

House District(s) 002

Senate District(s) 002

THE TWENTY-NINTH LEGISLATURE
APPLICATION FOR GRANTS
CHAPTER 42F, HAWAII REVISED STATUTES

Log No:

For Legislature's Use Only

Type of Grant Request:

GRANT REQUEST – OPERATING

GRANT REQUEST – CAPITAL

"Grant" means an award of state funds by the legislature, by an appropriation to a specified recipient, to support the activities of the recipient and permit the community to benefit from those activities.

"Recipient" means any organization or person receiving a grant.

STATE DEPARTMENT OR AGENCY RELATED TO THIS REQUEST (LEAVE BLANK IF UNKNOWN): _____

STATE PROGRAM I.D. NO. (LEAVE BLANK IF UNKNOWN): _____

I. APPLICANT INFORMATION:

Legal Name of Requesting Organization or Individual:
Kohala Institute

Db:

Street Address: 53-580 Iole Rd., Kapaau, HI, 96755

Mailing Address: PO Box 344, Kapaau, HI, 96755

2. CONTACT PERSON FOR MATTERS INVOLVING THIS APPLICATION:

Name NOELANI KALIPI

Title Executive Director

Phone # 808-930-6653

Fax # N/A

E-mail grants@kohalainstitute.org

3. TYPE OF BUSINESS ENTITY:

- NON PROFIT CORPORATION INCORPORATED IN HAWAII
- FOR PROFIT CORPORATION INCORPORATED IN HAWAII
- LIMITED LIABILITY COMPANY
- SOLE PROPRIETORSHIP/INDIVIDUAL
- OTHER

6. DESCRIPTIVE TITLE OF APPLICANT'S REQUEST:

INCREASING FOOD SECURITY THROUGH DATA INFORMED GROWING PRACTICES

4. FEDERAL TAX ID #: [REDACTED]

5. STATE TAX ID #: [REDACTED]

7. AMOUNT OF STATE FUNDS REQUESTED:

FISCAL YEAR 2019: \$ 300,000

8. STATUS OF SERVICE DESCRIBED IN THIS REQUEST:

- NEW SERVICE (PRESENTLY DOES NOT EXIST)
- EXISTING SERVICE (PRESENTLY IN OPERATION)

SPECIFY THE AMOUNT BY SOURCES OF FUNDS AVAILABLE AT THE TIME OF THIS REQUEST:

STATE \$ 300,000

FEDERAL \$ _____

COUNTY \$ _____

PRIVATE/OTHER \$ 1,400

D. Noelani Kalipi

NAME & TITLE

1/17/2018

DATE SIGNED

JAN 19 2018 11:30AM

Application for Grants

I. Background and Summary

1. A brief description of the applicant's background;

Kohala Institute (KI) is uniquely positioned to create impactful place-based learning experiences and test innovative ideas through programs within the 2,400 acres it manages as an immersive living laboratory in North Kohala on Hawaii Island. KI's mission is to inspire the discovery and deepening of human connection and collaboration for a sustainable world. KI's vision is to be a leading learning center that cultivates wholehearted leadership and collaboration through connection with the land, universal values and the spirit of Aloha.

Kohala Institute facilitates customized learning experiences, applied research, and collaborative convening supported by the GRACE Center facilities and the 2,400-acres of land. The GRACE Center is a multi-purpose meeting and education center in the newly renovated six-building Historic Kohala Girls School campus, built in 1874, which is a part of the Nationally Registered Bond Historic District; it includes a 40-bed dormitory, numerous program spaces, dining hall with certified kitchen, and ten new cabins. The 2,400 acres of land includes 3 gulches, the entire 'Iole ahupua'a from mauka to makai, and its own on-site water sources; these lands serve ranchers, farmers, edu-tourism activities, and much more. KI's programs within this exceptional environment often yield transformative experiences resulting in broadened world views and a deeper appreciation for the collective good.

KI was incorporated in 2016 as a 501(c)3 public charity, and KI's team has made unprecedented progress since its establishment. Kohala Institute's staff contribute diverse skills and experiences, which have already led to the successful implementation of numerous projects. Executive Director, Noelani Kalipi, brings two decades of experience in community, leadership, and project development in corporate, government and non-profit sectors. Accomplishments to date include:

