

## Hawaii Agricultural Foundation Summary

**Mission:** To support and sustain Hawaii's agricultural industry.

**Category:** Employment education and training

**Contact:** Liz Stanton-Barrera, Education Programs Manager

**Address:** 3538 Waialae Avenue, Suite 203, Honolulu, HI 96816

**Grant History:** N/A

<b>2022 Request:</b>	<b>\$25,000 for general operating support</b>
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**Notes:**

- Educational programs for third graders in 10 public school classes on Oahu to model agricultural careers by growing sweet potatoes from seed to market.
- Learn restorative farming practices to develop sustainable soils for future agricultural growth.
- Provides educational programs to 150 public and charter schools across the entire state. Age-specific training for grades 1-12.
- Ultimate goal is to create broadened awareness of agricultural careers.



Laurence H. Dorcy Hawaiian Foundation Grant

**Proposal Narrative**

**Hawai'i Agricultural Foundation**

**S.O.I.L.**

(Sustainability, Observations through Investigative Learning)

Agricultural Education Program

**June 1, 2022 – May 30, 2023**

Organization Name and Mission Statement:

The **Hawai'i Agricultural Foundation (HAF)** is a non-profit charitable organization created to promote agriculture and farming. Created in 2007 (initially as The Hawai'i Farm Bureau Foundation for Agriculture, and renamed The Hawai'i Agricultural Foundation in 2007), the mission of HAF is to support and sustain Hawai'i's agricultural industry by addressing critical needs and services of farmers and the industry, by better connecting farmers with the community and vice-versa. This involves educational and outreach programs in the community, as well as direct marketing, technical, educational and in-the-field support for farmers.

In line with the State of Hawai'i's 2050 Sustainability Plan, HAF aims to address the need to increase local food production and garner greater overall community support for local agriculture. The goal is to mitigate the dwindling agricultural workforce by building a pipeline of qualified individuals with the relevant skills to succeed in an agricultural-based enterprise. Through K-12 ag education, students begin to foster an appreciation for agriculture at the earliest stages of development, and gain interest in exploring an ag-related career. HAF's farmer support and outreach initiatives work to facilitate a deeper understanding of agricultural best practices to help create a robust, local agriculture industry.

Request:

HAF is requesting \$25,000 from the Laurence Dorcy Hawaiian Foundation to develop and pilot its agriculture education program, **S.O.I.L.- Sustainability, Observations through Investigative Learning** with ten (10) 3<sup>rd</sup> grade classes on the island of Oahu. Through S.O.I.L., students explore restorative agricultural practices for the sustainability of native plants (*uala*/sweet potato) while modeling ag careers at every step in taking a plant to a product. With the support of industry partners in restorative agriculture, students begin the process with seed germination to grow seedlings in their classroom raised garden bed with the focus on soil health. Students analyze local soil health and incorporate compost, vermicast (worm compost), and organic fertilizer into their raised classroom garden. Seedlings are then transported and planted by students to an ag research farm. Students monitor growth and record observations via webcams. Mid-point growth, observations, and inquiries on restorative practices are conducted virtually with students and ag professionals through a video conference. Once the plants are mature,



students return to the research farm to see the firsthand effects of restorative practices. Students then harvest the native plant (*uala*/sweet potato) and utilize it as an ingredient for a class-created recipe. Participating class recipes will be collected along with written information on the plant and restorative process and compiled into an informational booklet which will be distributed to each student. Program includes classroom supplies, field materials, student guide, booklet and 2 field trips to the ag research facility. The program budget for S.O.I.L. accompanies this application.

### The Need:

For Hawai'i's ag industry to flourish, a different path and approach needs to be developed to create a workforce of individuals with the skills and knowledge to imagine, create, and develop a new kind of sustainable agricultural industry. Pineapple and sugar plantations, once the prosperous foundation of Hawai'i's agricultural industry, have all but crumbled leaving tens of thousands of acres of land nutrient depleted and heavily eroded. "In most of the former sugar and pineapple lands, the topsoil is gone, the nutrients are gone, and the soil life is gone," says Burt Smith, a soil scientist based in Waimea, Hawai'i. Whatever little topsoil remained after a century of sugar cultivation was almost all lost when mechanical harvesting began in the years following World War II. The constant tilling, fertilizing, and herbicide applications effectively reduced all soil organisms to very primitive forms that are 70% of their original carbon stock.

