

**THE THIRTIETH LEGISLATURE
APPLICATION FOR GRANTS
CHAPTER 42F, HAWAII REVISED STATUTES**

Type of Grant Request:

Operating Capital

Legal Name of Requesting Organization or Individual: Db a: Big Island Resource Conservation and Development Council
Big Island Resource Conservation and Development Council (as Fiscal Sponsor for Beyond Organic Consulting)

Amount of State Funds Requested: \$ 59,833

Brief Description of Request (Please attach word document to back of page if extra space is needed):
Hands-on farmer training program for helping farmers increase crop yields and quality. Program includes extensive soil and plant tissue analyses, customized soil amendment/fertilizer mixes, side-by-side on-farm trials, one-on-one mentoring, online Zoom meetings, 19-module video course, and e-book. This training program was developed by Jana Bogs, PhD horticulture/food science, and has been used with great success for the past three years to help Big Island farmers increase yields and quality of vegetable crops.

Amount of Other Funds Available:

State: \$ _____

Federal: \$ _____

County: \$ 15,000

Private/Other: \$ _____

Total amount of State Grants Received in the Past 5 Fiscal Years:

\$ _____

Unrestricted Assets:

\$ 20,729.60

New Service (Presently Does Not Exist): Existing Service (Presently in Operation):

Type of Business Entity:

501(C)(3) Non Profit Corporation

Other Non Profit

Other

Mailing Address: **200 Kanoelehua Ave. PMB 285**

City: **Hilo**

State: **HI**

Zip: **96720**

Contact Person for Matters Involving this Application

Name: **Brandi Milare**

Title: **Program Manager**

Email: **bircd1@gmail.com**

Phone: **808-217-7234**

Federal Tax ID#: **[REDACTED]**

State Tax ID# **[REDACTED]**



Authorized Signature

Larry M. Komata, President

Name and Title

01/19/2023

Date Signed

Application Submittal Checklist

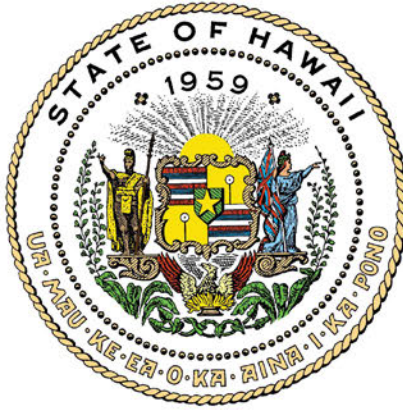
The following items are required for submittal of the grant application. Please verify and check off that the items have been included in the application packet.

- 1) Certificate of Good Standing (If the Applicant is an Organization)
- 2) Declaration Statement
- 3) Verify that grant shall be used for a public purpose
- 4) Background and Summary
- 5) Service Summary and Outcomes
- 6) Budget
 - 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](#))
- 7) Experience and Capability
- 8) Personnel: Project Organization and Staffing


AUTHORIZED SIGNATURE

LARRY M. KOMATA, PRESIDENT
PRINT NAME AND TITLE

01/19/2023
DATE



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

BIG ISLAND RESOURCE CONSERVATION AND DEVELOPMENT COUNCIL

was incorporated under the laws of Hawaii on 10/12/1989 ;
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 19, 2023

Director of Commerce and Consumer Affairs



STATE OF HAWAII
STATE PROCUREMENT OFFICE

CERTIFICATE OF VENDOR COMPLIANCE

This document presents the compliance status of the vendor identified below on the issue date with respect to certificates required from the Hawaii Department of Taxation (DOTAX), the Internal Revenue Service, the Hawaii Department of Labor and Industrial Relations (DLIR), and the Hawaii Department of Commerce and Consumer Affairs (DCCA).

Vendor Name: BIG ISLAND RESOURCE CONSERVATION AND DEVELOPMENT COUNCIL

DBA/Trade Name: Big Island Resource Conservation and Development Council

Issue Date: 01/19/2023

Status: **Compliant**

Hawaii Tax#: 40435414-01
New Hawaii Tax#:
FEIN/SSN#: XX-XXX9188
UI#: XXXXXX8741
DCCA FILE#: 77190

Status of Compliance for this Vendor on issue date:

| Form | Department(s) | Status |
|-------|---|-----------|
| A-6 | Hawaii Department of Taxation | Compliant |
| 8821 | Internal Revenue Service | Compliant |
| COGS | Hawaii Department of Commerce & Consumer Affairs | Exempt |
| LIR27 | Hawaii Department of Labor & Industrial Relations | Compliant |

Status Legend:

| Status | Description |
|---------------|---|
| Exempt | The entity is exempt from this requirement |
| Compliant | The entity is compliant with this requirement or the entity is in agreement with agency and actively working towards compliance |
| Pending | A status determination has not yet been made |
| Submitted | The entity has applied for the certificate but it is awaiting approval |
| Not Compliant | The entity is not in compliance with the requirement and should contact the issuing agency for more information |

**DECLARATION STATEMENT OF
APPLICANTS FOR GRANTS PURSUANT TO
CHAPTER 42F, HAWAI'I REVISED 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, Hawai'i 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, Hawai'i 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; and
- 3) If the applicant is a non-profit organization, it meets the following requirements pursuant to Section 42F-103, Hawai'i 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.
- 4) The use of grant-in-aid funding complies with all provisions of the Constitution of the State of Hawaii (for example, pursuant to Article X, section 1, of the Constitution, the State cannot provide "... public funds ... for the support or benefit of any sectarian or nonsectarian private educational institution...").

Pursuant to Section 42F-103, Hawai'i 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.

