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*“Helping Indonesia to Grow”*

**AMARTA**  
**Quarterly Report of Project Activities and Achievements**  
**Quarter One, 2010**  
**October 1 – December 31, 2009**

## **Project Management**

### **Monitoring and Evaluation**

The following progress was made this quarter against the nine indicators that have been approved by USAID:

#### ***1a. Number of additional hectares under improved technologies or management practices***

In quarter one 2010, AMARTA added **6,415 hectares** under improved technologies through implementation of value chain interventions, including the following: Cocoa (5,625 hectares), High Value Horticulture (790 hectares).

#### ***1b. Number of additional units of animals, fish, and other aquaculture products under improved technologies or management practices***

In quarter one 2010, AMARTA added **18,440 units** under improved technologies through implementation of value chain interventions, including the following: Aquaculture (18,437 kilograms), Livestock (3 new pigs)

#### ***2. Number of producers organizations, water users associations, trade and business associations, and community-based organizations (CBOs) receiving USG assistance***

In quarter one 2010, AMARTA assisted **225 associations and farmer's groups** through implementation of value chain interventions, including the following: Cocoa (104 organizations), Coffee (30 organizations), High Value Horticulture (88 organizations), and Regional Agribusiness and Competitiveness Alliances (RACAs) (3 organizations).

#### ***3. Number of agriculture related firms benefiting directly from USG supported interventions***

AMARTA implemented activities in new partnership with **1 agriculture firm**, including: Aquaculture (1).

#### ***4. Number of individuals who have received USG supported short term agricultural sector productivity training***

AMARTA conducts training programs to provide knowledge on best agricultural practices in an effort to improve local farmer's harvesting capacity and to meet international standards. In quarter one 2010, **5,907 farmers, 5,029 men (85%) and 878 women (15%)**, participated in agribusiness trainings, including the following: Cocoa (4,557 participants), Coffee (72 participants), High Value Horticulture (1,197 participants), and Regional Agribusiness and Competitiveness Alliances (81 participants).

The training has proven to improve overall yields and post-harvest handling practices and increase sales for farmers as illustrated in many sections of this report.

**5. Percent change in value of international exports of targeted commodities as a result of USG assistance**

The following exporters reported significant export value increases compared to last year's comparable quarterly sales:

**Cocoa South & Southeast Sulawesi, PT. Olam Indonesia;** export increased **3%** or **\$4,565,521**

**Cocoa West Sulawesi, UD Tunas Jaya;** export increased **147%** or **\$15,297,595**

**6. Percent change in value of purchases from smallholders of targeted commodities as a result of USG assistance**

Impact of USG assistance has also produced additional positive results in the value of purchases from smallholders compared to last year's comparable quarterly sales:

**Cocoa South & Southeast Sulawesi, PT. Olam Indonesia;** value of purchases **decreased 6%**, while still managing to purchase **\$3,727,558** from smallholders

**Cocoa West Sulawesi, UD Tunas Jaya;** value of purchases increased **148%** or **\$13,747,926**

**7. Number of new technologies or management practices made available for transfer as a result of USG assistance**

AMARTA activities have introduced **2 new technologies** or management practices available for transfer to farmers this quarter, including:

Coffee: Coffee quality certification for exporters and producers

Cocoa: Garden evaluations

**8. Number of additional surveillance and/or control systems in place for agricultural threats**

This quarter AMARTA activities introduced **1 new control system**, including:

-Rice planting and harvesting schedule

**9. Number of public private partnerships formed as a result of USG assistance**

This quarter, AMARTA activities have established **0 new public private partnerships** to enhance agribusiness interventions.

## **AMARTA Grants Program**

The quarter saw the completion of the original series of PADA grants as final reports and assessments were conducted in conjunction with administrative tasks. Three new PADA grants were submitted and approved by USAID, including the following:

- Additional support for Maria Bintang Laut to improve ice storage located at the village harbor in Kokonao. The supply of ice blocks is vital for fishermen to keep their catch fresh and avoid spoilage. PADA and the Cooperative will build an ice storage facility closer to the village pier where fishermen start their daily trips. The grant funds of \$10,000 will be used for material and construction work, cold storage equipment, a generator, and purchasing a small tractor to transport ice blocks from the ice plant to the storage facility.
- Additional support for Baliem Arabica Cooperative and its members by increasing their coffee processing efficiency. The Cooperative currently operates a coffee processing facility located in Jagara Village (4km from Wamena) with a maximum capacity of 200 kg per day. The Cooperative plans to produce at least three containers (48 tons) per year of high grade coffee to fulfill potential buyer demand. In order to achieve this goal processing capacity must increase to more than 1,000 kg per day, requiring a new facility in Wamena that will employ more workers and save them transportation costs. PADA will support the initiative with a \$20,316 grant for construction work and equipment- such as 10 sorting tables, moisture testers, scales, and pallets.
- Providing Maria Bintang Laut Cooperative resources to enhance fish collecting and processing in Kokonao. Currently, about 130 tons per week of fish are collected and supplied to the local market as fresh fish. However, most of the sales to consumers and traders are raw unprocessed fish, and, consequently, the Cooperative can only absorb a limited supply of fresh fish from traders and fishermen at a low price because they do not have appropriate storage facilities to keep fish from spoiling. In order to increase the market value of collected fish and to open new markets, PADA will support Maria Bintang Laut in building and operating a modern processing facility that will be located in Mapuru Jaya a harbor close to Timika City, and will include \$72,632 for freezing equipment to produce frozen fish filets and fish steak to meet market demand.

## **Quarterly Overview**

During the quarter, AMARTA negotiated with USAID on the extension of the project through December 2010, which was ultimately signed on November 13<sup>th</sup>, 2009. The delay in receiving the extension adversely impacted the program as many AMARTA staff resigned from their positions, offices were closed, and some private sector and government partners were unwilling to continue working with AMARTA due to the uncertainty surrounding future implementation. After the agreement was completed, AMARTA immediately began hiring new staff, reestablishing relationships, and planning training activities.

## **Advocacy for Improved Enabling Environment**

### **Network and Partnership Development**

#### **Continued Collaboration with Senator Purba in North Sumatera**

AMARTA maintains a constructive dialogue with many agriculture stakeholders in North Sumatera. In an effort to continue previous success, AMARTA once again met with Senator Parlindungan Purba from North Sumatera (DPD), on October 30<sup>th</sup>. Senator Purba was optimistic that the newly elected administration and leadership will achieve significant improvements, especially in agriculture. He stated, *“The crucial issue is to change the mind set of farmers and improve agriculture resources. An open mind set and good human resources will ensure that they are able to absorb and implement what has been shared with them. I will always help AMARTA, because I understand AMARTA’s objective is to improve the living standard of farmers. It is also the basic objective that the government will always try to achieve.”* Senator Purba also serves as advisor for both the Regional Agriculture Competitiveness Alliances (RACAs) that were established by AMARTA in North Sumatera.