A restorative farming approach focuses on restoring soils that have been degraded by overuse or too much exposure to artificial fertilizers and pesticides through industrial and agricultural practices. Restorative agriculture is a system of farming principles and practices that focuses on efficient ways to maximize and sustain the natural indigenous microorganism ensuring that the soil used to grow food maintains its fertility for generations to come. Growing food organically isn't enough, reports Tim LaSalle, Ph.D., who is the co-founder for Regenerative Agriculture and Resilient System at California State University. He contends, without restorative practices, organic soil becomes depleted as well. Focusing on healthy soils are essential for a sustainable future. Soil quality is important because it helps to sustain an ecosystem responsible for our food and fiber needs, environmental quality, and human health. Soil health (quality) is the ability of a soil to perform various functions such as supporting plant growth and biological diversity, regulating and filtering water flow, and providing an environmental buffer against hazardous compounds.

Transforming unhealthy soil while keeping soil healthy for today and the future means using restorative practices to enhance the soil we have, control carbon release into the air, and control soil loss through erosion. For Hawai'i's ag industry to succeed in the 21st century, new technologies, innovations, and restorative approaches with a focus on native Hawaiian plants, need to be the foundational cornerstone in youth ag education.

Learning about native Hawaiian plants and their uses have the capacity to connect us to Hawai'i's cultural past. The echoes of the past can resonate today as we understand, appreciate and grow native Hawaiian plants through restorative practices.

#### How HAF addresses the need:

The Hawai'i Agricultural Foundation is well positioned to pilot an agricultural education program. Since 2014, HAF has developed a K-12 agriculture educational continuum to bring awareness of the importance of ag while encouraging careers in ag to ultimately build a pipeline of future farmers who can sustainably meet the state's future food supply needs. To date, HAF has served over 23,000 students from over 150 public and charter schools across the state. HAF educational programs *Where Would We Be Without Seeds* (grades 1-2), *Veggie U* (grades 4-5), *In the Fields* (Grades 9-12), *D.I.G.* (Grades 6-12), and *Young Entrepreneurs Program* (Grades 6-12) spark interest and engage students with agriculture throughout elementary school, middle school and high school. HAF provides support through teacher training sessions and ag field trips for classes who complete the curriculum.

HAF plans to add a new program that focuses on sustainability through restorative farming with native plants. *S.O.I.L.- Sustainability Observations and Investigative Learning* teaches students in 3<sup>rd</sup> grade the importance of restorative agriculture through investigative inquiry of the native plant *uala* (sweet potato).

#### Demographics:

Approximately 50% of the schools who have participated in HAF's programs have high numbers or high percentages of children from low-income families and qualify for Title I status. For purposes of this grant, HAF will target ten (10) 3<sup>rd</sup> grade teachers from Title I schools that already participate in a HAF ag education program at another grade level.

HAF would like to use these grant funds to pilot *S.O.I.L.- Sustainability, Observations through Investigative Learning* with ten (10) 3<sup>rd</sup> grade public school classes on Oahu. With the average class size of 27 students, this program will serve about 270 students and their teachers. Additionally, students will share their value-added ag product and information on restorative agriculture practices with their families and the community. HAF will partner with the Hawai'i Agriculture Research Center (HARC) located in Kunia, Oahu. Participating classes will be required to attend two field trips to HARC to replant their seedlings and harvest the *uala* once ready.



As a non-profit organization committed to supporting and sustaining Hawai'i's agriculture industry through education and outreach, HAF relies on grants, sponsorships, and private donations. During the pandemic, the State of Hawai'i ceased Grants In Aid (GIA) and private donations saw a sharp decline. HAF has always provided all agriculture programs at no cost to the school, teacher, or farmer. Funding provided by the Dorcy Foundation will allow HAF to continue to develop and pilot a program to add to its K-12 continuum with its S.O.I.L. program. As indicated in post program surveys, 87% of students in HAF's ag education programs state a willingness to select agriculture career and elementary students are able to name 75% more ag careers after program participation. Since HAF has begun delivering quality ag education programs, there has been a 129% increase in the number of agriculture degree programs offered by UH Manoa. It is HAF's goal to continue to offer K-12th grade ag education programs statewide to help prepare the next generation of agriculturists for innovative technologies and sustainable practices.