- Completing renovations and opening the GRACE Center
- Re-establishing a portion of what was famed to be King Kamehameha I's favorite lo'i kalo, surrounded by botanical gardens where tours and learning excursions of all kinds are hosted
- Launching KI's field trip program, sharing the history, culture, and environment of the 'Iole ahupua'a with students and educators
- Beginning KI Farm, including research projects with UH-Hilo (Natural Farming Trials) and UH-Manoa (Ulu orchard research)
- Facilitating cohort 1 of *GRACE Leadership Journey* - a year-long program working with high school Juniors to provide future leaders with the skills, knowledge, and experience to bring people together for positive action that benefits the collective when faced with challenges and controversy
- Creating *Collaboration for Solutions* - KI's core program that integrates land-based projects for experiential learning opportunities focused on relationships and teambuilding

Carrots			11144	11144	5	3
Cauliflower			1350	1350	20	14
Celery	7%	360	5133	5493	13	7
Corn	78%	2200	611	2811	15	20
Cucumbers	78%	4800	1383	6183	11	13
Eggplant	55%	900	734	1634	18	18
Ginger root	66%	1800	928	2728	16	15
Lettuce	11%	1000	8089	9089	7	5
Onions, dry	7%	1400	18654	20054	2	2
Onions, green	73%	1600	589	2189	17	21
Parsley	27%	100	271	371	25	24
Peas, Chinese			209	209	28	26
Peppers, green (2007)	27%	1800	4790	6590	9	8
Potatoes			22291	22291	1	1
Sweet potatoes	83%	7100	1715	8815	8	12
Pumpkins	9%	90	903	993	22	16
Romaine	10%	1000	9334	10334	6	4
Squash, Italian	46%	1480	1738	3218	14	11
Squash, Oriental	35%	350	640	990	23	19
Taro	30%	100	232	332	26	25
Tomatoes (2007)	77%	14300	4157	18457	3	9
Watercress	99%	770	13	783	24	28
**Some values were not included to avoid disclosing individual operations. Ranking of room for growth is based on inshipments. Ranking of largest market is based on inshipments + Hawaii products						

Source: *Baseline Study for Food Self-Sufficiency in Hawaii County*, Appendix B. Department of Agriculture, Statistics on Fresh Fruits and Vegetables in 2008

Secondly, the opportunity that objective #2 presents is to help small and mid-sized farms increase efficiency and boost productivity with the assistance of technological advancements. SmartYields technology enables a detailed understanding of the environmental factors influencing production – rainfall, temperature, etc – and it demonstrates how technology can improve farm efficiency, resource management, and decision making, which can lead to better yields and returns for farmers. SmartYields distills a potent mix of real-time monitoring, data analytics, and digital agronomy into a simple and intuitive mobile app. Designed for use in the field, SmartYields puts the power of precision agriculture in the hands of all growers – especially small- to medium-sized independent farms. SmartYields mobile app connects with a wide-variety of sensors and hardware and taps a diverse array of data sets and agronomy best practices to give farmers a flexible yet powerful tool to help protect crops, optimize operations, and increase yields.

Finally, the broader impacts of this project come out of combining these two objectives, both of which present practical and immediate opportunities for agricultural expansion and improved production efficiency in Hawaii. Consumption of local produce is already a priority for many organizations, but supply does not nearly meet the demand. Annually, \$3.1 billion leaves our state economy to import foods. Replacing 10% of these imports could keep \$313M in our local economy. This project takes a strategic approach at increasing the market share of Hawaii grown products by targeting commodities with the most room for growth, and by demonstrating and

then disseminating information on growing these products. Filling these markets also increases food self-sufficiency by promoting the growth of commodities with the smallest production and largest quantity of imports.

The opportunity for data-informed growing practices to increase efficiency supports farmers by increasing margins for farmers which may also be passed on as savings to consumers; this can contribute to making locally grown products more cost competitive with imports, which addresses one of the major barriers to increasing consumption of locally produced goods – cost premiums.

4. Describe the target population to be served; and

The results of these trials will be made available to the public and can be relevant to farmers statewide. The primary target population served through this project is two-fold:

1. Current and future farmers, as well as gardeners;
2. State of Hawaii through the economic benefits of replacing more imports with locally produced goods and increasing Hawaii's food self-sufficiency.

5. Describe the geographic coverage.

The benefits of this project can be relevant statewide for farmers, consumers who want to purchase more local products, and Hawaii's economy through the benefit on displacing imports with local products. Though trials will be conducted in Kohala, the results will be available Statewide. KI, SmartYields, and CAFNRM can work together to identify other regions throughout Hawaii with fitting growing environments – soils, rainfall, elevation, temperature, etc – to share results and new crop variety opportunities that may be successful in the region.

II. Service Summary and Outcomes

The Service Summary shall include a detailed discussion of the applicant's approach to the request. The applicant shall clearly and concisely specify the results, outcomes, and measures of effectiveness from this request. The applicant shall:

1. & 2. Describe the scope of work, tasks and responsibilities; Provide a projected annual timeline for accomplishing the results or outcomes of the service;

Project will begin upon receipt of funding. This is designed as a one year demonstration project.