#### **Barangan Banana Alliance Broadcasts on Radio Republic Indonesia (RRI)**

The Barangan Banana Community Alliance in Deli Serdang District, established by AMARTA in May 2008, collaborated with Radio Republic Indonesia of Medan to feature a program called “Siaran Pedesaan” which will be broadcast monthly starting in November 2009. The show provides an interactive dialogue allowing farmers and traders to ask questions regarding banana development. The first two programs focused on the Alliance’s vision and mission and allowed callers from North Sumatera to call in with questions, comments, or advice.



**Banana Alliance in collaboration with RRI broadcasting to farmers from the Secretariat Office of the North Sumatera**

## **TVRI North Sumatera Covers AMARTA's Barangan Banana Community Alliance Demonstration Plot in Deli Serdang**

The Deli Serdang District office of Agriculture, the North Sumatera Provincial Office of Agriculture, the North Sumatera Food Security Institution, district agriculture extension agents, and farmer groups in North Sumatera, jointly decided to select a demonstration plot managed by the Barangan Banana Community Alliance of Deli Serdang to be featured in a TVRI program titled "North Sumatera Develops". The Alliance was considered one of the leading institutions in cultivating barangan bananas. The program was recorded on Tuesday, October 20<sup>th</sup> and broadcast on Sunday, November 29<sup>th</sup>. One of the objectives of the program was to expose the barangan banana farmers in Deli Serdang to appropriate practices and methods in an effort to improve production.

Originally, the program planned to cover conventional planting methods using single rows that are commonly used by banana farmers throughout the region; however, after witnessing AMARTA's double row planting method that produced better results, the content was changed to focus on this new and innovative method. During the program, the Chairman of the Banana Barangan Community Alliance talked about planting, maintaining trees, post harvest handling, and properly cutting banana fingers. Representatives of the government also took part in the program, including: the North Sumatera Food Security Institution, Head of Andalan Farmer's Group of North Sumatera, and the North Sumatera Provincial Office of Agriculture. They shared their thoughts on the role of the Alliance that helps banana farmers in the area.

With the application of double row technology, farmers gain significant advantages of higher quality products without having to sacrifice the distinct flavor and aroma barangan bananas offer. As the chairperson of KTNA of North Sumatera, Mrs. Hj. Taty Habib Nasution, stated, *"With double row technology, development of banana cultivation was faster and banana farmers can enjoy greater advantages. We have seen many cases where farmers have improved their production and gained more money."* The Agriculture Office previously recommended the single row method, however they have since encouraged farmers to utilize the double row method. Working together with AMARTA, the agriculture offices continue to socialize the new technology that has proven to provide increased productivity and greater income for farmers in Deli Serdang.



**Members of the Alliance share their success stories with TVRI at the AMARTA Demonstration Plot**

### **Partnership with the Governments of Simalungun and Pak Pak Bharat**

The Government of Pak Pak Bharat, located on the west coast of North Sumatera, requested assistance from AMARTA in developing horticulture in their District. On December 7<sup>th</sup>, AMARTA visited the Regent of Pak Pak Bharat, Department of Agriculture, as well as farmers who grow organic coffee and citrus. The Regent was very impressed with AMARTA's activities in Karo and Deli Serdang and asked for the successes to be replicated in Pak Pak Bharat. He was particularly interested in empowering and educating their field extension service and forming an alliance in order to empower farmers and improve their knowledge. He committed that the government is ready to become AMARTA's partner to implement the activities in horticulture and coffee. The area includes the newly established district with 40,000 inhabitants, 80% of whom are farmers. AMARTA will conduct a workshop regarding the value chains in Pak Pak Bharat, and a working agreement will be signed between AMARTA and the Government in February 2010.

Another partnership was recently conceived between AMARTA and Simalungun District, based on following up a meeting with the Department of Agriculture in North Sumatera. Simalungun is a horticulture center of production, particularly in citrus, floriculture, and coffee. AMARTA met with the Regent of Simalungun on December 22<sup>nd</sup>, and discussed the draft of a working agreement and presenting a workshop on "Improving the Horticulture Value Chain in Simalungun", planned for the second week in January 2010.

### **Access to Finance for Female Banana Growers**

The Banana Alliance mediated a dialogue between a women's farmer group and the energy defense fund (KKPE) offered by Bank Rakyat Indonesia (BRI), sponsored by the GOI with low interest loans for farmers. On December 10<sup>th</sup>, a meeting with the Head of the Department of Agriculture in Deli Serdang, BRI, the female farmers group, and field extension service agents focused on the requirements for submitting an application to BRI and explanations regarding the involvement of the local government. The Alliance assisted the women in completing all of the requirements and paperwork requested by BRI, as well as understanding the criteria required by the local government. As a result of this initiative, women farmers will access credit to expand their production.

## **Cocoa**

### **Sulawesi Kakao Alliance (ASKA) Program - Sulawesi**

#### **Rehiring ASKA Cocoa Training Staff**

During the quarter, AMARTA worked closely with all of the field trainers and other critical staff to communicate the status of AMARTA's extension from USAID. As many of these vital resources were seeking alternative employment, AMARTA was continually trying to maintain a strong core staff for future efforts. Ultimately, a total of 21 people who previously were employed in AMARTA's cocoa training were rehired,

supplemented by nine new staff, who all participated in a training of trainers (ToT) in Masamba during mid-December. The 30 people (27 men and 3 women) will assist in training 300 farmer groups- totaling approximately 7,500 farmers- through October 2010.

### **AMARTA Sulawesi Cocoa Alliance (ASKA) Training Activities**

Initial training activities conducted under the AMARTA Phase II extension began in December 2009. AMARTA technical personnel reviewed training materials and identified appropriate training activities. Following the completion of negotiations, AMARTA staff submitted revised activity plans and budgets for final confirmation. Upon review these were then the basis for the FY 2010 work plan submitted to USAID.

The ASKA cocoa training program in Sulawesi reestablished activities on December 17<sup>th</sup> with training and technical assistance provided to 150 farmer groups (FGs) located throughout Polman, North Luwu, East Luwu, and North Kolaka Districts. AMARTA has prepared a series of topics related to training that focuses on continuing increases in productivity through side grafting, replanting, and intensification with PsPSP methods, and also emphasizing cocoa quality improvements through post-harvest handling and access to transparent markets. A total of **3,782**, including **422** female (**11%**), farmers attended training sessions learning how to conduct garden evaluations and proper decisions regarding their gardens (see Table I).

