

Curriculum Vitae

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Education:

Ph.D. Vegetable Crops	University of Florida	1990
M.S. Horticulture/IPM	Washington State University	1987
B.S. Agronomy	Washington State University	1984

Positions Held:

Vegetable Crops State Extension Specialist and Graduate Faculty Member Dept. of Tropical Plant and Soil Science, & Cooperating Graduate Faculty, Dept. of Natural Resources and Environmental Management CTAHR, CES University of Hawaii at Manoa	2000-present
Vegetable Crops Asst. ('91) & Assoc. ('96) Extension Specialist: and Graduate Faculty Member, Dept. of Horticulture, CTAHR-CES, UHM	1991-2000
Graduate Research Assistant: Tropical Research and Education Center (TREC), Homestead Vegetable Crops Dept., University of Florida, IFAS	1987-1990
Graduate Teaching Assistant: (Plant Science, Postharvest Physiology, Plant Propagation) Dept. of Horticulture, Washington State University	1985-1987
Post Harvest Seed Technology and Wheat Breeding USDA-ARS, Wheat Genetics, Quality, Physiology and Disease Resistance Unit, Pullman, Washington	1984-1985

Areas of emphasis:

- Extension/Technology-Transfer programs for commercial vegetable production in the Tropics.
- Lead program in Organic Farming, Sustainable Farming, and Small Farms at Univ. Hawaii in Manoa
- Research on Agroecology (Agricultural Ecology), and Organic Farming in the Tropics.

Professional Accomplishments- State Level:

- 1) Helped to organize the \$60 million vegetable industry (\$300 m economic impact) in Hawaii by forming an Action Group involving industry leaders, and by developing mechanism for transferring responsibility to develop Industry Analysis from the University to the Action Group. Other Horticultural Associations used this experience as a model to develop their own Industry Analysis.
- 2) Served as Advisor to Vegetable Industry Action Group to develop state-wide Research and Extension priorities.

- 3) Sought and obtained >U.S. \$1.5 million in internal and extramural funds to conduct research and extension activities in the area of Culture and Management, Integrated Pest Management, and Sustainable Agriculture.
- 4) Provided leadership and guidance for the creation of a State-wide Vegetable Crops Extension Program consisting of 6 extension agents, several field specialists, and one commodity specialist. The program consists of annual or biannual progress meetings, in-service training, team approach to problem solving, program evaluations, and strategic plannings. Up to date communications, updates, and technical information were maintained through a bi-monthly newsletter sent state-wide to extension agents, and industry leaders.
- 5) Work with variety trials resulted in the adoption of new varieties by commercial growers including head cabbage, tomato, daikon, sweet onions, bush beans, and zucchini. For example most of the production area in the state for cabbage, sweet onions, tomato, and zucchini adopted the new identified varieties.
- 6) Work with composts and other sustainable agricultural practices (mulches, cover crops, no-till, insectaries, trap crops) increased awareness among commercial growers on the alternative management practices that exist, to reduce erosion, and pollution of aquifers or aquatic habitats.
- 7) Established an interdisciplinary Organic Farming Working Group in the College of Tropical Agriculture and Human Resources in the Spring 2005. Includes an Hawaii organic farming listserve (45 participants by June 2005), a WEB site, and a UH Intranet listserve for internal communication among UH group members.

Implementation Programs: These include publication of a Vegetable Crops Extension Newsletter distributed State-wide to Commercial Vegetable Growers; Publication of 7 detailed production guides, representing the major crop groups (roots, Solanaceous, Cucurbits, leafy & onions), that incorporate the latest in Integrated Pest Management and Sustainable Agricultural Practices. Field Days held in the different islands; workshops and presentations; and one-on-one visits throughout the state.

Accomplishments: Scientific Contributions

- 1) Contributed data on the effect of living mulches for the production of vegetable crops in the tropics. No such information is yet available in the literature in this topic for the tropics, and anywhere for the specific crops studied.
- 2) Contributed data on the long-term (>10 years) effect of compost, and other organic amendment applications and organic farming on the yield of vegetables in the tropics. Little information is available in the literature on this topic for the tropics, and none for the specific crops studied. This study is in its eighth year, and is ongoing.
- 3) Contributed data on the use of trap crops, as a habitat management scheme, for pest management in the tropics. No trap crop system has been developed for lepidopterous crops in the tropics.
- 4) Initiated studies with cover crops and insectary plants for enhancement of beneficial organisms in vegetable agroecosystems. Data on this topic is practically inexistent in the tropics. Also the study of cover crops in the tropics for management of diseases and for nutrient cycling, is also in its infancy.
- 5) Contributed data on the use of portable chlorophyll fluorescence determinations to assess photosynthetic efficiency and effects of crop nutrition on crop growth for field-grown vegetables in the tropics. No such data is yet available in the tropics, and little to no data is available for the studied vegetables, in temperate areas.

Recognitions:

My extension program was profiled as part of a Univ. of Hawaii Professional Assembly half-hour 'infomercial' played on Cable TV state-wide as an example of 'what works' at the University of Hawaii at Manoa, in terms of contributions to higher education and the state economy. Aired periodically on TV spring and summer 2000.

My extension program dealing with Sustainable Agriculture was featured as part of the Univ. Hawaii at Manoa 2001 CTAHR annual impact report, in terms of contributions to the College's ag program and contributions to the state's economy and protection of the environment.

Current Programs:

Coordinate Vegetable Applied Research and Extension Programs for the State of Hawaii. Provide educational programs to extension personnel and industry leaders. Provide resource and technical support to Vegetable County Extension Agents. Prepare and update extension publications. Provide leadership in the area of vegetable crops production, organic farming, sustainable agriculture, small-scale farming, and technology dissemination.

Summary of Extension Activities at the University of Hawaii, 1991-2002

- √ Organized and conducted workshops on all the major islands in Hawaii in the area of organic farming organic pest management (2004), and organic farming (2006-7).
- √ Organized a faculty organic working group at the University of Hawaii to spearhead research/instructional and extension efforts in Organic and Sustainable Agriculture. Helped to establish a state-wide organic farming Internet listserv (over 100 participants) as a discussion board, and helped to establish the first UH Organic Farming Website in the Pacific Region, to serve as a warehouse of organic farming information (2005 to present).
- √ Established the first CTAHR commodity-based website (for Vegetable Crops) to serve as a repository of vegetable crops production related information for the Pacific Region (1998 to present).
- √ Organized/co-organized >30 field days and >35 workshops.
- √ Gave over 100 technical presentations
- √ Obtained grants with awards of over US \$1.6 million
- √ Prepared over 350 outreach/applied research publications.
- √ Conducted over 180 experiments including over 80 cultivar trial evaluations involving 26 species in 11 crop families. Research conducted in area of fertilizer management, cultivar selection and pest management.
- √ Provided over 380 information packages to UHM faculty/extension personnel.
- √ Reviewed over 100 project proposals and research manuscripts

Special Programs/University Service

- √ UHM Tenure and Promotion Review Committee (TPRC), 2000-2001; 2006-7;
 - √ Hawaii International Certified Crop Adviser (ICCA, American Society of Agronomy) Board member, 2000-2002, 2003-2008
 - √ Senator, UHM-CTAHR Faculty Senate 2001, 2003, 2004; Chair Senate Extension Committee 2001; 2007
 - √ Lead a project to establish a partnership between Earth University in Costa Rica and UHM- the first partnership between UH and a university in Latin America. Agreement signed Nov. 10, 2003. As part of this project I hosted one professor and 5 scholars from Earth Univ. to conduct projects in Hawaii during 2004-2005.
 - √ Univ. Hawaii Contact Person for USDA Federal Organic Farming Standards 1991-present
 - √ Univ. Hawaii CTAHR USDA Small-Farm Program contact/coordinator 1998-present.
 - √ CTAHR Web committee, 2004.
 - √ CTAHR Planning for the Waimanalo Research and Outreach Center Master Plan Committee (2003, 2004).
 - √ Faculty selection committees for extension agents on Maui (2003), and Oahu (2003).
 - √ CTAHR Extension Conference Committee Member (2003).
 - √ TPSS committees: Department Personnel (2003 & 2004): Department's Future (2003);
 - √ CTAHR Sustainable Agriculture Committee (2003)
 - √ UHM-CTAHR Selection Committee for Assoc. Dean/Associate Director for Extension, 2001
- Member of UHM Graduate Faculty, 1995-present.
Member of Horticulture Dept. Personnel Committee: 1998-1999
Member of CTAHR SARE Advisory Committee: 1998-2005;
Member of Horticulture Department Graduate Examination Committee: *Crop Physiology Section*, 1994-1995.
Member of Horticulture Department Strategic Planning Committee, 1994.
Chairman of Horticulture Department Graduate Examination Committee, Spring 1995

Technical/Consulting Services:

Advisor to Hawaii SEED, a local/statewide grass-roots farmer and consumer group in Hawaii opposed to open-field testing of genetically modified crops, and supporter of organic and community-based sustainable agriculture. 2003 to present

Mozambique. Cash crop production techniques. Three week assignment to assist with techniques for cash-crop vegetable production in Zambezia province of Mozambique. Land O'Lakes Inc. Minneapolis, MN. May-June 2006

