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Farmer-to-Farmer  
Program

**CNFA**  
**Europe, Caucasus, Central Asia (ECCA)**  
**Farmer-to-Farmer Program**  
**Final Report: FY09-FY13**

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**Report on Activities from FY09-FY13**  
**(01 October 2008 – 30 September 2013)**

**31 October 2013**

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## I. SUMMARY OF PROGRAM IMPLEMENTATION

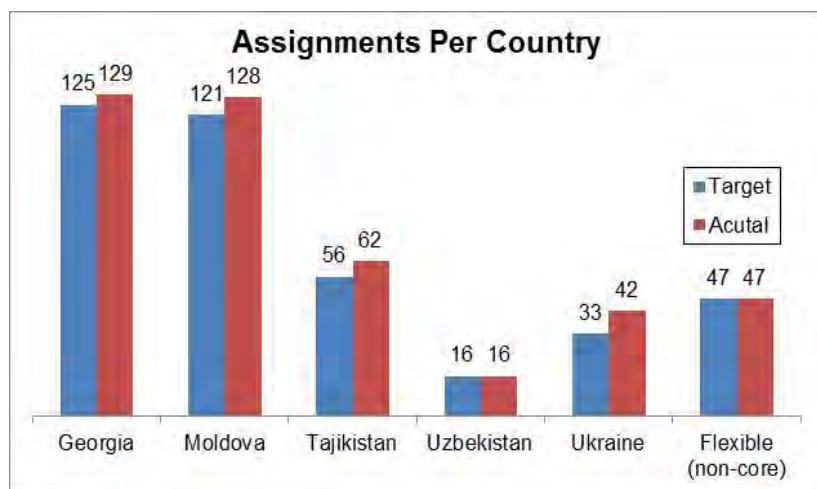
### A. Program-wide Activities and Accomplishments

#### 1. Assignments:

ECCA Volunteer Assignment Targets and Actuals							
Leader Award	Y1 Actual	Y2 Actual	Y3 Actual	Y4 Actual	Y5 Actual	LOP Target	LOP Actual
Georgia	23	29	26	27	24	125	129
Moldova	15	29	27	30	27	121	128
Tajikistan	2	13	15	17	15	56	62
Uzbekistan	1	2	5	4	4	16	16
Ukraine		10	11	6	15	33	42
Flexible*	5	11	7	9	15	47	47
<b>Leader Award Total</b>	<b>46</b>	<b>94</b>	<b>91</b>	<b>93</b>	<b>100</b>	<b>398</b>	<b>424</b>
<b>Associate Awards</b>							
AMP Associate Award		9	11	5		25	25
Belarus F2F Associate Award		1	6	10		17	17
<b>Associate Award Total</b>	<b>0</b>	<b>10</b>	<b>17</b>	<b>15</b>	<b>0</b>	<b>42</b>	<b>42</b>
<b>Total Assignments</b>	<b>46</b>	<b>104</b>	<b>108</b>	<b>108</b>	<b>100</b>	<b>440</b>	<b>466</b>

\* In the above table, "Flexible" refers to assignments in the non-core countries of Belarus and Kosovo, but does not include Flexible assignments conducted within core countries (which are accounted for in the respective country totals).

Over the five years of Farmer-to-Farmer (F2F) implementation in the Europe, Caucasus and Central Asia region (ECCA), CNFA expanded its focus considerably from original plans and generated significant impact for hosts across seven countries: Belarus, Georgia, Kosovo, Moldova, Tajikistan, Ukraine, and Uzbekistan. This expanded focus afforded CNFA the opportunity to impact the development of key agricultural value chains throughout the former

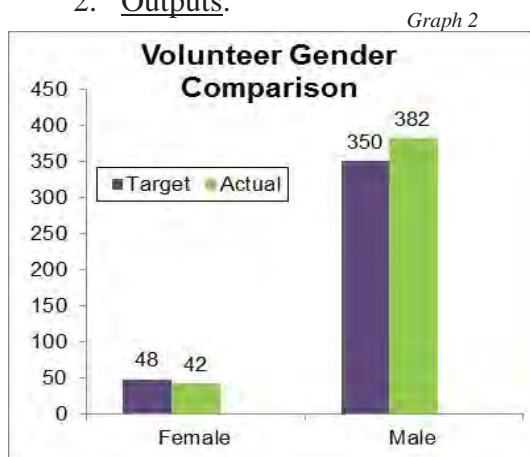


Graph 1

Soviet Union (and Kosovo), achieving significant impact in each country. CNFA's value chain focus includes fruit and vegetable (F&V), dairy, and livestock country projects in Georgia, F&V and dairy projects in Moldova, F&V and dairy/livestock in Tajikistan, F&V in Uzbekistan, and a dairy country project in Ukraine. Four-hundred-and-twenty-four volunteer assignments were completed in support of these value chains and flexible projects, exceeding target by

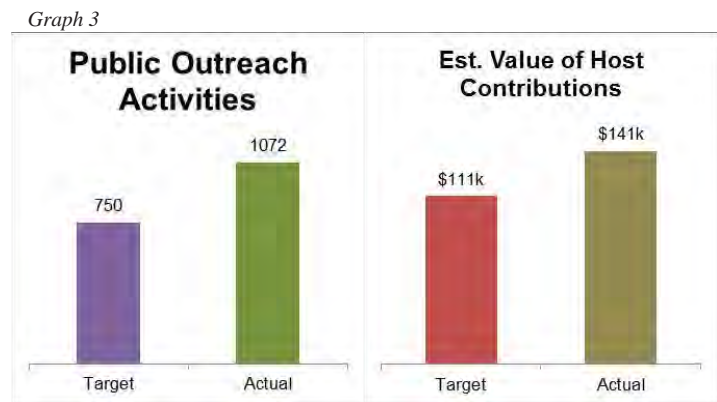
26 assignments and representing a completion rate of 107%. An additional 42 assignments were completed for associate awards in the ECCA region under the F2F LWA, bringing the grand total for all F2F assignments in ECCA to 466. The breakdown by country appears in the table above and target versus actual comparisons are in the table to the left.

2. Outputs:



Over the course of the program, CNFA endeavored to increase female participation both in terms of volunteers fielded and females reached/included in trainings in the field. Volunteers directly assisted over 18,832 agricultural professionals, of which nearly 5,578 (30%) were female. Thirty-one percent of all people trained were women, accounting for 3,566 of the total 11,684. As the graph to the left indicates, a total of 42 (10%) assignments were conducted by female volunteers fielded over five years, six short of our target of 48 assignments. This was an improvement over the same indicator from the mid-term reporting period, when 8% of assignments were conducted by women. The remaining 382 assignments were conducted by men LOP.

Cumulatively, volunteers leveraged over \$3.0MM on assignments. An additional \$1.58MM in resources were leveraged by volunteers in the US from pre- and post-assignment activities. Furthermore, approximately \$140k was contributed by F2F hosts over five years; the average contribution of hosts over the LOP was just over \$26k. The total cumulative amount of funds leveraged totaled nearly \$4.72MM, besting the target of \$4.275MM by over 10%. The estimated value of resources mobilized by hosts in the ECCA region totaled \$9.3MM, meaning that the entire amount of funds leveraged by hosts and volunteers totaled just over \$14MM LOP.



Outreach efforts included 145 press releases, 518 media events, and 409 group presentations, totaling 1,072 activities, 143% of target. Collaboration with local USAID Missions and local government entities and program outreach were key considerations for CNFA’s F2F work in ECCA. CNFA worked directly with USAID to design F2F associate awards in Belarus and Georgia, and a significant number of

volunteers to Tajikistan worked in direct support of additional USAID-funded projects. CNFA developed and furthered strong relationships with USAID Missions in Moldova and Uzbekistan in particular, and Mission staff participates in debriefing sessions for nearly all volunteers to Georgia. Volunteers to Georgia, Moldova, Tajikistan and Belarus were fielded to state-funded universities in support of education, research and extension efforts on national and regional levels. F2F volunteer work in Ukraine contributed to national legislative reform in the grain

industry. CNFA also fielded several assignments supporting national and regional Ministry of Agriculture initiatives in Belarus and Georgia, with the Belarusian Minister of Agriculture providing a letter of support to CNFA in recognition of our work in that country for the last 14 years.