**Table I** Participants attending ASKA training in the first training in AMARTA Phase II

Time	Topics	Attendance		
		Total	Male	Female
Socialization and garden evaluation management (17 -24 <sup>th</sup> December)	Southeast Sulawesi (50 FGs)	1,261	1,044	217
	South Sulawesi (50 FGs)	1,254	1,128	126
	West Sulawesi (50 FGs)	1,267	1,188	79
<b>Total ( 150 FGs)</b>		<b>3,782</b>	<b>3,360</b>	<b>422</b>

### **ASKA Garden Evaluation, Rehabilitation, and Replanting Training**

In 2008 and 2009 AMARTA trained 58 FGs in Mamuju in cocoa garden evaluations, replanting, and rehabilitation, and now continued assistance in other locations will help farmers address on-farm management, as well as off-farm issues such as quality, market access, and improved transparency. AMARTA has initiated and developed a new training program for the upcoming program extension replicating activities from Mamuju to other locations focusing on addressing problems with integrated training. For farmers who produce limited volumes one possibility is for them to jointly market their production to increase their bargaining position and reduce transportation costs, particularly if they want to sell their cocoa in a transparent system. This activity was identified by USAID as an important achievement conducted in 2009.

### **Training Of Trainers in Masamba**

Following the AMARTA extension approval, the ASKA program held a ToT to select new staff members while reviewing previously taught concepts and skills. The ToT held in Masamba, North Luwu South Sulawesi took place from December, 3-8<sup>th</sup>, with 46 participants attending (43 men and 3 women). The main purpose was identifying new ASKA training personnel, technical consolidation, increasing the capacity of all staff, completing staff evaluations, and selecting prospective new candidates. Topics were tailored to the training needs fundamental to the ASKA training program goals requiring trainers to understand relevant information, possess technical skills, and build the capacity to convey concepts in a clear manner to farmers.

Two participants from the Indonesian Directorate General (DG) of Estate Crop were also present to see the implementation of training activities. According to Fariza Diasty, a representative from the DG: *“This training is excellent because it is directly focused on developing practical skills and capacity for trainers and farmers. Participants can practice and exchange experiences with each other.”* Mr. Hendro Winarno from ICCRI also provided insight into selecting clones and explaining plant propagation methods.

### **SustIndonesia Kakao Alliance (SKA) – Bali**

#### **SKA Training of Trainers**

In an effort to improve the technical capacity for staff, and select new staff, AMARTA conducted a ToT in Bali from November 16<sup>th</sup> to 21<sup>st</sup> in Yeh Kuning Village, Jembrana District. The event was attended by 16 people, including both the Regional Agribusiness Competitiveness Alliances (RACAs) established by AMARTA: Aliansi Masyarakat Kakao Jembrana (ALKANA), Aliansi Masyarakat Kakao Tabanan (AMARKATA), as well as the Jembrana District Office of Agriculture and Marine Affairs, the Bali Provincial Office of Estate Crops, the Tabanan District Office of Forestry and Estate Crops, and AMARTA staff.

The main focus of the ToT was to increase the participants' capacity in farm evaluations and decision-making, pruning, production and maintenance, clone selection, various grafting techniques, harvest and post-harvest handling, fertilizing and organic fertilizer production, control of pests and diseases, drying, and good fermentation processes. Mr. Ketut Sujana, a participant representing the field management unit of the Bali Provincial Office of Estate Crops, stated that he was optimistic that 100% of all his



**AMARTA staff trains a member of the Jembrana District Office of Agriculture and Marine Affairs**

side-grafted plants would grow well. He believed that side-grafting would work if the main tree was healthy, the source of cuttings was healthy, and side-grafting techniques were conducted correctly. He recommended the training participants to share what they had learned in the training with other farmers and thanked AMARTA for the information and materials to share throughout Bali.

### USAID Visits the SKA Program in Bali

From September 29<sup>th</sup> to October 5<sup>th</sup>, Paul Deuster, USAID’s Director of Economic Growth, visited the SKA program in Bali where he met the farmers’ working group, the farmers’ forum, and saw the results of a cooperative fermentation processing unit. The visit provided Mr. Deuster with feedback, input, lessons learned, achievements, and constraints facing cocoa farmers who have been assisted by the AMARTA program. Mr. Deuster noted he was glad to see farmers have been maintaining their gardens and making necessary repairs, as well as making technical cocoa selection in their own gardens.



USAID’s Paul Deuster observes side grafting demonstrated by farmers in AMARTA’s SKA program

### Overview of SKA Farmer Training Activities

In the middle of December, SKA continued technical activities providing additional training in techniques linked with socialization and garden evaluations. Training was conducted for 30 FGs in Tabanan and Jembrana. A total of 751 farmers - 40 of whom were women- attended the training.

**Table I** Participants attending SKA training in first topic

Time and topic	# of FGs and Location	Attendance		
		Total	Male	Female
Socialization and garden management ( December, 14-21-2009)	15 FGs in Tabanan	376	348	28
	15 FGs in Jembrana	375	363	12
<b>Total (30 FGs)</b>		<b>751</b>	<b>711</b>	<b>40</b>

### AMARTA Continues Strengthening Alliances

AMARTA continued to assist and enhance the capacity of both farmer alliances previously supported: ALKANA in Jembrana and AMARKATA in Tabanan, received equipment and technical assistance. A number of the staff joined in the ToT, and coordination with the board and members helped in selecting farmer groups to work with SKA in 2010.

## **Coffee**

AMARTA continues supporting the activities of the Specialty Coffee Association of Indonesia (SCAI) that now has 85 members, 10 more than the previous quarter. Currently, retailers and roasters make up 25% of the members, while the largest segment of membership comes from the exporters and coffee producers, 45%. In addition, about 20% of members are individuals and the remaining 10% are farmer cooperatives who represent 21,683 members.

In November, SCAI invited the board and members to hold a work plan session for 2010. SCAI members provided advice and input on training and other activities to increase knowledge and improve marketing in all segments of the industry. Also, SCAI recently welcomed Ms. Ina Murwani as the new Executive Director; she will begin in early January 2010.

### **SCAI Cupping Program**

SCAI held a cupping program or coffee tasting with members every month during the quarter. This activity aims to provide education and assist members of the coffee industry in becoming familiar with standards and higher quality coffee. Cupping is important not only for the exporters but also for retailers, so they know the quality and tastes demanded by the international market and domestic consumers. As SCAI continues to expand the program it is expected the consumption of Arabica coffee- especially in the domestic market- will increase substantially in 2010.

### **SCAI Introduces Indonesian Culture through Coffee**

Although coffee is one of Indonesia's strongest commodities, very few people know about the rich variety of Indonesian coffee. Just within the Arabica variety, Indonesia actually produces coffees from Gayo, Lintong, Mandheling, Preanger, Jampit, Pancoer, Kintamani, Flores, Toraja, Wamena, and, of course, the world renowned *kopi Luwak*.

Every coffee has its own distinct flavors that represent particular origins, and this was the theme for SCAI's efforts in educating the public during the "Heritage of Indonesia" exhibition in North Skywalk of Pondok Indah Mall, Jakarta, from October 23<sup>rd</sup> through November 1<sup>st</sup>. The Association exhibited beans from all the coffee production centers in Indonesia. Aside from information about coffee, visitors at the exhibition also sampled cups of hot coffee. The Association's exhibition booth was crowded with visitors who were interested in learning more about Indonesian coffee.