American Samoa. Conduct Organic and Vegetable Production Workshops to further the development of these industries in American Samoa.	August 2004
Organic Farming Production, Oahu. Adviser for project to establish a commercial organic farm in Punaluu, Oahu.	Nov. 2003
Jamaica- Tomato greenhouse/field production technology. Assist in all aspects of production on tomato farms near Kingston. Land O'Lakes Inc. Minneapolis, MN.	May 2002
Ethiopia- Assessment of Agricultural Production Research in the Amhara region. Development of a 5 -year plan of work for agricultural development in the Amhara Region (Regional Research/Technology Capability Assessment). Addis Abeba. USAID/CRISP Project.	Jan-Feb. 2000
Nicaragua- Assessment of Vegetable Seed Production Technology and traing of local ag technicians on the subject of Vegetable Seed Technology <i>Development Alternatives Inc.</i> , Bethesda, MD.	April 1999
Hawaii. Advisor to Pan-Pacific Cultural Center, Sustainable Agric., Honolulu, HI	1998 & 1999
Nicaragua- Consulting services to commercial large-scale and small-scale farmers to help establish a watermelon export industry, Winrock International,	March 1995
Hawaii. Cultivar Trials with Tomato, Onion, Eggplant, Cucumber, Potato, Broccoli-DelMonte Corp., and Akea Farms Inc, Hawaii.	1993-1994
Western Samoa- Expert Panel Workshop to Develop Crop Protection Manual Agric. Development for the American Pacific Program (ADAP), University of South Pacific, Alafua, Western Samoa	April 1993
Central America. Production and Marketing of Central American Root Crops and Baby Vegetables for Export to North America. <i>Agricultural Development Consultants, Inc. (AGRIDEC)</i> , Miami, Florida.	1990
Costa Rica. Production and Post Harvest for Cassava, Taro, Dasheen (<i>Xanthosoma</i>), and Yams (<i>Dioscorea</i>). <i>Dole Fresh Fruit Co.</i> , Boca Raton, Florida.	1990

Research/Extension Grants

Travel Grant to attend 1991 ASHS meetings at Penn State Univ. Univ. Hawaii Office of Research Administration	\$1,600
Travel Grant to attend 1992 Organic Crops Symposium in Washington DC, Univ. Hawaii, HITAHR	\$2,600
Travel Grant to attend 1992 Specialty Crops Symposium in Miami, Florida. USDA Smith-Lever Funds	\$2,500
Sustainable Ag. Grant: Habitat Management for control of diamondback moth in head cabbage. LISA Project of Hawaii. 2 year project, 1992-1993	\$11,000
World Sustainable Agric. Assoc. Grant to develop compost recommendations for vegetable crops, 1993-1996	\$150,000
USDA 406 Grant 1993-1996: The use of Trap Crops to improve efficiency of biopesticides for control of diamondback moth in cabbage (co P-I)	\$105,000
USDA 406 Grant 1993-1996: Methanol Sprays to increase biomass accumulation of vegetable crop (co P-I).	\$177,167
Travel Grant to develop Pest Control Handbook in W. Samoa Univ. Hawaii, Ag. Development for the American Pacific Project	\$1,700

Travel Grant to attend the 24th International Horticulture Congress in Kyoto, Japan on 21-27 Aug. 1994, UH Off. Res. Administration	\$1,900
Grant to Conduct Cultivar Trials, DelMonte Corp., 1994	\$1,000
UHM Extension Competitive Grant to Conduct Cultivar Trials FY 1995	\$5,000
Western Region Sustainable Ag. "Train the Trainers" Program FY 95	
Project to Train Extension Personnel on Sustainable Agriculture Practices (co P-I)	\$89,000
UHM Extension Competitive Grant: Cultural Management of Vegetable Crops, FY 96	\$5,000
USDA 406 Grant 1995-1998: Decision Support System for Vegetable Production (co-P.I.)	\$177,000
USDA 406 Grant FY 1996: Development of Sustainable Vegetable Agroecosystems Through Technology Integration (co-P.I.)	\$24,000
USDA Western Region IPM: Development of an Onion Production Guide for Hawaii R. Hamasaki, H. Valenzuela, R. Shimabuku, 1997 (co-P.I.)	\$8,500
Travel Grants to visit Organic Farming Research Facilities in Japan, '94, '96, '98 (Ohito Farm, Honshu; Okinawa; and, Hokkaido), World Sust. Agr. Assoc.	\$7,500
Hawaii Dept. of Ag, Evaluation of Mild Dry Onion cultivars for disease resistance to pink root and fusarium basal plate rot, R. Shimabuku, H. Valenzuela, and R. Paull (co-P.I.), 1997	\$17,000
Hawaii Dept. Ag., Development of Onion disease control strategies for pink root and basal plate rot, R. Shimabuku, J. Cho, and H. Valenzuela, and J. Uchida (co-P.I.), 1997	\$29,500
Hawaii Dept. of Agriculture, Cucumber and Bean Variety Trials, 1997	\$4,000
LISA for Hawaii Project, Using cover crops for weed and erosion control in a large scale vegetable production system, Christine Crosby, P.I. (co-PI, major advisor)	\$3,000
UH Extension Competitive Grant: H Valenzuela, R Shimabuku, J Tavares, R Hamasaki, Effective spray application using appropriate surfactant and nozzle types (co-P.I.), 97-99	\$21,000
World Sustainable Agric. Assoc. Grant to develop compost recommendations for vegetable crops, 1997-2000	\$132,500
Hawaii Dept. of Agriculture, Vegetable Variety Trials, 1998-1999	\$20,000
Travel Grant to attend 1998 ASHS meetings at N. Carolina State, Univ. Univ. Hawaii Office of Research Administration	\$2,000
Hawaii Dept. of Agriculture, Development of Sweet Onion Production and Postharvest Practices, 1999- April, 2000 (co-PI)	\$35,000
Travel Grant to attend 2001 ASHS meetings in Sacramento, Univ. Hawaii Office of Research Administration	\$1,700
Commercial Eggplant Production Guide for Hawaii- April 2001. UHM-CTAHR Competitive Grant	\$5,000
State-wide vegetable cultivar trials, April 2001. UHM-CTAHR Competitive Grant	\$5,000
Organic Farming Research with composts and cover crops, April 2001. UHM-CTAHR Competitive Grant	\$13,000
Alternative Pest Control Strategies for onion production in Kula, Maui, 4/01. UHM-CTAHR Competitive Grant (co P-I).	\$13,000
USDA-Educational Assistance Project Proposal (EQUIP), Yield response of vegetables to P Fertilizer applications in Kamuela, Hawaii, Sept. 2001	\$3,200
Building Capacity in Extension Evaluation, 2001-2002, PI's: Pamela Kutara (10%), Kelvin Sewake (10%), Hector Valenzuela (10%), UHM-CTAHR Special Project.	\$5,000
USDA-NRCS, Research Project (2002-2003): Yield Response of vegetables to phosphorus fertilizer applications In Hawaii. Honolulu, HI.	\$9,900
Hawaii Dept. of Agriculture, Yield response of vegetables to phosphorus fertilizer applications in Hawaii, Honolulu, HI. 2002-2003	\$18,000
CTAHR Research-Extension Project: Mycorrhizae inoculation of vegetables Mitiku Habte and Hector Valenzuela (Co-PI's)	\$10,000
USDA-Hatch Project: Optimizing the soil environment for diversified crops in Hawaii, N.V. Hue and Hector Valenzuela (Co-PIs). Oct 2003 - Sept. 2008.	\$50,000
USDA-Hatch Project: Best Irrigation Practices to Optimize Crop Production in Hawaii Diversified Agriculture and Minimize Negative Environmental Impact of Excess Irrigation." Oct. 2003 to Sept. 2006. Ali Fares and Hector Valenzuela (Co PIs).	\$4,500

USDA T-STAR Section 406 Grant. Toward organic farming: using animal and green manure-based composts to improve soil quality and crop productivity. N. Hue and Hector Valenzuela (Co-PIs). Oct. 2004 to Aug 2007).	\$165,678
USDA T-STAR Section 406 Grant. Growth of tropical crops in response to organic amendments and indigenous arbuscular mycorrhizae. Mari Marutani (U. Guam) and H. Valenzuela (Co-PIs). Oct. 2005 to Aug. 2008	\$289,900
Organic Pest Management Workshops. Funding by HI Dept. of Agric. to conduct 3 workshops throughout the state. (obtained through the Hawaii Organic Farmers Assoc, with UH's Debbie Ward. 2004.	\$3,000.
Organic Farming Research with composts and cover crops, Sept. 2005. UHM-CTAHR Competitive Grant	\$3,000
Vegetable Variety Trials. DOA Competitive Grant. 2006.	\$36,000
CTAHR and DOA grant to conduct four Organic Farming Workshops, 2006.	\$25,000
	<u>Total Grants 1991-2006</u>
	\$1,656,245

Research Projects:

Vegetable Commercial Germplasm Evaluation for the Tropics Fresh tomato, daikon, cole crops, bulb onion, cucumber, eggplant, zucchini Bush beans, pole beans, sweetpotato, bell pepper, bittermelon, yard long beans	1992-present
Organic Farming, Compost, organic amendments, and Cover crops long-term (> 15 years) Trials on Vegetable Crops	1993-present
Habitat management, cover crops, and trap crops for alternative pest control, Univ. Hawaii at Manoa	1993-present
Phosphorus calibration studies in high P vegetable soils	2001-2004
Nitrogen Calibration Experiments/Rapid petiole sap Nitrate Kits	1995-2003
Effect of methanol sprays on yields of vegetable crops	1993-1996
Photosynthesis/Resource Utilization of Cocoyam, (<i>Xanthosoma sagittifolium</i>), University of Florida, TREC, IFAS Shade studies and Nitrogen utilization, Advisor S.K. O'Hair & B. Schaffer	1987-1990
Insect/Cold Damage on Asparagus Dept. Horticulture, Washington State University, Advisor D.R. Bienz	1985-87
Branching Induction in Apple by Defoliation or Cytokinins Dept. Horticulture, Washington State University, Advisor C. Rom	1986

Post-graduate Visitors

Russell Nagata, Professor, Univ. Florida, sabbatical, lettuce breeding, 2001.

Carlos Hernandez, Professor, Earth University, Costa Rica, sabbatical, biofuels, soil fertility, 2004.

Paula Guerra Morán, Marcos Rojas Arroyo, Mauricio Avila
Post-graduate Scholars from Earth University, Costa Rica, 1 yr. Scholar program at UHM, 2004-2005

Cultivar Selection and Trap Crops for Control of Diamondback moth in Cabbage. Aug. 27 and Sept. 24, 1992 in Kula, Maui and Kamuela, Hawaii respectively.