Big Island Resource Conservation and Development Council

(Typed Name of Individual or Organization)



(Signature)

01/19/2023

(Date)

Larry M. Komata

(Typed Name)

President

(Title)

INTERNAL REVENUE SERVICE
DISTRICT DIRECTOR
2 CUPANIA CIRCLE
MONTEREY PARK, CA 91755-7406

DEPARTMENT OF THE TREASURY

Date: MAY 10 1994

BIG ISLAND RESOURCE CONSERVATION
AND DEVELOPMENT COUNCIL
PO BOX 2975
KAMUELA, HI 96743-2975

Employer Identification Number:
99-0279188
Case Number:
954108041
Contact Person:
CAROLYN TSCHOPIK
Contact Telephone Number:
(213) 725-7002
Our Letter Dated:
October 17, 1990
Addendum Applies:
No

Dear Applicant:

This modifies our letter of the above date in which we stated that you would be treated as an organization that is not a private foundation until the expiration of your advance ruling period.

Your exempt status under section 501(a) of the Internal Revenue Code as an organization described in section 501(c)(3) is still in effect. Based on the information you submitted, we have determined that you are not a private foundation within the meaning of section 509(a) of the Code because you are an organization of the type described in section 509(a)(1) and 170(b)(1)(A)(vi).

Grantors and contributors may rely on this determination unless the Internal Revenue Service publishes notice to the contrary. However, if you lose your section 509(a)(1) status, a grantor or contributor may not rely on this determination if he or she was in part responsible for, or was aware of, the act or failure to act, or the substantial or material change on the part of the organization that resulted in your loss of such status, or if he or she acquired knowledge that the Internal Revenue Service had given notice that you would no longer be classified as a section 509(a)(1) organization.

If we have indicated in the heading of this letter that an addendum applies, the addendum enclosed is an integral part of this letter.

Because this letter could help resolve any questions about your private foundation status, please keep it in your permanent records.

If you have any questions, please contact the person whose name and telephone number are shown above.

Sincerely yours,



Richard R. Orosco
District Director

Letter 1050 (DO/CG)

Application for Grants

If any item is not applicable to the request, the applicant should enter "not applicable".

I. Certification – Please attach immediately after cover page

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

If the applicant is an organization, the applicant shall submit one (1) copy of a certificate of good standing from the Director of Commerce and Consumer Affairs that is dated no earlier than December 1, 2022.

Please see attached.

2. Declaration Statement

The applicant shall submit a declaration statement affirming its compliance with [Section 42F-103, Hawaii Revised Statutes](#).

Please see attached.

3. Public Purpose

The applicant shall specify whether the grant will be used for a public purpose pursuant to [Section 42F-102, Hawaii Revised Statutes](#).

Please see attached proposal, specifically item #3 under "Background and Summary" for more information. This grant will be used for a public purpose, as detailed in the proposal, pursuant to Section 42F-102.

II. Background and Summary

This section shall clearly and concisely summarize and highlight the contents of the request in such a way as to provide the State Legislature with a broad understanding of the request. Please include the following:

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

Big Island Resource Conservation and Development Council – Fiscal Sponsor

Big Island Resource Conservation and Development Council (BIRCDC) is an incorporated and registered nonprofit organization within the State of Hawai'i, operating since 1975. We provide fiscal sponsorship to support others in their goals to conserve, enhance, and promote the economic, cultural, and natural environment of Hawai'i.

Big Island RC&D Council is made up of an executive committee, representatives from various soil and water conservation districts throughout the Island of Hawaii, a mayor's representative, a program manager, and at-large community representatives. The variety of backgrounds and knowledge base allows for a wide-range of environmental and natural resource concerns to be effectively addressed through the development of projects for public purpose, and the fulfillment of grant opportunities.

Beyond Organic Consulting – Dr. Jana Bogs

Dr. Jana Bogs, of Beyond Organic Consulting, holds a PhD in horticulture and food science from Colorado State University. She has done original, dissertation research connecting soil health to crop production and quality.

Dr. Bogs has worked directly with Hawaii farmers since 2009, helping them to grow more and better quality foods. Grant funding through the years has encouraged many farmers to be able to participate and improve their crop quality and yields.

Dr. Bogs' focus is to improve crop yields and quality by addressing soil health, which is assessed using much more extensive testing than is commonly available. Based on the analyses, Dr. Bogs creates a custom mix of soil amendments for each plot to optimize the soil. The methods and materials are environmentally sustainable. Measured yield increases in side-by-side on-farm trials with multiple farmers through the years have been between 33 to 920%. In all cases, the farmers were asked to use their typical methods on their control plots, while the experimental plots were raised with Nutrition Grown™ materials and methods. In this way, farmers experience the differences that can be achieved on their own land.

Dr. Bogs has written a book on the subject, and developed and taught an online course. It is these materials, along with soil and plant tissue analyses, group Zoom meetings, one-on-one consulting, hands-on application work, and farmers tracking the progress of their crops that makes up the educational program for Big Island food producers.

2. The goals and objectives related to the request;

Goals

- 1) Teach Nutrition Grown™ farming techniques to twelve (12) Big Island food producers primarily via online methods, but also including on-site, hands-on application education.
- 2) Establish side-by-side trial plots on food producers' land for educational purposes and documentation of differences made by the program.

- 3) Perform pre- and post- soil analyses, and plant tissue nutrient analyses to improve farming systems, and for objective data documentation of changes.
- 4) Measure differences in growth, crop yields and qualities of produce.
- 5) Share information and knowledge gained from the project with many people throughout the state and beyond through online and offline resources, and live presentations at agricultural events.

Objectives

- 1) Allow food producers to learn farming techniques which improve crop success and yields using environmentally-friendly methods.
 - 2) Make more and better-quality foods available to Hawaii residents from locally-grown, environmentally-friendly sources.
3. The public purpose and need to be served;

This project directly addresses the issues of food security, hunger, health and agricultural economic development. With approximately 85% of Hawaii's food being imported, our islands are vulnerable to food shortages in crisis situations, such as storms which interrupt shipping. Supplying fresher, more nutrient-rich foods--particularly fruits and vegetables--on island will provide needed nutrition for our peoples' health. Growing more of our own foods also drives community economic development and provides jobs.

