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Section IV A. Communication

Objective: Improve communication to strengthen partnerships with the agriculture industry and the Hawai‘i Island community.

Action	R&D Ag Prog Activity	Leader	Partners	Start Date	Accomplishments
1. Hawai‘i Island Agricultural Web site: Revise, update, expand and keep current the R&D Agriculture Program Web site as an information repository.	Web site	R&D Ag Program	HCRC, UHM-CTAHR, UHH-CAFNRM, Agriculture Industry	In progress, ongoing	
2. Agriculture Organization List: Update and keep current a master commodity and agricultural organization list with current contact information and links and post it on the Hawai‘i Island Agricultural Web site.	Web site	R&D Ag Program	HCRC, UHM-CTAHR/CES, Agriculture Industry	In progress, ongoing	
3. Media Partnerships: Enhance the dissemination of information about R&D's Ag Program.	Public Relations	R&D Ag Program	County Communications Director, HCRC	When contracts awarded, projects and annual reports completed.	

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Section IV B. Economic Sustainability

Objective: Increase profitability of Hawai‘i Island's agricultural businesses.

Action	R&D Ag Prog Activity	Leader	Partners	Start Date	Accomplishments
1. Sales to County, State, and U.S. federal agencies: Lead by example: Convene a working group to meet with Hawai‘i County and Hawai‘i Department of Education food purchasing agent(s) to facilitate the sale of Hawai‘i Island grown agricultural products for the	Working Group	R&D Ag Program	HDOE, HDOA, Farm Bureau, Agriculture Industry	Within six months	
2 a. Labor: Revise the method used to calculate the federal H2A prevailing wage rate.	Support	Farm Bureau and Agriculture Industry	R&D Ag Program, HDOA, and Congressional Delegates	As requested	
2 b. Labor: Post links on Hawai‘i Island Agriculture Web site of farm intern programs, volunteer programs, and contract labor providers.	Web site	R&D Ag Program	HCRC, Farm Bureau, Program Coordinators	2010	
3 a. Production of Fertilizer and Feed: Realize the potential of County green waste conversion to compost for farming and gardening.	Advocacy	County Department of Environmental Management	R&D Ag Program, UHM-CTAHR, UHH-CAFNRM	As soon as time allows	
3 b. Production of Fertilizer and Feed: Investigate the potential for using excess non-firm electricity to manufacture nitrogen for fertilizer.	Support	Entrepreneurs	R&D Ag Program, UHM-CTAHR, UHH-CAFNRM, The Kohala Center, Private Enterprises	As requested	
4. Harvesting & Processing Techniques: Financially support research projects to develop small scale technology systems for cultivation, harvesting, and processing.	Agricultural Program Funding	Research Project Leaders	R&D Ag Program, UHM-CTAHR, UHH-CAFNRM, PBARC, ADC	Annually	
5 a. Real Property Tax Incentives: Convene a working group to develop additional real property tax incentives for commercial agriculture operations and community gardens including adherence to HRS 205-46 IAL, make recommendations to the County of Hawai‘i Department of Finance Real Property Tax Division (Property Tax Division) and advocate for their acceptance.	Working Group	R&D Ag Program	Property Tax Division, Farm Bureau, Agriculture Industry, Landowners	2010	

Section V B. Economic Sustainability

Objective: Increase profitability of Hawai‘i Island's agricultural businesses.

Action	R&D Ag Prog Activity	Leader	Partners	Start Date	Outcomes
5 b. Real Property Tax Incentives: Post a link on the Hawaii Island Agriculture Website to the agriculture dedication program of the Property Tax Division.	Web site	R&D Ag Program	HCRC, Property Tax Division	2010	
6. Financial Resources: Post links on the Hawai‘i Island Agriculture Web site to sources of financial assistance for farmers and ranchers including grants, and loans for projects, promotions, start-up capital and operations as well as a list of sources that can assist with the application and business planning process involved.	Web site	R&D Ag Program	HCRC, USDA-Rural Development, WSARE, UHM-CTAHR, HDOA, Farm Credit Services of Hawaii	As soon as time allows	
7 a. Agricultural Tourism: Establish a Special Use permiting process for small scale agriculture operations.	Advocacy	County Department of Planning	R&D Ag Program, UHM-CTAHR, UHH-CAFNRM, The Kohala Center, Private Enterprises	2010	
7 b. Agricultural Tourism: Seek variances for older structures that had no permit requirement when they were erected so that they can be permitted for Special Use.	Advocacy	County Department of Planning	R&D Ag Program, UHM-CTAHR, UHH-CAFNRM, The Kohala Center, Private Enterprises	2010	

