, University of Copenhagen | ONLINE

Hope the world needs, rooted in science.

As the world around us unfolds in unprecedented ways, the work of The Land Institute has never been more necessary. Our development team is committed to a bold vision and intentional strategy, and we are honored to help move this work forward. With travel at a bare minimum and our sense of social responsibility high, we are creating new ways to raise the funds necessary to support The Land Institute. You will see more mailings, we are on the telephone more, we've launched countless online engagement pieces, and there is still more to come.

As urgent and critical as this work is, it demands the best we can bring to it each day. We are inspired by the many stories of perennial grain advancement both in local neighborhoods and across the global community. These stories would not be possible without the partnership, generosity, and dedication from partners like you, and for that, we are deeply grateful. We ask that you continue on this journey of perennial promise with us through advocacy, education, and donations. We believe that this work offers the hope that our world needs, rooted in science.

THE LAND INSTITUTE

2440 E. Water Well Road
Salina, KS 67401

(785) 823-5376

info@landinstitute.org

Stay Engaged!

landinstitute.org

@natureasmeasure

/TheLandInstitute

The Land Institute

@thelandinstitute

SUBSCRIBE TO ENEWS

Get the Scoop! Sign up on the home page of our website.

GET THE LAND REPORT

The Land Report magazine is published tri-annually and mailed to donors who contribute a minimum of $50 per year.

SAVE THE DATE

Prairie Festival

September 24-26, 2021

Featuring some of the world's most compelling authors, thinkers, artists, and advocates focused on agriculture, the environment, science, sustainability, and social and environmental justice.