

BREADFRUIT INSTITUTE

SPRING PROGRESS REPORT | 2017



The National Tropical Botanical Garden (NTBG) is dedicated to tropical plant research, conservation, and education. NTBG's Breadfruit Institute (www.breadfruit.org), established in 2003, is the global leader in efforts to use breadfruit diversity to support food security, regenerative agriculture, and income generation for smallholder farmers in the tropics. The Breadfruit Institute manages the world's largest collection of breadfruit, vital to research, conservation and education. More than 300 trees of 150 varieties make up a living germplasm repository.

Since the launch of the Global Hunger Initiative, 97,242 breadfruit trees have been sent to 43 countries.

Global Hunger Initiative Growing Roots Around the World

The Breadfruit Institute and partners worldwide are engaged in an initiative to respond to critical

global food security and reforestation issues by expanding plantings of good quality breadfruit varieties in tropical regions.



Antigua & Barbados



Zambia



Cuba

Breadfruit Institute's Agroforestry Project



Kosrae Agroforest

The Breadfruit Institute is excited to receive a Patagonia Environmental Grant. This funding will be used to help develop agroforestry models and certification protocols, provide training in agroforestry design and management, install demonstration plantings centered on the Breadfruit Research Orchard in the McBryde Garden on Kauai, and engage small holder farmers and others in learning about regenerative agriculture and breadfruit agroforestry.

McBryde Garden Breadfruit Research Orchard Mulching Project



The Breadfruit Institute's Collection Manager, Dan Rudoy, Navy personnel, trail maintenance specialists, and NTBG's garden crew came together to help apply mulch, organic fertilizer, and water to 29 breadfruit trees in the

research orchard. The application of mulch and fertilizer helps to improve soil conditions and provide essential nutrients for healthy growth and fruit production. With this tremendous help, the project was completed in a day. The trees are showing signs of improved health and vigor and sending out scores of new flowers and fruit.



Public Outreach with the Breadfruit Institute and the Youth Pa'ia & Cultural Center

Pa'ia Youth & Cultural Center's Malama Pono Project Venture program visited the Breadfruit Institute at Kahanu Garden. Dan Rudoy and BFI's Lead Volunteer, Dave Hubbard, facilitated the project. The youth had amazing experiential learning sessions through breadfruit harvest and orchard maintenance. This 2-day adventure also involved a workshop with Dave, a

bodyboarding professional. Educational outreach events are essential in reaching younger audiences to associate breadfruit with our mission of food security and sustainability.



Following-up with the Plant A Tree Of Life Project



Marin Lysák, a PhD Fellow at the University of Copenhagen, is conducting research to investigate options for adapting to the negative effects of climate change on food and nutrition security by increasing crop diversity through revitalizing breadfruit. She analyzed three years of data collected from our Plant a Tree of Life project, and initiated a program to follow up with more than 1,200 breadfruit tree recipients in Hawai'i. Marin's follow up with the project's impact on sustainability and future food security in Hawai'i continues through frequent announcements on our social media and phone calls to breadfruit recipients on a monthly basis.

Sample survey comments

"Thank you for promoting breadfruit. It can help Hawaii to be less dependent on imported food." (Year 1)

"Good project. Gave trees to a nephew who had the resources (yard, sunlight, and irrigation) to accommodate trees for many many years. Good of you to follow up." (Year 2)

"Thank you!!! We love what you're doing and want to help share and grow with you and our community!!! Blessings and Gratitude." (Year 3)

Breadfruit Institute on Television

The broadcast premiere of the documentary "The Roots of 'Ulu" aired on PBS Hawai'i. The film includes Dr. Diane Ragone, Director of the Breadfruit Institute, footage of the Breadfruit Research Orchard in McBryde Garden, the National Tropical Botanical Garden nursery, and much more.



Please help support the Work of the Breadfruit Institute and the Global Hunger Initiative by making a donation at:
ntbg.org/breadfruit/donate



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