Program outreach, both in the field and in the US, steadily increased over the life of the project. F2F staff in several countries developed strong relationships with local media outlets, and volunteer assignments, recommendations, and program events were regularly broadcasted on television, websites, and through newspapers, agricultural magazines and other relevant media. This local outreach, as well as strong collaboration with local partners throughout the region, afforded the program a wider audience, allowing for better host selection and enhancing the spread effects of volunteer recommendations. CNFA's outreach activities in the US support F2F's secondary goal of enhancing the public's understanding of US development efforts overseas.

In the closing months of the program cycle, CNFA undertook two specific outreach initiatives as a way to help USAID focus on Goal 2 of the program: increasing the American public's understanding of international development issues and programs. The initiatives are not CNFA specific and can be used by all current and future implementers as a way to raise awareness of the program and its goals. Both initiatives will help Farmer-to-Farmer gain favorable media coverage in addition to providing an opportunity to showcase the program's story through video.

- CNFA produced two F2F videos, each focusing on different aspects of the program. The first video was an overview of the Farmer-to-Farmer program, discussing program objectives and how it incorporates American volunteers. The second video focused on the recruitment of Farmer-to-Farmer volunteers. The video was specifically designed so that a former F2F volunteer could forward it to potentially interested parties to see if they would be interested in volunteering for the program. For the video, CNFA interviewed six volunteers with extensive F2F experience and exposure who spoke about their assignments and the personal impact it had on them.
- CNFA also worked with the producers of America's Heartland, a magazine-style half-hour series produced by KVIE in Sacramento, California. The TV show features American farmers and ranchers who share their passion for hard work and products, as well as their commitment to food safety, sustainability, environmental stewardship and animal welfare. America's Heartland has aired more than 150 half-hour episodes in all 50 states in addition to international locales. CNFA worked with KVIE to feature an F2F volunteer in a 5-7 minute segment. KVIE was responsible for interviewing the volunteer in the U.S. while CNFA provided supplemental footage including interviews with the hosts in Kenya and Moldova for KVIE's use.

Technical manuals and other documents and presentations are often created by volunteers and customized to local conditions. One example is the Strawberry Production and Integrated Pest Management manual created by a volunteer specifically for a grower in Moldova. These sources of information are sometimes applicable for hosts living in different countries within the region. Please see Annex C for a list of manuals and other materials generated as a result of assignments.

3. Outcomes/Impacts:

Graph 4

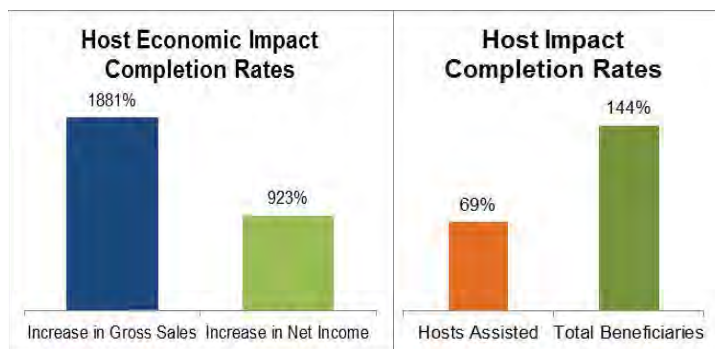


CNFA’s implementation efforts generated strong impact in each of the seven countries. Graph 4 illustrates some of the completion rates reached as a result of volunteer work directly in the field. A total of 6,962 volunteer days were completed, 110% of the target of 6,342. Host contributions totaled \$140k over five years, 126% of the target of \$111k. The target of nearly 13,600 people directly assisted was a lofty goal, yet the aggregated

total for the region was over 18,800, representing 139% of the target figure. CNFA doubled the percentage of target number of women that were directly assisted; the target figure of 15% (2,053) was doubled with a total of 5,578 women directly assisted.

Graph 5 shows impact generated both during volunteer assignments as well as after conclusion of assignments. Increase in gross sales is a strong indicator for measuring the business impact that volunteers helped the hosts generate. Over five years, volunteer technical recommendations enabled hosts throughout the region to increase gross sales by \$53.3MM, far beyond the target of \$4.3MM. For agricultural associations, cooperatives and other entities that are not private enterprises, the analogous indicator is “increase in annual revenues.” CNFA’s results again surpassed target, helping cooperatives and associations increase their revenues by nearly \$2.1MM, far exceeding the target of \$140k. The large degree to which targets were surpassed for both the gross sales and revenue indicators is explained by the fact that country directors included some larger entities for inclusion in the program in addition to smaller ones,

Graph 5



the rationale being that inclusion of larger companies and entities creates substantial spread affect for all the businesses, suppliers, employees (for companies) and members (for cooperatives/associations). A total of 200 out of a planned 290 hosts were assisted over five years. As implementation progressed, CNFA discovered that in general, the best approach to addressing the sustainability of each host was to focus volunteer assignments on a smaller number of hosts but to ensure those hosts received sufficient technical assistance to achieve desired results. The average number of assignments per host LOP was 2.12; had CNFA achieved the target of 290 hosts, the average would have been less than 1.5 assignments per hosts. A total of 1.39 million beneficiaries were reached over five years, surpassing the target by 44%. For a complete accounting of all indicator tables, please reference Annex A.

**LOP Assignments: Targets, Gender Disaggregated Actuals,  
and Estimated Volunteer Cost per Day**

Country	Actual LOP Volunteer Numbers as of 9/30/13			Estimated Volunteer Cost per Day
	Male	Female	Total	
<b>Georgia</b>	113	16	129	\$1,004
<b>Moldova</b>	113	15	128	\$902
<b>Tajikistan</b>	59	3	62	\$1,302
<b>Uzbekistan</b>	14	2	16	\$1,543
<b>Ukraine</b>	40	2	42	\$668
<b>Flexible</b>	43	4	47	
Belarus	29	2	31	
Kosovo	14	2	16	
<b>TOTAL</b>	<b>382</b>	<b>42</b>	<b>424</b>	

## B. Expenditures

### Line Item Category: FY12 Expenditures

Salaries and Wages	\$1,953,425
Fringe Benefits	\$574,889
Volunteer Assignments	\$2,078,835
Travel, Transportation and per diem	\$245,163
Supplies and Equipment	\$332,372
Rent and Utilities	\$227,493
Communications	\$130,992
Consultants and other contractual	\$101,708
Other Direct Cost	\$41,857
Indirect Cost	\$1,753,255
<b>TOTAL</b>	<b>\$7,439,989</b>

The total budget of the ECCA award was \$7,490,575.00, while the total amount expended was \$7,439,989.00, leaving a balance of \$50, 586 (0.7% of the total budgeted amount).

## C. Summary of Impact and Measurement Procedures

### 1. Monitoring:

To monitor the program, CNFA made use of several key tools/documents, particularly the host profiles, trip beneficiary reports, and volunteer trip reports. Field staff worked with each host to

collect baseline values for the relevant impact indicators and then followed up periodically to track progress. For some hosts, such follow up was done approximately three months after a given assignment; for others, it was done later, depending on the expected timeframe for a host to be able to implement a volunteer's (or a series of volunteers') recommendations. Where possible, hosts would be visited on at least an annual basis to measure progress.

Home office based staff worked closely with the F2F country directors to guide the M&E process, mostly through email/Skype/conference calls, but also during regular visits to the field. For data management and analysis, CNFA used a customized management information system linking CNFA's volunteer database with F2F performance indicators. Volunteer and host organization profiles were thus generated, linked and tracked.

In the indicator data tables there are hosts listed in Table 3 with beneficiary and/or financial data that does not include updated data. This represents the 17 hosts from which data could not be collected due to a variety of reasons, including that hosts went out of business, changed the orientation of their business or activities, or that they were unable or unwilling to provide the requested information. The decision was made to not enter any information in Table 3 as a way to ensure that the effect of their inclusion was a net zero on the overall indicator; in other words, the blank data in Table 3 indicates no change from the baseline data, ensuring that no value was created or destroyed while at the same time confirming that we account for all hosts.

