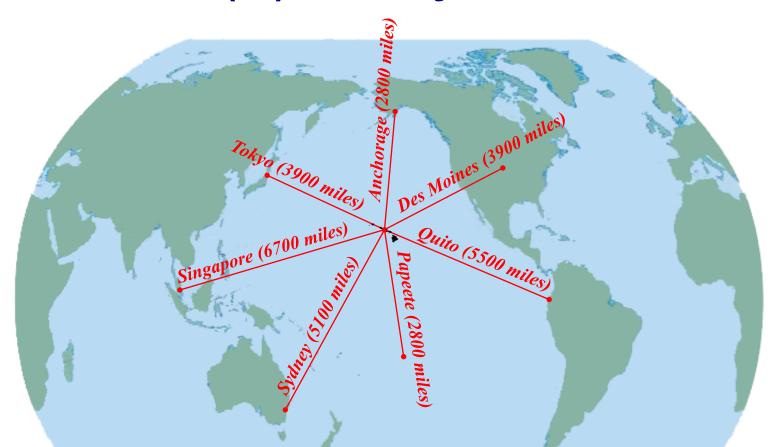
GoFarm Hawaii: Developing an Online Curriculum to Train Beginning Farmers Statewide Charles Kinoshita and Kellie Taguchi

College of Tropical Agriculture and Human Resources
University of Hawai'i at Mānoa

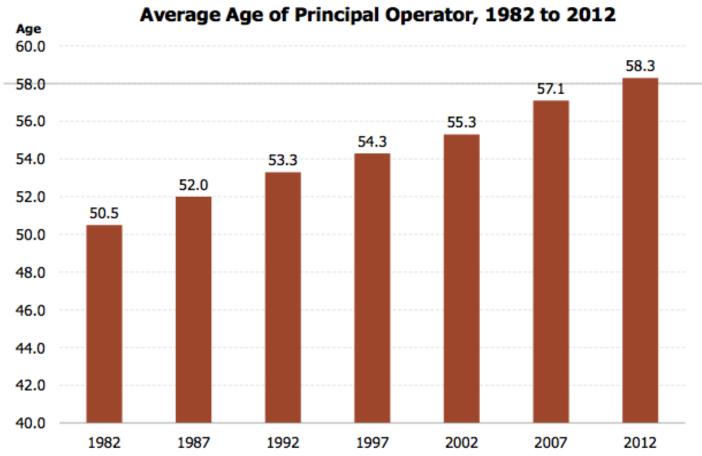


Food (in)Security in Hawai'i



- Most remote, populated land mass on earth
- More than 85% of food is imported

The Graying of Hawaii's Farmers





Source:

http://sustainableagriculture.net/wp-content/uploads/2014/05/increaseage.png

GoFarm Hawai'i

- Hawaii's premier beginning farmer development program
- Established in 2012
- Available to all committed trainees
- Includes science-based curriculum and incorporates rigorous hands-on and business training



The GoFarm Hawai'i Model

AgCurious

- Interested in farming?
- 2-3 hours

AgXposure

- Think farming might be right for you?
- Mini-course3 days

AgSchool

- Want to learn farming?
- 4 months, 2x/week

AgPro

- Want to be a farmer?
- 6 months,2x/week

AgIncubator

- Want to start farming?
- Up to 2 years (optional)

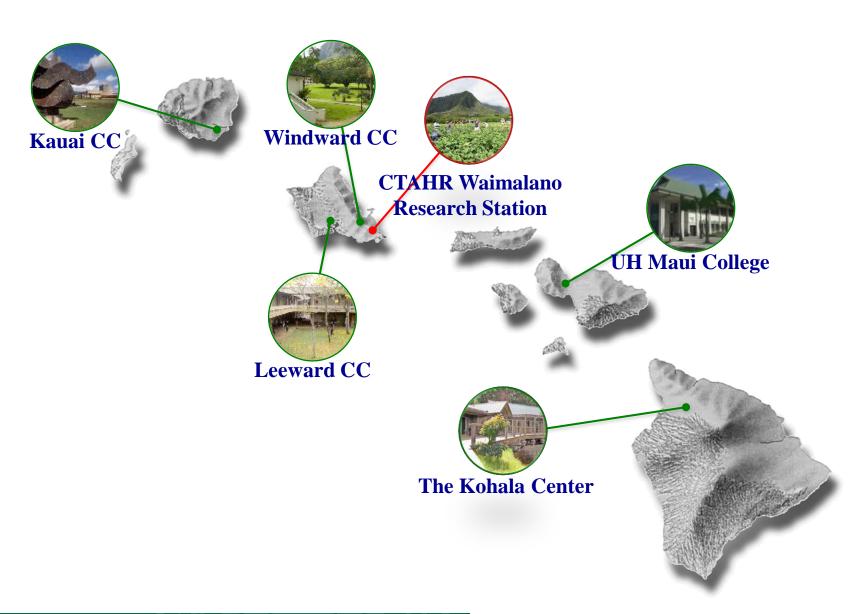


AgBusiness

- Ready to start your farm?
- Transition guidance



GoFarm Locations



GoFarm's Online Curriculum

AgSchool-4 months AgPro-6 months

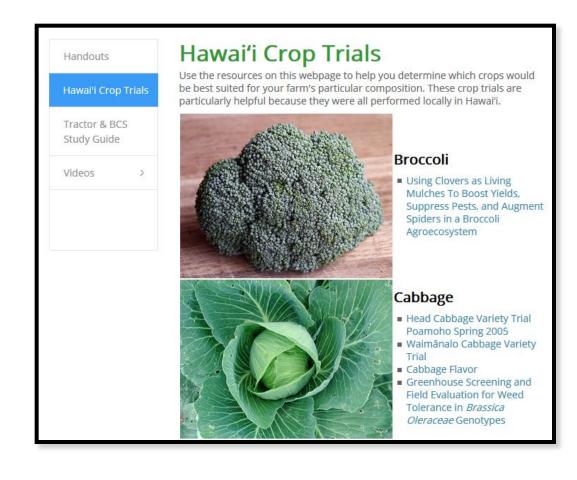
Modules include

- Field Preparation
- Maintenance & Management
- Post Harvest
- Business (AgPro)
- Advanced Topics (AgPro)



