



Kaulunani Application Form
MĀMAKILEVEL
Urban and Community Forestry
Grant Program

Please type. This page must be the first page of your application packet.

(For office use only)

Grant#:

Date Postmarked:

Example Application
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Applicant Information

Organization Name:	Mālama Kaua'i		
Federal Tax ID #:		501(c)3 status:	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
Contact Person - (All correspondence will be directed to this contact.)			
First:		Last:	
Title:			
Mailing Address:			
Physical Address of Project if different:			
City:	Kilauea	State:	HI Zip: 96754
Daytime Phone:		Fax Number:	
E-Mail Address:			
Website:	www.malamakauai.org		

If awarded a grant, check should be made out to: **Mālama Kaua'i**
(If address is different from above provide correct address.)

Project Information

Island:	Kaua'i & Moloka'i	Project Category:	Health & Wellbeing / Education & Outreach
Project Title: (10 words or less):	Canoe Plant Tree Giveaways for the Health & Resiliency of the Lahui		
Project Description: (50 words or less):	The Canoe Plant Giveaways' purpose is to provide traditional canoe plant trees to be used as a food source to those within the Department of Hawaiian Homelands and Kanaka Maoli communities across two islands. We aim to provide access to, and education of, various canoe plant trees intended to build upon community and environmental health, well being, resiliency, and food security for Kaua'i and Moloka'i's futures.		
Start Date:	October 2019	Completion Date:	May 2020

Financial Information:

Funds Requested	\$ 14,500.00
Total Cash Match	\$
Total In-Kind Match	\$ 14,974.20
Total Amount of Project	\$ 29,474.20

Signature of Agreement

I certify that the information contained herein is accurate. I further certify that I have read and understand, and agree to be bound by the grant guidelines and comply with the Title VI of the Civil Rights Act of 1964.

7/30/19

Signature of Authorized Representative

Date

Name and Title of Authorized Representative (Please print or type)

Grant Applicant: Mālama Kaua'i

Budget Prepared By: Jillian Seals, Village Harvest Program Manager

Phone: (808) 823-0685 x20

This itemized budget shall include the costs to carry out the proposed project. Costs shall be as specific as possible and shall only include eligible expenses as set forth in the Cost Guidelines. The total funds requests must be matched by non-federal funds as outlined in the Program overview. (Attach additional sheets if necessary.)

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Item For Plants Include Common and Botanical Name	Container Size	WRA Score	Unit Cost	Total Cost	Grant Request	Matching Cash	Matching In-Kind	Source of Matching Cash/ In-Kind Contributions
Staffing & Project Management Costs								
Project Administration				2500			2500	Mālama Kaua'i
Anahola, Kaua'i Site Planning & Execution - Staff, [REDACTED] hrs @ [REDACTED] hr				[REDACTED]	[REDACTED]		[REDACTED]	Mālama Kaua'i
Anahola, Kaua'i Site Planning & Execution - Volunteers, [REDACTED] hrs @ [REDACTED]				[REDACTED]			[REDACTED]	Kalalea Anahola Farmers Hui
Anahola, Kaua'i Tree Education Sessions - Volunteers, [REDACTED] hrs @ [REDACTED]				[REDACTED]			[REDACTED]	CTAHR / Kaua'i Master Gardeners
Molokai Site Planning & Execution - Staff, [REDACTED] hrs @ [REDACTED] hr				[REDACTED]	[REDACTED]		[REDACTED]	Sustainable Molokai
Molokai Site Tree Education Sessions - Volunteers, [REDACTED] hrs @ [REDACTED]				[REDACTED]			[REDACTED]	CTAHR
Supplies & Materials Costs								
Kaua'i:								
Compost, 10 yards, including delivery			62.5	625	625			Heart & Soul Organics
'Ulu Trees (Breadfruit) - 111 units (plus \$500 shipping)	2 gal	-12	35	4385	3275		1110	Mala Kalu'ulu Cooperative
Ōhi'a 'ai Trees (Mountain apple), Maly Red - 50 units	1 gal	0	25	1250	1000		250	Kamalu Farm, LLC
Ōhi'a 'ai Trees (Mountain apple), White - 25 units	1 gal	0	25	625	500		125	Kamalu Farm, LLC
Noni (Indian mulberry) - 25 units	1 gal	10	20	500	250		250	Kokio'ula Nursery
Niu Trees (Coconut) - 25 units	5 gal	-4	50	1250	1000		250	Aloha Organics
Air-layered & potted trees from MK farm - 50 units, mixed 'Ulu & 'Ōhi'a 'ai	1 gal		35	1750			1750	Mālama Kaua'i
Molokai:								
Organic fertilizer, bagged & distributed - 5 bags	50 lbs		40	200	200			Hikiola
'Ulu Trees (Breadfruit) - 200 units	2 gal	-12	35	7000	5000		2000	Mala Kalu'ulu Cooperative
Ōhi'a 'ai Trees (Mountain apple), Maly Red - 50 units	1 gal	0	15	750	250		500	Mala Kalu'ulu Cooperative
Shipping costs from nursery to Moloka'i				1000	1000			
TOTAL			342.5	29474.2	14500	0	14974.2	

