Dear HIP Agriculture Ohana,

Thank you for continuing to support and encourage our mission! We are proud to complete our tenth year of growing food, educating new farmers, teaching students in the North Kohala School district, and being an active community member. This year marks a milestone for us, as we were granted our 501(c)(3) status. It is an honor to continue our work under this nonprofit designation.

During 2017, we delivered our farm produce to the Kohala cafeteria in support of the Farm-to-School program, lead in-classroom discussions and workshops at Kohala high school, middle and elementary schools, hosted hundreds of youth for field trips to our farm, mentored high school students to revitalize the Kohala high school farm, and hosted young adults from around the country for our residential farm internship and apprenticeship programs. We served over 3,000 community members through farmers’ markets and our annual event, ‘Āina Fest.

We look forward to a productive and vital year ahead. In 2018, our organization will expand to run operations from the Starseed Ranch in Kohala. We are expanding our Farm-to-School program by offering a larger variety of foods from our new campus. Our youth programming will now include structured STEM lessons in the classroom equipped with new microscopes and tools. From life cycles to soil composition, students will gain a balanced understanding of farming from beginning to end.

Thank you for all of your continued support and we hope to see you on the land soon.

Mahalo,
Dash and Erika
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MISSION

To practice and teach ecologically conscious agriculture, empowering individuals and communities to cultivate alternative systems of living that restore human and environmental health.

2017 HIGHLIGHTS

• 1,364 students served in North Kohala

• Implementation of the Farm to School (F2S) program in the North Kohala School District - providing school children with locally sourced, fresh food in their lunches.

• 6 grants awarded for a total of $79,500 in funding.

• 49 Farm Apprentice & Interns educated on the land.

• 3,333 community members served through a variety of educational offerings.
HIP Ag is a leading community partner with the Kohala Department of Education (DOE) complex and beyond in providing agriculture and nutrition education. We offer a pipeline of agricultural education programs to the community of N. Kohala. Our programs are designed to mentor students at every age by connecting them to their food, their health, and agriculture. HIP Ag fulfills its mission through outdoor agriculture education programming for K-12, farmer training in the form of HS mentorship, post-secondary apprenticeships, and internships on our production farm.

977 participated in workshops, in-school presentations and community events.

351 participated in field trips to the farm.

36 participated in after-school programming.

1,364 Total Students Served in 2017

“The in-field farming projects were incredibly motivating to our high school students. Loved getting them in the garden and having them learn about agriculture and everything that goes into sustainable food production. The students loved it; thanks for keeping them engaged for the day!”

~ 2017 High School Teacher
Farm Field Trips

HIP Agriculture’s place-based farm field trips expose students to an agricultural environment with hands-on activities including a sensory farm tour, fruit and vegetable harvesting and propagation, compost building, soil testing and microorganism investigations with microscopes, lei making, farm snacks, and animal introductions to chickens and cows.

Garden & Nutrition Workshops

Our in-school modules are for grades K-5. During these presentations, we provide in-depth garden and nutrition lessons on canoe crops, herbal remedies, beekeeping, soil investigations, bamboo building, and propagation. One of our modules includes pa’i’ai pounding. This is a place-based lesson that covers nutrition, culture, and agriculture where students gain skills on kalo propagation and the art of pounding pa’i’ai with native tools.

STEM Soil Workshops

We offer to grades 6-8 a four-part series of hands-on learning modules where students conduct experiments around their school environment. The modules include using microscopes to identify microorganisms, soil composition, permeability, and pH. These modules are designed to engage students in soil science while connecting their learning to in-class studies of science and math.
In partnership with Kohala Department of Education, 21st Century Program & FoodCorps, HIP Agriculture assists with the after-school garden programs run at the Elementary and Middle school. During 2017, we assisted in teaching four after-school programs. The programs ran from two to five months and we engaged a total of 36 students. During these programs, we worked with students to start a plant nursery, to prep soil, to plant seedlings, maintain the daily upkeep of the garden, and at the end, students got to harvest and eat the food that they grew. This year we also planted the first fruit trees at Kohala Middle School (five ulu, two lemons, two oranges, and five Surinam cherries) and implemented three “water gardens” near rain spouts.

During the 2017-2018 school year, two of our educators served the Natural Resources (NR) class at the Kohala HS and worked with 35 Kohala High School students twice per week to revitalize the school farm and implemented strong health and safety protocols. With the students, they planted 3,000 sq. feet with over ten different plant varieties. In the spring, the students with support from the HIP Ag team, harvested and delivered 125 pounds of lau leaf to the school cafeteria and it went into the school's lunches that week. This full-circle experience of planting, harvesting and eating the food that you grow brought a lot of pride to the students and connected them more deeply to where their food comes from and how it grows.