The Vegetable Industry in Hawaii. USAID International Students Visiting Program tour to Hawaii. Dec. 23, 1992.

Nature Farming in Japan. July 8, 1993. Miscellaneous Seminar. College of Tropical Agriculture and Human Resources, University of Hawaii at Manoa.

Fertilizer Management for Vegetable Crops in Hawaii. Staff Development Workshop, University of Hawaii College of Tropical Agriculture and Human Resources, 10 Sept. 1993

Vegetable Production in Hawaii, 18 Nov. 1993. Presentation to Focus in Agriculture, Television Program, televised state-wide, including 1 hr presentation and 0.5 hr questions and answer period.

Container Gardening, 23 April 1994. First CTAHR Alumni Assoc. Open House. Univ. Hawaii, Honolulu.

Living mulches and genotype effect on growth of eggplant. ASHS Meetings, Corvallis, Oregon, Aug. 8, 1994.

Use of trap crops for control of diamondback moth in head cabbage, Ohito Nature Farm Experiment Station, Ohito, Japan, Aug. 15, 1994.

Habitat management for pest control in cabbage agroecosystems. 24th International Horticulture Congress, Kyoto, Japan, 22 Aug. 1994.

Effect of composts on growth and yields of basil. Horticulture Seminar, 3 Oct. 1994, Univ. Hawaii at Manoa, Honolulu.

Attracting Beneficial Insects. at 4th WSSA Sustainable Agriculture Conference, Hilo, Hawaii. 11 Nov. 1994, Invited Speaker.

Growing Vegetable Crops Organically, Presentation to Focus in Agriculture, Television Program, televised state-wide, including 1 hr presentation and 0.5 hr questions and answer period, 16 March 1995.

Sustainable Agriculture Research and Education Programs in Hawaii. Radio Interview in English/Japanese, Radio KZOO, Honolulu, June 18 and Nov. 5, 1995.

The use of trap crops and insectaries for management of caterpillars and for build-up of beneficial organisms in head cabbage. UH Lalamilo Experiment Station, June 21, 1995.

On-Farm Research Strategies for Sustainable Agriculture. Sustainable Agriculture Train-the-Trainers Workshop, Kahului, Maui, June 28, 1995.

Sustainable Agricultural Research in Hawaii. Sustainable Agriculture Workshop, Annual Meeting of the American Society for Horticultural Sciences, Montreal, Canada, August 1, 1995.

Sustainable Agricultural Practices for Vegetable Crops Production. Sustainable Agriculture Train-the-Trainers Workshop, Kona, Hawaii, August 28, 1995.

Panel Moderator: Techniques for building soil fertility through composts and Cover Crops. 5th WSSA Annual Sustainable Agriculture Conference, Honolulu, HI, Nov. 10, 1995. 400 attendants.

Compost Experiment with Filipino spinach, saluyut. Sustainable Agriculture Field Day, part of the 5th Annual Sustainable Agriculture Conference, Honolulu, HI, Nov. 10, 1995. 250 attendants.

The role of extension agents in making Fertilizer recommendations in Hawaii. CTAHR Fertilizer Management Workshop. Nov. 16, 1995.

The use of Sewage sludge and composts for the production of diversified crops. In: Technology Transfer Workshop: Environmental Technologies for Hawaii (UHM Office of Technology Transfer & Economic Development- OTTED). Dec. 4, 1995.

Transition to Sustainable Vegetable Cropping Systems. In: Workshop on Transition to Sustainable Agriculture. Kauai, 6 January 1996.

Vegetable Specialist State-wide extension programs. Presentation to farmers in Kamuela farmers. Feb. 9, 1996.

The use of habitat management for enhancement of caterpillars biological control in cabbage. 1996 Pacific Entomological Conference, Honolulu Feb. 13, 1996.

Three presentations on: Tips for Vegetable Gardening in Hawaii, at Kauai Home-Garden Fair. March 30, 1996.

Vegetable Production and Gardening Resources in Hawaii. Maui Garden and Exposition Show, April 13th, 1996.

Tomato Nitrogen Fertilizer Recommendations. Vegetable Crops Field Day, UH Waimanalo Station, June 6, 1996.

Video Presentations as part of CTAHR Production Lectures for Displaced Plantation workers in Waialua, July-August 1996:

- i) Plant Botany and Crop Nutrition
- ii) Fertilizer Management
- iii) Production of Fruit Vegetables
- iv) Production of Leafy Vegetables
- v) Production of Root Vegetables
- vi) Irrigation Management Practices
- vii) Postharvest Management Practices

Composts and Green Manure Crops, 6th WSAA Sustainable Agriculture Conference, Kahului, Maui, 16-17 Nov. 1996.

Growing Vegetables in Containers, two presentations, Kauai 2nd Annual Farm Fair, March 15-16, 1997.

Container Gardening, CTAHR 1997 Open House, April 19, 1997.

Trend of Vegetable Industry in Oahu. Oahu Vegetables Marketing Conference, Honolulu, March 28-29, 1997.

Nature farming compost research project at the UH Waimanalo Research Station, Radio Interview, Honolulu, May 4, 1997.

Using cover crops in vegetable cropping systems. Cover Crops Workshop, UHM CTAHR Extension Conference, Hilo May 20, 1997.

Resources in the Internet, Internet Workshop, UHM CTAHR Extension Conference, Hilo May 22, 1997.

Onion Production and IPM Manual. Sept. 24, 1997. CTAHR Extension Agent Conference on IPM, Pearl City, Sept. 24-25, 1997.

Long-Term Nature Farming Research and Demonstration Plots, Waimanalo Station, Field Day, Oct. 1, 1997.
Attendants were about 30 Agricultural/Biological engineers from universities, government and industry in Japan.

Research on MOA Nature Farming Guidelines. The 7th Annual Hawaii Conference of the World Sustainable Ag. Association. Kona, Hawaii, Nov. 8 and 9, 1997.

The changing vegetable crops industry in Hawaii. UH CTAHR Horticulture Dept. Seminar, Nov. 17, 1997.

Long-Term Nature Farming Research and Demonstration Plots, Waimanalo Station, Field Day, Dec. 10, 1997.
About 30 attendants, most of whom were members of nature farming cooperatives of Ishikawa Prefecture in Japan, delegation headed by Mr. Eishi Nomoto, President, Ishikawa Prefectural Association, from the Japanese National Federation of MOA Nature Farming Branch Cooperatives.

Long-term Nature Farming Research and Demonstration Plots, Waimanalo Station, Field Day., Jan. 21, 1998. About 30 attendants from Japan, Florida, California, and Hawaii.

Agroecology Research in Hawaii, UH Geography Department Spring Colloquium Series. UHM, Honolulu, April 16, 1998.

Organic Farming Pest Control Practices, as part of the Organic Farming SARE Workshop, UHM, Honolulu, UHM Honolulu, Feb. 12, 1999.

Organic Farming Nutrient management, as part of the Organic Farming SARE Workshop, UHM, Honolulu, Feb. 12, 1999.

Seminario sobre tecnología de producción de semilla en hortalizas (Vegetable Seed Production Workshop). Presented a 1-day workshop to 70 agricultural engineers from all of the important vegetable production areas of Nicaragua. Universidad Agraria de Nicaragua, Managua, April 22, 1999.

Seminario sobre tecnologías modernas para la producción de hortalizas. Presented a half-day workshop on key vegetable production techniques to about 20 farmers and agricultural leaders from Sebaco, a major vegetable production area in Nicaragua, Sebaco, April 26, 1999.

Moderator, Introductory Session. International Congress on the organic production of vegetables in the tropics. Antigua Guatemala, May 18, 1999.

Prospects and Research on Organic Farming in the Tropics, Colloquium on Organic Farming, American Society of Horticultural Sciences Annual Meeting, Minneapolis, Minnesota, July 29, 1999.

Tips for Container Gardening, Hawaii HFBF Farm Fair, Honolulu, August 6, 1999. About 40 attendants.

Vegetable Variety Trials at the University of Hawaii, Manoa: Results and Methodology. Pacific Islands Workshop on Seed Variety Trials. Vanuatu, August 16-20, 1999.

Organic Farming Certification, Research, and Prospects for the Tropics. Pacific Islands Workshop on Seed Variet Trials, Fiji, August 16-20, 1999.

UH-CTAHR state-wide Vegetable crops extension program. Part of a 30 minute television 'infomercial' prepared by the University Hawaii Professional Assembly (UHPA, Faculty Union), to showcase the value of the University of Hawaii system to the state; broadcasted about 30 times state-wide in Hawaii. My section was one of four faculty profiles as part of a showcase for "what works" at UH. Feb. 2000.

Sustainable Agriculture, Radio Interview on KSSK Radio with Ray Uchida, Honolulu, HI. April 15, 2000.

Organic Nutrient Management. Guest lecture. Agron 4xx, Soil Fertility Course for Dr. Habte. May 1, 2000.

The effect of solarization, metam sodium, biological soil treatments and cover crop amendments on pink root incidence and yields of sweet onion in Maui, Hawaii. Florida State Horticultural Society Annual Meeting, Lake Buena Vista, Florida. July 24, 2000.

The effect of bone meal on the yield of jicama, *Pachyrhizus erosus*, in Oahu, Hawaii. Florida State Horticultural Society Annual Meeting, Lake Buena Vista, Florida. July 24, 2000.

Certification for organic farming, presentation to Chinese Delegation of businesspeople and farmers from Hong Kong. Honolulu, Sept. 18, 2000.

Cover crop production technologies for the tropics. Cover Crops SARE Workshop. University of Hawaii at Manoa. Honolulu, HI. Oct. 5, 2000.

Cover crop evaluation trials under organic and conventional farming conditions. Cover Crops SARE Workshop. Univ. of Hawaii at Manoa, Honolulu, HI. Oct 5, 2000.