Canoe Plant Tree Giveaways for the Health & Resiliency of the Lāhui
A Partnership for Kauaʻi & Molokaʻi

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I. Background Information

A. Organization:

This project is a collaborative effort brought forth from the Hawaiʻi Good Food Alliance (HGFA). HGFA is a state-wide diverse Hui of organizations and leaders working collectively to re-build thriving community food systems as a foundation for health and social justice. We join together—with a sense of urgency—to raise community voice and to support one another in the belief that every person in Hawaiʻi can share in the access of healthy, locally produced food.

Key partners for this project include:

Mālama Kauaʻi - Founded in 2006, Mālama Kauaʻi (MK) is a community-based, 501(c)3 nonprofit organization that focuses on advocating, educating, and driving action towards a sustainable Kauaʻi. In the last few years, MK has honed its focus on increasing local food security, consumption and production, as well as building community capacity and growing interest in sustainable tourism. MK considers the interrelatedness of all issues and the need for a holistic approach, with a focus on three primary areas: ʻĀina, Community, and Culture. Their programs include the 8-acre Kalihiwai Community Farm, Kauaʻi Ag Internship Program, Kauaʻi Farm-to-School Hui, Mahiʻai Technical Assistance Program, and others. Through this project, MK will be focusing on serving the Anahola DHHL community on Kauaʻi (which is comprised of both residential and agricultural lots) along with managing the project administration as they have received this grant in the past.

Sustainable Molokai - Founded in 2010, Sustainable Molokai (SM) is a community-led, 501(c)3 nonprofit organization whose mission is to restore ʻāina momona (abundance) for the island of Molokai. One of their primary areas of focus is their Food Sovereignty Program, through which they aim to increase local food production, increase local food consumption, and connect that supply and demand through our Food Hub and Mobile Market. They also run a Farm to School that supports school gardens, provides nutrition education, and procures local food for school meal programs, including being the primary vendor for the Fresh Fruit and Vegetable Program.

B. Federal Funding Recognition:

We commit to ensuring that no person is subject to prohibited discrimination in programs and activities funded in whole or part by the USDA based on race, color, national origin, gender, religion, age, disability, political beliefs, marital or family status, income or because of receipt of public assistance.

II. Project Description

A. Purpose:

The Canoe Plant Giveaways' purpose is to provide traditional canoe plant trees to be used as a food source to those within the Department of Hawaiian Homelands and Kanaka Maoli communities across two islands. We aim to provide access to, and education of, various canoe plant trees intended to build upon community and environmental health, well being, resiliency, and food security for Kaua'i and Moloka'i's futures.

B. Project Objectives & Forest Action Plan (FAP) Strategies:

The project objectives and Forest Action Plan (FAP) align closely with several strategies. By educating the community and distributing the selected trees, these strategies include:

- **Health & Well-Being:** This project demonstrates a long-term investment to help improve the health and wellbeing of Kaua'i and Moloka'i Kanaka Maoli communities through increased access to culturally-relevant food and medicine. The trees from this giveaway will produce *millions* of pounds of food for these communities in their maturity, specifically foods that are healthy for native diets and produce a diverse set of nutrients. This is especially critical on Moloka'i, where no fruit tree nurseries are present, making access to food trees vastly unaffordable for communities.
- **Education & Outreach:** Through the giveaway events, we will be providing education and outreach to the targeted communities that will enhance their understanding of proper tree planting and care, as well as cultural and health importance of selected trees. We will also touch upon propagation of the trees to encourage proliferation and expansion of tree propagation in the community. CTAHR will provide take-home materials for participants on the trees distributed for continued knowledge transfer.
- **Climate Change:** Investment in storm-resilient, climate change-tolerant, endemic trees to boost the resilience and security of these communities' food systems during times of changing climate is crucial. Indigenous communities are often the ones who suffer from climate change impacts, and the amount of trees planted also assist in mitigation efforts by carbon offsetting.