Pre-funding Period

Responsible Party: Project Coordinator

- Compile and analysis all available data on crop production levels, crop variety for low-market share crops
- Advertise for Farm Manager and Farm Specialist positions if not already on staff in preparation for hiring when the project begins

Month 1

Responsible Party: KI Project Coordinator (KIPC), KI Farm Manager (KIFM), Farm Specialist 1 & 2 (KIFS), SmartYields, UH-Hilo

- Hire Farm Manager and Farm Specialists positions if not already on staff
- KI and University of Hawaii at Hilo's (UH-Hilo) College of Agriculture, Forestry, and Natural Resource Management (CAFNRM) collaborate to design the variety trials and select the varieties for testing
- Work with SmartYields to identify useful monitoring technology and begin procurement
- Work with Wow Farms and the Waimea Hawaiian Homesteaders' Association to procure materials and schedule construction of greenhouses
- KI begins procuring farm materials, supplies, and equipment
- KIPC/KIFM coordinates with contractors/staff to prepare the land for new crop trials
- KIFM orders seeds as selected with UH-Hilo
- Begin germinating seeds in preparation for planting in month 2
- Take initial soil samples before planting, which will be analyzed by CAFNRM faculty and students

Month 2

Responsible Party: KIFM, KIPC, KIFS(s), SmartYields, UH-Hilo, Wow Farm

- Work with Wow Farms and/or Waimea Hawaiian Homesteaders' Association to construct greenhouses
- Finish plot 1 preparation. Preparation for each plot and round of testing includes front loading any soil amendments recommended from the soil sample results. Each plot includes every crop and crop variety which will be replicated monthly upon planting out new plots or replanting harvested plots. Precise design of the plots and rows for the trials will be determined in consultation with UH-Hilo during the first month of the project.
- Planting direct sow crops for plot 1, round 1; plantings will be staggered on a monthly basis to allow variations in weather and have a more consistent harvest. As such, sprouting seeds will also occur on a monthly basis in preparation for out-planting in plots. Sprouting times vary for different vegetables, and will be planned accordingly.
- SmartYields will work with KIPC and/or KIFM to install and test the monitoring instruments and SmartYields software. Data collection will begin right away.
- Regular observations and measurements of plant growth are ongoing. Frequency and methodology will be determined in the program design in Month 1

Month 3

Responsible Party: KIFM, KIPC, KIFS(s)

- Finish plot 2 preparation, sprout seeds, and plant in plot 2, round 1
- Begin harvesting any mature crops
- Data collection and monitoring from SmartYields

- Regular observations and measurements are ongoing by Farm Specialists or UH interns
- KIPC and KIFM in collaboration with KI's administration and operations team will create quarterly progress reports for the State

Month 4

Responsible Party: KIFM, KIPC, KIFS(s)

- Finish plot 3 preparation, sprout seeds, and plant for round 1, plot 3
- Harvest mature crops and track production levels
- Once harvest is complete, clear test plot 1, round 1 (most plants have an 8-12 week growing cycle)
- Take soil samples from cleared plots to see soil health before and after growing
- Data collection and monitoring from SmartYields and in person observations and measurements are ongoing. This includes tracking production from each crop variety by weighing harvested produce.
- Begin compiling and analyzing data; this may be used to improve variety trial methodology

Month 5

Responsible Party: KIFM, KIFS(s)

- Replant test plot 1, round 2; most of the selected crops have a 2 – 3 month growing cycle.
- Before replanting, soil samples will be taken and amendments will be added for each round of trials.
- Clear test plot 2, round 1, and take soil samples
- Harvest mature crops and track production levels
- Data collection and monitoring from SmartYields and in person observations and measurements are ongoing.
- Continue compiling and analyzing data

Month 6

Responsible Party: KIFM, KIFS(s), KIPC

- Replant test plot 2, round 2; pre-load soil amendments as needed
- Clear test plot 3, round 1, and take soil samples
- Harvest mature crops and track production levels
- Data collection and monitoring from SmartYields and in person observations and measurements are ongoing.
- Continue compiling and analyzing data
- KIPC and KIFM in collaboration with KI's administration and operations team will create quarterly progress reports for the State

Month 7

Responsible Party: KIFM, KIFS(s)

- Replant test plot 3, round 2; pre-load soil amendments as needed
- Clear test plot 1, round 2, and take soil samples

- Harvest mature crops and track production levels
- Data collection and monitoring from SmartYields and in person observations and measurements are ongoing.
- Continue compiling and analyzing data