Dr. Bogs' work to educate the community and Big Island food producers in improving crop success, including the quality and quantity of foods grown, and their marketability will, in turn, help supply more locally-produced, highly nutritious foods to Hawaii residents.

4. Describe the target population to be served;

The immediate target population is Big Island farmers chosen based on their level of interest in the program and their potential ability to implement the newly-learned farming techniques on a wider scale after completing the course. Ultimately, it is the consumer who benefits from fresh, delicious, healthy foods.

5. Describe the geographic coverage.

This educational course would primarily cover the Big Island of Hawaii, but its outcomes could potentially have a state-wide effect due to exporting foods to other islands and online sharing of information.

III. 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. Describe the scope of work, tasks and responsibilities;

Dr. Jana Bogs will deliver to twelve (12) growers the educational course which consists of:

- ❖ Nineteen (19) half-hour online teaching videos with accompanying slide handouts, lesson questions and e-book. These modules, provided at two modules per week, can be completed by students when they have time to view them.
- ❖ Live, online Zoom group meetings that encourage participation and interaction between students and the instructor.
- ❖ On-site visits to student growing plots as needed for soil samples (pre- and post-growing period), application of soil amendments, and plant tissue samples.
- ❖ Comprehensive pre- and post-analyses of soil, including microbiology, seventeen mineral elements, pH, electrical conductivity, organic matter, cation exchange capacity, etc. interpreted by Dr. Bogs for the Nutrition Grown™ program, with detailed recommendations for soil amendments/fertilizers.
- ❖ Plant tissue analysis to be performed for determining inputs and for comparison data.
- ❖ One-on-one consulting with students as necessary to implement the program.
- ❖ Supplies for each student with soil amendments/fertilizers needed for a 200-1000 sf experimental plot (size depends on crop type) and assistance as needed with application.
- ❖ Students are required to manage the crops on a daily basis and keep records.
- ❖ Students who complete the course will receive certificates of completion.

2. Provide a projected annual timeline for accomplishing the results or outcomes of the service;

July-August 2023: Recruiting of students

September 2023: Course begins; soil/plant tissue analysis begins

October 2023: Soil amending begins

February 2024: Annual crop planting begins (timing depends on crop type)

April to May 2024: Crop harvesting/plant tissue analysis (timing depends on crop) and re-sampling of soil for comparison testing

May to June 2024: Compilation/dissemination of crop and soil data; completion of course

June 2024: Final report/findings

3. Describe its quality assurance and evaluation plans for the request. Specify how the applicant plans to monitor, evaluate, and improve their results;

Dr. Bogs will monitor and evaluate the soil pre- and post-intervention, and plant tissue analyses obtained through third-party laboratories. Students will be required to document their crops' progression and yields, including photo documentation. Students'

progress will be tracked throughout the course, with extra attention given to students who are having difficulty implementing the steps. At the end of the course, students will be asked to fill out course evaluation questionnaires which will be used for improving the training program.

4. List the measure(s) of effectiveness that will be reported to the State agency through which grant funds are appropriated (the expending agency). The measure(s) will provide a standard and objective way for the State to assess the program's achievement or accomplishment. Please note that if the level of appropriation differs from the amount included in this application that the measure(s) of effectiveness will need to be updated and transmitted to the expending agency.

Effectiveness of the program may be seen in:

- 1) Number of students completing the program.
- 2) Students' responses on course evaluation questionnaire.
- 3) Differences in soil quality parameters compared over time (pre- and post-intervention).
- 4) Differences in plant tissue parameters compared over time.
- 5) Crop parameters tracked by students regarding crop health, pest and disease issues, crop yields, flavor, appearance, shelf life and marketability.

IV. 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)

Please see attached budget sheets.

2. The applicant shall provide its anticipated quarterly funding requests for the fiscal year 2024.

| Quarter 1 | Quarter 2 | Quarter 3 | Quarter 4 | Total Grant |
|-----------|-----------|-----------|-----------|-------------|
| \$15,000 | \$15,000 | \$15,000 | \$14,833 | \$59,833 |

3. The applicant shall provide a listing of all other sources of funding that they are seeking for fiscal year 2024.

County of Hawaii Non-Profit Grant \$18,000 (will apply)

4. The applicant shall provide a listing of all state and federal tax credits it has been granted within the prior three years. Additionally, the applicant shall provide a listing of all state and federal tax credits they have applied for or anticipate applying for pertaining to any capital project, if applicable. N/A
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 2024 for program funding.

2023-2024 County of Hawaii Non-Profit Grant--Will Apply \$18,000

2022-2023 County of Hawaii Non-Profit Grant \$15,000

2021-2022 County of Hawaii Non-Profit Grant \$13,000

2020-2021 County of Hawaii Non-Profit Grant \$10,550

6. The applicant shall provide the balance of its unrestricted current assets as of December 31, 2022.

Beyond Organic Consulting: \$20,729.60

Big Island Resource Conservation and Development Council: \$60,513.00

V. Experience and Capability

1. Necessary Skills and Experience

The applicant shall demonstrate that it has the necessary skills, abilities, knowledge of, and experience relating to the request. State your experience and appropriateness for providing the service proposed in this application. The applicant shall also provide a listing of verifiable experience of related projects or contracts for the most recent three years that are pertinent to the request.

Dr. Jana Bogs has over 14 years of experience with soil and plant tissue analysis. She has developed and proven the efficacy of Nutrition Grown™ methods to significantly improve soil and crops, with trials showing 33-920% increase in crop yields with multiple side-by-side on-farm trials.