C. Project Need:

Distribution and education of canoe plant trees into the communities within the Department of Hawaiian Homelands (DHHL) areas fulfills many needs for the people and the 'āina. As our Islands have seen some of the most dramatic weather and geological activities over the last few years, it is important to note that many of the areas most affected by these dramatic results of climate change, are those that make up DHHL. By providing easier access to, and integration of, traditional canoe plant trees into these communities, the future will see an increase in the reestablishment of Hawaii's community forests. Such actions will also allow residents to adapt to the eminent increase of extreme changes in climate and the environmental & cultural impacts that follow such events.

Establishment of urban forest with-in the Hawaiian Islands will have dramatic positive effects. Implementation of these living systems over time, minimizes erosion and mineral depletion

thus, providing a means to help restore our Islands' already degraded lands and soils. Other long term benefits with the reintroduction of these plants, will help to control invasive species. A healthy shade canopy decreases growth rates for less desirable plants while also providing habitats for birds, insects and other wildlife. Shade canopies, in the long term, serve as a means for major reductions in the cost and total amount of consumable energy that come from precious and limited natural resources in these incredibly hot communities.

Overall, air and water quality can be improved through these efforts by lessening dispersion of sedimentary runoff. In planting more canoe plant trees, we will see a reduction in sediment buildup upon or within near-shore coral reefs, located in and around the coastal areas within DHHL. Reimplementation of urban forests in and along these coastal regions, can ultimately reduce the impacts of fragmentation, land-use change, and urbanization on the forest landscape.

The benefits in regard to the health and well-being of the re-establishment of urban forest throughout these communities in the long-term, are considerable. For example, the increase of fruit trees in a specific area will reduce the negative impacts of urbanization through beautification and abundance. Planting more trees in low-income neighborhoods and communities will assist in shifting focus towards improvements in areas where social inequalities otherwise occur. Equal access to fresh food and cleaner air provided by plantings of canoe plant trees have immense benefits to the health and well-being of these communities, and their cultural grounding.

Rebuilding of Urban Forest within these communities will assist to mitigate and help individuals adapt to the effects of long term climate change, by creating security and resilience from catastrophic events. Such implementations can help these communities gain a better understanding of the best suited trees and plants for increasing climate changes. In turn, implementation of urban forestry, education and community outreach can also create benefits by bettering emergency management systems through established food sources, while also providing food security in the long term, thus improving the overall health and well-being of these communities at large.

D. Project Activities:

The project activities the two organizations will undertake for the tree education and giveaway days include: purchasing well established, canoe plant trees from in-state resources; engaging the community through marketing, outreach and partner collaboration; delivering education and instruction in tree care practices for long term success of the trees; and distributing 536 sapling canoe plant trees to community members to plant at home.

Integration of canoe plant trees will primarily focus on bringing cultural and practical significance of these species as food sources, medicinal purposes and as for use as versatile cultural resources (i.e weaving & crafting). The four canoe plants that will be purchased to provide for low-income neighborhoods and communities are 'Ulu (breadfruit), Ōhi'a 'ai (mountain apple), Noni (indian mulberry), and Niu (coconut). The canoe plants chosen for this project are those that reflect resilience to these project areas with respect to climate change, temperature, rainfall, inundation, ect.

We intend to create community engagement and other project activities through local marketing campaigns such as electronic flyer dissemination, providing an online resource base for informational material, and to develop partnerships to initiate and increase public interest to the community of the benefits to the ecosystem that the reestablishment urban forests these trees can provide. Finally, in conjunction with our partners, we will provide education regarding tree species, their uses and proper cultivation and management strategies in the form of a workshop on the day of the tree giveaways.

Collectively, Mālama Kaua'i and Sustainable Moloka'i will select a date for the event and promote the event between the two Islands. Community members wishing to take part in this event will be encouraged to participate and RSVP for a workshop presentation about the selected tree varieties, to include their benefits along with best management practices to ensure the trees' longevity. Upon the completion of the workshop, event attendees will be able to select trees that they wish and bring home to plant (distributed based on the # of workshop attendees). Free compost or fertilizers and consultation (one-on-one along with printed resource material) will be available for take home and during the event.

E. Partnership and Participants:

This project aims to support Department of Hawaiian Homelands lessee and Kanaka Maoli communities across two rural islands in providing education and canoe plant trees for the establishment of increased tree cover and food resources within communities.