Month 8 **Responsible Party:** KIFM, KIPC, KIFS(s)

- Replant test plot 1, round 3; pre-load soil amendments as needed
- Clear test plot 2, round 2, and take soil samples
- Harvest mature crops and track production levels
- Data collection and monitoring from SmartYields and in person observations and measurements are ongoing.
- Continue compiling and analyzing data

Month 9 **Responsible Party:** KIFM, KIPC, KIFS(s)

- Clear test plot 3, round 2, and take soil samples
- Harvest mature crops and track production levels
- Data collection and monitoring from SmartYields and in person observations and measurements are ongoing.
- Continue compiling and analyzing data
- KIPC and KIFM in collaboration with KI's administration and operations team will create quarterly progress reports for the State

Month 10 **Responsible Party:** KIFM, KIPC, KIFS(s)

- Clear test plot 1, round 3, and take soil samples
- Harvest mature crops and track production levels
- Data collection and monitoring from SmartYields and in person observations and measurements are ongoing.
- Continue compiling and analyzing data

Month 11 **Responsible Party:** KIFM, KIPC, KIFS(s), UH-Hilo, SmartYields

- Finish analyzing data in collaboration with SmartYields and UH-Hilo
- Work with UH-Hilo staff/interns/students to create a final report summarizing the results of the data collected

Month 12 **Responsible Party:** KIFM, KIPC, KIFS(s), UH-Hilo, SmartYields

- Work with UH-Hilo staff/interns/students to disseminate the final report, share with farmers and the community
 - Work with farm organizations locally and regionally like Hamakua the Farmer's Union, Dept of Agriculture, and UH system
 - KIPC and KIFM in collaboration with KI's administration and operations team will create the Final report for the State
3. Describe its quality assurance and evaluation plans for the request. Specify how the applicant plans to monitor, evaluate, and improve their results; and

Monitoring, quality assurance, and evaluation processes are innate to this project, as that is the data sought to improve outputs and Hawaii's market share on these select commodities.

Through the SmartYields sensors and data monitoring, temperature, rainfall, humidity, and potentially carbon dioxide and air quality, will be monitored continually. This data can be especially useful in some of the identified commodities like broccoli for which maturity and harvest times can be very dependent on temperature.

In-person observations and measurements will also be collected by farm specialists or interns on at least a weekly basis. Observation data will include damage rating, size of largest leaf (diameter), height, and the number of leaves. Once the plants are producing, staff will also collect yield data for the different crop varieties. Staff and interns will have digital journals to note any other characteristics or observations like the presence of pests, discoloration, etc, which will be supplemented with digital photos. Specific observations protocols will be established in the month 1 planning with collaborators, and all observers will be trained together for consistency.

4. List the measure(s) of effectiveness that will be reported to the State agency through which grant funds are appropriated (the expending agency).

Measures of effectiveness reported to the state will focus in three areas:

1. Status updates on project implementation based on the schedule included in this proposal;
2. The success of the crop variety trials and assessment of how many and which varieties could be promising for Hawaii farmers. This data will be reflected in the end of project report which will be made available to the public and will include details on growth success/failures and production protocols as well as a high level economic analysis.
3. The number of people who receive this information through outreach efforts in month 12 of the project will also be estimated.

At least 4-6 low market share agriculture commodities will be included in the trials, trying at least 3 varieties for each commodity. This will be a total of 12-18 crop varieties, which will take 2 acres or more of the KI Farm site.

III. Financial

Budget

1. The applicant shall submit a budget utilizing the enclosed budget forms as applicable, to detail the cost of the request.
 - a. Budget request by source of funds ([Link](#))
 - b. Personnel salaries and wages ([Link](#))
 - c. Equipment and motor vehicles ([Link](#))
 - d. Capital project details ([Link](#))
 - e. Government contracts, grants, and grants in aid ([Link](#))

All listed forms are included in the application package.

2. The applicant shall provide its anticipated quarterly funding requests for the fiscal year 2019.

Quarter 1	Quarter 2	Quarter 3	Quarter 4	Total Grant
\$165,893	\$43,892	\$45,869	\$44,346	\$300,000

3. The applicant shall provide a listing of all other sources of funding that they are seeking for fiscal year 2019.

For this project, KI is currently looking at the following grants:

County of Hawaii - R&D grant for agriculture - \$25,000

The Fruit Guys Foundation - \$5,000

4. The applicant shall provide a listing of all state and federal tax credits it has been granted within the prior three years.

Kohala Institute is a 501(c)3 tax exempt organization under the United States Internal Revenue Code. This is not a tax credit per se but reduces taxable income.

