



Aloha!

This newsletter was designed to share agricultural related information and news in an effort to connect with nōmahi'ai o Kamehameha and further the goals of the Kamehameha Schools (KS) Strategic Agricultural Plan. For more information on the plan, visit www.ksbe.edu/land.



Over the past year KS has heard from some of its coffee farmers whose crops have been affected by the Coffee Berry Borer beetle. An instructional how-to DVD is enclosed. To view online, go to www.ksbe.edu/land or for additional DVD copies, e-mail land@ksbe.edu. Mahalo!



Designating Important Agricultural Lands

The identification and designation of Important Agricultural Lands (IAL) was first proposed at the 1978 Constitutional Convention and subsequently approved by voters.

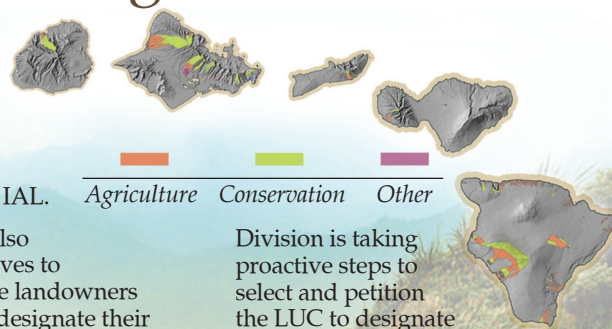
Article XI, Section 3 of the state constitution was amended to require the state legislature to "provide standards and criteria" to ensure the: (1) conservation and protection of agricultural lands; (2) promotion of diversified agriculture; (3) increase of agricultural self-sufficiency; and (4) availability of agriculturally suitable lands.

In 2005, a new law was passed authorizing each of the counties to create maps to identify IAL and

to submit those maps to the State Land Use Commission (LUC) for designation as IAL.

The new law also created incentives to both encourage landowners to voluntarily designate their lands as IAL and to counteract what the legislature expected to be adversity to such a designation.

In an effort to build on the work of the KS Strategic Agricultural Plan and to show a continued commitment to agriculture, Kamehameha's Land Assets



Agriculture Conservation Other

Division is taking proactive steps to select and petition the LUC to designate certain KS lands as IAL.

KS intends to draw upon its knowledge of historical activities and the breadth of agricultural uses on its lands statewide in developing its petitions to the LUC. As this process continues, updates will be made available.

Harvesting Breadfruit for Hunger

By Andrea Dean and Craig Elevitch,
Hawai'i Homegrown Food Network

Breadfruit was once a key staple food in Hawai'i and played a major role in the spiritual and cultural life of Hawaiians. For centuries, traditional Hawaiian breadfruit groves were capable of providing enough food to sustain tens of thousands of people. In ma uka Kona there was a band of 'ulu trees that spanned a half-mile wide and 18 miles long. Known as the kalu 'ulu zone, this region produced as much as 36,000 tons of 'ulu per year. Other important 'ulu groves were located in North Kohala, Hilo and Puna.

Since the economic downturn of 2008, many families lack access to affordable and nutritious food. Breadfruit Harvest for Hunger is an initiative of Ho'oulu ka 'Ulu—a project to revitalize 'ulu (breadfruit) as an attractive, delicious, nutritious, abundant, affordable and culturally appropriate food that addresses Hawai'i's food security issues.

The Breadfruit Harvest for Hunger project directly addresses food security in Hawai'i by harvesting unutilized breadfruit and distributing it to people who want and need it. In addition to the obvious

social benefit of feeding the community with a local resource, this project explores the viability of breadfruit as a replacement for imported starches and compares it to other local and imported carbohydrate based on price and nutrient value delivered.

The Ho'oulu ka 'Ulu project is led by the Hawai'i Homegrown Food Network and the Breadfruit Institute of the National Tropical Botanical Garden to increase knowledge, cultivation, usage and appreciation of 'ulu in Hawai'i.

The Hawai'i Homegrown Food Network is looking for a select number of landowners on Maui, O'ahu and Hawai'i island with excess breadfruit. A two-person harvest team—expertly trained and equipped by the Breadfruit Institute of the National Tropical Botanical Garden—will harvest your breadfruit at agreed upon times and with liability coverage provided. The breadfruit, raw and processed, will be distributed to food-insecure families who value breadfruit as a

delicious and nutritious food. Landowners will retain a percentage of the fruit and have the satisfaction in knowing that rather than go to waste, their breadfruit will feed families. If you would like to be considered as a harvest site, e-mail andrea@hawaiihomegrown.net.