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Section IV C. Food Self Reliance

Objective: Increase the local production of food consumed on Hawai‘i Island by growing crops and marketing commercial crops to substitute those being imported and encouraging consumers to grow their own produce.

Action	R&D Ag Prog Activity	Leader	Partners	Start Date	Accomplishements
1. Baseline Study for Increased Food Self-Sufficiency: Explore funding sources (e.g., WSARE OR USDA Rural Development) and partners to prepare a baseline study to determine the current inventory and future need of resources as they relate to increased food production including land, water, labor, energy, materials and supplies. The data will be analyzed and presented to County, State and U.S. federal agencies and elected officials to address existing laws, rules and economic incentives needed to increase food self-sufficiency.	Agricultural Program Funding	R&D Ag Program	HDOA, UHM-CTAHR, UHH-CAFNRM, The Kohala Center, Agriculture Industry	Within six months	
2. Emergency Food Sourcing and Distribution: Review, analyze and revise as needed existing plans for sourcing and distributing food on Hawaii Island in an emergency situation.	Advocacy	County Civil Defense	R&D Ag Program, FEMA, U.S. Homeland Security, HVB, HIEDB, HDOA, HDOH, Agriculture Industry, The Kohala Center, Hawaii Red Cross	2010	
3. Import Situation: Encourage and support new and existing farmers to produce crops to replace those currently being imported by disseminating information on the Hawai‘i Island Agricultural Web site with links to statistical data and cultivation information for crops that can be grown for import substitution.	Web site	R&D Ag Program	HCRC, County R&D GIS Program, HASS, UHM-CTAHR	In progress, ongoing	
4 a. Home and Community Food Production: Encourage consumers to produce some of their own food with educational programs for home gardeners and dissemination of information on the Hawai‘i Island Agricultural Web site.	Agricultural Funding Program	Public, Private and Nonprofit Educational Organizations	R&D Ag Program, HCRC, The Kohala Center, UHM-CTAHR	In progress, ongoing	
4 b. Home and Community Food Production: Advocate for the development of community gardens and include a list of these gardens on the Hawai‘i Island Agriculture Web site.	Advocacy	Communities	HCRC, R&D Ag Program, The Kohala Center	As initiated by communities	
4 c. Home and Community Food Production: Review regulatory impediments to home food production.	Advocacy	R&D Ag Program	HCRC, R&D Ag Program, The Kohala Center	2010	

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Section IV D. Marketing and Promotion

Objective: Increase awareness and sales of Hawai‘i Island's crops and value added products for local consumption and export.

Action	R&D Ag Prog Activity	Leader	Partners	Start Date	Accomplishments
1 a. Farmer/Livestock Producer and Grocer Relations: Coordinate and facilitate meetings between farmers and grocers in East and West Hawai‘i to identify ways to improve retail labeling and increase promotion of local agriculture products.	Advocacy	Farm Bureau	R&D Ag Program, Hawai‘i Island grocers, Agriculture Industry	As initiated by industry	
1 b. Farmer/Livestock Producer and Grocer Relations: Support Farmer/Retailer workshops modeled after the Farmer/Chef workshops to share information and to enhance the farmers' and vendors' understanding of each others' challenges and constraints. Training and information can be presented on Buy Fresh/Buy Local, Seal of Quality, product branding and other promotional tools.	Agricultural Program Funding	Farm Bureau	R&D Ag Program, Hawai‘i Island grocers, HDOA, UHM-CTAHR	As initiated by industry	
2. Farmers' Markets: Encourage development and growth of farmers' markets by posting a link to HDOA's list of Hawai‘i Island farmers' markets on the Hawaii Island Agriculture Website.	Web site	R&D Ag Program	HCRC, HDOA, and Hawai‘i Island Farmers Markets	In progress, ongoing	
3. Promotion Programs: Continue to support agriculture industry promotional programs, food, and trade show participation.	Agricultural Program Funding	Agriculture Industry	R&D Ag Program	Ongoing	
4. Buy Fresh, Buy Local Campaign: Continue funding and participation in the HDOA's *Buy Fresh, Buy Local* campaign and encourage Hawai‘i Island farmer and commodity group participation. A line item shall be established within the County R&D agriculture program budget in an amount not less than $26,000 for Buy Fresh, Buy Local annually.	Agricultural Program Funding	R&D Ag Program	HDOA, Agriculture Industry	Ongoing	
5. Seal of Quality: Encourage producers to participate in the HDOA Seal of Quality program and post links to the program on the Hawai‘i Island Agricultural Web site.	Advocacy/Website	R&D Ag Program	HDOA, Agriculture Industry	Ongoing	