Also, in relation to data included in Table 3, most of the financials collected in FY13 included only partial year figures because only eight to nine months had elapsed in the year at the time when the impact data was documented. If included into tables, the result of the partial year data is vastly decreased financial impact results. To avoid this problem, in many cases we reverted back to full year FY12 financial information. Though this is not the most current information, we felt that it was preferable to include actual full year financials rather than make financial assumptions on behalf of dozens of hosts. Information for non-financial indicators (changes in organizational, environmental, and beneficiary data) was easier to collect for FY13, but to keep consistency, if FY12 information was used for financial information from a particular host, FY12 information was likewise used for non-financial indicators.

## 2. Evaluation:

In late 2011 through early spring 2012, a team of external consultants contracted by USAID/Washington conducted a program-wide evaluation of the F2F program, including all the large F2F implementers. Some of the evaluation team members conducted field work to gain an understanding of how the program is implemented on the ground. One evaluator, Mr. Donnie Harrington, visited CNFA's home office in Washington, DC as well as F2F teams in Georgia and Moldova where he met with staff, observed volunteers in the field with host organizations, and met with mission staff and other F2F stakeholders. A number of positive observations from Mr. Harrington's visits were mentioned in the final evaluation report, such as the significant two-way information sharing between our field staff and the local missions. Even non-mission USG personnel, including ambassadors, are familiar with a number of our hosts (having visited them in the field) and their progress that is attributable to F2F volunteers and staff.



CNFA commissioned an impact evaluation of select countries to highlight quantifiable impact from the five years of the Farmer-to-Farmer (F2F) Program in ECCA region. Due to time and geographic constraints, this assessment focused on F2F core countries of Georgia and Tajikistan. The goal of this assessment was to trace the impact of volunteer assignments fielded by CNFA in the two core countries of Georgia and Tajikistan from 2008-2013. Hosts were selected by CNFA's in-country staff with hosts that, in their assessment, experienced significant changes had taken place as a result of volunteer recommendations. Overall, in comparison to F2F programs implemented by CNFA in two other regions (East Africa and Southern Africa), the evaluators found hosts in Georgia and Tajikistan to receive fewer volunteers (two on average), than other CNFA F2F regions and for the assignments to be more technical in nature. While F2F assignments are by nature designed to be iterative, sometimes the needs of hosts are fragmented. According to the evaluators, the F2F program in ECCA clearly demonstrates the beneficial effects a single volunteer assignment can have on a company's future business prospects. For easy reference, this report was uploaded to the USAID Development Experience Clearinghouse (DEC).

### 3. M & E Certification

CNFA confirms that we have: a) used established indicators and definitions; b) participated in regular (annual) workshops reviewing indicators and M&E systems; and c) trained field staff on indicators and data collection systems. The above-mentioned training sessions include extensive instruction in the collection and reporting of indicators.

## II. SUMMARY BY COUNTRY: COUNTRY PROJECTS AND CORE COUNTRY FLEX

### A. Georgia

CNFA conducted 129 assignments with 77 hosts in Georgia, with assignments primarily split between the fruit & vegetable, dairy, and livestock country projects. It is notable that, unlike other countries in the ECCA region, the dairy and livestock country projects were distinct in Georgia.

Georgia Volunteer Assignments							
Value Chain	Y1 Actual	Y2 Actual	Y3 Actual	Y4 Actual	Y5 Actual	LOP Target	LOP Actual
Fruits and Vegetables	15	14	17	20	17	79	83
Dairy	4	7	3	4	3	23	21
Livestock	2	6	6	3	4	20	21
Nuts	2	1				3	3
Flex (within Georgia)	0	1	0	0	0	0	1
<b>Georgia Total</b>	<b>23</b>	<b>29</b>	<b>26</b>	<b>27</b>	<b>24</b>	<b>125</b>	<b>129</b>

Volunteer work within the three primary country projects (not including the nuts project) concentrated on assisting hosts to capitalize on new foreign and domestic investment in the agricultural sector, and market competitiveness of agricultural products. Assignments addressed development of new fresh F&V, herb, cheese and meat products, as well as processing sanitation, product packaging and marketing. Volunteer assignments exceeded target by five. Gross sales and net income figures for hosts exceeded LOP targets. Gross sales for businesses increased by \$13.4MM, exceeding the target of \$1.5MM. The total number of beneficiaries increased by more than 609k LOP; the number of employees increased by 3,720 while the number of member/owners increased by 1,920, largely due to associations and cooperatives increasing their memberships.

Despite demand from nut producers in Georgia, particularly hazelnut producers, it became clear after two years that US volunteers were largely unwilling to provide TA to Georgian growers. This was primarily due to high global competitiveness in nuts production, with some Georgians actually competing with US growers. As a result, the nuts country project was ended in FY10 after just three volunteer assignments. The conflict between Georgia and Russia in August 2008 had major negative economic impacts on the Georgian agricultural and agribusiness sector, since Russia was one of Georgia's largest trading partners. Despite easing tensions after 2008, most trade embargo restrictions were left in place until Georgian elections in late 2012.

CNFA implemented an associate award under the F2F LWA called the Access to Mechanization Program (AMP), which used a commercially-sustainable, market-oriented methodology to develop machinery service providers. Building on CNFA's established nationwide presence, its ability to build U.S. consulting support through the Farmer-to-Farmer Program (F2F), and its experience developing agricultural services for farmers, the 30-month, \$5 million project used a combination of matching investments, leveraged commercial finance, business and extension training and volunteer technical assistance to establish 21 Machinery Service Centers (MSCs) that provided fee-based custom machinery services to smallholder farmers. F2F supplied 25 volunteers who greatly contributed to the success of the program over the life of AMP.

Outreach was a major focus in Georgia during program implementation. Volunteer activities and recommendations, as well as general program events, were well-covered in regional and national television programs and featured in popular agricultural magazines and publications. F2F-Georgia featured an active website where program events and volunteer recommendations were made available. This not only ensured that CNFA was able to work with influential host organizations, but also enabled the program to reach a broad audience of farmers and agribusinesses. Outreach also helped the program to reach prospective partners more effectively. CNFA coordinated with local partners to reach new host organizations and further disseminate volunteer recommendations. One of the most successful partnerships was with the Georgian Center for Agribusiness Development (GCAD). In FY11, CNFA coordinated with GCAD to provide seminars for agricultural university students. Many F2F volunteers gave lectures to GCAD during their assignments. A second notable and highly successful partnership was with the Agricultural University, Georgia's only institute of higher education for agriculture and related fields. Volunteers routinely provided topical lectures and on-site training for students and faculty.

CNFA undertook a variety of additional activities in the last two quarters of FY13 as a way to capture and document F2F's impact over five years and to provide additional services and

opportunities to hosts. A roundtable event for dairy hosts, facilitated by an F2F volunteer was held in mid-June for around 50 dairy farmers and processors. CNFA also organized an agricultural fair at the Agricultural University for several hosts, who were able to market their goods, produce, and services and make business connections. A professional photographer was engaged to document F2F hosts, volunteers in action, and to capture images and quotes from the closing events.

In order to highlight quantifiable impact from the five years of F2F in Georgia, CNFA arranged for an impact assessment designed to trace and attribute the impact of volunteer assignments on F2F hosts. The evaluator visited seven hosts in from August 5<sup>th</sup> through 8<sup>th</sup>. The hosts selected were located throughout the country and covered both F2F supported value chains of dairy and fruits/vegetables. The hosts consisted of one farm service/machinery service center, a large food processor, three greenhouses, and two cheese producers.

One notable achievement specific to Georgia was the linking of F2F hosts to Maybank International, a US company seeking to make social impact investments (primarily equity investments) in Georgia. CNFA staff supplied an investment pipeline featuring F2F hosts (and beneficiary companies from some of CNFA's past programs) to the Maybank representative and facilitated introductions with company owners. Based on initial discussions, the Maybank rep selected eight companies which he deemed attractive enough to set up further meetings. Maybank is currently performing due diligence on five of the companies and plans to make investments in one-to-two of them by the end of 2013. This was a pilot approach by CNFA by linking interested companies with social impact investors who often don't have the expertise or knowledge to identify suitable companies. Implementation of F2F is perfectly suited to identify companies which would be eligible and interested in this type of arrangement. CNFA will continue to explore the utility of performing this matchmaking role in the future.