Online Modules – Benefits

- Complement faceto-face sessions
- Compatible with flipped-classroom
- Quizzes identify areas of weakness
- Ensures uniformity and builds community across GoFarm sites and cohorts
- Facilitates
 expansion to new
 GoFarm sites

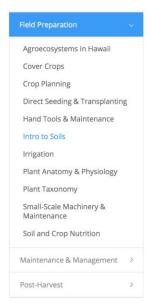


Online Modules – Features

- Video library of GoFarm coaches and experts – UH faculty and UH Extension Agents
- Discussion Board facilitates interaction by students and coaches
- Innovative educational materials
- Includes additional topics of interest for students
- Future: Wiki-style content enhancement by participants



Architecture of Modules





General Overview

Soil health is the foundation of productive farming practices. The g for water, nutrients, oxygen, and provide a medium to hold their rc essential nutrients to plants. Important physical characteristics of s infiltrate, roots to explore, and blota to thrive. Diverse and active bi cycle nutrients at rates to meet plant needs.

This module will consist of an introduction to soil components healthy, high quality soil.

Modules include:

Brief Overview

Student Learning Outcomes

Students will be able to..

- describe the process of soil development and formation
- demonstrate and describe qualities of soil texture and structure
- describe the effects of pH on soil and crop health
- propose ways to change pH to optimize crop production
- evaluate the pros and cons of till, no-till, and minimum till appro

Learning Outcomes

Recommended Reading

Weekly Quiz

All AgSchool quizzes are administered through Laulis a. If you are

Sample Soils Quiz with answers

Websites, Videos

Lecture Content

Please go over the following resources before class. These will help

Self-check Quiz

Readings

- Introduction and Chapter 2 from Building Soils for Better Crops
- Pages 97-102 from Gardening at the Dragon's Gate by Wendy Jo
- Fact Sheet 18: Record Keeping by New Entry Sustainable Farm

Study Guide

Recommended Videos

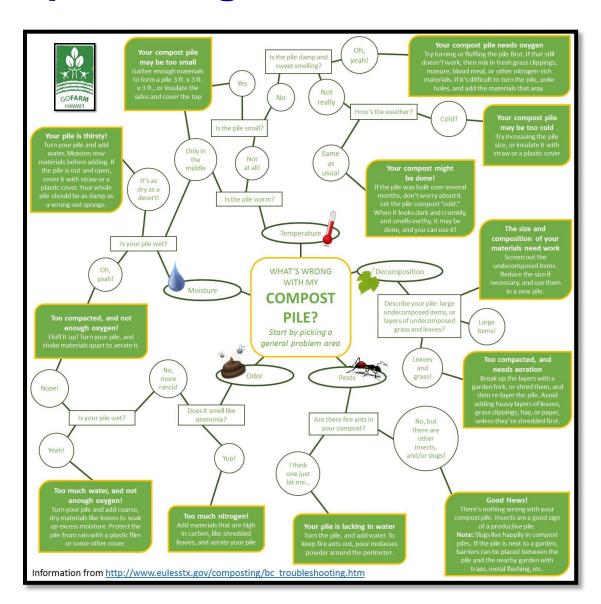
- Introduction to Soils by Jay Bost
- Understanding and Managing Soils for a Healthy and Productive Landscape by Dr. Jonathan Deenik
- Symphony of the Soils. Click here to view the trailer on Youtube.

Study Guide

- Introduction to Soils
- Student Workbook
- Glossary

Example – Compost Diagnosis Flowchart

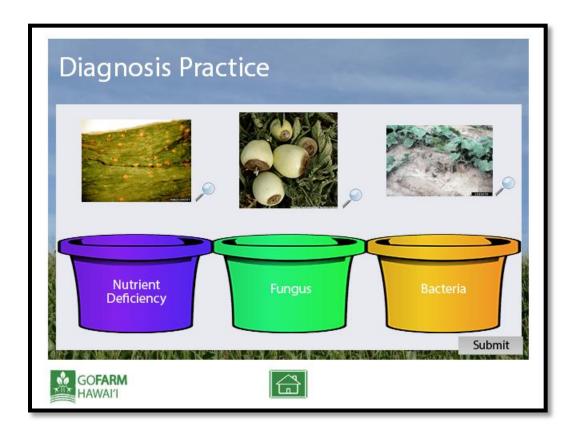
- Provides
 diagnostic
 pathway that
 students can
 follow
- Suggests
 possible causes
 and actions to
 remedy
 problems



Example – IPM Activity

Learning is scaffold for students

- Review information
- Guided practice identifying plants
- Feedback
- Self Check



Mahalo!



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- UH Manoa, CTAHR
- UH, Windward Community College
- UH, Leeward Community College
- UH, Kauai Community College
- UH, Agribusiness Incubator Program