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Section IV E. Education

Objective: Increase agricultural education on Hawai‘i Island.

Action	R&D Ag Prog Activity	Leader	Partners	Start Date	Accomplishments
1. Kindergarten through High School: Encourage educational and agricultural entities to work with the Hawai‘i Island school system to promote agriculture as a career.	Support	Agriculture Industry, HCC, UHM-CTAHR, UHH-CAFNRM, The Kohala Center	R&D Ag Program	As requested	
2. Industry Education: Continue support for community education programs and commodity conferences.	Agricultural Funding Program	Agriculture Industry, The Kohala Center	R&D Ag Program	Ongoing	
3. Consumer Education: Continue and expand Hawai‘i Department of Health and private programs to educate the consumer in basic nutrition, and on the value of using locally grown crops and how to prepare them.	Support	HDOH, HMSA, Kaiser Permanente and others	R&D Ag Program	As requested	
4. Education for County Personnel: Develop an educational program for County elected and appointed officials and civil servants about the potential and importance of agriculture in Hawai‘i County so they can assist the industry to become a predominant economic driver.	Advocacy	R&D Ag Program	HCRC, All County Departments, County Planning and Water Commissions	Ongoing	

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Section IV F. Land

Objective: Secure affordable land with long-term tenure for farming and ranching, and simplify permitting for farm worker housing.

Action	R&D Ag Prog Activity	Leader	Partners	Start Date	Accomplishments
1 a. Designation of Important Agricultural Lands (IAL): Secure funding to implement the identification of mapping of IAL.	Advocacy	County of Hawai‘i Planning Department	R&D Ag Program, HDOA, Hawaii Office of Planning, WSARE, American Farmland Trust, Congressional Delegation, County Council, Mayor's office.	2010	
1 b. Designation of Important Agricultural Lands (IAL): Identify and map IAL according to the process defined in the IAL statute HRS 205-47.	Advocacy	County of Hawai‘i Planning Department	R&D Ag Program, HLPC, HIEDB, Farm Bureau, Agriculture Industry, Private Land Owners, HDLNR, HDOA	Upon receipt of funding	
1 c. Designation of Important Agricultural Lands (IAL): Disseminate information on the incentives for the designation of IAL to the landowners, farmers, ranchers, and the public.	Advocacy/Web site	Farm Bureau	R&D Ag Program, HCRC, HDOA, County Planning Department, UHM-CTAHR, Island Media	As soon as time allows	
2. Agricultural Leases: Coordinate with agricultural industry organizations to secure affordable, long-term agricultural leases.	Support	Farm Bureau	R&D Ag Program, HDOA, HDLNR, ADC, Private Landowners	As initiated by industry	
3. Agricultural Park Listings: Post links to HDOA and HDLNR Agricultural Park information.	Web site	R&D Ag Program	HCRC, HDOA, HDLNR	2010	
4. Agricultural Worker Housing: Form a Working Group to review all U.S. federal, State, and County laws and regulations that affect agriculture worker housing on Hawai‘i Island and formulate recommendations that will facilitate the development of agriculture worker housing. These recommendation shall be forwarded to the County Planning Department, County Council and County Planning Commissions for review and action.	Working Group	R&D Ag Program	Agriculture Industry, County Planning Department, County Building Department, County Council Planning Committee	2010	
5. Grubbing and Grading Ordinances: Revise the County's grubbing and grading ordinances as they pertain to agriculture especially oversight and inspection permits.	Advocacy	Farm Bureau	R&D Ag Program, County Department of Public Works, County Council, CDP Action Committees, Hawai‘i Island SWCD's	As initiated by County Council or Public Works	

Section V F. Land

Objective: Secure affordable land with long-term tenure for farming and ranching, and simplify permitting for farm worker housing.

