

Agenda for Molokai - August 24th & 25th, 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: Lanikeha Center, Ho'olehua

8:00-8:30 a.m. Registration

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

9:00-9:30 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.

9:30-10:00 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.

10:00-10:45 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

10:45-11:30 a.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 propagation.

11:30 a.m.-Noon Wet Process Seed Saving - Demonstration of Saving Tomato Seed *by Ellen Sugawara*

Noon-1:00 p.m. Lunch - (after lunch please organize to carpool to NRCS)

1:00-1:30 p.m. Carpool to NRCS

1:30- 2:30p.m. Tour Of NRCS Plant Materials Center With Focus On Windbreaks And Materials For Windbreaks - *with Kawika* & Tour of USDA-CES project on pollinators using native and indigenous plants – *with Jennifer Hawkins*

2:30-3:00 p.m. Return to Lanikeha Center.

3:00-4:00 p.m. Seed Saving and Storage: Basic Techniques and Ideas *by Ellen Sugawara*

Agenda Day 2: Lanikeha Center, Ho‘olehua

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 *by Ellen Sugawara*

11:00-11:15 a.m Break

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

12:15-1:15 p.m. Lunch

1:15-2:15 p.m. Talk Story with Ellen Sugawara

2:15-2:45 p.m. Variety Trials (hands-on exercise using the variety trial log sheet in your folders) *by Hector Valenzuela*

- What is a variety trial and what information are we looking to gather?
- How to use the log handed out - (go through this exercise using 1 or 2 plants, maybe the lettuce and tomato we are handing 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

2:45-3:30 p.m. Screening Vegetable Varieties For Molokai and Identifying Varieties Adapted To Molokai *by Alton Arakaki*

Seed on Molokai - Group Action

3:30-3:45 p.m. The “Ka‘Ano” Project *by Jade Bruhjell (short overview).*

3:45-5:00 p.m. Group Break Outs 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?

3:45-4:15 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.

Alton Arakaki - CTAHR Moloka'i Extension Agent

Ellen Sugawara - Co-owner and operator of Papohaku Biodynamic Farm

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.

Jennifer Hawkins - CTAHR Moloka'i Extension Agent

Kawika Duvauchelle - NRCS Plant Materials Center

Jade Bruhjell - The "Ka'Ano" Project

Lyn Howe - Workshop Coordinator

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