Featured Farmer: Sandra Scarr

When Sandra Scarr moved to Kailua-Kona in 1997 to get a change of pace, she never expected that her life would so drastically shift from running a large child care corporation to a coffee farm. Although Scarr always loved growing vegetables and flowers on the mainland, she admits she knew nothing about coffee. However when the opportunity arose to buy a coffee farm, Scarr knew that with help from the Agro-Resources and coffee farming friends, she was in good hands.

In 2000, Scarr acquired a Kamehameha Schools lease in Holualoa, North Kona and later expanded in 2007. Managing 8.9 acres of land, Scarr handpicks over 3,500 coffee trees between the months of July and December to produce her award-winning Daily Fix 100% Kona Coffee.

Daily Fix Coffee is currently being featured in the Kamehameha Schools' Kawaiaha'o Plaza lunch room as an important initiative toward supporting the goals of the KS Strategic Agricultural Plan. Goal 2 of the plan aims to increase the supply of locally grown products to KS campuses and facilities thereby fostering healthy relationships with the schools' agricultural tenants and supporting the state's local food movement.



"The better we can further these relationships with our farmers and the industry, the better supported and successful our farmers will be," said North Kona land manager Les Apoliona. "Sandra Scarr has upheld the integrity of the 100% Kona Coffee brand and we hope to feature more of our coffee farmers who have done the same."

In addition to coffee, Scarr also planted about 1,500 native trees and shrubs including 'ohia, māmane, mānaki and wili wili.

"We focused on Hawai'i's natives that are endangered and those that support native birds and butterflies. It is amazing to see how well natives grow among the coffee and hardwood trees," said Scarr.

Not only does Scarr's backyard resemble a native forest and coffee orchard, but she also raises Labrador retrievers and has teamed up with the fellow KS lessee, Jill Andrade-Mattos, general manager of Hawaii Beef Producers, to provide cattle products that would otherwise go to waste. Beef parts like the tranchea, lung, spleen, cheek, kidney, heart and tongue make great pet food. So much so, that Scarr formed a pet food co-operative to consolidate orders from Hawaii Beef Producers.

For more information on how to purchase pet food, visit www.konaraw.org or to order coffee, check out www.dailyfixcoffee.com.

Azuki Gelatin with Kona Coffee

Compliments of Naomi Yamagata, KS coffee farmer

4 packages unflavored gelatin
1/2 cup water
2 cups hot water
1 cup condensed milk
5 tsp. instant 100% Kona Coffee granules
1 can koshi or tsubushi-an

Directions: Prepare a 7x10 inch pan by spraying with Pam. Mix gelatin and water together. Combine hot water, condensed milk and coffee. Add dissolved gelatin and koshi (or tsubushi-an). Mix well. Pour in prepared pan. Refrigerate. Cut into squares.

Seeking Bid Proposals from Kona Coffee Lessees

KS is currently seeking bids from lessees to provide its main offices at Kawaiaha'o Plaza (Downtown Honolulu) with 100% Kona Coffee from KS lands. The winning bid will be awarded a contract based upon price as well as an internal taste test of bid finalists.

Bidders will be required to provide the department with up to 100 lbs of Kona coffee each month for up to a period of 12 months, and must be able to provide at least a three month supply. KS reserves the right to award multiple bidders one or more three month periods or one bidder all 12 months. The awarded contract will also feature a poster ad and story of the farm at Kawaiaha'o Plaza. Hundreds of people will view the free advertisement on a daily basis.

Bids should include the price per pound of ground Kona coffee and any other qualities that make your coffee standout. If your bid price is different depending on length of contract please note in your submission.

Please submit bids by July 7, 2012 to:

Dru Kanuha
Kamehameha Schools-Land Assets Division
78-6831 Ali'i Dr. Suite #235
Kailua-Kona, HI



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Understanding the Importance of Hawai'i County's Grading Permits

Regulations for grading (the construction of a level base) have been established in an attempt to safeguard the public, property, environment and project's safety. While understanding the grading permitting process can be challenging, it doesn't have to be.

Essentially, a grading permit is required if the excavation (cut) or the embankment (fill) is more than 100 cubic yards in volume and more than 5 feet in vertical height and does not alter the general drainage pattern with respect to abutting properties.

If an active building permit is already in place, no grading permit is required. Instead, work under the footprint of the existing approved building permit.

