

Agenda for Hawai‘i Island – November 3-4th, 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: Amy Greenwell Ethnobotanical Garden, Captain Cook

8:00–8:30 a.m. Registration

8:30–9:00 a.m. Opening Introductions *by Nancy Redfeather*

9:00–9:45 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.

10:15–11:00 a.m. Break

11:00 a.m.–Noon. 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, rouging and selection to maintain seed purity

Noon –1:00 p.m. Lunch

1:00 a.m.–2:00 p.m. 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 cultivation.

2:00–2:30 p.m. Wet Process Seed Saving - Demonstration of Saving Tomato Seed *by Glenn Teves*

2:30–3:00 p.m. Seed Networks and Initiatives Happening Around the Country *by Lyn Howe*

3:00–3:30 p.m. Update on Kaua‘i Seed Projects *by Paul Massey*

3:30–4:30 p.m. Seed Saving and Storage: Basic Techniques and Ideas *by Paul Massey*

Agenda Day 2: Amy Greenwell Ethnobotanical Garden, Captain Cook

9:00–10:00 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

10:00–11:00 a.m. Harvest And Clean Lettuce Seed - Demonstration And Class Participation

11:00–11:15 a.m Break

11:15–12:15 p.m. Growing Kalo *by Glenn Teves*

12:15–1:15 p.m. Lunch

1:15–2:30 p.m. “Garden Collection Walkabout” Talk Story with Glenn Teves and Jerry Konanui – Kalo & Sweet Potato

2:30–3:00 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 Hand-out in your folder
- 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

Seed on Hawai‘i Island - Group Action

3:00–4:30 p.m. Group Break Out Session - convene by areas and brainstorm in these groups to discuss:

- Seed Growing
- Challenges and Opportunities
- How to create a seed network - what would this look like? Seed Exchanges, Seed library, Seed potlucks, Other ideas?

4:00–4:30 p.m. Reconvene and Share your ideas with each other.

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.

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.

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

Lyn Howe - Workshop Coordinator

Special Mahalo to: Amy Greenwell Ethnobotanical Garden for opening their space and sharing their gardens with us.

Jerry Konanui for Joining us to share his mana‘o on taro and sweet potato.

THE HAWAI‘I PUBLIC SEED INITIATIVE WORKSHOPS ARE MADE POSSIBLE THROUGH THE SUPPORT OF THE CERES TRUST & THE KOHALA CENTER (an equal opportunity provider and employer).