**SCAI's booth at the exhibition of "Heritage of Indonesia" in Jakarta**

In accordance with the overall theme of the event, exhibitors displayed a variety of handicrafts, traditional food and commodities from Indonesia. More than 100 exhibitors participated in this event, including small and medium enterprises, and trade associations from all over the country.

## **High Value Horticulture**

### **West Java Agribusiness Action Group – Value Chain Center**

Establishing a Value Chain Center [VCC] is necessary in order to sustain AMARTA's activities by expanding networking, conducting policy and competitiveness analysis, maintaining a data base of organizations, and most importantly, acting as a service provider for agribusiness companies. The objective of the VCC is to improve West Java agribusiness competitiveness. It is also expected to play an important role in helping the government to establish an improved agribusiness enabling environment, while providing farmers institutional capacity and strengthening the farmer-extension-research linkages. During the quarter, The VCC conducted forums, discussions, and workshops to bridge information and communication gaps between agribusiness actors, the GOI, and other institutions to establish a policy advocacy agenda.

In September and October, the VCC organized events attended by more than 20 exporters in the West Java and Jakarta area. As result of these dialogues, participants agreed to establish the Indonesian Fruits and Vegetables Exporters Association. On October 20<sup>th</sup>, an executive board was nominated, including Mr. Sandy Widjaja as the Chairman and Mr. Komar Muljawibawa as Secretary General. Efforts were made to prepare a five-year workplan to increase exports and the overall quality of fruits and vegetables in Indonesia. Members of the Association consist of agriculture production companies and other institutions. Some of the founding members are: PT. Alamanda Sejati Utama, CV. Bimandiri, PT. Momenta Agrikultura, Hawila Farm, PT. Corona Prayitna, PT. Rama Putra, and Hikmah Farm. The goals of the Association are to assist farmers to become GAP certified, improve market share in Singapore- ideally reaching 30% of the market, and expand exports to other countries.

### **Training on Sub-Terminal Agribusiness (STA) Operations**

On December 14<sup>th</sup> training was conducted for all Sub-Terminal Agribusiness (STA) Operators and management teams in West Java. The training is part of West Java's STA Revitalization Program, in collaboration with the VCC Team of LPPM, UNPAD, and the West Java Province Agriculture Office. Content included introducing basic business planning, finance and administration, product handling, marketing, and distribution. Twenty eight participants attended, representing the Garut Agriculture Office, Cianjur Agriculture Office, Majalengka Agriculture Office, Bandung Regency Agriculture Office, Sukabumi Agriculture Office, and All STA Operators from Garut, Cianjur, Majalengka, and Bandung. The event improved skills in managing STAs as part of the horticulture supply chain- reaching modern markets domestically as well as export markets, focusing on quality standards for high value horticulture products.

### **Collective Marketing by Garut's Dirgantara Farmer's Group**

Farms belonging to Dirgantara Farmer's Group are located in Kiara Rungkad, Sukatani Village, in Garut. The area includes a production center for potatoes and tomatoes, as well as cabbage, carrots, and other crops, using crop rotation. AMARTA assisted the group in establishing a packing shed to handle crops by trimming, grading, and sorting. The Head of the Dirgantara Dirgantara Farmer's Group, Mrs. Poppy Kridawati, stated that the group can collectively market their crops, including collecting and transporting the produce to the shed, for grading, sorting, and packing. They sell their high quality products to Bimandiri or other suppliers, and the lower quality products are sold to traditional markets in Garut, Bandung, and Tangerang wholesale markets. The group negotiates directly with traders and independently delivers their products to the market, typically by younger farmers who are looking to expand their experience and knowledge in running a farming business.

From May through November 2009, the members of the group sold 21,600 kg of Grade A tomatoes and 320 kg of broccoli to Bimandiri, as well as 36,700 kg of Grade B/C tomatoes, 10,600 kg of potatoes, 8,250 kg of carrots, 9,970 kg of cabbage, and a small quantity of chilies. Members pay a set fee of between Rp. 200-400 for products that the group sells and the proceeds pay for operational costs of the packing shed. The fee is significantly lower than the amount collected by local traders and has encouraged significant membership expansion.



Collection and weighing of tomato harvest at the packing shed

### **High Value Horticulture in North Sumatera**

#### **Citrus Standard Operating Procedures Training and ToT**

During the quarter, AMARTA's citrus activities in Karo, North Sumatera continued with training at production centers, including: Simpang Empat, Merek, Berastagi, Naman Teran, Munthe, and Baru Jahe. A total of 777 citrus farmers were trained- 559 male (72%) and 218 females (28%), 596 ha were improved, and a total of 79 farmer groups joined the training in 10 villages. The Indonesia Citrus Society (ICS), North Sumatera continued to support AMARTA and will ultimately be responsible for sustaining successful efforts. The subjects covered during the two day training were: soil rehabilitation, organic fertilizing practices, and controlling pests and diseases. ICS is also disseminating recommended standard operating procedures (SOPs) and providing hands on technical assistance to farmers in rehabilitating their citrus fields that are under producing.

To enhance the skills of farmers with advanced knowledge who have achieved proven results from implementing SOPs, AMARTA and ICS conducted a field school ToT, where 20 selected trainees from three farmer's groups were trained directly in the field. The demonstration plots are located in Tiga Panah, Merek, and Simpang Empat Sub-districts. The land is owned by individual farmers, and participants learned practical applications and were able to see the positive results first-hand. Most importantly, the farmers learned skills through direct contact in the field with their peers assisting them and learning together in a collegial environment. This success motivated them to utilize SOPs on their own farms and teach other farmers how to improve production and profits. The trainees provide examples and mentors to other farmers and will work closely with government extension agents to disseminate best practices.



A female farmer group attends training

### **AMARTA produced new SOP citrus VCD**

To more effectively distribute knowledge gained by farmers using citrus SOPs, AMARTA distributed a VCD that includes the latest training materials. A total of 5,000 copies were distributed to extension agents and citrus farmers, covering land preparation, planting, pruning, rehabilitating old citrus trees, and post-harvesting handling.



AMARTA citrus training materials

### **Citrus SOP Training Results**

In an effort to quantify measurable achievements, AMARTA conducted surveys with farmers who were trained by selecting and sampling 10 trained farmers from each village and farmer group. Comparing harvest production, production costs, and income before and after implemented citrus SOP procedures the following successes were recorded:

- Harvest production increased 157%, from 6,528 kg per ha to 16,783 kg per ha.
- Grade- A produce increased from 13% to 23%, B-grade increased from 14% to 25%, C-grade remained at 42%, but D-grade decreased from 29% to 10%.
- Sales prices increased from Rp. 2,090 to Rp 3,395 or 62%, due to increased fruit quality and quantity.
- Monthly production costs reduced from an initial Rp. 1-1.5 million to Rp. 0.5-1 million, or about 50-100%
- Average monthly income increased from Rp. 1-1.5 million to Rp. 2-2.5 million, or about 67-100%

### **Improving Local Carrot Seed Using a Greenhouse Prototype**

The results of the carrot greenhouse proved beneficial in Berastagi as the total flowers from each plant exceed what was produced using outside methods. In an effort to enhance the marketing of the new and improved seeds, AMARTA is continuing to work with local agencies to receive a certificate and label from the North Sumatera Seed Inspection Authority. The operation of growing and maintaining the seeds was directly managed by the Karo Carrot Association who is encouraging farmers to use superior quality local seeds in an effort to compete with imported fresh carrots.



