Public Seed Initiative and Seed Production Workshops

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Cooperators: Kauai Regeneration Botanical Gardens; Ceres Foundation, Organic Seed Alliance



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Hawaii Statewide Seed Assessment 2010

SurveyMonkey.com
Kohala Center,
Organic Seed Alliance & CTAHR

N= 128 responses



East Side Seed Exchange & Harvest Festival! Saturday November 26th, 9:30am - 3:30pm At La'akea Permaculture Community Bring your favorite dishes using only locally grown food for the 100% LOCAL FOOD COOK OFF AND POTLUCK!!

Farm Size in Survey

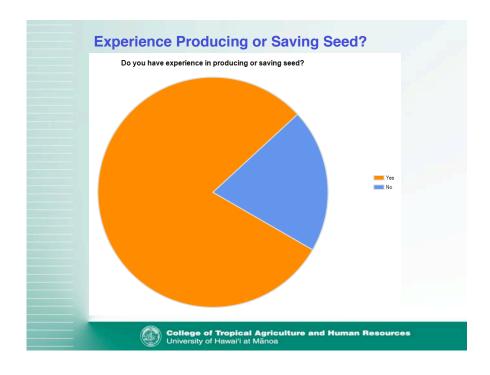
- · Range= 0-250 Acres
- Most farms= 1 Acre
- Average size= 10 Acres
- Larger farms= 250, 195, 75, 10-20
 - N= 88



Environmental Conditions in Farm Frequency mentioned

- Rainfall- 9,15, 30.. 100s, 125, up to 180"
- Elevation- sea level, range 200 to 1000s, and 1000-3000 ft
- Temperature minimums- 30s to low 80s
- Temp. maximums- low 80s to mid 90s

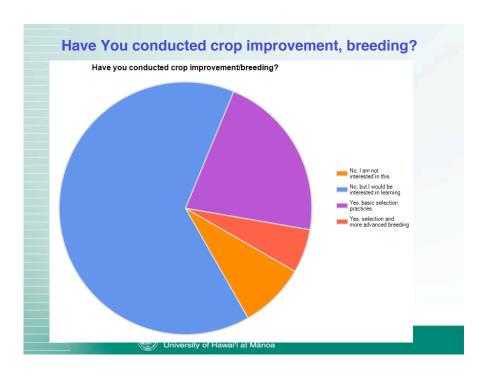


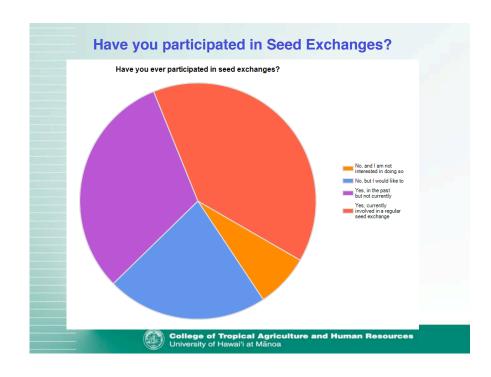


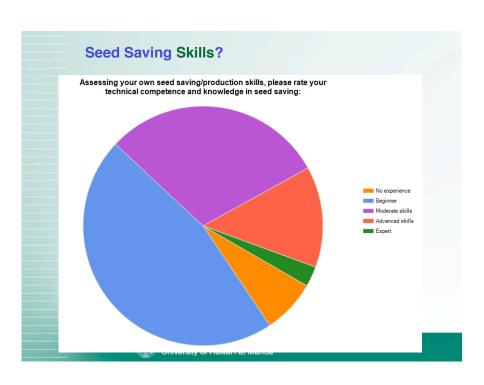
Years of Experience Saving Seed

- · Range 1-50 yrs
- Average= 10 years
- median= 5 years
- Less than 3 years= 43%











Interest on Public Seed Initiative?

List of Top Activities

- Saving Seed, personal use
- Restoring seed of Heritage or traditional Hawaiian Crops
 - Seed exchange programs
- Attending advanced Seed Saving Class
 - Participating in Variety Trials
- Attending class on crop Improvement



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Crops, most difficult for Seed Production

Frequency mentioned

- No. 1. N= 35, awa, basil beans, pepper, broccoli, onion, carrots, native, corn, cucurbits, lettuce, papaya, lettuce, ornamentals
 - Most mentioned overall: arugula, beets, broccoli, cabbage, carrot, chard, corn, kale, lettuce, onions, pepper, cucurbits



Crops, success in Seed Production

Frequency mentioned

No. 1. N= 46, beans, brassicas (kale), lettuce, Native, papaya, pumpkin, sweet corn, tomato
No. 2. N= 45, arugula, basil, beans, cilantro, corn, ginger, herbs, cucurbits, papaya, tomato,
No. 3. N= 54, basil, beans, dill, edible hibiscus, green onions, lilikoi, maile, potato, sesame, tobacco, flowers



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Agenda Workshop Kauai: Day 1

- 10:00 The Hawaiii Public Seed Initiative: Where Have We Been and Where Are We Going?
- 10:15 –Overview Experience with Gardening and Seeds on Kaua'i
- 10:30 11:00 a.m. Global Seed Industry



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Agenda Workshop Kauai: Day 1

1:15 - 2:15 p.m. **Growing Crops for Seed in the Garden**

by Paul Massey, Jill Richardson, & Russell Nagata

- Culture & Growing Conditions
- Population Numbers: Maintaining Genetic Diversity
- Addressing Seed Purity: Different Strategies
- Isolation Distances (Physical Barriers, etc.)
- Selection: Locally Adapted Varieties, Rouging
- Harvesting Seed

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Agenda Workshop Kauai: Day 1

11:00 a.m. - 12:30 p.m. **Seed Basics: Botany and Biology** by Russell Nagata & Paul Massey

- Monocot and Dicot Plant Differences
- Open-Pollinated vs. Hybrid vs. Heirloom Varieties
- Inbreeding vs. Outbreeding:Know Your Crop's Mating Preferences
- Selfing vs. Cross Pollination Pollen Transfer
- Reproductive Cycles: Annuals, Biennials, and Perennials



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Agenda Workshop Kauai: Day 1

4:15 – 5:00 p.m. Action Agenda: Establishing a Network of Seed Growers by Jill Richardson & Paul Massey

Come together with your ahupua'a group and choose a group moderator to record and organize your information. Your group will continue this process on Day 2 and the moderator will report back to the conference as a whole.



Agenda Workshop Kauai: Day 2

9:15 - 10:45 a.m. Harvesting Seed in the Garden & Growing Requirements for Producing Lettuce for Seed by Russell Nagata

11:15 a.m. - 12:30 p.m. Fruit Quality Characteristics and Selection of Tomato Varieties for Seed by Glenn Teves

2:30 - 4:30 p.m. kalo propagation and production with 3rd generation taro farmers Chris Kobayashi and Dimi Rivera.



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