Dr. Bogs published a book in 2013, *Beyond Organic...Growing for Maximum Nutrition and Flavor*, which hit #1 on Amazon in two categories. This book is used as part of the farmer training. Furthermore, Dr. Bogs developed her online Perfect Soil™ course which has been well received and also used as part of the farmer training for several years.

Dr. Bogs had a grant-funded research and demonstration garden based at HIP Agriculture from 2016 to 2019. This project, Nutrition Farming for Hawaii, was fiscally sponsored by the North Kohala Community Resource Center. This garden hosted over

400 school children and agricultural student interns annually, plus supplied produce to the Farm-to-School program. Significant improvements in the former sugarcane land soil and in food nutrient content were realized. Average experimental food nutrient values were roughly double the USDA Food Nutrient Database values, showing that food nutrient content can be restored to values of a century ago through proper management practices.

More recently, under the fiscal sponsorship of Big Island Resource, Conservation and Development, Dr. Bogs has received several grants. These have been used to extend the Nutrition Grown™ training to several farmers across the Big Island. These farmers ranged from beginner farmers to seasoned commercial farmers. The training included side-by-side trials on their own land so they could experience the differences to be had on their own land.

In 2019-2020, funds were received from the County of Hawaii Non-Profit Grant and the Yokoyama Fund. Three farmers participated. Highlights include the on-farm trial of Bryan Riley, a commercial farmer from Ka'u, who tripled the size of his beets and grew huge heads of delicious lettuce with glorious color and extremely long shelf life. Bryan commented that "The Nutrition Grown™ farming methods make farming so easy, I feel like I'm cheating."

In 2020-2021, funds were received from the County of Hawaii Non-Profit Grant. Again, three farmers participated. All farmers greatly increased their yields in the farm trials—as much as 920%. Commercial certified organic lettuce farmer, Chad Wasserman, stated in the course evaluation, "This course will provide you with the tools and education to make informed decisions about soil amendments and practices to get you on the right path to success."

In 2021-2022, funds were received from the County of Hawaii Non-Profit Grant. Four farmers participated. Beginning farmer, Bryan Hein, had this to say in the evaluation: "The changes were unbelievable! The Nutrition Grown™ amended soil/plants did very well as opposed to the control side that did very poorly." "I believe Jana's work to be critical to growing healthy and nutritious food, and I've found her methods of checking and amending the soil to be extremely time and cost effective."

In 2022-2023, funds were received from the County of Hawaii Non-Profit Grant and the Atherton Family Foundation Grant. We are currently in the midst of training. Seven farmers are participating.

Farm trial results can be seen in detail on www.BeyondOrganicResearch.com/blog.

2. Facilities

The applicant shall provide a description of its facilities and demonstrate its adequacy in relation to the request. If facilities are not presently available, describe plans to secure facilities.

Facilities utilized for this educational course consist of mainland third-party testing laboratories, and Dr. Jana Bogs' fully-functional office, lab (with microscope, scales, dehydrator, etc.), and storage/mixing space for soil amendments/fertilizers. We are requesting a new equipment purchase of an Imer 120 Plus mixer for preparing custom soil amendment/fertilizer mixes. Dr. Bogs visits the farms and delivers soil amendments in her 4x4 pickup truck. She takes a drop spreader, sprayer, etc. to apply the amendments and assists with applications. Farmers supply their own growing plots, along with areas for online access to course materials.

VI. Personnel: Project Organization and Staffing

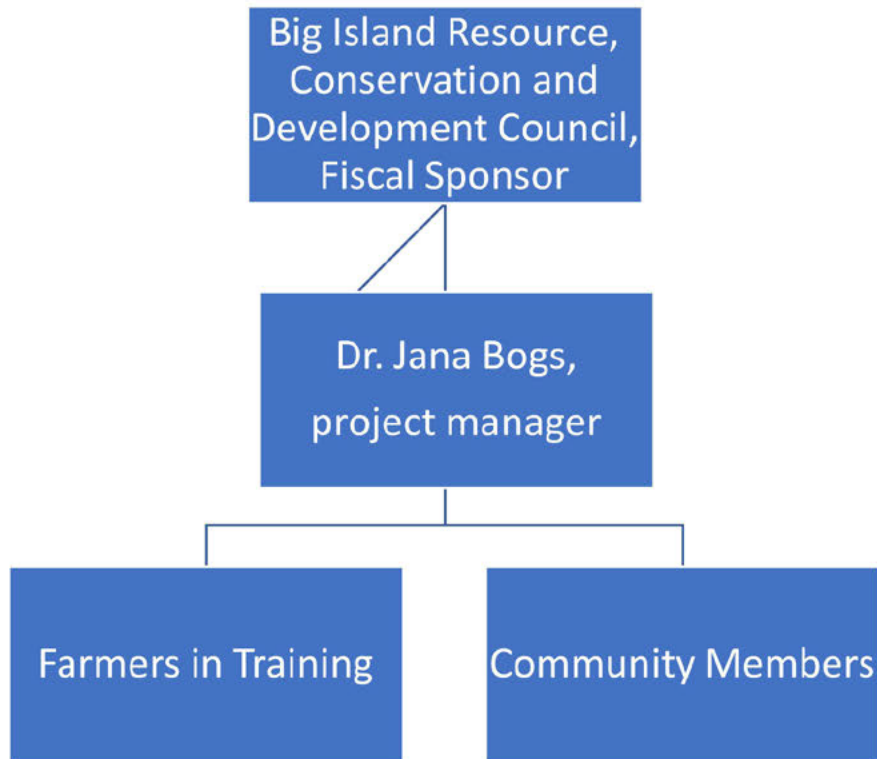
1. Proposed Staffing, Staff Qualifications, Supervision and Training

The applicant shall describe the proposed staffing pattern and proposed service capacity appropriate for the viability of the request. The applicant shall provide the qualifications and experience of personnel for the request and shall describe its ability to supervise, train and provide administrative direction relative to the request.