Visiting the carrot seed production greenhouse



Inspecting carrot mother plants

### **Banana Training with the Deli Serdang Agriculture Department**

Collaboration with the Deli Serdang Agriculture Department continued during the quarter with two training events conducted in two villages. A total of 207 banana farmers participated- 155 (74%) males and 55 (26%) females, and 73 ha of banana fields were improved. The basic training is still being conducted at night to allow farmers to tend to their fields during daylight hours. The training subjects included: soil preparation, double row planting system, pruning, and controlling pests and diseases. To follow up the previous basic training, AMARTA and government extension agents

continued double row demonstration plots, where 20 selected farmers from the two villages were trained on site; the successful collaboration serves as a model for sustainable development with the Deli Serdang Agriculture Department.



**Banana training for women in Deli Serdang**



**Working together with local extension agents**

**Delivering Bananas to Medan and Jakarta through PT. Sewu Segar Nusantara**

During the quarter, PT Sewu Segar Nusantara continued to purchase bananas directly from farmers to deliver to the Jakarta market. The farmer groups collected bananas directly from the field, or farmers delivered the products to AMARTA's pack house, where they were selected and graded based on size and quality. From October through December 2009, approximately 87,000 hands valued at Rp. 435 million (\$45,790) were delivered to Medan and Jakarta markets, while approximately 27,000 hands valued at Rp. 135 million (\$14,210) were delivered to Jakarta through PT. Sewu Segara Nusantara.

## **Papua Agribusiness Development Alliance (PADA)**

### **Kokonao**

The operations including buying fish and selling ice continued effectively throughout the quarter. The Maria Bintang Laut Cooperative was able to compete with local traders



**Newly rehabilitated boat for the Cooperative to collect fish from different villages along the coast**

and set a competitive price to pay fishermen. The seafood traders in the area purchased fish from the Cooperative as well as directly from fishermen, expanding the overall positive affect of the project. Since inception of the activity through November 2009, the Cooperative has purchased 44,362 kg of Barramundi fish and 17,190 kg of mixed variety fish. The total amount of money paid directly to fishermen in Kokonao is Rp. 561,097,000 (\$59,063). This additional cash is providing economic benefits to hundreds of villagers, helping to rejuvenate the economy in Kokonao and the surrounding area.

Due to the success of the Cooperative, seafood traders began traveling up and down the coast to different villages and buying fish directly from local fishermen. To respond to this challenge, PADA and the Cooperative finished work rehabilitating the 5-ton boat previously utilized by the Cooperative. The boat's body went through minor reconstruction and a fiberglass ice tank was installed to retain fresh fish during the long hours required to visit villages and return to the cold storage unit in Kokonao. In January, PADA, with additional funding from LPMAC, will assist the Cooperative in building satellite shelters or bunkers at several points to accommodate and purchase fish from villages that are far from the ice factory. These shelters will serve as points of transaction where fishermen can sell and store their fish to be picked up later on by the Cooperative. This new storage system will save the fishermen time, energy, and fuel costs.

## **Papua Coffee Development**

### **Wamena**

The Baliem Arabica Coffee Cooperative in the Baliem Valley continued to purchase, process, and trade coffee that originates from its 689 members who are organic certified farmers. Coffee is purchased as a raw product (parchment coffee) from the farmers and processed at the Jagara processing facility that has a capacity of 2,000 kg per day.



This quarter the main focus was on buying, processing, and delivering a second container for export. In December the shipment was delivered to Jayapura for further inspection. In addition, in October 2009, the Cooperative had to prepare an additional ton that was purchased by the Amungme Gold Coffee Company, which owns a roasting and packaging facility in Timika. To assist in accomplishing this aggressive schedule, PADA granted the Cooperative with two Strada pick-up trucks. The vehicles will be used to buy coffee at different villages throughout the Baliem Valley. The two pick-up trucks will save considerable money on the extremely high transport costs required to collect coffee in villages throughout the region.

The Cooperative also gained a new customer, PT. Pangansari Utama, the catering company at PT. Freeport Indonesia. PT. Pangansari agreed to buy 12 tons of roasted coffee from the Cooperative per year, or one ton a month, at a price of Rp. 54,000 per kg. Two tons of processed coffee for Pangansari was delivered to Timika in November. The coffee will be roasted and packed in Timika and all of the profits from this venture will go straight to the farmers' Cooperative to continue buying coffee at a fair price and providing technical and material assistance to the coffee farmers throughout the Baliem Valley.



**Baliem Arabica staff preparing samples at the Sentani warehouse**

The AMARTA-PADA team and the Cooperative also finished creating an internal control system, which includes a farmer registration process. This system allows the Cooperative to guide members to follow organic and fair trade standards. The Cooperative officers regularly check on farmers' compliance as they purchase coffee at different villages. The total coffee purchases in Wamena for the quarter were approximately 700 liters.

### **Moanemani**

This quarter, grantee Santo Isidorus Cooperative in Moanemani concentrated on working intensively to complete the creation of an internal control system, including farmer registration. Once completed, the Cooperative will be able to guide the registered farmers more efficiently and teach farmers organic



**Farmer registration in Moanemani**

production practices. The field coordination with farmers took place from May through June 2009 in four locations throughout the Kamu Valley; Moanemani, Bomemani, Idakebo, and Egebutu. The field coordinator from each location was trained by PADA and subsequently visited each location to train the farmers. These coordinators will later be in charge of village-to-village quality control to ensure farmers' compliance with standards. During the quarter, activities were reduced in Moanemani while issues relating to local management were discussed and resolved with the Catholic Church and Santo Isidorus Cooperative.

## **Agimuga**

The Agimuga District in Mimika, Papua includes four villages with approximately 1,000 families, most of whom earn their livelihoods from farming and pig breeding. Unfortunately, due to the distance from the town of Timika the farmers have no place to market their products, and typically sell or trade among each other. Most of the supplies for daily subsistence in this extremely remote location are acquired in Timika, reached by the river that takes between eight to 10 hours. Rice is a main dietary staple purchased in Timika, while the cost of transportation exceeds the cost of actually purchasing the rice.

PADA works with the Catholic Diocese of Timika to improve farming and livelihoods in Agimuga District. The program aims to help farmers to plant rice for local consumption, and any excess can be sold to nearby districts in the highland area. PADA provides improved rice seed and a rice expert to research the land and monitor planting. In addition, two hand tractors were provided to till the fields along with two rice hulling machines to hull the harvested rice. The first harvest of rice was completed in January 2009 and yields were among the highest in Indonesia, a remarkable accomplishment for this activity in an extremely challenging environment.

