

Hawai'i Public Seed Initiative – Hua Ka Hua: Restore Our Seed Kauai November 6-8, 2011



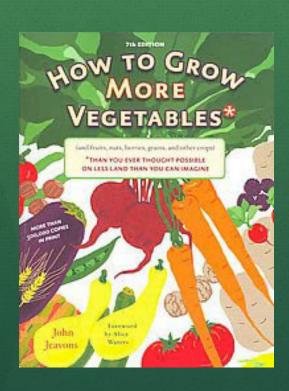
#### Hawai'i Public Seed Initiative

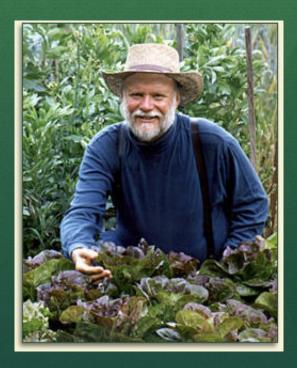
Where Have We Been and Where Are We Going?
10,000 Years of Seed Work
For the first 9,920 years
Farmers/Gardeners saved seed for the next planting.

### Kawanui Farm Kona



### My Seed Story





#### A Century Ago

Beet: 288 Varieties

Today 17

Cabbage: 544 Varieties

Today: 28

Sweet Corn: 307 Varieties

Today 12

Lettuce: 497 Varieties

Today 36

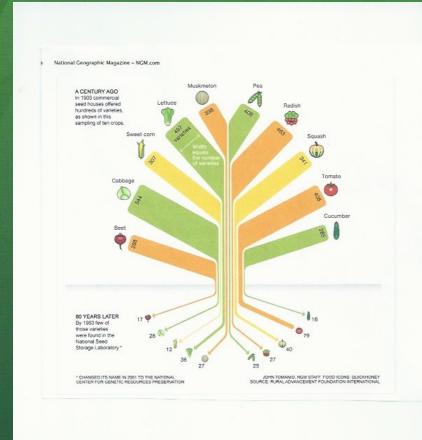
Pea: 408 Varieties

Today 25

Radish: 463 Varieties

Today 27

National Geographics - 9/11



# Seed Savers Exchange Yearbook 2011

460 Pages
13,876 Varieties
21,711 Total Listings
Vegetables
Fruits
Grains

This is 3-5% of varieties that were grown in the US in 1900

#### Seed Savers Exchange Yearbook

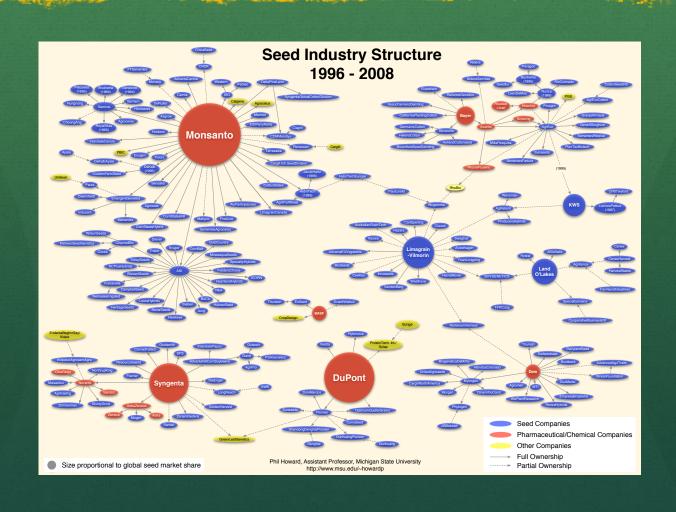




# 8 crops make up 75% of everything we eat

The world's top 20 crops account for 90% of the total caloric intake

# Consolidation of the Seed Industry

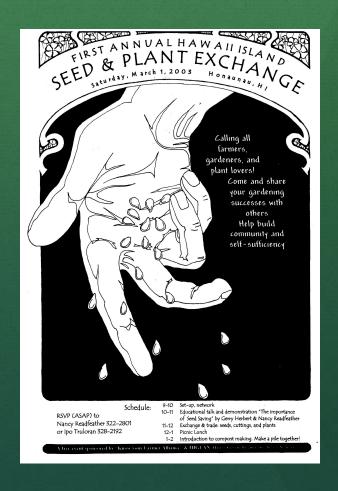


# Seed is the first-last link in the Global Food Chain

- "Seed is at the scientific center of todays and tomorrow's Food Security." ETC Group
- IAASTD Report: 3 years, 110 governments, 400 scientists and experts, NGOs, producers and consumers. Future? Agroecology/Small Producers/Local Seed/Local Knowledge
- In Hawai'i in 1970 there were 100 seed companies. 200 on the mainland.
- Today there is one-UH Manoa