## Project/Program Budget Form

Requesting Organization Name: Hawaii Agricultural Foundation

Name of Project: S.O.I.L.- Sustainability, Observations through Investigative Learning

Project Expense:	Dorcy Hawaiian Foundation request:	Other funding source/ In-kind contribution:	Total Cost:
1. <b>Supplies</b> (classroom garden beds, equipment, materials, seeds, soils, peat pots, etc.)	\$ 3,000	\$2,000	\$5,000
2. <b>Printing</b> (curriculum, booklets, student guides, etc.)	\$1,000	\$0	\$1,000
3. <b>Travel, Meetings and Meals</b> (bus rentals, ag excursions/field trips, mileage, meetings with teachers, etc.)	\$6,000	\$2,000	\$8,000
4. <b>Stipend for Ag Research Center</b> (venue, farmhands, HARC Coordinator)	\$5,000	\$5,000	\$10,000
5. <b>Program Administration</b> (salary, benefits, etc.)	\$10,000	\$10,000	\$20,000
6. <b>Total for each column:</b>	\$ 25,000	\$19,000	\$44,000

List all types of support	Amount (list value of volunteer/donated services)	Indicate if source is Secured, Pending, or In-kind
1. Laurence H. Dorcy Hawaiian Foundation Grant	\$25,000	Pending
2. Hawaii Agriculture Research Center	\$5,000	In-Kind
3. McInerny Foundation	\$14,000	Pending
<b>Total:</b>	\$44,000	

**Hawaii Agricultural Foundation**  
**Budget**  
**For the Year 2022**

	<u>2022 Budget</u>
<b><u>Income</u></b>	
Corporate Contributions	45,000.00
Foundation Contributions	92,000.00
Individual Contributions	15,000.00
Private Grants	122,000.00
Private Grants, with donor restriction	140,000.00
Government Grants	257,500.00
Sponsorship	165,500.00
Kunia Ag Park Rent Revenue	172,000.00
Special Events Income ETD	10,000.00
<b>Total Income</b>	<b>\$ 1,019,000.00</b>
<b><u>Expenses</u></b>	
Awards and Grants	-
Business Expenses	1,300.00
Leased EE Payroll	353,000.00
Contract Services	168,000.00
Facilities and Equipment	47,000.00
Operations	83,700.00
Other Types of Expenses	77,000.00
Travel and Meetings	8,000.00
Program	435,000.00
<b>Total Expenses</b>	<b>\$ 1,273,000.00</b>
<b>Net Operating Income (Loss)</b>	<b>\$ (154,000.00)*</b>

\*Operating Loss will be covered by HAF Reserves

**Hawaii Agricultural Foundation**  
**Statement of Financial Position**  
December 31, 2020

	Total
<b>ASSETS</b>	
<b>Current Assets</b>	
Cash	866,585.88
Bill.com Money Clearing	250.00
<b>Total Cash</b>	<b>\$ 866,835.88</b>
<b>Accounts Receivable</b>	
Accounts Receivable	60,214.58
Grants Receivable	27,942.40
<b>Total Accounts Receivable</b>	<b>\$ 88,156.98</b>
<b>Other Current Assets</b>	
HHRI - Deposit	2,400.00
<b>Total Other Current Assets</b>	<b>\$ 2,400.00</b>
<b>Total Current Assets</b>	<b>\$ 957,392.86</b>
<b>Fixed Assets</b>	
Furniture and Equipment	24,565.75
Leasehold Improvements	7,853.40
Accumulated Depreciation	(15,999.87)
<b>Total Fixed Assets</b>	<b>\$ 16,419.28</b>
<b>TOTAL ASSETS</b>	<b>\$ 973,812.14</b>
 <b>LIABILITIES AND NET ASSETS</b>	
<b>Liabilities</b>	
<b>Current Liabilities</b>	
Accounts Payable	70,872.11
<b>Total Accounts Payable</b>	<b>\$ 70,872.11</b>
<b>Other Current Liabilities</b>	
Deferred Revenue	197,282.86
Unearned Revenue	18,000.00
Security Deposits	23,455.05
<b>Total Other Current Liabilities</b>	<b>\$ 238,737.91</b>
<b>Total Current Liabilities</b>	<b>\$ 309,610.02</b>
<b>Total Liabilities</b>	<b>\$ 309,610.02</b>
<b>Net Assets</b>	
Net Assets	694,202.67
Net Income	(30,000.55)
<b>Total Net Assets</b>	<b>\$ 664,202.12</b>
<b>TOTAL LIABILITIES AND NET ASSETS</b>	<b>\$ 973,812.14</b>