Compost Use in Vegetable Crop Production. IN: Workshops on: Planning and Implementing Best Management Practices for Livestock Operations. Oahu (Jan. 10), Maui (Jan. 11), and Hilo (Jan. 12, 2001). Invited presentations.

Sustainable Vegetable Crop Production for the Tropics. Hawaii Agriculture 2001, SARE Conference, Hilo, Jan. 26-27. 2001. Invited presentation.

Vegetable Agroecology Research in Hawaii. University of California at Davis, Invited Presentation. March 15, 2001.

Vegetable Agroecology Research in Hawaii. USDA Station, Salinas, California. Invited Presentation. March 16, 2001.

Trap crops, insectaries, and biofumigation. SARE Sustainable Farming Workshop. Molokai Comm. College Educ. Ctr, Kaunakakai, Molokai, Hawaii. June 16, 2001. Invited Presentation.

Cover Crops, solarization, compost and soil organic matter. SARE Sustainable Farming Workshop. Molokai Comm. College Educ. Ctr, Kaunakakai, Molokai, Hawaii. June 16, 2001. Invited Presentation.

The effect of bone meal and chicken manure on the growth and yield of jicama, *pachyrhizus erosus*, in hawaii. American Society of Horticultural Science annual meeting. Sacramento, California. July, 30, 2001.

Chili peppers, interview. Television Channel 8 (NBC). Early morning news with Gyle Galdera and Guy Hagi, Aug. 8, 2001.

Chili peppers, botany, history, and uses. As part of "Chili pepper Extravaganza" Event at Halekulani Hotel, Honolulu, Aug. 10, 2001. InvitedPresentation.

Biotech farming discussion panel, as part of two member panel, along with Dr. Richard Manshardt. To be televised in Olelo public television. Invited presentation. Honolulu, Hawaii, Oct. 29, 2001.

Vegetable Production Basics. Two-hour presentation to Master Gardener trainees. Maui. May 31, 2002.

Why Grow Organics? Introduction and Perspectives on Organic Farming in Hawaii. Food Just Grow it! Workshop for Agriculture HighSchool Instructors of Hawaii. Honolulu, June 27, 2002.

Applied Agroecology Research in Hawaii. Invited presentation to Waimanalo Growers Association, Waimanalo, Oct. 11, 2002) (ca 20 participants).

Vegetable Industry in Hawaii. Guest Lecture. Hort 200. UH-Manoa, Honolulu. Nov. 15, 2002.

The Regulated Organic Foods Market. WEB On-line, Guest Lecture, Professor Aurora Saulo, TPSS 701, March 31, 2003.

Phosphorus Calibration Trials with mustard cabbage grown in High P Soils at three locations, CTAHR Nutrient Management Workshop, Aug. 13-14, 2003, Honolulu. Invited Presentation.

Problems with Crop biotechnology in Hawaii. Invited presentation, invited panel member. Maui Parks and Agriculture committee, Council of the County of Maui, Kahului, Sept. 18, 2003.

Problems with Crop biotechnology and organic pest management strategies in Hawaii. Invited presentation. Featured Speaker, invited presentation. Hawaii Organic Farmers Association, Annual Conference. King Kamehameha Kona Beach Hotel, Kona. Nov. 2, 2003.

Resource Person for statewide GMO-free Hawaii "Crop biotechnology" workshop held in Kauai, Jan. 23 to Jan, 26, 2004. About 40 participants.

Seventeen (17) Organic Production/Pest control Presentations, Summer 2004. During the summer of 2004 gave 17 invited presentations dealing with organic nutrient management, organic cultural management, organic pest management tools, organic crop production, organic postharvest management, disease diagnosis, and organic marketing to a diverse audience of farmers and ag professionals as part of 4 workshops that were conducted in Oahu, Big Island, Kauai, and American Samoa. About 180 participants attended these presentations.

Concerns about gmo papaya contamination in Hawaii. Invited presentation. Part of a press release by GE-free Hawaii to announce the results of a study showing gmo papaya contamination in Hawaii. Invited presentation. UH-Hilo, Sept. 9, 2004. About 60 attendants.

Soil Fertility Programs for Hawaii. Invited Presentation as part of Organic Farming Inspectors Training Workshop, held by Hawaii Organic Farmers Association (HOFA), and International Organic Inspectors Association (IOIA), Oct. 2, 2004. About 50 participants.

Issues with Crop Biotechnology in Hawaii. Guest Lecture. Natural Resource and Environmental Management Department, Undergraduate Course. Oct. 7, 2004. About 22 participants.

Crop Biotechnology in Hawaii. Introduction, and follow-up commentary discussion to the movie presentation: "The Future of Food". Invited Presentation. Univ. Hawaii at Manoa Architecture Building. Oct. 15, 2004. About 70 participants.

Organic Farming in Hawaii and CTAHR's role. Invited presentation to introduce this Workshop Session, as part of the 2004 CTAHR Extension Staff Conference, About 50 participants. Oct. 20, 2004.

Crop Biotechnology in Hawaii, Environmental and Human Health Risks. Invited Presentation as part of Windward Community College Book Club, Speaking Series, based on the Book "Fast Food Nation. Windward Community College. Oct. 27, 2004. About 40 participants.

Crop Biotechnology in Hawaii and GMO research at the University of Hawaii. Invited Panel presentation. Kihei Community Center, Maui, About 200 attendants including farmers and community members. Jan. 13, 2005.

Crop Biotechnology in Hawaii and GMO research at the University of Hawaii. Invited Panel presentation. Part of the "'A Ke A'a Indigenous Voices Speak out on Agricultural Biotechnology" Tour with native speakers from New Zealand, Nevada, and Hawaii State Capitol, Legislative breakfast briefing. About 80 attendants including several legislators, farmers, community members, and representatives from DOA, UH, Farm Bureau, Farmers, and several environmental and native Hawaiian organizations. State Capitol, Oahu. Jan. 24, 2005.

Crop Biotechnology in Hawaii and GMO research at the University of Hawaii-Manoa. Invited panel presentation. . Part of the 'A Ke A'a Indigenous Voices Speak out on Agricultural Biotechnology Tour with native speakers from New Zealand, Nevada, and Hawaii. Hanalei Community Center, Kauai. About 30 participants including about 10 taro farmers, and 12 school children. Jan. 25, 2005.

Crop Biotechnology in Hawaii and GMO research at the University of Hawaii-Manoa. Invited panel presentation. Part of the 'A Ke A'a Indigenous Voices Speak out on Agricultural Biotechnology Tour with native speakers from New Zealand, Nevada, and Hawaii.. Warm Memorial Convention Center, Lihue. about 150 participants. Jan. 25, 2005,

Crop Biotechnology in Hawaii and GMO research at the University of Hawaii-Manoa. Radio Interview, Gardening Show, Kauai Community Radio Station. Jan. 26, 2005. About 10 call-in questions.

Crop Biotechnology in Hawaii and research at the University of Hawaii-Manoa. Invited panel presentation. Part of the 'A Ke A'a Indigenous Voices Speak out on Agricultural Biotechnology Tour with native speakers from New Zealand, Nevada, and Hawaii. Molokai. About 30 participants, including taro farmers and community members. Jan. 30, 2005.

Basics of crop biotechnology. Invited panel presentation as part of the discussion on the Hamakua Agricultural Plan. Honokaa People's Theater, February 17, 2005. About 120 in attendance.

Health and Environmental Risks of GM crops in Hawaii. Invited panel presentation as part of the discussion on the Hamakua Agricultural Plan. Honokaa People's Theater, February 17, 2005. About 120 in attendance.

Organic Farming Techniques and Certification. Two hour Guest presentation. Kaneohe CES Office. About 12 attendants. March 28, 2005.

Update on GM taro research in Hawaii. Invited presentation and panel member. Kauai Taro Growers Association Meeting. Kauai. March 30, 2005. About 15 attendants.

GM taro research in Hawaii. Guest lecture to Traditional Wetland taro Class, UHM Center of Hawaiian Studies, April 25, 2005. 10 participants.

Industry Associations. Guest Lecture, TPSS 300 Horticultural Systems. April 29, 2005. 10 students.

Invited to GMO panel in Kauai, with the Hawaii Institute of Public Affairs, as part of a project by the Pew Foundation on Biotechnology. The panel was established to discuss the potential benefits and risks of crop biotechnology in Kauai, as a microcosm of the state, and of the world. May 20, 2005. About 20 participants.

Philosophical Issues dealing with adoption of crop biotechnology in Hawaii. Invited presentation as part of one-day Forum on Biotechnology. CTAHR- Univ. Hawaii at Manoa. About 90 faculty/administrators/staff and students attended. UH-Manoa Campus Center Ballroom, May 25, 2005.

Potential environmental risks from the adoption of crop biotechnology in Hawaii. Invited presentation as part of one-day Forum on Biotechnology. CTAHR- Univ. Hawaii at Manoa. About 90 faculty/administrators/staff and students attended. UH-Manoa Campus Center Ballroom, May 25, 2005.

Potential human health risks from the adoption of crop biotechnology in Hawaii. Invited presentation as part of one-day Forum on Biotechnology. CTAHR- Univ. Hawaii at Manoa. About 90 faculty/administrators/staff and students attended. UH-Manoa Campus Center Ballroom, May 25, 2005.

Vegetable production Worksop. Two hour Invited presentation. Part of a training series, Risk management training for Filipino Immigrant farmers of Hawaii, Waialua, Oahu. About 15 participants. May 26, 2005.

Biotechnology, risks, benefits and cultural issues for Hawaii. Invited presentation to UH Summer Program High School Students, Na Pua No'eau, UH Center for Gifted and Talented Native Hawaiian Children, UH Law School Auditorium. June 14, 2005. About 40 participants.

Food security, agriculture and Social issues in Hawaii. Invited presentation to the Social Justice Group of the Sacret Heart Church, Manoa Valley. June 23, 2005. Six participants.

Co-existence farming in Hawaii: Organic Farming Methodologies. Invited presentation to a Farm-Bureau meeting on coexistence between non-gmo farmers and biotechnology farmers in Hawaii. Honolulu. September 9, 2005. About 50 participants.