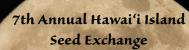
## Hawai'i Island First Seed Exchange 2003





## Hawai'i Island Seed Exchange 2009





Saturday, June 13, 2009, 8:30 am-12:30 pm Amy B. H. Greenwell Ethnobotanical Garden, Captain Cook

Farmers, gardeners, and plant lovers! Event Schedule Come and share your gardening success with
other and help build community food self-reliance,
blodwersty, and health Hease perspect and share your
swed seeds, cuttings, nots, and leak to flood crops
will be allowed to prevent spreading the Little Fire Ant.
will be allowed to prevent spreading the Little Fire Ant.

Stories of the Moon Goddess Hina-Hi'ilani Shibata

9:30-12:30 Networking, Seed Exchange, Agricultural

10:00-12:30 Educational prese

'O ka mahina ka māla, pili iho kākou! 'O ka māla ka mahina, pili iho kākou! The moon is the garden, all of us together!









### Seed Symposium: 2010 Hua ka Hua





#### HUA KA HUA - Restore Our Seed

A Public Seed Symposium
April 17–18, 2010
Outrigger Keauhou Beach Resort, Kona, Hawai

#### Symposium sessions include:

- History of Seed Industry Development
- · State of Seed in Hawai'i
- Seed Saving Basics/Reproductive Biology
   Separating the Seed from the Chaff: Seed
- Cleaning Basics
- Seed: A Farmer's Perspective
   Conducting On-Farm Variety Trials

#### Speakers include:

Matthew Dillon - Founder, OSA
Micaela Colley - Director, Research and

Education, OSA John Navazio, Ph.D.- Research and Education Specialist, OSA; Seed Specialist,

Washington State University
Frank Morton – Owner, Wild Garden Seed
Hector Valenzuela, Ph.D. – Crop Extension
Vegetable Specialist, UH Mānoa

- Fundamentals of Plant Variety Improvement
- and Breeding for Organics

   Historical Perspective and Reproduction of Hawaiian Crops
- Variety Improvement and Breeding
- Creating Island Seed Working Groups
- Visioning Future Work Together

Ted Radovich, Ph.D. – Sustainable Farming Systems Laboratory, UH Mānoa Alvin Yoshinaga – Restoration Ecologist, Center for Conservation Research and Training (CCRT), UH Mānoa Also Seed Researchers/Farmers/Home Producers from around the State

Partners: The Kohala Center, College of Tropical Agriculture and Human resources (CTAHR), UH Mānoa; College of Agriculture, Proserty and Natural Resource Management (CAFNRM), UH Hilo; Hawai'i Organic Farmers Association (HOFA); Seed Conservation Laboratory/UH Center for Conservation Research & Training (CCRT); and the Organic Seed Alliance (OSA) and their university partners.

Sponsors: USDA Organic Research and Education Initiative (OREI); Organic Seed Alliance; Keauhou-Kahalu'u Education Group, Kamehameha Schools; and County of Hawai'i Research & Development.

For registration and full program, visit www.kohalacenter.org/seedsymposium/about.html or contact The Kohala Center at 808-887-6411, or info@kohalacenter.org. Free Public Talk: April 16, 2010 at 5:30 p.m. See Web site for details.











# Climate Change

May 6, 2011 Kawanui Farm

"Farmers' lack of access to seeds that are locally adapted to their region's soils and climates is a major concern. The problem is particularly problematic for organic farmers, who have very few seed choices to meet their needs. Historically, the federal government has funded "classical breeding" in all regions to assure public availability of locally adapted seeds. USDA has largely abandoned this funding. The last Farm Bill required USDA to make classical breeding a priority for agricultural research, but the agency has not complied with that mandate. The new Farm Bill should explicitly designate ten percent of the Agriculture and Food Research Initiative (AFRI) for classical breeding to address this problem."

Christine Bushway CEO Organic Trade Association October 11, 2011

### Seed Dreams for Hawai'i



# Rising and Setting