### 1. Fruits & Vegetables (F&V)

In total, 83 assignments were fielded in the F&V sector over five years working with 48 host organizations, nine of which were owned by women. The breakdown of assignments in this country project is as follows:

- 26 assignments were accomplished in marketing/management strategy improvement
- 20 assignments in greenhouse vegetable growing technology improvement
- 5 assignments in soil testing
- 4 assignments in oyster and button mushroom production
- 2 assignments in salad production
- 4 assignments in orchard setup and cold storage management
- The remaining 22 assignments covered corn, bay leaf, sunflower, watermelon, asparagus, berry, garlic, strawberry and potato production

Volunteer work in the F&V sector yielded positive results for the hosts receiving F2F volunteers. Annual sales for hosts increased by \$7.2MM. More than 2,400 additional jobs were created over five years, and the client base of F&V hosts increased by nearly 182k. Following is a description of some of the more impactful thematic assignment groupings that led to notable host successes.

### *Mushroom Production*

Demand for mushroom production is increasing in Georgia because of their high consumption during religious fasting seasons, when many people forgo meat. Three host organizations were trained in compost preparation for button and oyster mushroom production, mushroom inoculation technology considering sanitation issues, mushroom production technology (temperature and humidity control), and sanitation/food safety issues. The three hosts combined produced 18 MT of mushrooms per year and their sales increased by an estimated \$228k since the initiation of their involvement with F2F.

### *Greenhouse Production and Management*

F2F Volunteers specializing in greenhouse production provided a number of effective recommendations, including:

- Plant protection inputs application;
- Tomato and cucumber disease management and improvement of chemical application;
- Improved skills and practices regarding sanitation and hygiene of products;
- Client relationship management and effective network development.

Greenhouse staff were trained and gained practical experience in placing, irrigation, soil and lighting requirements for heated greenhouses, plant protection inputs, application and usage of chemicals, disease management and improvement of chemical application. The majority of assignments for hosts with greenhouses targeted growers of tomatoes and lettuce.

Notable successes from hosts in the F&V country project include:

- Kalata Services, a food distribution and sales company, requested assistance in marketing and business strategy to increase revenue and expand its customer base. F2F provided three volunteers who provided technical assistance on adoption of modern sales techniques, product promotional strategies, operational planning and standardization of internal procedures. Volunteers also helped prepare managers for expansion by training staff in product sorting and packaging, as well as maximizing shelving with limited display space. As a result of these assignments, the business significantly improved its operations and its in-store sales practices. Kalata's gross sales doubled and net income increased by 400% since 2011. After implementing the latest volunteer recommendations in June 2012, the company increased sales by 35%. As a result of more efficient logistical operations, the company's expenses decreased by 20% since March 2012. Kalata also attributes a doubling of staff members to F2F assistance. Notably, women currently comprise half of the management teams and female staff members outnumber males 2:1. The company currently operates fruit and vegetable sections in eleven grocery stores throughout Tbilisi and now also supplies produce to restaurant chains.
- CNFA-Georgia assisted host I/E Sul Khan Turmanidze with the establishment of the first organized pomegranate orchard in Georgia. The host was unable to discern the most appropriate variety of pomegranate to grow considering the climatic conditions. As a result of F2F assistance, in March 2013 the host planted 5,000 pomegranate seedlings on 10 hectares of land. As of August 2013 90% of seedlings survived, which is a high percentage under the circumstances.
- Established in 2005, Alva LLC provides machinery, inputs, and veterinary supplies to farmers throughout Western Georgia. In 2009, Alva received a \$50,000 matching grant

through the CNFA implemented Agribusiness Development Authority to establish a Farm Service Center. In 2011, Alva received an additional matching grant from USAID's Accessing Mechanization Program (AMP) to establish a Machinery Service Center which provides plowing and other cultivation services to farmers. F2F volunteers enhanced the owners' ability to capitalize on these grants by providing volunteers who trained staff on livestock (cattle husbandry, diagnostics and breeding), marketing and advertising strategies, and hybrid maize production. Following volunteer recommendations, Alva managers launched a website in early 2012 and credit the website and improved advertising with the increase in clients from 6,000 in 2011 to more than 8,000 in 2012 and a doubling in sales from \$360,000 to more than \$720,000.

CNFA's cooperation and collaboration with local partners and programs significantly enhanced our work in the F&V value chain. In some instances, these organizations became secondary hosts receiving volunteer TA. CNFA and local NGOs such as the Georgian Center for Agribusiness Development (GCAD) symbiotically benefited from mutual collaboration. The Georgia Agricultural University (GAU) hosted seven volunteers, many of whom prepared special seminars or presentations for students and/or faculty on topics ranging from greenhouse vegetable production to greenhouse management to management and marketing best practices. Numerous visits to host organizations were organized for our USAID point of contact in the local mission, as well as for the mission director and agricultural officers.

Collaboration with the USAID supported New Economic Opportunity (NEO) program yielded positive results for both programs since September 2012 when an MOU was signed. F2F volunteers provided technical assistance to NEO beneficiaries, which included both internally displaced persons (IDPs) and local farmers. CNFA also collaborated closely with USAID's Economic Prosperity Initiative (EPI) where F2F volunteers spent time sharing modern techniques for vegetable production. Volunteer TA was also provided to beneficiary farmers from a Swedish SIDA program and the local Rural Development for the Future of Georgia (RDFG) program, both of which primarily focused on raising income and living standards for IDPs.

## 2. Dairy

Over five years, a total of 21 assignments were fielded to assist hosts in the dairy sector, supporting 14 hosts, 9 of which are women owned. The breakdown of assignments in this country project is as follows:

- 8 assignments in marketing/management/food safety of dairy facilities
- 12 assignments in new product development (specifically mozzarella, gouda, blue cheese, feta)
- 1 assignment on new product development in a ready-to-eat food production plant

Nine volunteers trained dairy plant owners and their staff in a wide variety of dairy processing practices, customized to the size and specific conditions of each facility. Training on sanitary standards was also a popular topic for hosts in the dairy value chain. Demand on the local market for mozzarella and gouda cheese consumption has increased over the last five years due to the opening of Western style restaurants and hotels, whose standards are high, as well as due to the

burgeoning tourist industry in Georgia and expanding tastes of Georgians themselves. The adoption of these previously unfamiliar cheeses was relatively simple for Georgian producers as production is similar to the local Sulguni variety. Hosts were trained on storage (ripening/maturing) technology and introduction of new soft and hard cheeses to consumers who were unfamiliar with them. As a result of volunteer recommendations, hosts diversified their cheese production by introducing a total of three (gouda, mozzarella and parmesan) new soft and hard cheeses into the local market. A number of challenges remain for producers, primarily the lack of consistent quality and supply of milk, especially in warmer months.

Annual gross sales increased by \$966k as a result of F2F assistance. Employment creation was a hallmark achievement during implementation, with hosts adding nearly 400 new jobs in the agricultural sector, far surpassing the target of creating 93 new jobs.