Vegetable production Worksop. Two hour Invited presentation. Part of a training series, Risk management training for small-scale Immigrant farmers of Hawaii, Mililani, Oahu. About 25 participants. Sept. 22, 2005.

Vegetable production Workshop. Three hour invited presentation, to Filipino farmer trainees. Kula, Maui. About 15 participants. November 18, 2005.

Crop Biotechnology in Hawaii and at UH. Invited panel presentation. Workshop organized by GMO-Free Hawaii. Church of the Cross-Roads, Honolulu. About 50 participants. Jan. 12, 2006.

Crop Biotechology in Hawaii. Patagonia Store. Haleiwa, Oahu. About 60 participants. March 20, 2006.

Industry organizations. Guest Lecture. Hort 300. UH Manoa. About 20 students. April 26, 2006.

Organic Farming in Hawaii. Invited Presentation. Produce Workshop for Wholesalers/Retailers. DOA Quarantine Office, Honolulu. About 90 participants. April 27, 2006. About 70 participants.

Issues with crop biotechnology in Hawaii. Part of a three-panel presentation for a program to be televised on Maui Public Television. Kahului, Maui. May 17, 2006.

Vegetable Production Workshop. Two-day workshop given to extension agents from Zambezia Province in Mozambique. USAID-World Vision Ovata Program. Morrumbala. June 8 & 9, 2006. 50 participants.

Tropical Vegetables. Invited Presentation to Agriculture delegation from China. UH Manoa. June 27, 2006. About 25 participants.

Crop biotechnology, taro biotechnology, and alternative pest management programs for taro production in Kauai. Invited Presentation. Monthly meeting of Kauai taro growers Association. Kauai. July 19, 2006. About 11 participants.

Crop biotechnology risk assessment and the future of agriculture in Hawaii. Invited presentation. "Mayor Hanibal Tavares Community Center," Pukalani, Maui. About 40 participants. August. 8, 2006.

Introduction to Organic Farming in Hawaii. Invited Presentation. In: Organic Farming Workshop. Two-day workshop for new farmers, transitional farmers and staff from sister agencies. Windward Community College, Oahu. Sept. 7, 2006. About 55 participants.

Postharvest Management in Organic Farming. Invited Presentation. In: Organic Farming Workshop. Two-day workshop for new farmers, transitional farmers and staff from sister agencies. Windward Community College, Oahu. Sept. 8, 2006. About 55 participants.

Prospects for Organic Farming in Hawaii. Invited Presentation. In: Organic Farming Workshop. Two-day workshop for new farmers, transitional farmers and staff from sister agencies. Windward Community College, Oahu. Sept. 8, 2006. About 55 participants.

The Agricultural Industry in Hawaii and future prospects. Invited Presentation. Revolution Books. Honolulu, Hawaii. Sept. 10, 2006. About 15 participants.

Cover Crops and other techniques to manage pests in wetland taro. Invited Presentation. Kauai Taro Festival. Hanalei. Oct. 28, 2006. About 25 participants.

Introduction to Organic Farming in Hawaii. Invited Presentation. In: Organic Farming Workshop. Two-day workshop for new farmers, transitional farmers and staff from sister agencies. Maui Community College, Maui. Nov. 16, 2006. About 55 participants.

Certification for Organic Farming In Hawaii. In: Organic Farming Workshop. Two-day workshop for new farmers, transitional farmers and staff from sister agencies. Maui Community College, Maui. Nov. 16, 2006. About 55 participants.

Prospects for Organic Farming in Hawaii. Invited Presentation. In: Organic Farming Workshop. Two-day workshop for new farmers, transitional farmers and staff from sister agencies. Maui Community College, Maui. Nov. 17, 2006. About 55 participants.

Introduction to Organic Farming in Hawaii. Invited Presentation. In: Organic Farming Workshop. Two-day workshop for new farmers, transitional farmers and staff from sister agencies. Kona, Hawaii. Nov. 30, 2006. About 55 participants.

Certification for Organic Farming In Hawaii. In: Organic Farming Workshop. Two-day workshop for new farmers, transitional farmers and staff from sister agencies. Kona, Hawaii. Nov. 30, 2006. About 55 participants.

Introduction to Organic Farming in Hawaii. Invited Presentation. In: Organic Farming Workshop. Two-day workshop for new farmers, transitional farmers and staff from sister agencies. Molokai. Jan. 11, 2007. About 40 participants.

Certification for Organic Farming In Hawaii. In: Organic Farming Workshop. Two-day workshop for new farmers, transitional farmers and staff from sister agencies. Maui Community College, Maui. Jan. 11, 2007. About 45 participants.

Prospects for Organic Farming in Hawaii. Invited Presentation. In: Organic Farming Workshop. Two-day workshop for new farmers, transitional farmers and staff from sister agencies. Maui Community College, Maui. Jan. 12, 2007. About 45 participants.

Introduction to Organic Farming in Hawaii. Invited Presentation. In: Organic Farming Workshop. Two-day workshop for new farmers, transitional farmers and staff from sister agencies. Kauai Community College, Hawaii. Jan. 18, 2007. About 55 participants.

Certification for Organic Farming In Hawaii. In: Organic Farming Workshop. Two-day workshop for new farmers, transitional farmers and staff from sister agencies. Kona, Hawaii. Jan. 18, 2007. About 55 participants.

Establishing a Good Production Program. Two-hour invited presentation for beginning farmers in Hamakua, Big Island. As part of Course: Practical Agriculture for Hamakua. About 30 participants. Honokaa, April 16, 2007.

Using composts and cover crops for nutrient and pest management. Two-hour invited presentation for beginning farmers in Hamakua, Big Island. As part of Course: Practical Agriculture for Hamakua. About 30 participants. Honokaa, April 23, 2007.

Panel discussion on crop biotechnology in Hawaii. Follow-up to screening of the movie: The Future of Food. Haleiwa Court House, Haleiwa. About 35 participants. April 29, 2007.

Food Self-sufficiency and sustainability in Hawaii. Invited presentation to the Osher Lifelong Learning Institute, College of Arts and Sciences, Univ. Hawaii at Manoa. June 20, 2007. About 12 participants.

Can Hawaii Feed Itself: Modern Farming and Sustainable Agriculture. Invited Panel presentation. Hawaii Food Summit. Kohala Coast Center. Kona, Hawaii. 400 participants. October 6, 2007.

Genetic Engineering, Industrial Agriculture and Concerns about Food Security. Invited Presentation. Common Book Lecture Series. Windward Community College. <http://www.wcc.hawaii.edu/CommonBook/2007-2008/Events.html> About 30 participants. October 23, 2007.

Quality and Safety Standards for Organic Fruits and Vegetables: Issues and Challenges in Meeting the US Market Requirements. Invited Presentation as an International Resource Person for the Workshop: Quality and Safety Standards for Fruit and Vegetables held 12-16 November 2007 in Taiwan, and organized by the Asian Productivity Organization (APO) in cooperation with the China Productivity Center and Council of Agriculture. About 40 participants. Nov. 12, 2007.

Results from 2007 Seminis and UH tomato variety trials (talk given by Jari Sugano on my behalf using report I provided to her). UH Pearl City Urban Garden, Oahu. Nov. 15, 2007.

Environmental and Health Risks from genetically modified organisms. Invited Presentation. Kauai Community College Cafeteria. About 50 participants. December 3, 2007.

Genetically Modified Organisms vs Ecological Agriculture for community development. Invited Presentation. Sociology Class. Kauai Community College. About 40 students. December 4, 2007.

Genetically Modified Organisms vs Ecological Agriculture for community development. Invited Presentation. Anthropology Class. Kauai Community College. About 40 students. December 4, 2007.

Environmental and Health Risks from genetically modified organisms. Invited Presentation. Hale Halawai 'Ohana 'O Hanalei Community Family Center. About 15 participants. December 4, 2007.

174 total by December 2007

Organized Workshops

First Annual State-Wide workshop for University of Hawaii Vegetable County Extension Agents and UHM Vegetable Crops Multidisciplinary Team: Short and Long Term Planning for the State-Wide Extension Program. University of Hawaii at Manoa. April 4, 1991.

Second Annual State-Wide Workshop for University of Hawaii Vegetable County Agents: CTAHR Vegetable Crops Multidisciplinary Presentations and Coordination of State-wide Vegetable Extension Program. University of Hawaii at Manoa. Dec., 11, 1991.

Third Annual State-wide Workshop for University of Hawaii Vegetable County Agents: 1) Vegetable Crop Production Technology in Taiwan; North Carolina; South Florida; West Florida; Yuma Valley, Arizona; and Imperial Valley, California; and 2) Review of state-wide Vegetable Extension Program. University of Hawaii at Manoa. Jan. 8, 1993.

Television Program Producer. TeleConference for Commercial Vegetable Growers. 3 half hour programs on 1) Sweetpotato whitefly management; 2) Diamondback moth Management and 3) Recommendations for Marketing Fresh Produce in Hawaii. 17, 20 and 27 April, 1993.

Workshop for Control of Diamondback moth in Cabbage, May 13, 22 and 27, 1993, Kamuela CES, Hawaii. Two one hour lectures and one three hour field laboratory program. Presented by Dr. Ron Mau. Attendance= 21 growers per lecture and for the field day.

Fourth Annual State-Wide Workshop for University of Hawaii Vegetable County Extension Agents: Review of State-wide Vegetable Extension Program, University of Hawaii at Manoa, April 14, 1994.

Second Annual TeleConference for Commercial Vegetable Growers, 4 1-hour presentations through interactive Satellite programming: 1) Alternative Virus and Nematode Management Practices; 2) Alternative Pest Control Practices for Vegetable Crops; 3) Using Cover crops and no-till for weed control in Vegetable Crops; 4) Fertilizer Recommendations for Vegetable Crops, Oct. 12, 19 & Nov. 13, 23-1994.