See accompanying notes



**Hawaii Agricultural Foundation**  
**Statement of Activities**  
January - December 2020

	Program	Administration	Fundraising	TOTAL
<b>Revenue and Support</b>				
<b>Direct Public Support</b>				
Corporate Contributions	58,873.26	75,967.37	0.00	134,840.63
Foundation Contributions	0.00	11,584.11	0.00	11,584.11
Individual Contributions	20.00	15,609.20	0.00	15,629.20
Private Grants	26,638.16	0.00		26,638.16
Sponsorship	314,583.34	25,000.00	0.00	339,583.34
<b>Total Direct Public Support and Sponsorship</b>	<b>400,114.76</b>	<b>128,160.68</b>	<b>0.00</b>	<b>528,275.44</b>
<b>Government Grants</b>	<b>352,101.76</b>	<b>20,000.00</b>	<b>0.00</b>	<b>372,101.76</b>
<b>Kunia Ag Park Rent Revenue</b>	<b>94,256.60</b>	<b>0.00</b>	<b>0.00</b>	<b>94,256.60</b>
Kunia Ag Park portable toilets	6,650.00	0.00	0.00	6,650.00
Water	62,559.39	0.00	0.00	62,559.39
Services	5,600.00	0.00	0.00	5,600.00
<b>Total 46420 Kunia Ag Park Rent Revenue</b>	<b>169,065.99</b>	<b>-</b>	<b>-</b>	<b>169,065.99</b>
<b>Program Income</b>	<b>17,317.12</b>	<b>6,791.35</b>	<b>-</b>	<b>24,108.47</b>
<b>Total Program Income</b>	<b>18,682.90</b>	<b>0.00</b>	<b>0.00</b>	<b>18,682.90</b>
<b>Total Cost of Goods Sold</b>	<b>(1,365.78)</b>	<b>6,791.35</b>	<b>-</b>	<b>5,425.57</b>
<b>Net Program Income</b>	<b>\$ 919,916.73</b>	<b>\$ 154,952.03</b>	<b>\$ 0.00</b>	<b>\$ 1,074,868.76</b>
<b>Total Revenue and Support</b>				
<b>Expenses</b>				
Advertising	128,603.79	0.00	0.00	128,603.79
Cash and Awards	30,400.00	0.00	0.00	30,400.00
Compensation - Key Employees	46,710.04	40,668.41	30,817.37	118,195.82
Compensation - Other	239,789.09	55,324.93	39,769.42	334,883.44
Conferences	800.00	694.50	0.00	1,494.50
Depreciation	4,516.81	3,806.75	0.00	8,323.56
Employee Benefits	2,396.62	3,885.06	686.14	6,967.82
Fee for Service - Legal	1,604.75	0.00	0.00	1,604.75
Fee for Service - Accounting	24,000.00	62,612.15	0.00	86,612.15
Fee for Service - Other	105,556.66	295.00	4,740.14	110,591.80
Information Technology	26,244.34	4,621.12	978.66	31,844.12
Insurance	0.00	26.00	0.00	26.00
Occupancy	99,001.16	5,776.08	1,486.49	106,263.73
Office Expenses	42,501.34	1,258.60	193.36	43,953.30
Other	60,989.22	796.80	29.32	61,815.34
Payroll Taxes	13,889.70	8,273.97	3,455.56	25,619.23
Travel	7,402.82	131.58	135.56	7,669.96
<b>Total Expenses</b>	<b>834,406.34</b>	<b>188,170.95</b>	<b>82,292.02</b>	<b>1,104,869.31</b>
<b>Change in Net Assets</b>	<b>85,510.39</b>	<b>(33,218.92)</b>	<b>(82,292.02)</b>	<b>(30,000.55)</b>
<b>Net Assets:</b>				<b>694,202.67</b>
At Beginning of Year				<b>\$ 664,202.12</b>
At End of Year				

See accompanying notes

**Hawaii Agricultural Foundation**  
**Schedule I - Net Assets With Donor Restrictions**  
 January - December 2020

	Growing Future Farmers - Maui	City Small Bus Relief Fund	Hawaii Pivot Grant	Food a Go Go Restricted	PPP Grant	Total Kids Cooking Local	Air Cargo Inspection	Kokua Ag	Myrtaceae	Total
Income										
Direct Public Support										
Corporate Contributions	\$ 3,643.00	-	-	-	-	8,167.51	-	-	-	11,810.51
Sponsorship	-	-	-	75,000.00	-	-	-	-	-	75,000.00
Government Grants	-	20,000.00	10,000.00	-	74,762.50	-	-	-	-	104,762.50
Total Revenue and Support	3,643.00	20,000.00	10,000.00	75,000.00	74,762.50	8,167.51	-	-	-	191,573.01
Total Expenses	31,030.00	20,000.00	10,000.00	75,000.00	74,762.50	48,101.76	-	-	3,200.00	262,094.26
Change in Net Assets	(27,387.00)	-	-	-	-	(39,934.25)	-	-	(3,200.00)	(70,521.25)
Restricted as of 12/31/2019	55,480.93	-	-	-	-	39,934.25	1,991.00	3,250.00	6,491.00	107,147.18
Restricted as of 12/31/2020	\$ 28,093.93	-	-	-	-	-	1,991.00	3,250.00	3,291.00	36,625.93