Action	R&D Ag Prog Activity	Leader	Partners	Timeline	Outcomes
6. Land Buffers: Support efforts by the industry to require that buffers between existing agricultural lands and proposed rural or urban development shall be the responsibility of the land developer.	Support	Farm Bureau	R&D Ag Program, County Planning Department, County Council Planning Committee, County Planning Commissions, County Council	As initiated by industry	

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Section IV G. Water

Objective: Provide adequate and affordable agricultural water for farmers and livestock producers.

Action	R&D Ag Prog Activity	Leader	Partners	Start Date	Accomplishments
1 a. Department of Water Supply (DWS): Include agricultural water in County water system expansion plans.	Support	Farm Bureau	R&D Ag Program, DWS, County Charter Commission, Agriculture Industry	As initiated by industry	
1 b. Department of Water Supply (DWS): Monitor DWS to insure the continuation of preferential agricultural water rates.	Support	Farm Bureau	R&D Ag Program, DWS, Agriculture Industry	Ongoing	
2. Agricultural Water Systems: Continue to support and serve as an information resource for new and existing agricultural water development on Hawai‘i Island.	Support	R&D Ag Program	HDOA, Private Water System Owners, ADC, HDLNR	Ongoing	

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Section IV H. Energy

Objective: Reduce the cost of energy and fuel for agricultural producers.

Action	R&D Ag Prog Activity	Leader	Partners	Start Date	Accomplishments
1. Incentives for Installation of Alternative Energy: Post links on the Hawai‘i Island Agricultural Web site to U.S. federal, State, and local programs that offer incentives and assistance for the agriculture industry to transition to alternative energy systems and keep these links updated as new opportunities emerge.	Web site	R&D Ag Program	County R&D Energy Program, HCRC, USDA Rural Development, DBEDT, HELCO	2010	
2. Private Agricultural Parks: Educate and encourage Hawai‘i Island Farmers and ranchers to participate in the activities allowed under 2009 Act 122 for private agricultural parks energy production and transfer.	Advocacy/Web site	Farm Bureau	R&D Ag Program, HCRC, County R&D Energy Program, HDOA, The Kohala Center, Farm Bureau, Agriculture Industry	2010	
3 a. Biofuel Energy Production: Support research to develop small scale, efficient, on-farm systems for biofuel production and processing.	Support/Agriculture Program Funding	Research Project Leaders	R&D Ag Program, UHM-CTAHR, UHH-CAFNRM, PBARC, HARC, R&D Energy Program, Other Research Organizations, Agriculture Industry	As requested	
3 b. Biofuel Energy Production: Develop large scale biofuel projects that will supply renewable transportation fuels and power for Hawai‘i Island in ways that are community-supported, sustainable, ecologically sound, and complementary to food production.	Support	Private Industry	R&D Ag Program, R&D Energy Program	2010	
4. Conservation: Post links on the Hawai‘i Island Agricultural Web site to resources for energy audits and energy efficiency topics that will be updated as new technologies or programs become available.	Web site	R&D Ag Program	HCRC, R&D Energy Program, HELCO	As soon as time allows	

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Section IV I. Transportation

Objective: Improve all forms of transportation and its infrastructure for the movement of agriculture products.