This quarter the PADA team witnessed considerable improvements in the village of Aramsolki in Agimuga. Farmers are now planting rice independently and use techniques which were introduced by PADA. The initial recipients of the training and technical assistance have taken it upon themselves to teach others in the village to replicate the successful intervention. As a result, many new farmers are planting rice and receiving high quality seeds from local farmers who have already cultivated a successful crop.



**Mr. Aim monitors his rice field**

One local farmer, Mr. Lukas Aim, had a creative idea and packed his rice into one kilogram bags before selling a total of 100kg to local shops in Aramsolki, Kiliarma and Amungun, after saving one ton for his own consumption. In October 2009, Mr. Lukas earned Rp. 1.2 million (\$127) from selling the 100kg of rice. This level appears to be the reported income of other farmers in the village as well. With his new income Mr. Lukas purchased additional food and clothing for his family and saved the remaining funds for the future- a significant accomplishment and foresight not usually seen in rural Papua where most families live on subsistence farming and the threat of food shortages are common.



Small rice shop run by Lukas Aim, a local

Recently the PADA team learned that Mr. Lukas went a step further and helped finance other local farmers who were interested in starting up their own rice farms. The money is used to help others purchase rice seed and also to help those who do not have the money to pay for rice processing and hulling. Moreover, under the leadership of Mr. Pius, an elder in the village, the people agreed to make a plan to allocate some of the RESPEK (strategic plan for village development) funds from the provincial government of Papua to continue funding the rice activities, as well as swine production that PADA is also engaged in. They asked that PADA help determine possible uses of the RESPEK funds to enhance the two projects.

The eagerness of the Agimuga community, especially Mr. Lukas, to increase the production of rice in Agimuga, has helped create crop diversity in the district and provided food security in a remote and vulnerable location. The entrepreneurship has also increased incomes for villagers and will provide economic opportunities in the future, particularly in access to financial services which is dramatically lacking throughout Indonesia.

Also in Moanemani, the construction of the swine farm is complete. PT. Freeport Indonesia donated one boar and two sows to the Aramsolki pig farmers. The pigs were delivered to Aramsolki in November 2009. One week after the delivery the pig farmers put the boar in a mating house with a sow. The piglets from this process will then be distributed to the pig farmers until everyone receives a boar and a sow. The farmers were trained in November on breeding techniques and the way to care for their pigs. This includes the application of vitamins and immunization for disease prevention. It is anticipated that the pig farmers will supply the best quality pork meat for the market. Eventually the pig farmers group can create a business where pork meat can be sold on a regular basis to different villages in the coast and districts throughout Mimika Regency.

Recently, the pig farmer groups went a step further and agreed to write up a plan and allocate some of the RESPEK funds from the provincial government of Papua to continue funding the rice activities, as well as swine production. The farmers have asked that PADA help in the discussion to determine possible use of the RESPEK funds to better accommodate the needs of the two projects.



**Training on pig vaccination from PADA staff**



**Completed Swine Farm in Agimuga**

*"The AMARTA-PADA program has had a positive impact in our community. I recently harvested rice from my plot, sold 100 kg and made Rp. 1,200,000. I used the money to pay the four people who assisted me in the field, and helped some of my neighbors by providing them with small loans. We have never seen such a successful program that empowers the people to improve their own lives."*

**Mr. Lukas, farmer in Agimuga**

Participant Training Information: October-December 2009

ECONOMIC GROWTH OFFICE

PROJECT: Agribusiness and Market Support Activity (AMARTA)

No	Title of Training/ Conference/Workshop/Meeting	Brief Description/Purposes of The Training/Conference/Workshop	Primary Sponsor	Institution of Participants	# of USAID Employee Attended	# of Male Participants (To Include # of Male USAID Employee Attended)	# of Female Participants (To Include # of Female USAID Employee Attended)	Place of Training	Date		Budget
1	<b>Focus Group Discussion on Development of Inovation System for Organic Farming Competitiveness</b>	The objective of this discussion is to improve fertilizer supply at farmer level, and promote organic fertilizer usage as substitution for chemical fertilizer. Also discussed government policies for Go Organic Agriculture, eg: compost subsidies from World	Ministry of Environment and Value Chain Center (VCC) - LPPM UNPAD. VCC was established by AMARTA in May 2009	Ministry of Economic Coordinator, Agency of National Development Planning, Agriculture Department, West Java Food Crops (Agriculture) Office, West Java Development Planning Agency, West Java Animal Husbandry Office, BPLHD Jawa Barat, BKP Jawa Barat, Dinas	0	71	14	Grand Kiara Room, Hotel Topaz, Bandung.	2-Sep-09	2-Sep-09	\$0
2	<b>Citrus Field School</b>	Field School II. Topics: Pestisida 5Tepat and Fertilizer	USAID-AMARTA	AMARTA, Farmers Group	0	5	1	Kandibata village, Simping Empat subdistrict	9-Oct-09	9-Oct-2009	\$223
3	<b>Citrus Field School</b>	Field School II. Topics: Pestisida 5Tepat and Fertilizer	USAID-AMARTA	AMARTA, Farmers Group	0	0	5	Ergaji village, Merek subdistrict	16-Oct-09	16-Oct-2009	\$223
4	<b>Round Tables Discussion on Established of Indonesian Vegetables and Fruits Exporters Association</b>	The Topics of this discussion is to establish an organization/association (institution) for vegetables and fruits exporters. VCC team as initiates Exporters Association, assist some Exporters Company (as founder) to prepare internal regulation, organisasi	Value Chain Center (VCC) - LPPM UNPAD and Exporters Company	PT. Alamanda Sejati Utama, PT. Momenta Agrikultura, CV. Sari Buah Sae, PT. Corona Prayitna, ASB Farm, CV. Bimandiri, Putri Segar, PT. Saung Mirwan, Hawila Farm, Rama Putera, Mekar Tani Jaya, Tani Unggul, PD. Hikmah Farm,	0	20	1	Value Chain Center (VCC) at LPPM - UNPAD	20-Oct-09	20-Oct-09	\$0
5	<b>Training</b>	Citrus Training. Topics: Soil & Fertilisation and Pest & Disease	USAID-AMARTA	AMARTA, 12 Farmers Group (juma balai,juma embal,deleng malai,julun tapin,laumpawa 1,laumpawa 2,batur,p gading,lepar,uruk berteng,rengau,berhala.)	0	53	5	Jumaraja village, Berastagi subdistrict	20-Oct-09	21-Oct-09	\$543
6	<b>Training</b>	Citrus Training. Topics: Soil & Fertilisation and Pest & Disease	USAID-AMARTA	AMARTA, 7 Farmers Group (Juma Lepar, Kenjulu, Nande, Julu)	0	45	17	Kuta Rayat village, Naman Teran subdistrict	26-Oct-09	27-Oct-2009	\$543
7	<b>(RACA) - Dialogue Alliance Deli Serdang with USAID</b>	Dialogue of Community Banana Barangan Deli Serdang with Usaid regarding the involvement of Alliance to the farmers community particularly in policy advocacy which impacted to the development of agriculture banana in dist. Deli Serdang, as well as the prog	USAID-AMARTA	Dept. of Agriculture Deli Serdang, Field Extension services, farmer groups and Alliance community banana barangan Deli Serdang	2	31	8	Durian Tonggal Village, Pancur Batu, Deli Serdang	28-Oct-09	28-Oct-09	\$200
8	<b>(RACA) Dialogue Alliance Karo Horticulture Community with USAID</b>	Usaid and Karo Horticulture Community held the dialogue in AMARTA Kabanjahe office, on this occasion the farmers alliance member conveyed how difficult to cooperate to the government in Dist.Karo, even some of the policy activities done by the allia	USAID-AMARTA	Karo Horticulture Community	2	10	1	Amarta, Kabanjahe office	29-Oct-09	29-Oct-09	\$750
9	<b>Cupping Training</b>	This activity is an exercise of the coffee taste test given by the SCAI to facilitate its members who come from kopiuntuk industry can maintain quality and standards for klayakan coffee consumption and the export	AMARTA-SCAI	PT. Sabani Internasional, PT. Quintino's Djawa, Starbuck Indonesia, Cafe La Tazza, PT. JavArabica, Secangkir Kopi Consultant, Al-Khamed Trading, J.J Multi Royal, Maharaja Kopi, Darwin Baker's, Takeaway Coffee, Coffee Toffee, Sebastanz Coffee.	0	16	4	SCBD, JAKARTA	29-Oct-09		\$0
10	<b>Training</b>	Citrus Training. Topics: Soil & Fertilisation and Pest & Disease	USAID-AMARTA	AMARTA, 8 Farmers Group (tambal,kenjahe,kenjulu,sukaribu,pasar,demak,lauserundi,lau riman)	0	55	12	Bandar Meriah village, Munthe subdistrict	16-Nov-09	17-Nov-2009	\$681