Dr. Jana Bogs has melded formal university training in nutrition and horticulture to bring better quality foods to our dinner plates. She has researched, developed and proven the efficacy of Nutrition Grown™ methods of production for significantly improving food quality and quantity. Dr. Bogs has a published book and an online, interactive course which helps growers to improve their crops. Working under Big Island Research, Conservation and Development Council as fiscal sponsor for grant funding, she is making this knowledge easily accessible for Big Island food producers through leading this integrated training project. Dr. Bogs has been successfully running this program for over three years.

2. Organization Chart

The applicant shall illustrate the position of each staff and line of responsibility/supervision. If the request is part of a large, multi-purpose organization, include an organization chart that illustrates the placement of this request.



3. Compensation

The applicant shall provide an annual salary range paid by the applicant to the three highest paid officers, directors, or employees of the organization by position title, not employee name.

Project manager: Based on \$90,000 annual salary with this project taking 30% of time, for a request of \$27,000.

VII. Other

1. Litigation

The applicant shall disclose any pending litigation to which they are a party, including the disclosure of any outstanding judgement. If applicable, please explain.

Not Applicable

2. Licensure or Accreditation

The applicant shall specify any special qualifications, including but not limited to licensure or accreditation that the applicant possesses relevant to this request.

Beyond her PhD in horticulture and food science, Dr. Bogs is a member of the Soil Analyst Cooperative as a registered soil consultant, and an active member (and former board member) of Hawaii Farmers Union United (HFUU).

3. Private Educational Institutions

The applicant shall specify whether the grant will be used to support or benefit a sectarian or non-sectarian private educational institution. Please see [Article X, Section 1, of the State Constitution](#) for the relevance of this question.

Not Applicable

4. Future Sustainability Plan

The applicant shall provide a plan for sustaining after fiscal year 2023-24 the activity funded by the grant if the grant of this application is:

- (a) Received by the applicant for fiscal year 2023-24, but
- (b) Not received by the applicant thereafter.


Providing this course to farmers free of charge is important due to the financial challenges endured by most farmers. A recent study by the University of Hawaii found that 48% of farmers under age 46 experience depression, with 14% being suicidal. Financial and crop production concerns were listed as some of the main reasons. To move forward with Hawaii's goal of becoming more food self-sufficient by doubling food production means we must heavily support our existing farmers while encouraging beginning farmers.

Without continued funding from the State GIA, funding will be sought from other sources, such as the County of Hawaii Non-profit Grant, the Specialty Crop Block Grant program, the Atherton Family Foundation, the Healy Foundation, and potentially other funding sources.

BUDGET REQUEST BY SOURCE OF FUNDS

Period: July 1, 2023 to June 30, 2024

Applicant: Big Island Resource Conservation and Development Council as Fiscal Sponsor for Beyond Organic Consulting

| 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 | 27,000 | | | |
| 2. Payroll Taxes & Assessments | | | | |
| 3. Fringe Benefits | | | | |
| TOTAL PERSONNEL COST | 27,000 | | | |
| B. OTHER CURRENT EXPENSES | | | | |
| 1. Airfare, Inter-Island | | | | |
| 2. Insurance | | | | |
| 3. Lease/Rental of Equipment | | | | |
| 4. Lease/Rental of Space-- office, storage | 4,800 | | | |
| 5. Staff Training | | | | |
| 6. Supplies-- amendments, office, lab | 3,600 | | | |
| 7. Telecommunication-- computer, phone | 700 | | | |
| 8. Utilities--electricity, water, Internet | 1,200 | | | |
| 9. Advertising-- for recruiting farmers | 1,500 | | | |
| 10. Travel Expenses-- 5000 mi x \$0.655/mi | 2,750 | | | |
| 11. Laboratory Fees-- \$650 x 12 farmers | 7,800 | | | |
| 12. Fiscal Sponsor Fee 10% | 5,983 | | | |
| 13 | | | | |
| 14 | | | | |
| 15 | | | | |
| 16 | | | | |
| 17 | | | | |
| 18 | | | | |
| 19 | | | | |
| 20 | | | | |
| TOTAL OTHER CURRENT EXPENSES | 28,333 | | | |
| C. EQUIPMENT PURCHASES-- Mixer | 4,500 | | | |
| D. MOTOR VEHICLE PURCHASES | | | | |
| E. CAPITAL | | | | |
| TOTAL (A+B+C+D+E) | 59,833 | | | |
| SOURCES OF FUNDING | | Budget Prepared By: | | |
| (a) Total State Funds Requested | 59,833 | Jana Bogs 808-938-9888 | | |
| (b) Total Federal Funds Requested | | Name (Please type or print) Phone | | |
| (c) Total County Funds Requested | |  1/19/2023 | | |
| (d) Total Private/Other Funds Requested | | Signature of Authorized Official Date | | |
| TOTAL BUDGET | 59,833 | Larry M. Komata, President Name and Title (Please type or print) | | |

BUDGET JUSTIFICATION - EQUIPMENT AND MOTOR VEHICLES

Period: July 1, 2023 to June 30, 2024

Applicant: Big Island Resource Conservation and
Development Council as Fiscal Sponsor for
Beyond Organic Consulting

| DESCRIPTION EQUIPMENT | NO. OF ITEMS | COST PER ITEM | TOTAL COST | TOTAL BUDGETED |
|--|-----------------|------------------|---------------|-------------------|
| Imer Mixer 120 Plus (for mixing soil amendments/fertilizers) | 1.00 | \$4,500.00 | \$ 4,500.00 | |
| | | | \$ - | |
| | | | \$ - | |
| | | | \$ - | |
| | | | \$ - | |
| TOTAL: | 1 | | \$ 4,500.00 | |
| JUSTIFICATION/COMMENTS: | | | | |

| DESCRIPTION OF MOTOR VEHICLE | NO. OF VEHICLES | COST PER VEHICLE | TOTAL COST | TOTAL BUDGETED |
|---------------------------------|--------------------|---------------------|---------------|-------------------|
| | | | \$ - | |
| | | | \$ - | |
| | | | \$ - | |
| | | | \$ - | |
| | | | \$ - | |
| TOTAL: | | | | |
| JUSTIFICATION/COMMENTS: | | | | |