Notable successes from hosts in the dairy country project include:

- Founded in 2012 with the help of a grant from Mercy Corps, Tsalka Dairy Products processes more than 3,500L of milk per day, producing 410/day of the popular sulguni and imeruli cheeses. Milk is purchased from more than 300 local farmers and their cheese is sold in the popular tourist city of Batumi. Tsalka Dairy Products contacted F2F about receiving volunteer technical assistance to expand their product lineup to include mozzarella and improve their sulguni and imeruli production. The volunteer's recommendations focused on proper cheese cutting to reduce losses, not spoiling whey to increase quality of butter, mozzarella production, proper sanitation of equipment and the introduction of an improved rennet variety to speed up the cheese ripening process. As a result of following the volunteer's recommendations regarding cutting and cooking, yields have increased 4%. In addition, cheese production has increased from 410kg/day to 450kg/day, representing a \$192 increase in income per day. Furthermore, Tsalka is now able to sell 25kg of butter per day, representing an additional \$90 in income.
- Santa LLC is a woman-owned commercial dairy farm founded in 1997 and owns more than 200 Schwitz breed dairy cows. After receiving a grant from MCC's ADA program, Santa built a modern cheese processing plant and currently produces six types of cheeses from more than 2,500L of milk per day, which are sold in upscale shops and supermarkets. Santa contacted F2F to receive volunteer technical assistance in HACCP and gouda cheese production. The first volunteer focused on training staff in Good Manufacturing Practices (GMP) and Sanitary Standard Operating Practices (SSOP) essential to becoming HACCP certified; the second volunteer trained their staff in gouda cheese making, which it now produces at 100kg per day. As the only domestic producer of gouda, Santa sells their cheese to Carrefour, resulting in increased sales of \$1,080 per day. The volunteer also taught Santa to add and utilize Dannisco rennet to increase sulguni's stretching, and as a result, Santa has seen a 15% increase in cheese yields.

- I/E Tsezari Kakhadze, a small-scale cheese producer, requested technical assistance from CNFA in October 2012 for advanced cheese making techniques. In January 2013, an F2F volunteer visited the production facility and addressed the lack of understanding around the chemical processes that take place and the importance of sanitation and milk pasteurization. As a result of the volunteer's recommendations, the plant now produces up to 500 kilos of cheese daily (up from 300 in 2012) without incurring losses that were once caused by poor handling of milk. Also, prior to F2F assistance, the facility is now able to produce 27 kilos of cottage cheese per day from the excess whey curds that are a by-product of cheese making. This represents additional income and with the additional profits, the plant owner is planning to expand his production, generating an anticipated five new jobs at the facility.

*By being able to produce and sell the whey curds, the cheese plant is able to break even by selling only curds. Now income we generate from Sulguni production is my net profit."*

**Owner of Tsezari Kakhadze cheese production facility**

Despite progress in the dairy sector since 2008, a number of challenges remain for producers and processors, namely the lack of fresh milk supply due to inadequate collection systems. The general lack of milk produced for sale also limits domestic supply, constraining processors' ability to locate milk and forcing the continued import of powdered milk, which is insufficient for cheese making.

CNFA's partnerships with other programs, initiatives, and Georgian institutions greatly enhanced success in the dairy country project. As with F&V hosts, collaboration with the Georgian Center for Agribusiness Development (GCAD) heightened volunteer impact as volunteers trained students on a variety of dairy production techniques, sanitation standards, etc. F2F staff worked closely with the CNFA implemented Rural Economic Development (RED) program, funded by the Swiss Agency for Development and Cooperation. . CNFA also organized a variety of events for USAID mission personnel over the five year program cycle, including a tour organized specifically for the USAID/Georgia mission director at Santa, a dairy processing facility.

In June 2013, F2F and RED co-organized an event aimed at promoting dairy products in the Tsalka district. One F2F volunteer made a presentation on the importance of commercial dairy farms and rural milk processors as the key drivers of dairy sector development. A total of 50 dairy farmers and processors attended the event, as well as the Georgian Minister of Agriculture, a representative from the Ministry of Regional Development and Infrastructure, and district and local government representatives. Given the attendance of the Minister of Agriculture and other officials, the event received significant press coverage on Georgian TV and in newspapers.

### 3. Livestock

A total of 21 assignments were fielded to provide technical assistance to 16 hosts in the livestock value chain.

- 6 assignments in veterinarian consultation
- 5 assignments in artificial insemination/embryo transplantation
- 2 assignments in slaughterhouse operation

- 4 assignments in meat processing
- 4 assignments in bio feeding production, swine farm establishment, and bloodless castration of bulls

Georgia boasts a growing livestock production and processing sub-sector, but a number of key weaknesses constrains development, namely a lack of adequately trained veterinarians and animal protection products, poor animal nutrition, lack of adequate housing (particularly in winter) and herd management, and poor breeding practices. In this context, CNFA identified volunteers that addressed these problems and generated notable impact with some firsts in the livestock sub-sector.

Assignments focusing on artificial insemination and transplantation of embryos were popular and impactful during the course of the program, with a total of five assignments addressing this critical need during the course of the program.

- For example, in April 2013, a volunteer trained a number of veterinarians and producers on artificial insemination (AI) practices, including a complete review of rationale for (AI) and the importance of using the proper breeds. During the training, veterinarians and producers enthusiastically participated and interacted to overcome doubts and were committed to start inseminating cows with Hereford semen imported from United States. These offspring will create a crossbreed with higher meat quality as well as resistance and adaptation of native cattle.
- Also in April 2013, two F2F volunteers working together visited G&G LLC to assist the owner in improvement of pig genetics. As part of this assignment, 15 straws of frozen semen (Chester, York, and Hampshire) were imported from USA. During the assignment three sows were inseminated. Two sows had successful gestation period and as of September 2013 both sows produced 17 piglets.
- A volunteer who trained hosts in artificial insemination returned to introduce embryos transplantation to Georgia, a first for the country. The embryos and all the necessary transportation equipment were donated by a second return volunteer, a contribution in excess of \$100,000 in addition to providing ongoing technical assistance to the host post-assignment. Multiple embryos were transplanted into cows in farms all throughout Georgia; the calves are expected to be born in February 2014.
- One F2F host, Metskhoveleobis Bazari doubled its client base to 7,500 since 2012 and increased the number of cattle in the market by 30% as a result of volunteer recommendations. This growth allowed Mr. Gelashvili to increase his number of staff by 150% and increase wages.

Three meat processing assignments took place LOP, with volunteers addressing critical issues such as sanitary best practices, introduction of new products through new meat cuts, and improved sausage making techniques.

- Gurmani is a meat and food processor specializing in traditional Georgian food such as khinkali, kebabs, meat pies, ground meat and kebabs. In 2009, Gurmani contacted F2F to receive volunteer technical assistance to help it achieve its goals of business expansion through improved meat processing technologies and to offer higher value products to Georgian consumers. CNFA organized two volunteers to assist Gurmani; the first addressed improvements in the sanitation and operational efficiency of Gurmani's



processing system as well as the introduction of new product lines to improve market leadership, marketshare and profitability. The second volunteer introduced new meat cutting techniques and technologies to increase profitability and variety by providing demonstrations to Gurmani's butchers on proper meat cutting and handling. As a result, the owner stated that product waste reduced from 20% to 10% and that he is now able to sell their products in markets further away. Improvements in operations led to increased production, resulting in a 30% increase in meat purchased from local farmers. In addition, Gurmani added 22 new employees, bringing their total to 52, and added a second shop in a nearby suburb.

- Meskheti Products, a meat processor, hosted a volunteer in 2011 who trained staff in improving the sausage making technology. Meat handlers and technologists gained knowledge and practical experience in making a large variety of sausages. The volunteer made recommendations on plant operation and sausage making procedures, and improved skills and practices of sanitation and food safety. After the assignment, company sales increased from \$960,000 in 2011 to \$2,040,000 in 2013 and their production volume of meat production and processing increased from 7.2 MT to 420 MT per year.

As in other country projects, CNFA partnered with the Georgian Center for Agribusiness Development (GCAD) on three livestock related assignments LOP, with volunteers covering topics from phases of the US meat processing industry to the US meat processor regulatory environment to marketing and promotion of meat products. There was also important collaboration with the Swiss supported Alliances KK project, which works in the beef, sheep and dairy sectors in the Kvemo Kartli region of Georgia, which aimed to improve the livelihoods of poor farmers who are dependent on livestock through working with key private sector players in the livestock sector. Four F2F volunteers provided technical assistance to a shared host on slaughterhouse management.

#### 4. Georgia: Nuts

As previously discussed, the nuts country project was closed in Year 2 due to the lack of interest from US volunteers, who felt threatened by competition from Georgian nut producers. Three assignments were completed in FY09-10.