5. The applicant shall provide a listing of all federal, state, and county government contracts, grants, and grants in aid it has been granted within the prior three years and will be receiving for fiscal year 2019 for program funding.

The last 2 years (2017 & 2018), Kohala Institute had a contract with Hawaii Tourism Authority under the Kukulu Ola program for \$35,000 each year to support KI Tours Community Field trip program and Cultural Workshops.

County of Hawaii – Non-Profit Grants Program for \$12,000 in FY 2017-2018 to support the GRACE Leadership Journey Program.

USDA Community Facilities Loan - \$2.679 million to support the remodeling costs and operations of the GRACE Center Campus (formerly the Historic Kohala Girls' School). The KI board approved this loan agreement on February 12, 2016.

6. The applicant shall provide the balance of its unrestricted current assets as of December 31, 2017.

Kohala Institute's unrestricted assets as of Dec. 31, 2017 are \$299,306.46.

IV. Experience and Capability

1. Necessary Skills and Experience

Kohala Institute and UH-Hilo previously partnered on natural farming trials assessing the benefits of 4 different applications and styles of Natural Farming to improve and maintain soil health in a cost effective manner. This experiment approach was designed by UH-Hilo College of Agriculture, Forestry, and Natural Resource Management with sound scientific practices and controls to ensure validity, and it was implemented by KI staff with assistance from UH interns. University of Hawaii at Hilo's College of Agriculture, Forestry, and Natural Resource Management (CAFNRM) opened its doors in the fall of 1975 with the main objective to prepare students for a broad and full understanding of basic factors involved in production, management, processing, distribution, marketing, sales, and services in the field of agricultural sciences. Dr. Arancon from CAFNRM came out to the farm and trained everyone involved in proper observation and data collection techniques. He was also present and assisted with the physical setup of the experiment design. This research was assisted by two PIPES interns from UH-Hilo. The results of that research were very positive, and were shared by the PIPES interns in their capstone project. This project was managed by the KI programs staff, Marcus Woo and Peter Prentiss, who will also be involved in guiding and managing the proposed crop variety trials.

KI will hire a qualified Farm Manager for the project, and will hire and train 2 Farm Specialists at the start of the project, adding one more at the start of Q2 when production is really taking off.

Finally, founded in 2015, Smart Yields was part of the sixth cohort of the Blue Startups accelerator program, was a finalist in the fifth cohort of the XLR8UH accelerator program, was part of the 2017 cohort of the Elemental Excelerator, and is part of the inaugural Laudato Si' Challenge tech accelerator in Rome. CEO Vincent Kimura was named Clean Tech/Ag Entrepreneur of 2016 by the Hawaii Venture Capital Association and a 2016 finalist in Pacific

Business News' Business Leadership Awards. Kimura was also named to Pacific Business News' "40 Under 40" list in 2016, which recognizes outstanding young business professionals in Hawaii; CAO Mike Rogers made the list in 2017.

As a non-profit promoting sustainability, agriculture, and collaborative community development, Kohala Institute will work with community partners to analyze and disseminate lessons learned through this demonstration project.

Additionally, Kohala Institute as an organization has effectively management and maintained compliance on numerous grants and a \$2.6M Community Facilities Loan from the USDA which requires extensive reporting and precise tracking of activities and finances, and our administrative team will apply the same level of vigor to the efficient management of any awarded funding.

2. Facilities

Kohala Institute manages 2,400 acres of land which include an on-site water system fed by two lateral wells. KI Farm site contains 5.7 acres of fenced land with 3.5 acres available for immediate cultivation. Initial soil tests completed by UH Hilo in March 2016 indicate high soil fertility and nutrient content. There is currently a 4" irrigation line in the lower field that feeds a ½ acre plot of diversified row crops and fruit trees. The upper field has a ½ acre breadfruit orchard with multiple spigots from a 1" line that can feed drip irrigation; this orchard is a part of a research project with UH-Manoa. Both irrigation lines connect to the Bond Tank which is fed by the Bond Tunnel, one of the mauka lateral wells. There is also a rustic packing/washing area and a storage shed on-site. Offices are adjacent to the farm which will be free for use during this project.

V. Personnel: Project Organization and Staffing

1. Proposed Staffing, Staff Qualifications, Supervision and Training

Peter Prentiss, Programs Coordinator, and Marcus Woo, Programs Director, successfully managed the Natural Farming trials with UH-Hilo and the PIPES program. The projects are very similar in design and implementation, and their experience in that program will aide in efficiently launching and managing the crop variety trials project. They will oversee the project along with Executive Director, Noelani Kalipi, but Prentiss and Woo will work directly with the Farm Manager as well as UH-Hilo and SmartYields collaborators.