BUDGET JUSTIFICATION - CAPITAL PROJECT DETAILS

Period: July 1, 2023 to June 30, 2024

Applicant: Big Island Resource Conservation and Development Council as Fiscal Sponsor for Beyond Organic Consulting

| 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: 2021-2022 | FY: 2022-2023 | FY:2023-2024 | FY:2023-2024 | FY:2024-2025 | FY:2025-2026 |
| PLANS | | | | | | |
| LAND ACQUISITION | | | | | | |
| DESIGN | | | | | | |
| CONSTRUCTION | | | | | | |
| EQUIPMENT | | | | | | |
| TOTAL: | | | | | | |
| JUSTIFICATION/COMMENT Not Applicable | | | | | | |

GOVERNMENT CONTRACTS, GRANTS, AND / OR GRANTS IN AID

Applicant: Big Island Resource Conservation and Development Council as Fiscal Sponsor for Beyond Organic Consulting

Contracts Total: 15,000

| | CONTRACT DESCRIPTION | EFFECTIVE DATES | AGENCY | GOVERNMENT ENTITY (U.S./State/Hawaii/ Honolulu/ Kauai/ Maui County) | CONTRACT VALUE |
|----|-----------------------------------|------------------------|------------------|--|-----------------------|
| 1 | COUNTY OF HAWAII NON-PROFIT GRANT | 7/1/2022 - 6/30/23 | COUNTY OF HAWAII | HAWAII COUNTY | 15,000 |
| 2 | | | | | |
| 3 | | | | | |
| 4 | | | | | |
| 5 | | | | | |
| 6 | | | | | |
| 7 | | | | | |
| 8 | | | | | |
| 9 | | | | | |
| 10 | | | | | |
| 11 | | | | | |
| 12 | | | | | |
| 13 | | | | | |
| 14 | | | | | |
| 15 | | | | | |
| 16 | | | | | |
| 17 | | | | | |
| 18 | | | | | |
| 19 | | | | | |
| 20 | | | | | |
| 21 | | | | | |
| 22 | | | | | |
| 23 | | | | | |
| 24 | | | | | |
| 25 | | | | | |
| 26 | | | | | |
| 27 | | | | | |
| 28 | | | | | |
| 29 | | | | | |
| 30 | | | | | |

Jana D. Bogs, MS, PhD

P O Box 525
Naalehu, Hawai'i 96772

(808) 938-9888
Email: JanaBogs@gmail.com

www.BeyondOrganicResearch.com

EDUCATION

PhD Horticulture/Food Science and Safety, Colorado State University, 3.83 GPA, August 2009
MS Animal Science, Texas A&M--Kingsville, 4.0 GPA, May 2005
BS Nutrition, University of Texas Health Science Center at Houston, Highest Honors, 3.99 GPA, 1988

EXPERIENCE

- 2009-present Director of Beyond Organic Consulting, Inc.
Soil and crop consultant and researcher focused on improving the full-spectrum of food nutrient content, quality, flavor, shelf life, and pest and disease resistance in plants. Working to "create health from the soil up" by going "beyond organic" to "Nutrition Grown™" utilizing comprehensive soil and plant tissue analyses, and organically-approved amendments. www.BeyondOrganicConsulting.com
- 1977-2020 Self-employed Horse Trainer and Riding Instructor
Winner of state, regional and national championships. Certified Horseman's Association (CHA) Certified Master Riding Instructor. United States Pony Club (USPC) Instructor. 4-H Horse Club riding instructor.
- 2016-present Project Manager for Nutrition Farming for Hawaii research and demonstration garden and Nutrition Grown Farmer Training Course
- 2007-2009 Colorado State University Graduate Research Assistant
Compared various cultivation systems, measuring effects on soil microbiology, plant tissue minerals, fruit nutritional qualities and shelf life, human sensory perception of fruit and human blood glucose response to fruit.
- 2005-2006 Iowa State University Graduate Research Assistant with fellowships
Research involved animal feeding studies with focus on blood glucose response.
- 1994-2006 Hallelujah Acres Health Counselor (human nutritionist)
Hallelujah Acres is a highly successful organization dedicated to helping people heal through dietary changes. I contributed to some of their books and helped design nutritional products.
- 2001-2005 Self-employed Equine Nutritionist
Individualized testing of horses, custom supplementation and feed rations.
- 1995-2000 Independent Network Marketer for nutrition/health products company, Starfire International.
Often #1 in sales. Appointed "Captain of the Success Team" by the company board of directors. In this leadership position, I helped other sales people achieve success. Work involved all aspects of running a business--including writing sales literature, placing ad copy, scripting/recording videos, phone/Internet sales, mass mailings, accounts receivable/payable.
- 1989-1995 Human Nutritionist/Medical Technician
Dietary counseling, phlebotomy, ozone therapy, chelation therapy, nutritional I.V. therapy (original published research in this area), allergy testing/treatment, EKG testing, Doppler studies, body composition analysis, blood and urine laboratory analyses, pulmonary function analysis, purchasing, preparation of allergy extracts, EAV testing (electro-acupuncture according to Voll), hair analyses, creation of patient instruction video.
- 1988-1989 Self-employed Human Nutritionist
Designed individual nutrition plans based on hair mineral analyses; private counseling.