Other projects that do not require a permit include work that conforms to the provisions of the Hawai'i County Code for erosion and sediment control — Chapter 10, Section 10-26. These stipulations include:

- Mining or quarrying operations regulated by other County ordinance or governmental agencies
- Grading within building lines of a structure authorized by a valid building permit
- Individual cemetery plots
- Rubbish dump operations
- Agricultural operations approved by one of the Soil and Water Conservation District directors under a conservation plan
- Subsurface exploratory excavations 50 cubic yards or less under an engineer's direction
- Utility poles installed by the public utility company
- Dredging work executed under the control of the U.S. Army Corps of Engineers

If a permit is required, three sets of plans are required for all permit applications. The property owner is responsible for preparing the plans. If an engineer prepares the construction plan, then the engineer is expected to prepare the grading and erosion control plans. The contractor's responsibility will be to do the work according to the approved plans.

For grading more than 15,000-square feet, a licensed engineer or surveyor must certify the plans prior to submission to the Department of Public Works. Application forms are online at www.hawaiicounty.gov.

Before a permit is granted, the Department of Public Works may impose requirements designed to improve the existing grades to bring it up to the standards of the Hawai'i County Code, provide fencing of the permitted work area as well as aesthetic and erosion control planting or other treatments to reduce work impacts, clean up the area and permit the hours and days of operation. Work can begin two working days after the permit is approved.

Advice is to always err on the side of caution. Check with the County of Hawai'i's Department of Public Works, Engineering Division prior to starting any grading activity to insure you are not in violation of county ordinances.

If you have any questions, or would like to confirm whether an activity requires a grading permit, contact the Engineering Division in Hilo at 961-8327 or in Kona at 323-4850. For more information, visit www.ksbe.edu/land for a FAQ and other resources.

More information regarding grading requirements for other islands will be forthcoming.

Ka Limahana: Meet the KS Land Assets Division Staff



Giorgio Caldarone is a regional asset manager responsible for the management of agriculture and conservation lands on O'ahu, Maui and Moloka'i. He is also the renewable energy sector lead responsible for developing utility scale renewable energy resources on KS lands. Prior to joining KS in 2005, Giorgio received a master's degree in business administration from the University of Hawai'i at Mānoa and a bachelor's degree in environmental science from West Point.



Kalani Fronda is a senior land asset manager for Kaua'i, Moloka'i and the North Shore of O'ahu, has been with KS for the past 13 years. Prior to KS, Kalani worked as property manager for retail and commercial spaces. A 1988 graduate of KS, Kalani attended Whitworth University where he received his degree in international business and business administration.



Kapu Smith is a senior land asset manager for Kawaiiloa Plantation on O'ahu's North Shore. Kapu is a graduate of Kamehameha Schools, the College of Tropical Agriculture and the UH Richardson School of Law. While attending law school, Kapu joined KS and has represented everything from residential properties to now agriculture.



Kawika Burgess is a land asset manager responsible for agricultural and conservation land in Punalu'u, East O'ahu, and Moloka'i. Kawika is a graduate of Kaiser High School and the University of Hawai'i at Hilo where he received a B.A. in geography and certificate in Hawaiian language. Prior to KS, he was the Native Lands Program Coordinator with the Hawai'i Field Office of the Trust for Public Land.



Keith Chang is a land asset manager for Waiawa, Waiau, Kalauao and Maui. Keith spent 17 years in various positions in banking at First Hawaiian Bank and American Savings Bank before joining KS in 2010. He graduated from KS in 1989 after which he attended Lewis and Clark College where he received his Bachelor of arts in communications and his masters in business administration from the UH Mānoa Shidler College of Business in 2007.

Nā Mea Hoihoi: Calendar of Events

February 25	KS Kapālama Ho'olaule'a (Kapālama, O'ahu)
March 2-3	Breadfruit Festival (Kua O Ka La Charter School, Puna)
March 18	Sam Choy's Poke Contest (Sheraton Keauhou, Hawai'i)
April 1-15	HFIA Woodshow (Honolulu Academy of Arts, O'ahu)
April 7	Taste of Waialua (Old Waialua Sugar Mill, O'ahu)
May 20-28	Honoka'a Western Week (Honoka'a)
July 7-8	Hawai'i State Farm Fair (Kuaola Ranch, O'ahu)
July 21-22	Hale'iwa Arts Festival (Hale'iwa, O'ahu)



The KS Land Asset Division teamed up with KS Hawai'i campus to participate in Mealani's Taste of the Hawaiian Range on September 30, 2011 at the Hilton Waikoloa Village. Among the KS-grown chocolate and coffee that was featured at the KS booth was a beef open face sushi rice with a soy demi glaze prepared by KSH staff. Pictured from left to right: Sean Franco, Marcus Hansen, Jarvis Wong, Miss Aloha Hawaii Tatiana Botelho, Shannon Poe, Bruce Kekuewa.

For a list of farmers' markets statewide, visit www.hawaii.gov/hdoa/add/farmers-market-in-hawaii



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