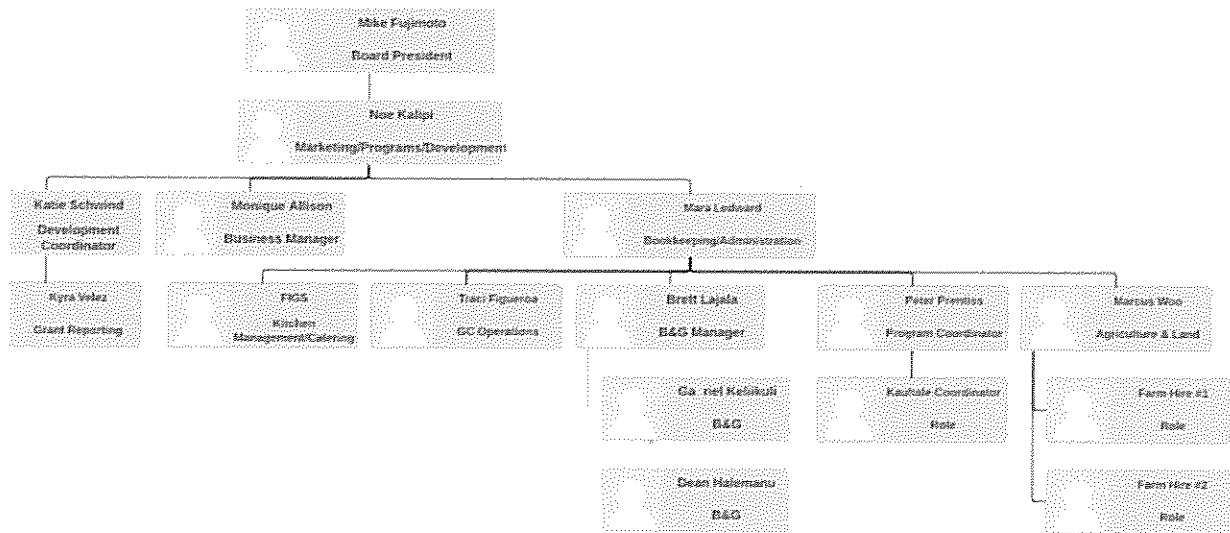
A farm manager, 2 nearly full time Farm Specialists and a part-time Farm Specialist (beginning Q3) will hired to assist with this project as it will significantly intensive the farming operations. The Farm Manager will be the primary individual involved in directing day-to-day operations and overall project implementation. Farm Specialist will provide the labor necessary for successful production. The observations and measurements portion of this project is critical to the analysis and can be time consuming so the additional labor is necessary. Everyone involved

with the program will receive the same training on techniques for observation data collection to ensure consistency and validity of the data. This will be assisted by UH-Hilo faculty, Dean Dr. Bruce Matthews and Dr. Norman Arancon who led the design, sampling, and analysis for the previous collaborative research project and will provide the same assistance for this project.

Vincent Kimura and Michael Rodgers of SmartYields will assist with the technology integration for monitoring and improving efficiency and resiliency of crop production. They have worked with a variety of farms and farmers to apply the SmartYields technology significant results in crop management and production.

Kohala Institute’s administrative team will manage all funding and assist with reporting. Programs staff, Woo and Prentiss, will also assist with reporting.

2. Organization Chart



3. Compensation

- Executive Director - \$130,000
- Director of Finance and Operations - \$90,000
- GRACE Center Operations - \$52,000

VI. Other

1. Litigation

Kohala Institute has no pending litigation.

2. Licensure or Accreditation

No licensure or accreditation is required, but the CAFNRM faculty who will be assisting in the experiment design and analysis hold PhDs in relevant agricultural fields.

3. Private Educational Institutions

This project is independent of any educational institutions.

4. Future Sustainability Plan

Though experiment repetition could strengthen the data derived through the trials, this is not intended to be an on-going experiment, so additional funding is likely not required. If additional questions arise during the trials, revenue from the sale of produce from the trials can be allocated to further research these questions.

The report will be disseminated to organizations and websites with information for Hawaii's farmers, so this will continue to be available.

5. Certificate of Good Standing (If the Applicant is an Organization)

Please see the Certificate of Good Standing for Kohala Institute included in the Application package.

6. Declaration Statement

Please see the Declaration Statement executed by Kohala Institute's Executive Director, D. Noelani Kalipi.

7. Public Purpose

Kohala Institute will use any funding received through the Hawaii State Grant-in-Aide program for a public purpose pursuant of Section 42F-102, Hawaii Revised Statutes.