The host Ecopex, a hazelnut grower, hosted a volunteer who addressed plant protection practices, proper irrigation and fertilizer usage, farm maintenance and harvesting technologies, and the business case on acquisition of additional hazelnut farms.

A second host, Geonut, was also a hazelnut grower who hosted a volunteer that advised the owners on advanced farming and harvesting practices, and modern primary processing technologies to minimize labor and hazelnut wastage.

#### 5. Georgia Flex Assignments

Only one flexible assignment was fielded in FY11 for fruit tea production and processing. The assignment with Geoplant concentrated on fruit processing and drying techniques, production

storage, product packaging and transportation. Geoplant developed a new tea product and consequently increased its income and number of clients. The lack of flexible assignments in Georgia is indicative of the intense focus on the three active value chains (excluding nuts after Y2) during the life of the program.

## B. Moldova

CNFA conducted 128 out of 125 planned assignments with 52 out of a planned 73 hosts in Moldova. Details are provided per country project below. Volunteer assignments in Moldova concentrated on improving production and processing practices and enhancing competitiveness on domestic and export markets. The host mix in Moldova was diverse, including input suppliers, farmers, greenhouse operations, dairies, financial institutions, and universities.

Moldova Volunteer Assignments							
Value Chain	Y1 Actual	Y2 Actual	Y3 Actual	Y4 Actual	Y5 Actual	LOP Target	LOP Actual
F&V	12	18	17	23	16	77	86
Dairy	3	9	10	7	11	48	40
Flex (within Moldova)	0	2	0	0	0	0	2
<b>Moldova Total</b>	<b>15</b>	<b>29</b>	<b>27</b>	<b>30</b>	<b>27</b>	<b>125</b>	<b>128</b>

Over the past five years, CNFA conducted 128 assignments in Moldova, working with two value chains: fruit and vegetables (F&V) and dairy. Even though at the project planning phase the assignments between the two value chains were almost equally split, the dairy value chain showed a considerable decrease in the first years in Moldova, primarily because of severe droughts, and as a consequence, farmers were slaughtering their dairy cattle due to the lack of available feed. The targets were readjusted in year two. Closer to the end of the project, the dairy industry started showing improvements, and in the fifth year of the program, the volunteer assignment numbers were equally split between the chains. CNFA was proud to be one of the only international NGOs addressing challenges in the dairy sub-sector, though it had begun to receive some governmental assistance. Eighty-five assignments were conducted for F&V hosts, 40 for dairy hosts, and three for flexible hosts. CNFA provided volunteer technical assistance to 52 hosts: 21 dairy, 28 F&V, and 3 Flex (a swine producer and almond producer).

Volunteer technical assistance helped generate an increase in gross annual sales of \$7.73MM and spurring an increase in employment of nearly 10,800. Over 3,840 people were trained directly by F2F volunteers, indirectly assisting an estimated 11,520. About 60% of these beneficiaries were reached under the F&V country project and roughly 40% under the dairy country project.

CNFA maintained strong collaborative relationships with a variety of organizations, educational institutions, and government agencies during the program cycle. CNFA's close relationship with the local USAID mission resulted in F2F's support of the mission's agriculture priorities: working with clusters of industries, including micro-enterprises in high-value agriculture, to help increase the private sector's competitiveness in regional markets. One contribution to the

mission's country goals included collaboration with the Agriculture Competitiveness and Enterprise Development (ACED) program. CNFA interacted regularly with Peace Corps volunteers and staff, pairing F2F volunteers with Peace Corps volunteers working in agriculture.

Public outreach was also a significant component of CNFA's implementation of F2F in Moldova. The program produced dozens of press releases, success stories and newspaper articles for the local media. These articles were disseminated through local newspapers, news websites, television broadcasts, and radio. The American Chamber of Commerce in Moldova also regularly published information on the program in its news bulletin. In addition to these publications, CNFA also disseminated information on new volunteer assignments, program successes and upcoming activities on the CNFA-Moldova website. The website was instrumental in receiving feedback from project beneficiaries, as well as attracting new hosts.

In FY10, CNFA began implementing in Transnistria, Moldova's breakaway republic. A total of seven assignments were fielded in Transnistria LOP. In FY10 alone six assignments were conducted there, including one full volunteer assignment in strategic and business planning with the Capital Consulting Company, and five additional one-day training sessions for local farmers and the consulting company owners. Despite some initial concerns about working in this "frozen conflict zone," volunteer experience and impacts were quite positive, and CNFA was pleased to continue providing rare foreign assistance in this largely under-served area. USAID/Moldova was grateful for CNFA's ability and willingness to field assignments in Transnistria, since virtually no other international NGOs were able to overcome the many obstacles to operate there.

CNFA Moldova organized several activities in the last quarter of FY13. Two field days with presentations from six F2F volunteers were held in July and August – one for each value chain. They were conducted on hosts' facilities (Agrodor Succes LLC – strawberry, table grapes and irrigation services, and Maximovca research Dairy Farm). The events were attended by a total of 60 farmers. The events' structure comprised presentations by F2F staff, F2F volunteers and hosts in a conference room setting, followed by a practical seminar in the field conducted by F2F volunteers. During the same events, mini-fairs were organized, where the F2F hosts had the opportunity to exhibit their produce and network with potential suppliers and buyers.

From 09 – 11 September 2013, CNFA Moldova has hosted a close-out event for the ECCA region, attended by CNFA DC representatives, and F2F teams from Georgia, Tajikistan, Belarus and Ukraine. The event consisted of presentations for successes and lessons learned, and field visits to CNFA Moldova hosts from both the dairy and F&V value chains.

On 12 September, CNFA Moldova organized an event dedicated to CNFA's 21 years of activity in Moldova, and official close-up of the Farmer-to-Farmer program, attended by the Moldovan Minister of Ag Vasile Bumacov, USAID Chisinau Office Director Kent Larson, CNFA DC officials, and CNFA Moldova past and present beneficiaries. In total, about 120 people attended the event.

## 1. Fruits and Vegetables (F&V)

In total, 86 assignments were fielded in the F&V sector over five years working with 28 host organizations, four of which were owned and/or led by women. The main areas of volunteer assistance in this country project were focused on the following subjects:

- Food Safety
- Human Resource Management
- Finance Services Development
- Feasibility Studies
- Cooperatives Development
- New Product Development
- Marketing Planning
- Strategic Planning
- Finance management
- Quality Management
- Modern production technologies
- Introducing non-traditional crops
- Harvest and post-harvest technologies

Notable host successes in the F&V value chain include:

- **Agrostoc Input Supply Cooperative:** Established by CNFA as part of the ADA program in 2001 by 15 farm stores. With the support of USAID, Agrostoc Coop now provides its 105 members not only with discounted pesticides, fertilizers, and seeds, but also with modern agricultural equipment as well as free soil testing and plant protection systems. The coop has also expanded to sell grain on both the domestic and international markets. Over the past 12 years, a total of 14 volunteers volunteered working with the cooperative's head office, board, members and clients. Thanks to F2F volunteers, Agrostoc has become one of the most successful cooperatives in Moldova. Specific successes include:
  - Over the last five years, F2F volunteers assisted the cooperative in creating a human resource management department, trainings for sales staff, a seminar for Board members to better understand their roles and responsibilities, trainings on plant nutrition techniques, and finance management skills.
  - As result of the feasibility study performed in FY08, the coop was able to prioritize its investments. Agrostoc first invested into buying its own storage facility near Chisinau, and recently, the decision was made to continue following the volunteer's recommendations and invest in building a modern grain elevator.
  - It would be difficult to separate the results of the last five years from the impacts that have been built on starting with 2001. At present, Agrostoc is a multi-million turnover input supply coop, with highly skilled staff, and sterling reputation within the entire post-Soviet territory.
- **Agro-Walters Organic Vegetables Producer:** This farm in central Moldova produces fresh, organic vegetables. During the past two years, the F2F volunteers trained farm owners and employees in low-cost irrigation practices and non-traditional crop growing.

Agro-Walters operates on a CSA-based model, delivering fresh vegetables to their customers. Started as a B2C model, currently Agro-Walters delivers their produce to four restaurants in Chisinau, and is negotiating deliveries to supermarkets. Thanks to the advice from volunteers, the company was able to manage the drought from 2012 with minimum losses, as they decreased their operating costs. The business employs local women for planting, harvesting and packaging their produce.