11	Training	Citrus Training. Topics: Soil & Fertilisation and Pest & Disease	USAID-AMARTA	AMARTA, 15 Farmers Group (baturen,juma reben,tamale,juma pintu,juma pinang,juma kepar,mbang siratal,tambak batu,pola bungus,sabah kenjahe,juma great,uruk buai,senggiwing,juma gugung,batu semen)	0	55	5	Buluh Naman village, Munthe subdistrict	18-Nov-09	19-Nov-2009	\$681
12	Training	Citrus Training. Topics: Soil & Fertilisation and Pest & Disease	USAID-AMARTA	AMARTA, 0 Farmers Group ()	0	46	53	Kaban Tua village, Munthe subdistrict	24-Nov-09	25-Nov-09	\$681
13	Cupping Training	This activity is an exercise of the coffee taste test given by the SCAI to facilitate its members who come from kopiuntuk industry can maintain quality and standards for klayakan coffee consumption and the export	AMARTA-SCAI	PT. Quintino's Djava, Starbuck Indonesia, Cafe La Tazza, PT. JavArabica, Secangkir Kopi Consultant, Al-Khamed Trading, J.J Multi Royal, Maharaja Kopi, Darwin Baker's, Takeaway Coffee, Coffee Toffee, Sebastianz Coffee.,Sabani Internasional, Opal Sari Nutr	0	19	3	PT. Quintino's Djava, JAKARTA	26-Nov-09		\$0
14	Training	Citrus Training. Topics: Soil & Fertilisation and Pest & Disease	USAID-AMARTA	AMARTA, 8 Farmers Group (juma kenjahe,juma kenulu,laubiang,inpres,juma kuta suah,juma rioni,lau r jaheripe)	0	44	27	Kuta Suah village, Munthe subdistrict	30-Nov-09	1-Dec-2009	\$681
15	Training	Banana Training. Topics: Banana New Teknologi	USAID-AMARTA	AMARTA, Agriculture Departement Deli Serdang, 5 Farmers Group (Mekar Tani, Tani Subur, Suka Tani, Karo Populer and Sampe Cita )		91	15	Sampe cita Village, Kutalimbaru District	6-Dec-2009	6-Dec-2009	\$271
16	Training	Citrus Training. Topics: Soil & Fertilisation and Pest & Disease	USAID-AMARTA	AMARTA, 6 Farmers Group	0	60	28	Talim Kuta village, Barusjahe sub-district	8-Dec-09	9-Dec-2009	\$681
17	Cupping Training	This activity is an exercise of the coffee taste test given by the SCAI to facilitate its members who come from kopiuntuk industry can maintain quality and standards for klayakan coffee consumption and the export	AMARTA-SCAI	PT. Quintino's Djava, Starbuck Indonesia, Cafe La Tazza, PT. JavArabica, Secangkir Kopi Consultant, Al-Khamed Trading, J.J Multi Royal, Maharaja Kopi, Darwin Baker's, Takeaway Coffee, Coffee Toffee, Sebastianz Coffee.,Sabani Internasional, Sari Opal Nutr	0	25	5	La Tazza, JAKARTA	10-Dec-09		\$0
18	Training	Citrus Training. Topics: Soil & Fertilisation and Pest & Disease	USAID-AMARTA	AMARTA, 11 Farmers Group	0	49	2	Merek village, Merek sub-district	10-Dec-09	12-Dec-2009	\$681
19	(RACA) - Dialogue " Follow up Access to Finance for Horticulture Farmers "	This dialogue executed as the follow up of the access to finance for Banana farmers for the woman farmer group, the dialogue openly discuss regarding the requirement provided by the BRI to the woman farmer group, in this case The Head of Dept Agricultur	USAID-AMARTA	Dept. of Agriculture Deli Serdang, Field Extension services, Bank Rakyat Indonesia(BRI)	0	11	9	Dept. of Agriculture office Hall, Lubuk Pakam Deli Serdang	10-Dec-09	10-Dec-09	\$190
20	Training	Banana Training. Topics: Banana New Teknologi	USAID-AMARTA	AMARTA, Agriculture Departement Deli Serdang, 3 Farmers Group (Lau Meturgai, Arih ersada and Hijau Lestari)	61	61	40	Sikeben Village, Sibolangit District	13-Dec-09	13-Dec-09	\$271
21	Training on Sub Terminal Agribusiness (STA) Operation Management for STA Operator at West Java	This training is part of West Java Agriculture Office STA Revitalization Program. The objective of this training is to improve management skill for all STA Operator at West Java. Included Supply Chain Management for horticulture, Finance and Administrati	West Java Agriculture Office, and Value Chain Center (VCC) - LPPM UNPAD.	Garut Agriculture Office, Cianjur Agriculture Office, Majalengka Agriculture Office, Bandung Regency Agriculture Office, Sukabumi Agriculture Office and All STA from Garut, Cianjur, Majalengka, Bandung	0	23	5	Value Chain Center (VCC) at LPPM - UNPAD	14-Dec-09	14-Dec-09	\$0