BUDGET REQUEST BY SOURCE OF FUNDS

Period: July 1, 2018 to June 30, 2019

Applicant: Kohala Institute

BUDGET CATEGORIES	Total State Funds Requested (a)	Total Federal Funds Requested (b)	Total County Funds Requested (c)	Total Private/Other Funds Requested (d)
A. PERSONNEL COST				
1. Salaries	107,952			
2. Payroll Taxes & Assessments	10,048			
3. Fringe Benefits	9,750			
TOTAL PERSONNEL COST	127,750			
B. OTHER CURRENT EXPENSES				
1. Materials, Light Equip, irrigation, tools	14,800			
2. Insurance				
3. Fertilizer, soil amendments pest control	10,900			
4. Land				400
5. Professional fees	5,000			
6. Marketing and results publication	3,000			
7. Fuel	3,000			
8. Repairs and Maintenance	1,925			
9. Seeds	2,825			
10. SmartYields: hardware, software, consulting	10,000			
11. Tractor + implements (lease/rent/purchase)	21,600			
12. Soil testing	1,200			
13. Greenhouses (materials/install)	48,000			
14. Site preparation	10,000			
16. Insurance				1,000
17. Washing/packing station improvements	5,000			
18. Indirect costs (office/computer/admin/etc)	15,000			
TOTAL OTHER CURRENT EXPENSES	152,250			1,400
C. EQUIPMENT PURCHASES				
D. MOTOR VEHICLE PURCHASES	20,000			
E. CAPITAL				
TOTAL (A+B+C+D+E)	300,000			1,400
SOURCES OF FUNDING		Budget Prepared By:		
(a) Total State Funds Requested	300,000	Katherine Schwind		808-930-6653
(b) Total Federal Funds Requested		[REDACTED]		Phone
(c) Total County Funds Requested				11/17/2018
(d) Total Private/Other Funds Requested	1,400			Date
TOTAL BUDGET	301,400	D. Noelani Kalipi, Executive Director Name and Title (Please type or print)		

BUDGET JUSTIFICATION - PERSONNEL SALARIES AND WAGES

Period: July 1, 2018 to June 30, 2019

Applicant: Kohala Institute

POSITION TITLE	FULL TIME EQUIVALENT	ANNUAL SALARY A	% OF TIME ALLOCATED TO GRANT REQUEST B	TOTAL STATE FUNDS REQUESTED (A x B)
Farm Manager	1	\$45,760.00	100.00%	\$ 45,760.00
Farm Specialist 1	1	\$27,040.00	100.00%	\$ 27,040.00
Farm Specialist 2	0.83	\$22,533.00	100.00%	\$ 22,533.00
Farm Specialist 3 (beginning Q3)	0.5	\$12,619.00	100.00%	\$ 12,619.00
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
TOTAL:				107,952.00
JUSTIFICATION/COMMENTS:				
Farm Manager and Farm Specialist 1 will be a full time for the duration of the project, 1 year. Farm Manager is paid \$22 + benefits; Farm Specialists are \$13/hr + benefits				

BUDGET JUSTIFICATION - EQUIPMENT AND MOTOR VEHICLES

Period: July 1, 2018 to June 30, 2019

Applicant: Kohala Institute

DESCRIPTION EQUIPMENT	NO. OF ITEMS	COST PER ITEM	TOTAL COST	TOTAL BUDGETED
			\$ -	
			\$ -	
			\$ -	
			\$ -	
			\$ -	
TOTAL:				

JUSTIFICATION/COMMENTS:

NOT APPLICABLE

DESCRIPTION OF MOTOR VEHICLE	NO. OF VEHICLES	COST PER VEHICLE	TOTAL COST	TOTAL BUDGETED
Farm Truck (cost estimated)	1.00	\$20,000.00	\$ 20,000.00	20000
			\$ -	
			\$ -	
			\$ -	
			\$ -	
TOTAL:	1		\$ 20,000.00	20,000

JUSTIFICATION/COMMENTS:

BUDGET JUSTIFICATION - CAPITAL PROJECT DETAILS

Period: July 1, 2018 to June 30, 2019

Applicant: Kohala Institute

FUNDING AMOUNT REQUESTED						
TOTAL PROJECT COST	ALL SOURCES OF FUNDS RECEIVED IN PRIOR YEARS		STATE FUNDS REQUESTED	OTHER SOURCES OF FUNDS REQUESTED	FUNDING REQUIRED IN SUCCEEDING YEARS	
	FY: 2016-2017	FY: 2017-2018	FY:2018-2019	FY:2018-2019	FY:2019-2020	FY:2020-2021
PLANS						
LAND ACQUISITION						
DESIGN						
CONSTRUCTION						
EQUIPMENT						
TOTAL:						
JUSTIFICATION/COMMENTS: <div style="text-align: center; padding: 10px;">NOT APPLICABLE</div>						