This past school year, only 8% of students participated in Kohala Ag. Education. Through our participation in the program, we have seen an increase of 200% of enrollment for the 2018-2018 school year due to year two registration. Overall, we have observed a change in the student’s behavior and have seen an increase in attendance throughout the school year. Students were more engaged with the
farm and gained technical skills in various areas of agriculture including preparing and creating garden beds, seeding, testing and amending the soil, harvest techniques, and pest management.

In addition, we launched our Mahi’ai Scholarship Program to provide HS students an award for most involved in /most hours worked on their school’s garden. First place was awarded $1,000, second place was awarded $500, and third place was awarded $250. This provided agriculture students a monetary incentive to strongly engage with cooperation and effort to the school farm. To those in the program, we also offered our first 6-week summer internship for HS students where interns train on our farm five days a week and earn a bi-weekly stipend. Five students participated. The HS mentorship and internship is an effort to enhance agricultural career training and opportunities within our community.

HIP Agriculture hosted two 6-week internship programs providing 24 post-secondary students with an experiential immersion in hands-on farming and community living.

In 2017, we piloted our first apprenticeship program. The goal of the program is to give a more in-depth farmer training to provide students with an increase of knowledge and technical skills in agriculture. Students learned through hands-on engagement readings, and weekly educational sessions. Each apprentice receives food safety training, in-depth training on market gardening, permaculture, Korean natural farming, agroforestry, beekeeping, crop design, planting, harvesting, herbal medicine making, and value-added food processing.
HIP Ag supports the development of the Farm to School (F2S) Pilot by providing produce to the school and troubleshooting with the Cafeteria and the DOE to get more local foods into the cafeteria, and offering trainings to local farmers who would like to supply the F2S program. HIP Agriculture was one of the first farms to support the statewide initiative of Farm-to-School. This initiative is spearheaded by Lt. Governor Shan Tsutsui, the Hawaii State Department of Education (HIDOE), Beyond Green Partners, Ulu Pono, Dorrance Family Foundation, the Hawaii Department of Agriculture, and The Kohala Center. The goal of the Farm to School Initiative is to address the supply and demand issues surrounding the purchasing of local food for our State school cafeterias. The Initiative also aims to systematically increase State purchasing of local food for our school menus as well as connect our keiki with the ‘aina through their food, using products from the local agricultural community.

We supported the launch of the pilot program by delivering fresh produce each week to the Kohala Complex Cafeteria and working closely with the Cafeteria Manager and the DOE to see how we can increase the amount of local food coming into the school. This year we provided over 1,000 individuals in the Kohala DOE with 3,750 lbs of fresh produce from our farm over the school year. We are now working to develop a hui of farmers to increase the supply of fresh local produce to the school.
RECIPE SPOTLIGHT:
Sauerkraut, Simplicity with a Twist

**INGREDIENT (makes about 4 quart jars):**
- 6 lbs Cabbage (source organic)
- 1/2 of 1 leek
- 2 lbs turnips (source organic)
- 2 in. ginger (organic)
- 8 tsp Kosher salt

**DIRECTIONS:**
Clean, sterilize, and set aside the mason jars to cool.
Wash cabbage under cold running water.

Remove outer leaves and save for later. Slice or shred cabbage the width of a quarter and set into large bowl. Wash turnips, cut in half and thinly slice into half moons. Wash and slice leek finely. Mince ginger with skin intact. Mix turnips, leeks, ginger and 1 tsp salt and set aside.

With clean hands, place a 1/4 of the cabbage into another bowl add a 1-2 tsp salt, a handful of the turnip-leek-ginger mix and mix well with hands. Gently massage the vegetables together. Place into jar and pack down so that cabbage is submerged in its juices. When the kraut reaches the

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**SOCIAL MEDIA & COMMUNICATIONS**

**Total**
Reach of **11,600**
followers and growing daily!

**DURING 2017, WE GREW OUR**
OUR SOCIAL MEDIA
ENGAGEMENT AND FOLLOWERS!
- We launched a new, updated website with beautiful photos of our land.
- We sent out monthly newsletters offering our patrons recipes, tips, and more!

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@hipagriculture

Total Reach of 11,600 followers and growing daily!
Financial overview

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2017 Total Expenses
$134,508

2017 Total Income
$161,790

GRANTS Breakdown

- County in Aide: $25,000
- Atherton: $20,000
- HCF FLEX: $10,000
- HCF STEM: $10,000
- 21st Century: $10,000
- O’io: $4,500

Tuition
$44,645

Donations, Fundraising
$27,419

Annual Fundraising Event
$6,724

Workshops
$3,262
ʻĀINA FESTIVAL 2017

This powerful, unique day-long event features world renowned & local musicians, performing artists, hands-on land based education, Hawaiian cultural activities, keiki activities, yoga, arts & crafts vendors & an abundance of organically grown, farm fresh food.