EMPLOYERS

- 2009-Present Director, Beyond Organic Consulting, Inc., Naalehu, Hawai'i
- 1977-2020 Self-employed riding instructor, horse trainer, equine nutritionist
- 2007-2009 Colorado State University, Fort Collins, Colorado
- 2005-2006 Iowa State University, Ames, Iowa
- 1995-2000 Self-employed independent network marketer—health products
- 1992-1995 Big Island Center for Allergy, Ear, Nose & Throat, Hilo, Hawai'i
- 1990-1992 Big Island Allergy and Environmental Medicine Center, Kamuela, Hawai'i
- 1989-1990 McRee Medical Center, Robert Battle, MD, Houston, Texas
- 1988-1989 Self-employed human nutritionist, Therapy Group, Breckenridge, Colorado

HONORS, AWARDS AND GRANTS

- 2019-2022 Multiple grants received through Big Island RC&D for Nutrition Grown Farmer Training Course
- 2018 Grants received through North Kohala Community Resource Center for Nutrition Farming for Hawaii
- 2017 Grants received through North Kohala Community Resource Center for Nutrition Farming for Hawaii
- 2016 Grant received through North Kohala Community Resource Center for Nutrition Farming for Hawaii
- 2014 Grant received from Sustainable Kohala for microscope and microbiological analyses for local schools
- 2013 Grant received from Sustainable Kohala for Controlling Toxic Fireweed through Natural Means
- 2013 2nd Place Winner in the Health Division of The Transformation Contest (47,000+ contestants)
- 2012 Winner of the One Island Sustainability Challenge Award for Agriculture (Big Island of Hawai'i)
- 2008 Travel Abroad Scholarship culminating in Certificate in Sustainable Agriculture
- 2006 National Scholars Honor Society
- 2006 Florence Pen Scholarship, Iowa State University
- 2005 Plant Sciences Institute Fellowship, Iowa State University
- 2005 Hattie C. Lundgren Graduate Fellowship, Iowa State University
- 2005 Barbara E. Forker Scholarship, Iowa State University
- 2005 Pearl Swanson Graduate Fellowship, Iowa State University
- 2005 Family and Consumer Sciences Graduate Scholarship, Iowa State University
- 2005 Pratt Fellowship, Virginia Tech (turned down to accept fellowship at ISU)
- 2004 The Chancellor's List
- 2001 Area V Eventing Champion (Texas, Oklahoma, Arkansas, Louisiana)
- 1996 U.S. National Andalusian Horse Show--National Champion--Hunt Seat Open
- 1987 The National Dean's List
- 1984 Freshman Chemistry Award--Chemical Rubber Company
- 1983 Qualified Mensa (Top 2% of intelligence)

PUBLICATIONS

- 2017 "Nutrition Farming for Hawaii Project Improves Local Soil", Kohala Mountain News
- 2017 "Nutrition Farming vs. USDA Food Nutrient Values", Kohala Mountain News
- 2017 "Grant Received for Research and Demonstration Garden", Kohala Mountain News
- 2016 "Local Farmers Union Chapter is about Much More than just Farming", Kohala Mountain News
- 2015 "Herbicides—Dangers and Alternatives", Kohala Mountain News
- 2015 "Little Fire Ants Reported in Kohala", Kohala Mountain News
- 2015 "Kohala Chapter of Hawai'i Farmers Union United Established", Kohala Mountain News
- 2014 Book chapter—"Maximizing Nutrition in the Vegan Diet" in Rethink Food
- 2013 Book--hit #1 on Amazon.com—Beyond Organic... Growing for Maximum Nutrition and Flavor
- 2012 Book chapter—Sacred Geometry Gardens, The Heart of Superfood Gardening
- 2012 Scientific journal article—Reference: Jana Bogs, Marisa Bunning, Cecil Stushnoff.
Influence of biologically-enhanced organic production on antioxidant and sensory qualities of (Malus x domestica Borkh. cv Braeburn) apples. Organic Agriculture 2012; 2(2):117-126.
- 2009 Doctoral Dissertation--Effects of Organic, Biological, and Conventional Production Methods on Apple Antioxidant Levels, Sensory Qualities and Human Glycemic Response.
- 2005 Masters' Thesis--Effect of Feeding Dehydrated Young Wheat Grass Pellets to Horses on Antioxidant Levels and Immune Status
- 1995 Contributed to the book, God's Way to Ultimate Health, Hallelujah Acres Publishing
- 1992 Original Research on I.V. therapy formulations published in The Environmental Physician

ASSOCIATIONS

Hawaii Farmers Union United, Ka`u chapter member--helped establish Kohala chapter in 2014, past VP
Soil Analyst Cooperative—registered soil consultant
Master Gardeners Program--West Hawai`i Chapter—Certified Master Gardener in 2012
Big Island Resource Conservation and Development Project Organizer—writing grant proposals since 2011