## AMARTA Indicators for Quarter 1 2010 (Oct- Dec 2009)

INDICATORS		Aqua	Natural	Cocoa	Coffee	Beef	Vegetables	Tropical Fruit	Biofuels	Seaweed	RACA	Total
		culture	Rubber			Livestock		& Flowers				
Number of additional hectares under improved technologies or management practices as a result of USG assistance	Actual 2007	-	-	1,222	-	-	-	1,137	-	-	-	2,359
	Actual 2008	-	535	20,803	7,200	-	665	4,545	40	-	-	33,788
	Actual 2009	-	1,782	9,527	1,099	-	267	2,899	-	-	-	15,574
	Q1 2010	-	-	5,625	-	-	4	786	-	-	-	6,415
	Actual 2010	-	-	5,625	-	-	4	786	-	-	-	6,415
	LOP Actual	-	2,317	37,177	8,299	-	936	9,367	40	-	-	58,136
	LOP Target	-	1,300	21,510	19,395	-	1,107	4,022	110	-	-	47,444
Number of additional units of animal, fish and other aquaculture products under improved technologies or management practices as a result of USG assistance	Actual 2007	-	-	-	-	-	-	-	-	-	-	-
	Actual 2008	14,140	-	-	-	300	-	-	-	2,203	-	16,643
	Actual 2009	105,769	-	-	-	38	-	-	-	1,866	-	107,673
	Q1 2010	18,437	-	-	-	3	-	-	-	-	-	18,440
	Actual 2010	18,437	-	-	-	3	-	-	-	-	-	18,440
	LOP Actual	138,346	-	-	-	341	-	-	-	4,069	-	142,756
	LOP Target	60,030	-	-	-	590	-	-	-	14,800	-	75,420
Number of producer organizations, water user associations, trade and business associations, and community-based organizations (CBOs) receiving USG assistance	Actual 2007	-	-	-	-	-	-	9	-	-	-	9
	Actual 2008	7	18	901	262	17	120	114	2	15	110	1,566
	Actual 2009	-	4	-	4	22	4	322	-	-	176	532
	Q1 2010	-	-	104	30	-	1	87	-	-	3	225
	Actual 2010	-	-	104	30	-	1	87	-	-	3	225
	LOP Actual	7	22	1,005	296	39	125	532	2	15	289	2,332
	LOP Target	34	84	910	361	9	77	81	2	17	140	1,715
Number of agriculture related firms benefiting directly from USG supported interventions	Actual 2007	-	-	-	-	-	-	-	-	-	-	-
	Actual 2008	9	10	12	7	1	16	8	1	2	24	90
	Actual 2009	-	-	4	9	-	8	-	-	-	-	21
	Q1 2010	1	-	-	-	-	-	-	-	-	-	1
	Actual 2010	1	-	-	-	-	-	-	-	-	-	1
	LOP Actual	10	10	16	16	1	24	8	1	2	24	112
	LOP Target	71	32	4	51	3	76	10	1	2	-	250
Number of individuals (men and women) who have received USG supported short-term agriculture sector productivity training	Actual 2007	0	79	17,428	128	-	60	5,520	-	-	186	23,401
	Actual 2008	453	445	32,155	12,670	446	1,497	3,942	1,436	216	1,387	54,647
	Actual 2009	192	384	60,809	1,257	-	859	4,483	-	218	972	69,174
	Q1 2010	-	-	4,557	72	-	282	915	-	-	81	5,907
	Actual 2010	-	-	4,557	72	-	282	915	-	-	81	5,907
	LOP Actual	645	908	114,949	14,127	446	2,698	14,860	1,436	434	2,626	153,129
	LOP Target	1,950	1,825	39,440	15,510	700	4,432	7,914	3,550	800	5,400	81,521
Percent change in value of international exports of targeted agricultural commodities as a result of USG assistance	Actual 2007	-	-	-	-	-	-	-	-	-	-	-
	Actual 2008	-	-	119	100	-	-	-	-	100	-	106
	Actual 2009	-	-	118	50	-	-	-	-	100	-	89
	Q1 2010	-	-	75	-	-	-	-	-	-	-	75
	Actual 2010	-	-	75	-	-	-	-	-	-	-	75
	LOP Actual	-	-	104	75	-	-	-	-	100	-	93
	LOP Target	66	-	45	89.0	-	18	-	-	50	-	54
Percent change in value of purchases from smallholders of targeted commodities as a result of USG assistance	Actual 2007	-	-	-	-	-	-	-	-	-	-	-
	Actual 2008	100	-	89	100	-	-	87	-	100	-	95
	Actual 2009	-	-	236	25	-	-	100	-	200	-	140
	Q1 2010	31	-	71	-	-	-	-	-	-	-	51
	Actual 2010	31	-	71	-	-	-	-	-	-	-	51
	LOP Actual	66	-	132	63	-	-	94	-	150	-	101
	LOP Target	171	8	30	59	100	50	26	-	100	-	68
Number of new technologies or management practices made available for transfer as a result of USG assistance	Actual 2007	-	-	5	-	-	-	5	-	-	-	10
	Actual 2008	24	14	23	13	1	23	28	3	5	-	134
	Actual 2009	2	1	3	-	1	12	2	-	2	8	31
	Q1 2010	-	-	1	1	-	-	-	-	-	-	2
	Actual 2010	-	-	1	1	-	-	-	-	-	-	2
	LOP Actual	26	15	32	14	2	35	35	3	7	8	177
	LOP Target	25	14	24	13	1	23	28	3	1	-	132
Number of additional surveillance and/or control systems in place for agricultural threats	Actual 2007	-	-	-	-	-	-	-	-	-	-	-
	Actual 2008	6	2	1	3	1	-	1	-	1	-	15
	Actual 2009	4	-	1	-	1	1	-	-	2	-	9
	Q1 2010	-	-	-	-	-	1	-	-	-	-	1
	Actual 2010	-	-	-	-	-	1	-	-	-	-	1
	LOP Actual	10	2	2	3	2	2	1	-	3	-	25
	LOP Target	6	2	1	3	1	-	1	-	1	-	15
Number of additional surveillance and/or control systems in place for agricultural threats	Actual 2007	-	-	-	-	-	-	-	-	-	-	-
	Actual 2008	2	3	4	4	1	2	1	1	-	-	18

INDICATORS		Aqua culture	Natural Rubber	Cocoa	Coffee	Beef Livestock	Vegetables	Tropical Fruit & Flowers	Biofuels	Seaweed	RACA	Total
Number of public-private partnerships formed as a result of USG assistance.	Actual 2009	2	-	-	4	-	2	-	-	-	-	8
	Q1 2010	-	-	-	-	-	-	-	-	-	-	-
	Actual 2010	-	-	-	-	-	-	-	-	-	-	-
	LOP Actual	4	3	4	8	1	4	1	1	-	-	26
	LOP Target	2	3	4	5	1	2	1	1	-	-	19