GOVERNMENT CONTRACTS, GRANTS, AND / OR GRANTS IN AID

Applicant: Kohala Institute

Contracts Total: 2,761,000

	CONTRACT DESCRIPTION	EFFECTIVE DATES	AGENCY	GOVERNMENT ENTITY (U.S. / State / Haw / Hon / Kau / Mau)	CONTRACT VALUE
1	Hawaii Tourism Authority - Kukulu Ola Program	Jan. 1, 2017 - Dec. 31, 2017	Hawaii Tourism Authority	State of Hawaii	35,000
2	Hawaii Tourism Authority - Kukulu Ola Program	Jan. 1, 2018 - Dec. 31, 2018	Hawaii Tourism Authority	State of Hawaii	35,000
3	County of Hawaii - Finance Non-Profit Grants	July 1, 2017 - June 30, 2018	Department of Finance	County of Hawaii	12,000
4	USDA Community Facilities Loan	Feb. 12, 2016 - ongoing	US Department of Agriculture	U.S.	2,679,000
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**DECLARATION STATEMENT OF
APPLICANTS FOR GRANTS PURSUANT TO
CHAPTER 42F, HAWAII REVISSED STATUTES**

The undersigned authorized representative of the applicant certifies the following:

- 1) The applicant meets and will comply with all of the following standards for the award of grants pursuant to Section 42F-103, Hawaii Revised Statutes:
 - a) Is licensed or accredited, in accordance with federal, state, or county statutes, rules, or ordinances, to conduct the activities or provide the services for which a grant is awarded;
 - b) Complies with all applicable federal and state laws prohibiting discrimination against any person on the basis of race, color, national origin, religion, creed, sex, age, sexual orientation, or disability;
 - c) Agrees not to use state funds for entertainment or lobbying activities; and
 - d) Allows the state agency to which funds for the grant were appropriated for expenditure, legislative committees and their staff, and the auditor full access to their records, reports, files, and other related documents and information for purposes of monitoring, measuring the effectiveness, and ensuring the proper expenditure of the grant.


- 2) If the applicant is an organization, the applicant meets the following requirements pursuant to Section 42F-103, Hawaii Revised Statutes:
 - a) Is incorporated under the laws of the State; and
 - b) Has bylaws or policies that describe the manner in which the activities or services for which a grant is awarded shall be conducted or provided.

- 3) If the applicant is a non-profit organization, it meets the following requirements pursuant to Section 42F-103, Hawaii Revised Statutes:
 - a) Is determined and designated to be a non-profit organization by the Internal Revenue Service; and
 - b) Has a governing board whose members have no material conflict of interest and serve without compensation.

Pursuant to Section 42F-103, Hawaii Revised Statutes, for grants used for the acquisition of land, when the organization discontinues the activities or services on the land acquired for which the grant was awarded and disposes of the land in fee simple or by lease, the organization shall negotiate with the expending agency for a lump sum or installment repayment to the State of the amount of the grant used for the acquisition of the land.

Further, the undersigned authorized representative certifies that this statement is true and correct to the best of the applicant's knowledge.

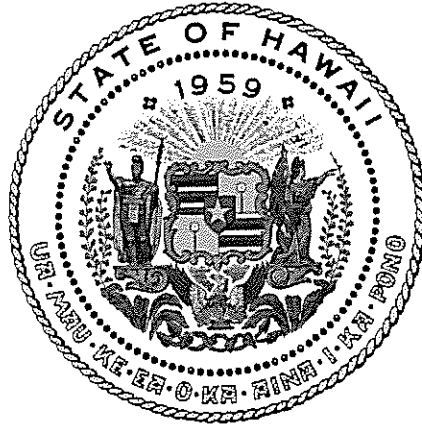
Kohala Institute

 (Name)

1/17/2018
(Date)

D. Noelani Kalipi
(Typed Name)

Executive Director
(Title)



Department of Commerce and Consumer Affairs

CERTIFICATE OF GOOD STANDING

I, the undersigned Director of Commerce and Consumer Affairs of the State of Hawaii, do hereby certify that

KOHALA INSTITUTE

was incorporated under the laws of Hawaii on 01/13/2016 ; that it is an existing nonprofit corporation; and that, as far as the records of this Department reveal, has complied with all of the provisions of the Hawaii Nonprofit Corporations Act, regulating domestic nonprofit corporations.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the seal of the Department of Commerce and Consumer Affairs, at Honolulu, Hawaii.

Dated: January 10, 2018

Director of Commerce and Consumer Affairs