RECENT SPEAKING ENGAGEMENTS

2022 6th Annual “Going Nuts for the Holidays” Festival--Kona
2019 11th Annual Mango Festival--Kona
2019 Hawaiian Sanctuary’s Plant Aloha Class
2018 Good Intentions Radio interview with Tim Ray
2018 Kauai Community Radio (KKCR) interview with Paul Massey, “In the Garden, On the Farm”
2018 Kealahou Library talk, “Soil Nutrition”
2017 3rd Annual Going Nuts for the Holidays Festival, Kailua-Kona, Hawaii
2017 Third Thursday Thrive, Honokaa, Hawai`i, “Nutrition Farming for Hawaii”
2017 9th Annual Big Island Mango Festival, Kailua-Kona, Hawai`i
2016 North Kohala Radio (KNKR) interview with Holly Algood
2015 Kohala Chapter of Hawai`i Farmers Union United Meeting, Hawi, Hawai`i
2015 Going Nuts for the Holidays Festival, Keauhou, Hawai`i
2015 Korean Natural Farming Symposium, Hilo, Hawai`i, “Manage your Microbes”
2014 to 2015 Instructor for Farmer Collaboration and Training, grant support from Walmart Foundation
2014 Third Thursdays Thrive Gathering, Honoka`a, Hawai`i
2014 Basically Books, Hilo, Hawai`i Book Signing Presentation, “Feed the Plants, Heal the People”
2014 One Island film showing-- “Symphony of the Soil”, Honoka`a, Hawai`i, discussion leader
2014 Seeds & Soil Library Talk, Kapa`au, Hawai`i, “Going Beyond Organic to Nutrition-Grown”
2014 Kona Stories’ Words and Wine Book Signing Presentation, “BOGS—What’s in a Name?”
2014 8th Annual Big Island Avocado Festival, Keauhou, Hawai`i—“Agriculture vs. Agribusiness”
2014 7th Annual Kona Coffee Expo and Trade Show, Kailua-Kona, Hawai`i, “What’s Bugging Your Coffee?” Panel
2013 Hawai`i Farmers Union United, Kealahou, Hawai`i, “Growing for a Quality Marketing Edge”
2013 Kohala Elementary School Garden Work Day, Hawi, Hawai`i, “Grow the Best Food Ever”
2013 5th Annual Big Island Mango Festival, Keauhou, Hawai`i
2013 7th Annual Big Island Avocado Festival, Keauhou, Hawai`i—“Keeping the Culture in Agriculture”
2012 Living Arts Gallery—Literary Evening, Hawi, Hawai`i, “Nutrition-Grown Foods—Exploring the Possibilities”
2012 Tropical Edibles Nursery, Captain Cook, Hawai`i, 2-day Workshop “Healthy Soil = Better Crops”
2012 Auntie’s Lil’ Green Hut, Kahuku, Oahu, Hawai`i, “Creating Health from the Soil Up”
2012 Mangoes at the Moana, Waikiki, Hawai`i, “The Quest for The Best”
2012 Tangshan Agricultural Conference, Tangshan, China, “The Next Level for Organic Agriculture”
2012 Eat Locally Grown Week, Hawi, Hawai`i, “Soil Testing for Growing Better Quality Food”
2012 West Hawai`i Master Gardeners, Kainaliu, Hawai`i, “Going Beyond Organic to Nutrient-Rich”
2012 One Island Sustainable Living Center, Honaunau, Hawai`i, “Beyond Organics”
2012 TedX Hilo, Hilo, Hawai`i, “Committed to Nutritional Farming”
2011 Hawai`i Island Sustainability Forum, Hilo, Hawai`i, “Creating Health for Hawai`i from the Soil Up”
2011 Jim Channon’s Artesia, Hawi, Hawai`i, “Gardening for Greater Nutrition”
2011 Dragonfly Ranch: Healing Arts Center, Honaunau, Hawai`i, “Healthy Plants: Healthy Body”
2011 5th Annual Big Island Avocado Festival, Captain Cook, Hawai`i
2011 Sustainable Kohala, Kapaau, Hawai`i, “Growing for Greater Nutrition”

ADDITIONAL INFORMATION

2017 Cookbook Contest Winner, published in The Sea Salt Cookbook by Celtic Sea Salt
2012 Mango judge, Mangoes at the Moana, Waikiki, Hawai`i
2012 Mango recipe judge, Big Island Mango Festival, Keauhou, Hawai`i
2008-2009 Notary Public for the State of Colorado
2008 Colorado Congressional District and State Delegate; US Presidential Election Judge
2005 Graduate Record Examination Scores--630 Verbal, 680 Quantitative, 660/4.0 Analytical
Extensive travel—including most of the 50 states of the USA, Canada, Mexico, several Caribbean islands, Costa Rica, England, Wales, Ireland, Scotland, Germany, Belgium, Austria, Italy, Switzerland, France, Monaco, Spain, Portugal, Israel, Bermuda, Australia, China, Fiji.



P.O. Box 99, Wailuku, HI 96793-0099

Vincent Mina
State President
HFUU/HFUF

Anabella Bruch
Vice-President
HFUU/HFUF

Maureen Datta
Secretary
HFUU/HFUF

Reba O'Day
HFUU Treasurer
Maui

Gai Byrne Baber
HFUF Treasurer

Chapter Presidents

Drake Weinert
East Hawai'i

Steve Lund
Puna, Hawai'i

Matthew Drayer
K'au, Hawaii

Maureen Datta
Kona, Hawai'i

Dash Kuhr
Kohala, Hawai'i

Robert Boudreaux
Hana, Maui

Reba O'Day
Haléakala, Maui

Bobby Pahia
Mauna Kahalawai, Maui

Kaipō Kekona
Lahaina, Mau

Brynn Foster
North Shore, Oahu

Christian Zuckerman
Wai'anae, Oahu

Vincent Kimura
Waimanalo, Oahu

Anabella Bruch
Kauai

Aloha Selection Committee,

HFUU 501(c)5 is a chartered chapter of the National Farmers Union and has ~1,000 members, organized in 14 chapters across the islands. Our programs include the Farm Apprentice Mentoring (FAM) Program, which has graduated over 80 apprentices, a farmers' market as well as our popular conferences. HFUU also holds a seat on the Hawaii Board of Agriculture and works with others in a collaborative and cooperative spirit on other boards and commissions.

We also support our local food producers through HFUF, our 501(c)3 charitable foundation, which manages programs ranging from restoration of traditional Hawaiian agricultural lands, cooperative ulu production, a unique tool lending program, as well as a variety of educational programs in regenerative agricultural soil practices.

We will happily support Dr. Bogs in recruiting farmers for her interactive course, and provide a venue at our annual conference for there to disseminate data that comes from the farm trials. We feel that the information Dr. Bogs provides to farmers to improve their specialty crops using environmentally-sound methods is of crucial importance to Hawaii's sustainable future.

Please do not hesitate to reach out with any questions about our strong support of this project and our wish for its continued success.

Sincerely,

Vincent Mina
President HFUU/HFUF