State-wide CES Strategic Planning on Sustainable Agriculture for Hawaii: two-day session. Ala Moana Hotel, 15-16 Dec. 1994.

Sustainable Agriculture Train-the-Trainer Workshops. Three 5-day workshops involving 17 extension and Natural Resource Conservation Service agents from Univ. Hawaii, and extension agents from the Pacific Region, First session: June 26-29 in Kahului Maui; July 23-28 in Honolulu; and August 28-31, 1995 in Kona, Hawaii.

Fifth Annual Sustainable Agriculture World Sustainable Agriculture Conference, November 10-11, 1995, Honolulu, Hawaii.

Asparagus Production Workshops. Held in Volcano, Kamuela, Kula, and Pearl City. March 13-15, 1996.

Fifth Annual State-Wide Workshop for University of Hawaii Vegetable County Extension Agents: Review of State-wide CTAHR Research and Extension Programs, UHM, Honolulu, June 20, 1996.

Sixth Annual State-Wide Workshop for University of Hawaii Vegetable County Extension Agents: Development of 5-year plan of work for the CTAHR Vegetable Extension Program, UHM, Honolulu, Jan. 30-31, 1997.

Oahu Vegetable Marketing Conference, March 28-29, 1997, Co-organizer.

Poamoho Experiment Station, UH sweet corn field day, April 23, 1997.

Sweet onion variety trial field day, UH Kula Ag Park, to demonstrate the 16 varieties being grown in two locations, 4 reps per location. Showing the varieties, 4 reps per variety per location. About 40 attendants, including 25 growers representing over 80% of sweet onion acreage in Kula, May 8, 1997.

Sweet onion variety trial field day, UH Pulehu Substation, to demonstrate the 15 varieties grown in two locations, 4 reps per location. About 30 attendants to the field day which also included a taste-panel, June 12, 1997.

Organic Farming Workshop. Two-day on-hands training workshop on techniques for organic farming to 15 university students from Nagoya, Hokkaido, as part of a World Sustainable Ag Assoc. visit to the Waimanalo Station UH Organic Farming Plots. Aug. 6, 1997.

Field day on Long-Term Nature Farming Research and Demonstration Plots,. Attendants were about 15 Agricultural/Biological engineers from universities, government and industry in Japan, including Tsukuba University. Waimanalo Station, Field Day, Oct. 1, 1997.

Pau Hana bean and basil variety field day at the Waimanalo Experiment Station. Attended by about 40 people, Oct. 30, 1998

Cucumber field day at Poamoho Experiment Station. Attended by about 40 people. Nov. 25, 1999

Workshop on Organic Farming, Nutrient Management, Pest Control, Certification, and Resources Available. Attended by Sust. Ag leaders from the state, about 40 attendants. Coorganized with Dick Bowen, Feb. 12, 1999

Field day at the MOA Waimanalo Nature Farming plots, Sust. Ag leaders (extension agents, Soil Conservation specialists, specialists, and industry reps) from Hawaii, as part of the Organic Farming Workshop. About 25 attendants. Feb. 13, 1999.

Leafy crop (lettuces, brassicas) field day held at the UH Poamoho Experiment Station, About 20 people, March 12, 1999.

Vegetable Seed Technology Workshop (in Spanish). A 2-day workshop given to 70 extensionists and agricultural technicians representing the major vegetable production regions in Nicaragua. Universidad Agraria de Nicaragua, Managua and APPENN/INTA stations in Sébaco, Nicaragua, April 26-27, 1999.

Specialty Tomato Field day. Evaluation of over 60 specialty tomato varieties. UH Poamoho Research Station. Aug. 19, 1999.

Specialty Round eggplant Field Day. Evaluation of over 30 specialty eggplant varieties. UH Waimanalo Research Station. Sept. 10, 1999.

Organic Farming Field Day. Waimanalo Experiment Station. Jan. 13, 2000.

Specialty Round Eggplant and Jicama organic amendment experiment Field Day. UH Waimanalo Research Station. March 3, 2000.

Evaluation of cover crops under an organic farming rotational experiment. Field Day, part of Cover Crops SARE workshop, Waimanalo Experiment Station, Oct. 6, 2000.

Chili Pepper Extravaganza. A vertical tasting event of different chili pepper types, wine-tasting, and cooking demonstration. In cooperation with chef Shawn Smith, Halekulani Hotel, Honolulu, HI. Aug. 10, 2001.

Waimanalo Experiment Station Vegetable Field Day, Invited Presentation as part of the Field Day Tour for the Papaya Growers Association Conference, Waimanalo, Sept. 20, 2002. About 30 participants.

Poamoho Experiment Station Vegetable Field Day, Specialty watermelons, and slicing/Japanese cucumber variety trials, organic fertilizer ginger experiment.. Oct. 17, 2003. About 10 participants.

Waimanalo Station Field Day, Horticultural Research at the Waimanalo Experiment Station, display of sweet corn, taro, chili pepper, and organic farming research at Waimanalo, to over 200 Farm Bureau representatives. Jan. 11, 2004.

Organic Farming Pest Control Workshop. One- and a half day workshop given to farmers, and agriculture professionals. Waianae Comprehensive Health Center, Oahu, June 12 & 13, 2004. About 20 participants. Co-sponsored by the Hawaii Organic Farmers Association and Hawaii Department of Agriculture.

Organic Farming Pest Control Workshop. One- and a half day workshop given to farmers, and agriculture professionals. Waimea, Big Island, June 26 & 27th, 2004. About 35 participants. . Co-sponsored by the Hawaii Organic Farmers Association and Hawaii Department of Agriculture.

Organic Farming Pest Control Workshop. One- and a half day workshop given to farmers, and agriculture professionals. Kauai, July 10 & 11, 2004. About 30 participants. . Co-sponsored by the Hawaii Organic Farmers Association and Hawaii Department of Agriculture.

Organic Farming Pest Control Workshop. One and a half day workshop given to growers, entrepreneurs, extension agents and ag professionals. American Samoa. Aug. 24-25th, 2004. About 55 participants.

Organic Vegetable Production and marketing Workshop. One-day workshop given to growers, entrepreneurs, extension agents and ag professionals. American Samoa. Aug. 26, 2004. About 40 participants.

Maui Bell Pepper Variety Trial Field Day. Kula, Maui, led by Robin Shimabuku. Nov. 5, 2005. About 20 participants.

Vegetable Crops Production Workshop. Gave a two-day workshop for extension agents (supervisors) and field technicians in the Zambezia province of Mozambique. Morumbala, Mozambique. June 8 and 9, 2006. About 50 participants.

Specialty Tomato Field Day. UH Poamoho Experiment Station. July 7, 2006. About 40 participants, representing over 90% of the acreage for fresh market tomatoes in Hawaii. Participants included two extension agents, Associate Deans for Research and for Extension, and a CTAHR camera crew to video tape and advertise the results of our work. Farmers that visited the field trials represented over 90% of the tomato acreage in the state.

Organic Farming Workshop. Organized a two-day workshop for new farmers, transitional farmers and staff from sister agencies. Windward Community College, Oahu. Sept. 7&8, 2006. About 50 participants.

Field Day, MAO Organic & Student Farm, Waianae, Oahu. Sept. 8, 2006. As part of the two-day organic farming Workshop held in Oahu. About 40 participants.

Field Day, alternative controls for the pickleworm in honeydew melons and cucurbit crops. UH Kula Ag Park. Sept. 29, 2006. Led by CES Extension Agent, Robin Shimabuku.

Organic Farming Workshop. Organized a two-day workshop for new farmers, transitional farmers and staff from sister agencies. Maui Community College, Maui. Nov. 16 & 17th, 2006. About 55 participants.

Organic Farming Field. Visit Gerry Ross' Organic Farm in Kula, Maui, as part of the two day organic farming workshop held in Maui. Nov. 17, 2006, about 30 participants.

Organic Farming Workshop. Organized a two-day workshop for new farmers, transitional farmers and staff from sister agencies. Kona, Hawaii. Nov 30-Dec. 1, 2006. About 55 participants.

Organic Farming Field Day, visit two organic farms in Kona (vegetables, and orchards) as part of the two day organic farming workshop held in Kona, Hawaii, Dec. 1, 2006. About 50 participants.

Organic Farming Workshop. Organized a two-day workshop for new farmers, transitional farmers and staff from sister agencies. Molokai, Hawaii. Jan. 11-12, 2007. About 35 participants.

Organic Farming Field Day, visit two organic farms in Molokai (vegetables, and papaya) as part of the two day organic farming workshop held in Molokai, Hawaii, Jan. 12, 2007. About 30 participants.

Organic Farming Workshop. Organized a two-day workshop for new farmers, transitional farmers and staff from sister agencies. Kauai Community College, Hawaii. Jan. 18-19, 2007. About 55 participants.

Organic Farming Field Day, visit of two organic farms in Kauai (vegetables and orchards) as part of the two day organic farming workshop held in Kauai, Hawaii, Jan. 19, 2007. About 30 participants.

Sweet Onion Variety Trial Field Day. Kula Ag Park Research Substation, May 30, 2007. Kula Maui. About 10 participants.

Tomato Field Day. UH Poamoho Experiment Station. June 22, 2007. About 20 participants (including two extension agents, county administrator, three faculty colleagues, and about 15 clients).

Organic Sweet corn compost and irrigation study, and tomato variety trials. In cooperation with Dr. Ali-Fares and Ted Radovich. UH Waimanalo Experiment Station. Part of CTAHR Centennial Field day. Attendance, 200 people. Sept. 22, 2007.

Tomato Varieties for Hawaii. Lectures by Jeff Sais (Seminis Seed) and from CTAHR Extension with updates on varieties and pest management. UH Pearl City Urban Garden. Nov. 15, 2007.

CTAHR Vegetable CES Team statewide meeting. Meeting of extension agents and specialists to establish state-wide programmatic activities. Nov. 15, 2007.

Professional Training/Improvement

Diagnosis in Farming Systems Research and Extension. Faculty Workshop. Washington State University. April 17-18, 1986.