Action	R&D Ag Prog Activity	Leader	Partners	Start Date	Accomplishments
1 a. Agricultural Shipping: Convene a Working Group with harbor and airline management and agricultural shippers to determine the most effective method to improve handling at the point of shipment of perishable products and livestock.	Working Group	R&D Ag Program	Agriculture Industry, Packers and Shippers, Young Brothers, Matson, Airlines	2010	
1 b. Agricultural Shippers: Monitor that the improvements agreed on in the meetings are implemented.	Support	Focus Group	R&D Ag Program, Agriculture Industry	2010	
2 a. Marshaling Yards: Inventory existing facilities for produce consolidation (HDOA Marshaling Yards) and determine needs for renovation of existing facilities and development of new ones.	Support	Farm Bureau	R&D Ag Program, Agriculture Industry, Shippers, Wholesalers	2010	
2 b. Marshaling Yards: Publish facility list on the Hawai‘i Island Agricultural Web site.	Web site	R&D Ag Program	HCRC, HDOA, Farm Bureau	2010	

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Section IV J. Infrastructure

Objective: Develop infrastructure on Hawai‘i Island for packing and processing facilities for agricultural crops, timber and value-added products.

Action	R&D Ag Prog Activity	Leader	Partners	Start Date	Accomplishments
1. Slaughter Houses: Develop and implement a plan to develop slaughter house and farm-raised fish processing facilities on Hawai‘i Island.	Support	Livestock and Aquaculture Industry	R&D Ag Program, Agriculture Industry, HDOA, ADC, USDA, UHM-CTAHR, UHH-CAFNRM	As requested by industry	
2. Rendering Plant: Develop and implement a plan to build a rendering plant for Hawai‘i Island.	Support	Livestock Industry	R&D Ag Program, Farm Bureau, HDOA, ADC, USDA, UHM-CTAHR, UHH-CAFNRM	As requested by industry	
3 a. Community Kitchens: Inventory existing certified community and incubator kitchens available for use by food manufacturers.	Support	Farm Bureau	R&D Ag Program	2010	
3 b. Community Kitchens: Post and keep updated a list of certified community and incubator kitchens available for use by food manufacturers on Hawai‘i Island Agriculture Web site.	Web site	R&D Ag Program	HCRC, Farm Bureau, Certified community and incubator kitchens	2010	

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Section IV K. Research

Objective: Facilitate practical, applied research that will assist the farmers in crop and livestock production using sustainable techniques. Disseminate the research results and recommendations to the agricultural community.

Action	R&D Ag Prog Activity	Leader	Partners	Timeline	Accomplishments
1. Funding: Continue to assist with funding of industry supported research.	Agricultural Program Funding	R&D Ag Program	Agriculture Industry, Research Organizations	As requested	
2. Improve Communication: Disseminate research results to the public and agriculture community by publishing final reports of Agriculture Program funded projects. Post links to these reports and other Hawai‘i agriculture research sites on the Hawai‘i Island Agriculture Web site.	Web site	R&D Ag Program	HCRC, County Communications Director, UHM-CTAHR, UHH-CAFNRM, HARC, PBARC	2010	
3. Research Conference: Initiate a major applied research conference on Hawai‘i Island encompassing tropical agriculture and aquaculture.	Advocacy/Agriculture Program Funding	R&D Ag Program	UHM-CTAHR, UHH-CAFNRM, HARC, PBARC, RC&D, HIEDB, Agriculture Industry	2011	

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Section IV L. Invasive Species

Objective: Eliminate the introduction of invasive species to Hawai‘i Island and eradicate those already present.

Action	R&D Ag Prog Activity	Leader	Partners	Start Date	Accomplishments
1 a. Invasive Species: Convene and facilitate meetings between the stakeholders when a new invasive species is identified on Hawai‘i Island and develop strategies to manage the pests.	Advocacy	R&D Ag Program	BIISC, HCRC, HDOA, HDLNR, UHM-CTAHR/CES, UHH-CAFNRM, Agriculture Industry	2010	
1 b. Invasive Species: Develop a page on the Hawai‘i Island Agricultural Web site on Invasive Species including links to pertinent organizations and government agencies.	Web site	R&D Ag Program	HCRC, HDOA, BIISC, Agriculture Industry	2010	
1 c. Invasive Species: Support ongoing efforts of HDOA and Congressional Delegates regarding initiatives to improve invasive species inspection and entry prevention.	Support	HDOA	R&D Ag Program, Congressional Delegates, BIISC, Agriculture Industry	2010	