- Blackberry grower Rotor LLC in northwest Moldova worked with the Farmer-to-Farmer program over three years. During this time, three F2F volunteers shared their expertise in blackberry production technologies, harvest and post-harvest practices, as well as brand development and marketing. As a result, the company's sales volumes and revenues considerably increased, they hired nine new permanent workers and 15 seasonal employees, and at present are negotiating with an investor from Ireland, who wants to start a 100 hectare blackberry plantation.

One of the biggest challenges for CNFA Moldova was satisfying farmers' demand in assistance for table grapes growing. At first, the Moldova office was overwhelmed by requests from table grapes producers, but we found out that the American experts were not showing great interest in volunteering – they either expected to have paid assignments, or refused to travel at all under the reason that Moldova could become a competitor for US table grapes.

## 2. Dairy

A total of 40 assignments were implemented by F2F volunteers during the reporting period, for a total of 19 host organizations (out of which two owned and/or led by women). Dairy assignments focused on nutrition management, modern marketing techniques, farm management and barn design/development, to name a few. The main areas of volunteer assistance in this country project were directed to the following subjects:

- Milk safety and quality
- New product development (cheese, yogurt, sour cream)
- Web page development
- Veterinary services development
- Packaging and design
- Business Management
- Food Safety Practices
- Modern milk processing technologies
- Conservation agriculture (no-till technologies)
- Cow nutrition management
- Barn construction and design

Over the course of this five-year cycle, we noticed the growing sophistication of assisted dairies as hosts moved beyond requests for basic industry knowledge and began engaging in higher order management practices and intensive production.

Severe droughts affecting Moldova and the region in the first and second years of the program meant that many livestock farmers slaughtered their animals, negatively constraining farmers' income potential and setting back progress in the entire sub-sector. Over time the sub-sector

improved as local demand for dairy products increased and the government developed a strategy designed to modernize the industry. The limitations of exporting milk to Russia imposed by the Russian government initially created problems for producers and sellers, though this eased over time. Due to this, the sophistication of requested dairy assignments increased in the last two years of implementation.

Notable successes in the dairy country project over five years include:

- One of the F2F continued success was the cooperation with the International Fund for Agricultural Development (IFAD) Moldova project implementation unit. Cooperation with IFAD started back in 2008, when the USAID ADP project implemented by CNFA requested F2F Moldova to assist with fielding several volunteers for developing the Ag Loan Risk Evaluation System for the banks working with IFAD loans. During the FY09-13 F2F project phase, IFAD requested continued assistance, asking for training for bankers and support in the startup of the national no-till promotion program. The F2F volunteers played a key role in raising the professional level of the mentioned bankers, and conducted a no-till feasibility study with the aim of enlarging CPIU's customer portfolio. A total of four F2F volunteers worked with IFAD's beneficiaries over the LOP.
- Vita Lact is another example illustrating that assistance takes time before showing impact and results. F2F initially assisted the Vita-Lact milk collection cooperative back in 2001, when it consisted of only 14 coop members. Over the years, 17 volunteers have worked with the cooperative on diverse subjects, from cow nutrition, coop development, board members training, finance management to web page development and new product development. At the beginning of the current project phase, the Vita Lact grew its membership to over 400 members, and owned/operated milk collection points with adequate equipment in 13 neighboring villages. It delivered the collected milk to a local milk processor. The coop had to learn the hard way about diversifying their buyers – virtually overnight, the milk collector declared they did not need the coop's milk anymore, and 13 villages were desperate to find new buyers. The coop management came with an unexpected solution – they proposed to start processing the milk, instead of selling it to processors. F2F volunteers intervened with training on milk pasteurization practices, new product development, packaging design, web page development, and marketing and business management practices. The results of F2F volunteer recommendations are clear, as the coop now sells its pasteurized milk, sour cream, sweetened yoghurt, kefir and cottage cheese to three supermarkets chains in Chisinau, and to the Metro Cash and Carry wholesaler.
- Strapit LLC, a dairy farm in central Moldova, provides milk to a local producer of specialty cheeses and other high value dairy products. The founder of Strapit, who is a progressive farmer in the Moldovan context, first requested the assistance from F2F to provide knowledge about nutrition management to his dairy cows. "CNFA assistance helped Strapit to learn modern cow nutrition techniques," stated Mr. Stratan, general manager of Strapit, resulting in a 20% sales increase and the procurement of 98 cows. When Mr. Straten decided to build a modern biogas facility to make his operation self-sustainable, he requested a second F2F volunteer, who "helped us to decide on the design of the basic system for the biogas generation and in estimating the capital investment."

### 3. Flex Assignments

Two flex assignments were implemented in Moldova: one in swine production and management and the second in almond production technologies. Both hosts were satisfied with F2F assistance but CNFA chose to focus assignments under the two country projects in order to maximize impact in those value chains.

### C. Tajikistan

CNFA conducted a total of 63 assignments with 37 hosts in Tajikistan. This represents a 111% completion rate. Seventy-one percent of assignments fielded were in the F&V country project, while 24% were in the dairy/livestock country project. Only two assignments were fielded as flex – less than 1% of the total. Details are provided per country project below followed by a brief section on flex assignments within Tajikistan.

Tajikistan Volunteer Assignments							
Value Chain	Y1 Actual	Y2 Actual	Y3 Actual	Y4 Actual	Y5 Actual	LOP Target	LOP Actual
Fruits and Vegetables	0	8	11	13	13	39	45
Dairy/Livestock	2	5	4	2	2	15	15
Flex (Tajikistan)	0	0	0	2	0	3	2
<b>Tajikistan Total</b>	<b>2</b>	<b>13</b>	<b>15</b>	<b>17</b>	<b>15</b>	<b>57</b>	<b>62</b>

CNFA exceeded assignment totals by six, meaning that reliable hosts that successfully implemented volunteer recommendations would host up to four assignments. F2F volunteers in Tajikistan provided assistance to 37 host organizations (out of a planned 51, a 73% completion rate) over the LOP. This assistance translated to increases in gross annual sales of nearly \$516k for assisted hosts, and hosts realized increases in net annual income upwards of \$203k.

The vast majority of assignments took place in the northern Sughd province of Tajikistan, as the Ferghana Valley is the most arable and productive soil in the country (only 6% of land is considered arable). Given its importance as the country's breadbasket, USAID/Tajikistan and CNFA determined that focusing on this northern area was the best way to generate the most impact. As the USAID Feed the Future (FTF) initiative came online, Tajikistan was one of the participating countries, with a focus on the southern Khatlon region. In order to respond to evolving USAID mission priorities, CNFA identified and began assisting hosts in Khatlon in 2012, while continuing to assist hosts in the north. A total of 45 (71%) assignments were fielded in Sughd province, nine (14%) were fielded in Khatlon, while the remaining nine assignments (15%) were fielded in and around Dushanbe.

CNFA organized a variety of additional activities in Tajikistan to provide additional services to volunteers and to capture the impact and success of F2F in the country. Three field days were organized where multiple hosts were brought together by CNFA to attend trainings led by F2F volunteers and where hosts had the opportunity to network with each other, share successes and discuss lessons learned from their exposure to volunteers. Two field days were organized for

F&V hosts in Sughd Province and a third was organized in Khatlon for dairy/livestock hosts. One evaluator visited six hosts from 30 July - August 4 2013 to gain a deeper understanding of volunteer TA on hosts in Tajikistan. The six hosts selected consisted of three apricot producers, one beverage company, a greenhouse operator and an apricot producers' association. Hosts were all located in Sughd province. Additionally, CNFA contracted a photographer to document field days and hosts.

