Hawaii Statewide Seed Assessment

SurveyMonkey.com

N= 128 responses
Farm Size in Survey

- Range = 0-250 Acres
- Most farms = 1 Acre
- Average size = 10 Acres
- Larger farms = 250, 195, 75, 10-20
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
Breeding in Hawaii important for Food Security?

Please respond to the following statement: Breeding plant varieties in and for Hawai‘i is an important priority for the future success of Hawaiian agriculture and local food security. On a scale of 1 to 5, please state whether you agree or disagree.
Experience Producing or Saving Seed?

Years of Experience Saving Seed

- Range 1-50 yrs
- Average = 10 years
- Median = 5 years
- Less than 3 years = 43%
Have You conducted crop improvement, breeding?

Pie chart showing the responses:
- Blue: No, I am not interested in this
- Orange: No, but I would be interested in learning
- Purple: Yes, basic selection practices
- Red: Yes, selection and more advanced breeding
Have you participated in Seed Exchanges?
Seed Saving Skills?

Assessing your own seed saving/production skills, please rate your technical competence and knowledge in seed saving:

- No experience
- Beginner
- Moderate skills
- Advanced skills
- Expert
Information Needs on Seed Saving?

- Isolation distance (65%)
- Population size (77%)
- Seed maturity, harvest time (76%)
- Harvest guidelines (51%)
- Processing and storing (58%)
- Roguing guidelines (63%)
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**
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
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