On Kaua'i, we will be primarily focusing on the Anahola area DHHL homesteaders and ag lot lesees, of which there are approximately 3,000 residents. Partners for this project include:

- **Kalalea Anahola Farmers Hui:** the farming organization representing Anahola Ag Lot lessees with over 70 members; they will host the giveaway and education sessions at their Clubhouse center in Anahola and assist with marketing and outreach efforts in the community
- **CTAHR Cooperative Extension Services:** will provide extension agent and Master Gardener support to lead the tree workshop
- **Vendors:** We kept our vendors local whenever possible, with 3 out of the 4 of our tree providers coming from within the same moku

On Molokai, the total population is 8,000 with 62% of residents being Kanaka Maoli; special effort will be given to advertising to the DHHL lessee community. Molokai partners include:

- **Hawaii Tropical Fruit Growers - Molokai Chapter:** will provide marketing support and day-of-event organizational support
- **CTAHR Cooperative Extension Services:** will host the event at their farm facility (University of Hawaii Maui College Farm/CTAHR Applied Research Farm), provide marketing support, and staff support at the event, as well as, be an educational resource for the workshop for the participants

F. End Product/Result:

Our anticipated goal is to educate hundreds of attendees on both islands on tree planting, as well as the cultural and environmental importance of canoe plants through printouts of regional fruit facts and information on how to care for a tree and proper management strategies delivered in-person prior to tree giveaways. We will then distribute 536 culturally important canoe plant trees in indigenous and low income communities targeting Department of Hawaiian Homelands residents, thus providing an estimated 443,200 of pounds of food (approx. 222 tons annually!) within the next 5 years for these communities. This calculation is based upon the average fruit weight and production value of each tree:

- Ohia'ai - average fruit weight 2-4 oz. each, produce thousands of fruit annually, are quick growing up to 50-60 feet when properly pruned, set fruits in the first 5 years after germination or within the first year, if grown by airlayer. (Est. Annual Production: 200 lbs; with ~150 trees that's 30,000 lbs. annually at full maturity)
- 'Ulu - average fruit weight 3-5 lbs produce hundreds of fruit 2x annually are quick growing and bear fruit within 3-5 years after germination. Trees grow quickly up to 80+ depending feet when properly pruned setting fruits in the first 3-5 years after germination or with in the first year if grown by airlayer. (Est. Annual Production: 1,200 lbs; with ~336 trees that's 403,200 lbs annually at full maturity)
- Noni - fruit bearing with in the 1st year after propagation with each tree yielding hundreds of fruit, well regarded for their medicinal value. (Est. Annual Production: 200 lbs; with ~25 trees that's 5,000 lbs annually at maturity)
- Dwarf Ni'u - heavy bearing trees 5 years after propagation, most trees bear uniform fruits and can average 1 quart of coco water per nut. (Est. Annual Production: 200 nuts, ~25 trees, that's 5,000 coconuts annually at maturity)

III. Timeline

A. Project Timeline: October 2019 to March 2020

Quarter	Tasks / Activities	Party Responsible
October 2019	Finalize all grant paperwork Order trees	MK MK, SM,
November/December 2020	Plan event details, schedule, presentations, handouts, etc.	MK, SM, Partners
December 2019	Begin promoting events	MK, SM, Partners
January 2020	Prepare event sites	MK, SM, Partners
February 2020	Launch and execute events	MK, SM, Partners
March 2020	Report on events	MK, SM,

MK = Mālama Kaua'i

SM = Sustainable Moloka'i

Example Application
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July 12, 2019

Re: Mālama Kaua'i's Tree Giveaway project application



Aloha,

We are pleased to write a letter in support of Mālama Kaua'i's Tree Giveaway project application.

Kalalea Anehola Farmers Hui is a nonprofit organization of DHHL Ag Lot Lessees in Anahola homestead lands and the surrounding areas, comprised of 57 members. We also host Hawaiian style farmers market highlighting locally grown produce and products by our membership twice per week.

Mālama Kaua'i has helped our organization to obtain two different grants to date through their technical assistance programs, helping us to expand our farmers market and business center for members. We look forward to continuing our relationship by assisting area residents to plant more trees in our community for climate change and health reasons.

We commit to helping to organize the Tree Giveaway event to our DHHL ag lot and homestead lessees by assisting with planning, hosting the giveaway event at our Farmer's Market, and helping to lead the day's activities. We estimate this will include approximately [redacted] hours of volunteer time provided in-kind by our membership, with a value of [redacted] per hour this equates to our contribution to the project at \$1,068.80.

Mahalo for your sincere consideration of this request. We strongly advocate for investment in this project for our Anahola community, so we can make further advancements to return to a healthy food and land system. Should you have any questions or concerns please don't hesitate to reach out to me at [redacted]

Mahalo Kakou,

Aunty Aggie Marti-Kini
KAF Hui President