

Agenda for Maui - May 19-20, 2012

Hawai'i Public Seed Initiative "Hua Ka Hua" - Restore Our Seed Project 2011-2013

Seed Saving & Seed Production Basics For Farmers & Gardeners

Agenda Day 1: Noho'ana Farm - (Waikapu)

9:00–9:15 a.m. Opening Introductions and Pule by *Hōkūao Pellegrino*

9:15–9:45 a.m. The Hawai'i Public Seed Initiative by *Nancy Redfeather – Coordinator HPSI*

- Where Have We Been and Where Are We Going?
- Public Seed Commons: A Brief History of the Seed Industry.

9:45–10:15 a.m. History of Seed Production and Crop Breeding in Hawai'i by *Hector Valenzuela*

- Brief Summary of Statewide Seed Assessment from the 2010 Seed Symposium.

10:15–11:15 a.m. Seed Basics: Botany and Biology by *Russell Nagata*

- Monocot and Dicot Plant Differences
- Open-Pollinated/Hybrid/Heirloom
- Inbreeding/outbreeding: Know Your Crops Mating preferences.
- Selfing/Cross Pollination Pollen Transfer (wind, insect, human)
- Reproductive Cycles: Annuals, Biennials, Perennials
- Different Strategies - population numbers, isolation distances, roughing and selection to maintain seed purity

11:15–Noon Growing Tomato for Seed in the Garden by *Glenn Teves*

- Overview of what conventional tomato breeders might consider:
 - Selecting for cultivars with characteristics that address the special needs of Island propagation.

12:00 - 1:00 p.m. Lunch

1:00–2:45 p.m. Growing Kalo and Farm Tour with Talk Story by *Hōkūao Pellegrino with Glenn Teves and Penny Levin?*

2:45–3:30 p.m. Seed Saving and Storage: Basic Techniques and Ideas. Simple Techniques for a Home Mini-Seed Bank. By *Paul Massey*

3:30–4:15 p.m. Update on Kauai Network of Seed Savers *by Paul Massey*

- Ideas for Establishing your Network of Seed Growers.
- Introduction for the action agenda for Day 2
 - Each district on the island has different growing requirements. Gather together according to the district you live in. Please choose a group moderator to record and organize your information. Your group will be continuing this process on Day 2.
 - Determine which District you are in and consider the following questions to for tomorrows action agenda:
 - *What is average rainfall and temperature range of your location?*
 - *What are you growing well and having success with?*
 - *What are the most difficult problems you have encountered with growing?*
 - *What crop or crops would your group like to focus on growing?*
 - *What do you foresee as your biggest challenge? What are any thoughts on overcoming this?*
 - *Group moderator to record all info for day 2 sharing*



Agenda Day 2: Kupa‘a Farm - (Kula)

9:00–10:15 a.m. Growing Requirements for Producing Lettuce for Seed *by Russell Nagata*

- Cleaning Techniques for Dry Seeded Crops.
- Pollination, Isolation, Optimum Number of Plants
- Seed Purity, Improving Lettuce Varieties, Roguing and Selection
- Seed Storage, Viability Testing

10:15–11:15 a.m. Harvest and Clean Lettuce Seed - Demonstration and class participation.
Facilitated by Gerry Ross

11:15 a.m. –Noon Harvesting Seed and Seed Processing: Techniques for Wet-Seed Crops.
Tomato demonstration with group participation *by Gerry Ross with facilitation by Russell Nagata & Lyn Howe*

12:00–12:30 p.m. Variety Trials *by Hector Valenzuela*

- What is a variety trial and what information are we looking to gather?
- How to use the log handed out
- What we will be doing and recording this year - how the information gained will be recorded
- Give Lettuce and tomato seed to participants to grow out and record information

12:30–1:30 p.m. Lunch

1:30–2:30 p.m. Small Farm Grain Production For The Tropics *by Nikki Duncan*

- Reasons to Grow Grains
- When to grow, how to grow and harvesting
- Varieties - brief overview
 - Grass grains
 - Corn, Sorghum
 - Seed Grains
- Demonstration & hands on: Threshing/Winnowing

2:30–3:45 p.m. Tour Of Kupa‘a Farm With Discussion On Soil Fertility, Variety Selections and Growing for Production *by Gerry Ross*

3:45–4:30 p.m. Panel and Participant Action Agenda: Establishing Your Network of Seed Growers on Maui. *Facilitated by Paul Massey*

- Questions to discuss - choose a group moderator to record this information:
 - *What is average rainfall and temperature range of your location?*
 - *What are you growing well and having success with?*
 - *What are the most difficult problems you have encountered with growing?*
 - *What crop or crops would your group like to focus on growing?*
 - *What do you foresee as your biggest challenge? What are any thoughts on overcoming this?*
 - *Group moderator to record all info for day 2 sharing*

Agenda Day 3 - Optional Farm Tour at “*The Maui Farm*” (Makawao).

A two-acre educational farm that is a thriving natural environment offering rich bio-diverse gardens, crop fields, plant nursery, aquaponics, composting site, animal livestock. The farm is home to over 100 different species of native and other plants, vegetables, flowers, herbs, and fruits and a fruit orchard.

Mahalo to Our Workshop Presenters:

Hector Valenzuela, Ph.D., CTAHR Extension - Vegetable specialist.

Russell Nagata, Ph.D., CTAHR County of Hawai‘i Extension Administrator- Lettuce propagation and seed production specialist.

Glenn Teves, CTAHR Moloka‘i Extension Office - Taro And Tomato Propagation Specialist.

Paul Massey - President/Director, Regenerations Botanical Garden, Kaua‘i. Manages The Kauai Community Seed Bank.

Nikki Duncan - Small Grain Production.

Hōkūao Pellegrino - Cultural Resource Specialist & Kalo Farmer

Gerry Ross - Co-Owner Of Kupa'a Farms

Nancy Redfeather - Program Director - Hawai‘i Public Seed Initiative & Program Director Of The Hawai‘i Island School Garden Network & Co-Owner Of Kawanui Farm on Hawai‘I Island.

Lyn Howe - Workshop Coordinator



***THE HAWAI‘I PUBLIC SEED INITIATIVE WORKSHOPS ARE MADE POSSIBLE
THROUGH THE SUPPORT OF THE CERES TRUST & THE KOHALA CENTER.***