Attended 11 Annual Meetings of the American Society for Horticultural Sciences: Orlando, Florida (1987); Tulsa, Oklahoma (1989); Penn State (1991); Honolulu, Hawaii (1992); Corvallis, Oregon (1994), Montreal (1995), Charlotte, NC (1998), Minneapolis, MN (1999), Orlando (2000), Sacramento (2001), and Las Vegas (2005).

Tour of Central Pennsylvania Vegetable Industry. ASHS tour, July 19-20, 1991.

ASHS Drip Irrigation Workshop. Pennsylvania State University. July 25, 1991.

California Agriculture Show and International Exposition, Tulare, California; Feb. 11-12, 1992, over 1000 booths displaying agricultural machinery.

Organic and Sustainable Agriculture Policies Conference, Bethesda, Washington; February 13-16, 1992.

Second International Symposium on Specialty Vegetable Crops in Miami Florida, with tour of Palm Beach and Dade County Vegetable Farms; March 13-19, 1992.

Two-day Leadership Workshop on Training in Facilitation in Kauai, Hawaii; April 10-11, 1992.

Second National Symposium of Stand Establishment on Vegetable Crops. Ft. Myers, Florida, Nov. 16-20, 1992.

Twenty day tour to visit sweetpotato and vegetable farms and research/extension personnel in Georgia; North and South Carolina; Dade County and Collier Counties, Florida; Imperial Valley, California; and Yuma Valley, Arizona, Nov. 3-24, 1992.

Tour of commercial Organic Farms and of Experimental Stations in several sites of Japan. June 1993; August 1994, Dec. 1996, and June 1998.

24th International Horticulture Congress, Kyoto, Japan 21-27 Aug. 1994.

Tomato Greenhouse Workshop. Two day workshop as part of the Annual Meeting of the American Society for Horticultural Sciences, Montreal, Canada, August 3-4, 1995.

Tour of North and South Carolina Vegetable Production Areas, ASHS Tour July 16-17, 1998.

Organic farming of vegetable crops in the Tropics, International Workshop. Antigua, Guatemala May 18-21, 1999. Received certificate of participation.

Western Region Logic II Train-the-Trainer Workshop (Project Impact and Evaluation Methodologies), Boise, Idaho, May 1-3, 2001.

Two-day farm tour of commercial vegetable farms, half-day tour of Seminis Seed Company, and one-day tour of organic farms in the Sacramento Valley. July 20-26, 2001.

Fruit Fly Management two-day Workshop, Kula Maui. Oct. 7-8, 2002.

Organic Standards Inspector Training, Sept. 30-Oct. 3, 2004, Training provided by International Organic Inspectors Association (IOIA) and Hawaii Organic Farm Association (HOFA), Kalopa Park, Hawaii Island.

Professional Societies:

American Society for Horticultural Sciences (since 1987).

Florida State Horticultural Society (since 2000).

International Society for Horticultural Science (since 2006).

International Experience:

Long-term residence in 9 locations: Paraguay, Guatemala, El Salvador, Nicaragua, Brazil, Washington State, North Florida, South Florida, and Hawaii.

Short-Term Assignments (**17 international assignments up till end of 2007**): Eastern and South Western U.S. vegetable areas (Nov. 1992), Western Samoa (April 1993), Japan (June 1993, August 1994, Dec. 1996, & June 1998), Guam (August 1993),

Nicaragua (March 1995 and April 1999), Vanuatu (August 1999), Amhara Region of Ethiopia (Jan-Feb. 2000), Alaska (April 2000); Jamaica (May 2002); Costa Rica (July 2003), American Samoa (Aug. 2004), Zambezia Province of Mozambique (May/June 2006), Taiwan (Nov. 2007).

Skills:

- a) Integrated Crop Management (ICM), Agroecology, Organic/Sustainable Farming, IPM.
- b) Intensive commercial vegetable crops production technology in the tropics.
- c) Small Farm Research/Extension Development (FSR/E) Projects
- d) Bilingual in Spanish and English. Fluent in Portuguese
- e) Computers: SAS statistical package, Microsoft Word, Excel, Power Point, & FileMaker Pro Database; Adobe In Design, Photoshop, Acrobat, work in Macintosh and Windows PC computers.

Publications

Extension Crop Commodity Web-sites established for Hawaii and the Pacific Region:

- <http://www2.hawaii.edu/~hector/> (established 1998, 1st UH Extension crop commodity-based website)
- <http://www.ctahr.hawaii.edu/organic> (est. 2005, 1st UH organic farming website in Pacific Region).

Books

- 1 Hollyer, J. et al. 1998. Taro: Mauka to Makai, a production and business guide for Hawaii Growers. Univ. Hawaii Coop. Ext. Serv.
- 2 Hamasaki, R., H.R. Valenzuela, and R. Shimabuku (editors and authors). 1999. Field Onion production in Hawaii. Univ. Hawaii at Manoa, CTAHR Coop. Ext. Service Publication. (co-authored the 6 chapters). ISBN: 1-929325-04-5.

Chapters in books

- 3 Fox, R. and H.R. Valenzuela. 1992. Vegetables grown under tropical and subtropical conditions. pp. 293-338. In: W. Wichmann (ed.) IFA World Fertilizer Use Manual. International Fertilizer Industry Assoc. Germany. UHM Journ. Series No. 4169. <http://www.fertilizer.org/PUBLISH/PUBMAN/manual.htm>.
- 4 McHugh, J. and H.R. Valenzuela. 1996. The Business of production agriculture. pp. 48-51. In: J.R. Hollyer, J.L. Sullivan, and L.J. Cox. (eds.) This Hawaii product went to market: The basics of produce, floral, seafood, livestock, and processed-product businesses in Hawaii. Univ. of Hawaii at Manoa, College of Tropical Agriculture and Human Resources, Honolulu.
- 5 Miyasaka, S.C., T. Tsumura, W.S. Sakai, S. Riede, and H. Valenzuela. 1997. Aluminum and calcium effects on photosynthesis and chlorophyll fluorescence in taro. pp. 905-906. In: T. Ando et. al (eds.) Plant nutrition for sustainable food production and environment. Kluwer Academ. Publ. Tokyo.
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- 332 Valenzuela, H.R. Program Producer and host: Alternative Pest Control Practices for Vegetable Crops, presented by Dr. Kathleen Delate and H. Valenzuela, presented state-wide on HITS closed-cable television, Oct. 19, 1993
- 333 Valenzuela, H.R. Program Producer and host: Using cover crops and no-till practices for weed control in vegetable crops, presented by Dr. Joseph DeFrank, presented state-wide on HITS closed-cable television, Nov. 13, 1993.
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- 356 Valenzuela, H.R. 2005. Philosophical Issues dealing with adoption of crop biotechnology in Hawaii. Invited presentation as part of one-day Forum on Biotechnology. CTAHR- Univ. Hawaii at Manoa. UH-Manoa Campus Center Ballroom, May 25, 2005. Web-cast, Presentation available (2005, 2006) at: <http://www.ctahr.hawaii.edu/gmo/CTAHRForum.htm>.
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- 359 Valenzuela, H.R. 2006. DVD: Pandora's Seed: GMOs in Hawaii Nei. This video includes excerpts of a presentation that I gave as part of a crop biotechnology forum held in Maui in January 2005. The video was shown on Cable TV and at several community meetings state-wide, during 2006.
- 360 Valenzuela, H.R. 2006. Panel Presentation that I gave on crop biotechnology on May 17, 2006 in Kahului, Maui was presented several times in the Maui Akaku Public Television Cable TV Ch 53. Showdates: June 10, 15, 21, 25 and 27th (<http://www.akaku.org/>)
- 361 Valenzuela, H.R. 2007. Introduction to Organic Farming in Hawaii. In: H. Valenzuela, Editor. Proceedings of Organic Farming Workshops, Hawaii. CTAHR Organic Farming web site.
- 362 Valenzuela, H.R. 2007. Certification for Organic Farming In Hawaii. In: H. Valenzuela, Editor. Proceedings of Organic Farming Workshops, Hawaii. CTAHR Organic Farming web site.
- 363 Valenzuela, H.R. 2007. Postharvest Management in Organic Farming. In: H. Valenzuela, Editor. Proceedings of Organic Farming Workshops, Hawaii. CTAHR Organic Farming web site.
- 364 Valenzuela, H.R. 2007. Prospects and Tools for Organic Farming in Hawaii. In: H. Valenzuela, Editor. Proceedings of Organic Farming Workshops, Hawaii. CTAHR Organic Farming web site.
- 365 Valenzuela, H.R. 2007. Aspects on the Chemical Industry. In: Round Up Ready Nation, an Independent, Documentary film by Pamela Drew and Billy Shell of Shellshock Productions. <http://www.roundupreadynation.com/>
- 366 Valenzuela, H.R. 2007. Can Hawaii feed itself: Modern Farming and Sustainable Agriculture. WEB cast from presentation given at the Food Summit Conference, held in Kona, Hawaii, On Oct. 5-6, 2007.
- 367 Valenzuela, H.R. 2007. Genetic Engineering, Industrial Agriculture, and concerns about Food Security. Acrobat pdf file of slide presentation, available on December 6, 2007 at: <http://www.wcc.hawaii.edu/CommonBook/2007-2008/Events.html>
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Media Exposure/Publicity (samples)

- 369 West Hawaii Today, Focus on the Economy, Big Island, Hawai'i Island Economic Development Board, For publication Sunday, February 16, 1997. Announcing my CES publication on field lettuce production in Hawaii.
- 370 Interview on bean production and benefits, in Island Scene Magazine (HMSA), Spilling the beans by Georgette Woo, Posted: November 19, 1997.
- 371 Interview concerning natural pest control alternatives. Pacific Business news, Honolulu. Casting pests from gardens can be achieved naturally by Paul Philpott, Sept. 4, 1998. <http://pacific.bcentral.com/pacific/stories/1998/09/07/focus2.html/>