ʻAina Fest has upwards of 1,700 people in attendance.

The fundraiser net our organization almost $7,000 for one day!

Our family-friendly event has a place for kids to play, and get their face painted!

Educational booths offer agricultural and ecological lessons on edible wild plants, beekeeping, and sustainable living.

The many food, drink, arts, and healing vendors come together to celebrate too! Vendors included: Conscious Culture, Lotus Cafe, Kohala Village HUB Pub, Natural Mystic/Sea Dandelion, Hale I’a Da Fish House, Vegan Aloha, Kava Kafe, Kula Shave Ice, Hawaiian Ola, Sweet Cane Cafe, Grow Paradise, Laurie Bauers Art, Wild HeArtist, Hina Luna Botanical Dyery, Natural Investments LLC, The Real Roots Movement, Kimo’s K reations, Naikela Botanicals, Kamaʻaina Healing, Omra Shop, Good Earth Sandals, DeepSnowArt, TribalTeaz, Dover’s Art.
MAHALO TO THE SPONSORS!

- HIP agriculture
- Department of Agriculture
- Hawaii John's
- Natural Investments
- ISLAND AIR
- Kanu o ka 'Āina
- Graphic Design by Gretchen Stankey
- Hawaii Island Retreat
- Ulupono Initiative
- Kamuela Inn
MAHALO TO OUR ADVISORY BOARD...

KAI KAHOLOKAI
Cultural Advisor

VANESSA STONE
Internal Staff Relations / Organizational Development Specialist

DENNIS SHARMAHD
Botanical Advisor

DR. DEBORAH WINTER
Academic Advisor / Curriculum Specialist

DONNA MALTZ
Business Advisor

GAYLE YAMASAKI
Educational Advisor
MEET OUR STAFF
LOOKING AHEAD TO 2018-19

- **BUILDING AN AGRICULTURAL EDUCATION PIPELINE IN NORTH KOHALA:** Our main focus is to build and further develop an agricultural education pipeline in North Kohala which includes:
  - Elementary: Field Trips and in-class presentations.
  - Middle: In-class presentations and garden-based stem workshops.
  - High School Mentorship: In the Mentorship program we are working with Career Connected Learning to create cross-department collaborations and with Hawaii Community College to offer dual credit options for students.
  - HS Summer Internship: Students have the opportunity to come and work and learn on our farm in the summer for a paid internship. This gives them a more in-depth experience in agriculture and gives them meaningful work during the summer.

- **APPRENTICESHIP PROGRAMMING:** We are working to have the HS Mentorship flow into the apprenticeship program as an educational and economic opportunity for graduating seniors. We are partnering with the Hawaii Community College to integrate college credits into this program to attract more local youth interested in exploring a career in agriculture and our goal is to have at least two of the farm apprentices be local youth by next year.

- **F2S, FARMER HUI AND AG PARKS:** During 2018, we are working to streamline the Farm-to-School program at Kohala by spearheading the procedures and flow needed to create a hui of farmers to join and provide food for this program. This will include ironing out invoicing and payment procedures, delivery and crop availability, and getting more information from the DOE about the produce needs for a full school year. We are also working with the state to put more local foods on the menus. One example of what we are currently working on is cocoyams, also called Malanga, which is a nutritious starch crop that is a kalo relative. This highly nutritious (and easy to cultivate) tropical crop has the potential to replace large-scale imports of traditional white potatoes. This fall we will be working with the DOE food service to support them in incorporating cocoyams into their menus. The final addition to this pipeline is to build more economic opportunities in agriculture within North Kohala so that local youth can see agriculture as a viable career option within their community.
One large growing economic opportunity for small farmers that we are working to build up is the F2S program. The DOE serves over 180,000 meals a day and that in turn represents a huge buying power for local foods within the state. We hope to pave the way for young farmers in our area to become producers for this statewide program. To support the success of new farmers, the next step we see for our community is to secure more Ag Land to develop Ag Parks to give farmers long-term favorable leases and invest in community infrastructure such as certified packing and distribution centers

- **NEW CAMPUS AT STARSEED RANCH**: We are pleased to announce that we recently added a new educational center and agricultural lands. We are excited to utilize this space to support and grow our programs and benefit our local community.
MAHALO FOR YOUR SUPPORT, WE ARE PROUD OF A SUCCESSFUL YEAR!

WANT TO GET INVOLVED?

DONATE AT HTTP://HIPAGRICULTURE.ORG/GET-INVOLVED