- 372 My work with insectary plants was quoted on a Journal article describing how to attract and conserve beneficial insects. POLLYANNA LIND, ENCOURAGING LADYBUGS. JOURNAL OF PESTICIDE REFORM (Eugene, Oregon)/ FALL 1998 • VOL.18, NO. 3., pg. 22-23.
- 373 Interview concerning collard production in Waianae. Honolulu Advertiser newspaper, Monday, October 11, 1999, Gardener roots for big collards By Bunky Bakutis
- 374 My jicama experiment was described in an article on the Island Life Section of the local newspaper indicating that I am promoting jicama for small farmers to grow: Joan Clarke (Advertiser Food Editor), Uncommon veggies satisfy the craving for crunch, Honolulu Advertiser, March 15, 2000, pg. D1. See file uncommon veggies HV 3-00.
- 375 My round eggplant experiment was also discussed in an article on the Island Life Section of the local newspaper newspaper indicating that I am identifying promising varieties for small farmers to grow: Joan Clarke, the Honolulu Advertiser, March 22, 2000, pg. D3.
- 376 Farming for a better world, profile of my organic farming project at Waimanalo Experiment Station. [SB 8/25/00], article in Star Bulletin, Aug. 25, 2000. See file: MOA project SB 8-00.
- 377 Tomato varieties in Hawaii. Stephanie Kendrick. Hnl Star Bulletin, Sept. 1, 2000. See file tomatoes in HI SB 00.
- 378 Chili peppers could be next hot crop. By Mike Leidemann. Honolulu Advertiser, June 19, 2001. Header in pg. A-1 and main article on pg. F-1 (Island Life Section). Showing our top yielding varieties and indicating potential for small farmers to diversify. Describe our chili pepper variety trials in Poamoho and Waimanalo stations. See file: chili peppers HI- HV 01.
- 379 Chili pepper Extravaganza event on Helekulani Hotel, Aug. 10, 2001, was announced in several media (newspapers, television) in Honolulu, prior to the event. Eg. Chanel 8 morning news on Aug. 8, Mid-Week Newspaper Aug. 8-14, 2001, Hnl Advertiser, and Hnl Star Bulletin, Aug. 8, 2001 (Culinary Calendar) total of 5 media exposures. See file: chili pepper HV media 01.
- 380 Chili peppers, interview. Television Channel 8 (NBC). Early morning news with Gyle Galdera and Guy Hagi, Aug. 8, 2001.
- 381 Joan Namkoong. 2001. Chili in August: A month for your mouth. Hnl. Advertiser, Aug. 1, 2001.
- 382 Hnl. Star Bulletin. Mauka to Makai: Halekuani. Aug. 5, 2001. Halekulani chili pepper event announcement.
- 383 CTAHR Web site. 2003. Publication: CTAHR in Action: Agricultural biotechnology: CTAHR Addresses a contentious topic. My research/education program in sustainable/organic agriculture was featured as a dissenting voice in the college which opposes the use of biotechnology techniques as the sole source of solutions for agricultural problems in Hawaii. http://www.ctahr.hawaii.edu/ctahr2001/CTAHRInAction/Jun_03/biotech.asp.
- 384 CTAHR calendar. My research was profiled on the CTAHR annual calendars for 2002 (onion cultivar trials, picture from Maui), and June 2003 (eggplant variety trials, picture and text describing my work in Integrated systems/sustainable agriculture).
- 385 CTAHR Extension Flier. My research was profiled on the 2003 CTAHR Extension brochure to publicize the range of extension activities conducted by CTAHR.
- 386 The local media reported the agreement between Earth University in Costa Rica and Univ. Hawaii at Manoa that I established in 2003. This agreement was published/announced in the UH Website on Nov. 12, 2003 (<http://www.hawaii.edu/cgi-bin/uhnews?20031109184023>). The event was also reported in the Maui News, UH student newspaper (Stanley Lee, UH Tags Earth in sustaining of environment, Ka;aleo Nov. 12, 2003); Honolulu Advertiser and Honolulu Star Bulletin.
- 387 Concerning natural plant pest control qualities, HAWAII'S ENVIRONMENT Plants' anti-pest qualities debatable, article by Jan TenBruggencate on Honolulu Advertiser, March 22, 2004.
- 388 Reference to information on organic pest management and organic workshops that I gave on several islands. Article by Heide Bornhorst, Learn Safe Pest Management, Honolulu Advertiser, June 11, 2004. <http://the.honoluluadvertiser.com/article/2004/Jun/11/il/il06a.html>. Other announcements made in the local media included: Virginia Easton-Smith, West Hawaii News, June 20, 2004; Kauai Garden Isle, June 27, 2004; Hawaii Island Journal (Big Island); HOFA Newsletter; and the CTAHR College Calendar.
- 389 Local media in American Samoa reported on the organic farming/marketing and organic pest control workshops that I gave there from Aug. 20-27, 2004. Examples included: Laura Laumantia, ASCC Land Grant to conduct Farming and Pest workshops, Samoa News Daily Newspaper, Aug. 23, 2004; TV interview that appeared on the evening news (KVZK-TV Channel 4, TV News, 6 & 10 PM, Aug. 23, 2004), and local advertisements that appeared on the Samoa News Daily Newspaper, Aug. 21, 23 & 24th.
- 390 GMO papaya contamination found in Hawaii. I gave a presentation as part of a press-release to announce the results of a study showing widespread gmo papaya contamination in Hawaii. Parts of my presentation and follow-up interviews were published in several media outlets including the UH Student Newspaper Kaleo (Sept. 20, 2004, pg. 1), the UH Hilo Student Newspaper, Ke Kalahea (Sept. 15, 2004, pg. 1), and national biotech web sites (http://www.checkbiotech.org/blocks/dsp_document.cfm?doc_id=8672) retrieved Jan. 10, 2007.
- 391 My presentation on "Engineered Foods" given at Windward Community College as part of Windward Community College's Common Book program was publicized in the local media, such as in the Honolulu Advertiser (Hnl. Adv. Special Events, Oct. 24, 2004 and Hnl. Adv. Hawaii's Briefs, Oct. 13, 2004).

- 392 I was asked to comment on recent ag statistics and total volume of ag production in Hawaii in terms of what it meant for the overall ag picture in the state. (Lesa Griffith, On The Farm, Honolulu Weekly, Dec. 12, 2004).
- 393 Quotes from a presentation I gave to the Hawaii legislature on the potential risks of crop biotechnology in Hawaii were published in the Honolulu Advertiser on Jan. 25, 2005. (Vicki Viotti, Lawmakers likely to look at genetic altering of crops. Hnl. Advertiser. January 25, 2005).
- 394 My presentations on organic farming research presented at the national meetings of the American Society for Horticultural Science were featured and publicized in a National agricultural Magazine devoted to sustainable agriculture (Laura Sayre, Horticulture meetings feature record number of organic presentations. The New Farm. Sept. 1, 2005).
- 395 Article on Honolulu Advertising announcing the launching of the CTAHR organic web site that I helped to put together. (Jan TenBruggencate, Organics Web site launched. Hnl. Advertiser. Oct. 17, 2005).
- 396 My letter to the editor to the Maui News from Jan. 11, 2006 resulted in two letters to the editor responding to my initial letter (Maui News Jan. 11, Jan. 25).
- 397 My commentary on the risks of crop biotechnology published in the Honolulu Advertiser on Jan. 22, 2006, resulted in 10 letters of the editor discussing the pros and cons of the field testing of genetic engineered crops in Hawaii (Honolulu Advertiser, Jan. 25, 26, 28, 29, 30, 31, and Feb. 1, 7, 9, 16).
- 398 Interviewed by reporter Watt McGrath on genetically modified organisms in Hawaii, for the BBC World Service Radio, at UH Waimanalo Research Station. May 2, 2006, for broadcast on May 4, 2006.
- 399 Our commentary with Lorrin Pang in the Maui News (Sept. 26, 2006) dealing with an open-discussion on crop biotechnology, censorship, and academic freedom was followed by 10 letters to the editor in the Maui News. The editorial was also featured in the Ward Churchill Web site on Academic freedom (<http://wardchurchill.net/blog/contact-us/hector-valenzuela/>).
- 400 The two-day organic workshop that I organized in Kona on the Big Island on Nov. 30-Dec 1 was featured in an article on the West Hawaii Newspaper on the day following the workshop. (Carolyn Lucas. Local growers try to cultivate interest in organic farming. West Hawaii Today. December 2, 2006.)
- 401 Video Interview by an independent reporter from Germany for a program on crop biotechnology to be broadcasted by a Public Television Station in Germany (www.fernsebuero.de). Waimanalo Experiment Station, January 16, 2007.
- 402 The two-day organic workshop that I organized in Molokai on January 12-13, 2007 was featured in an article on the local media (Allison Devereaux. Workshops offer advice for Molokai organic farmers. Molokai Times. Jan. 20, 2007).
- 403 Joan Conrow. Food for thought: UH vegetable crop extension specialist discusses self-sufficiency. Honolulu Weekly. April 18, 2007. In this article Conrow provides my perspective on achieving sustainability in Hawaii, based on a long interview with her.
- 404 Honolulu Advertiser. Was interviewed by Sean Hao about crop biotechnology and the gmo program in CTAHR. (Sean Hao. Genetically modified crops rooted in funding. Honolulu Advertiser. April 30, 2007, pg. A1.)
- 405 Ka'Ohana Newspaper, Windward Community College. An Uncommon Book by Jonathan Oshiro (Ka 'AeOhana Staff Reporter). Sept. 2007. Indicates that I will be giving a lecture on genetically modified crops, industrial agriculture and food security in the state as part of this Common Book Series at WCC. http://kaohana.windward.hawaii.edu/print_story.php?aID=31.
- 406 Science Magazine. Oct. 5, 2007. Scope. Quoted me concerning the establishment of a UARC-Navy affiliated research center at the University of Hawaii. See file: [UARC HV quote Sci 07.pdf](#).
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