### 1. Fruits & Vegetables (F&V)

During LOP F2F Tajikistan implemented 45 assignments in the Fruit and Vegetable value chain and worked with 31 primary host organization as well as 93 secondary hosts, benefiting 5,000 direct and about 56,000 in direct beneficiaries. Individual host projects in the F&V country project utilized multiple volunteers to strengthen host capacities in complementary areas, such as orchard production and irrigation design. The breakdown of F2F assignments in F&V is as follows:

- 14 assignments for orchard management (pruning, grafting etc.)
- 8 assignments for irrigation methods (drip irrigation, micro sprinkler irrigation, etc.)
- 18 assignments for pest management and disease control
- 4 assignments for greenhouse management
- 6 assignments for tomato and cucumber husbandry
- 1 assignment for cold storage facilities
- 14 assignments for post-harvest handling
- 6 assignments for strategic and business planning
- 2 assignments for best options to enter the targeted market
- 2 assignments for product promotion practices
- 6 assignments for management and marketing
- 2 assignments for small scale processing

Lack of knowledge on modern irrigation practices (specifically drip irrigation) continues to be a large constraint to fruit and vegetable growers throughout Tajikistan, even though the need is great. To complicate matters, reliable, affordable, and appropriate irrigation inputs are largely unavailable to farmers. Also, due to the considerable differences in the types of F&V production practiced in the US and Tajikistan, CNFA at times experienced difficulty in recruiting new volunteers with the required qualifications. As a result, assignments focusing on apricot production were limited to one-to-two assignments per year.

Notable successes from hosts in the dairy country project include:

- The producers association "Dary Prirody Tajikistana" is made up of 160 small and medium sized farms that focus predominately on apricot production. The main source of income for association farmers is the sale of fresh and dried apricots; approximately 20% of apricots are sold in fresh markets and the remaining 80% dried and packaged for sale. In summer 2010, the association indicated their interest in receiving technical assistance via F2F, expressing the need for improved orchard management to reduce diseases and improve yields, as well as improved water usage. Three volunteers were fielded on a total of four assignments for association members. Assignment topics included:



- Pest management and disease control of the apricot orchards with an emphasis on improving quantity and quality (to an average of 50 participants per seminar)
- Proper pruning techniques of older trees, integrated pest management (IPM) and spraying techniques to limit the damage that insects cause to the trees.
- Training members in modern and high grade apricot pruning, demonstrating non-expensive means of controlling pests and increasing the overall production and quality of apricots produced
- Demonstrating proper care for orchards in the non-producing autumn period
- Grafting demonstrations to produce higher yielding, disease resistant varieties.
- Designing a micro-sprinkler irrigation system, providing layout and cost estimates, and presenting the principles of irrigation and micro irrigation to association farmers.

*“I thought I was doing everything right, but after the volunteers came, I’ve changed 80% of my farming approach. Now my yields are double and I’m producing higher quality apricots which command a higher price.”*

**Zokidov Dekhan Farm Owner**  
**(member of Dary Prirody Association)**

As a result of volunteers’ training on proper pruning and pest management, association members reported an average decrease in losses from 60% to 25% (the 25% loss was primarily attributable to lack of available water). The association reported increased sales to the Tajik Fruit Company from \$155,676 to \$195,509<sup>1</sup> after implementing volunteers’ pruning techniques and one association member stated that their yield doubled and sales increased by 50-75%.

- Ten farmers who hosted F2F volunteers were successfully nominated by CNFA’s country director for participation in the Open World Program financed by the US Library of Congress. The 10 farmers, spread between three groups, spent two weeks in the US visiting their US counterparts in different states all over the country. During their trips, farmers learned about agriculture diversification, irrigation and modern marketing techniques. CNFA staff found the Open World opportunity to be a useful motivator in securing commitment from hosts to be open to volunteer TA.
- Three hundred students of Engineering-Technologic Faculty of Khujand Polytechnic Institute of Tajik Technical University participated in F2F organized trainings/seminars conducted by F2F volunteers.
- Farmers in Isfara and Asht districts installed drip irrigation systems in their orchards; the irrigation systems were installed on a total of five ha. This is a first in post-Soviet Tajikistan, where irrigation standards are extremely low. Our hope is that since the environment is ideally suited for drip irrigation schemes, these plots will serve as examples for farmers in surrounding areas.
- 150 farmers received training in two Open Field Days organized by CNFA in late August/early September 2013, just prior to conclusion of the program. Volunteers covered topics such as orchard management (grafting, pruning, pest and disease control), drip irrigation, and small-scale fruit and vegetable processing.
- One F2F volunteer helped the owner of Amir Dehkan Farm to write a grant proposal to receive funds for construction of a cold storage facility in Asht district (Sughd province). The owner and other 12 farmers organized OJSC Apricot & Co and received a grant for \$30,000

<sup>1</sup> The association manager indicated that these were the “official” numbers and that in reality sales had increased significantly more.

from USAID's PRO-APT program. The funds covered approximately 25% of the project while the balance was invested by the shareholders. Within the six months they built the facility, one of the first modern cold storage facilities in the region. One of the shareholders of the facility is the sister of the owner of Amir Dehkan Farm, who runs another farm in Asht district. Partly as a result of her investment in OJSC Apricot & CO, she won the distinguished title of "Best Women Entrepreneur - Farakh -2012" and received prize money (equivalent to \$20,000). The contest was organized by the National Association of Business Women of Tajikistan. Follow the link below to an article:

[http://imon.tj/eng/index.php?option=com\\_content&view=article&id=1304:50-nominees-for-the-competition-qfarah-2012q-meeting-in-dushanbe&catid=1:latest-news](http://imon.tj/eng/index.php?option=com_content&view=article&id=1304:50-nominees-for-the-competition-qfarah-2012q-meeting-in-dushanbe&catid=1:latest-news)

CNFA actively partnered with USAID's Productive Agriculture Project of Tajikistan (PRO-APT) and fielded seven volunteers to shared hosts, primarily in Khatlon Province. CNFA also partnered with following local organizations, which supplied host recommendations and sometimes participated in trainings with volunteers:

- SAS Consulting
- NGO Agro-technology
- NGO Rushdi Dehot
- NGO Advisory Information Network
- NGO SOF

CNFA organized for volunteers and local agricultural extension officers to work closely together in making their orchard management and pest and disease control recommendations. One volunteer noted how Tajik extensionists tended to promote the heavy use of chemicals and were not well informed of alternative methods. The volunteer provided a perspective on the harmful effects of improperly applied pesticides and educated the farmers on integrated pest management.

## 2. Dairy/Livestock

Over the 5-year program cycle, CNFA implemented 15 assignments in the dairy/livestock country project, working with 11 primary host organizations and 40 secondary hosts. F2F assignments in this sector addressed:

- Milk processing technologies
- Sanitation and waste management/quality control
- New product development
- The basic principles of cheese making and most popular/profitable recipes
- Improving feed rations and fodder crops
- Genetic improvement through artificial insemination
- Animal health and disease control
- Strategic and business planning
- Genetic improvement through artificial insemination
- Animal health and disease control
- Modern product promotion and marketing practices
- Financial and inventory management
- Basic finance and accounting practices

Key successes with hosts in the dairy/livestock country project include:

- The Firdavsi dairy farm is a diversified operation covering six hectares, with a herd of 146 head of cattle, of which 50 are milking cows. In FY10, two volunteers worked with Firdavsi in October and January, respectively, on genetic improvement through artificial insemination, improving feeding rations and fodder crops, and animal health and disease control. Through this volunteer assistance, Firdavsi expanded production by 50%, with a corresponding 150% increase in the value of product sales within nine months after implementing the recommendations.
- Livestock farmers around Dushanbe and in Sughd Province improved their feed ratio for their livestock (particularly cows and goats), milking practices, and general farm management skills. As a result, milk production for many hosts increased by up to 30%.
- Dairy processors in Sughd province improved their marketing and management skills, started to produce new products and optimized their businesses as a result of F2F assistance, generating increases in gross sales by up to 40%.

As with the F&V country project, CNFA partnered with USAID's Productive Agriculture Project of Tajikistan (PRO-APT) and fielded 2 volunteers to dairy/livestock hosts. CNFA also partnered with the following local organizations, which recommended local hosts and sometimes participated in volunteer trainings in an effort to spread volunteer expertise as widely as possible:

- SAS Consulting
- LNGO Agrotechnology
- LNGO Rushdi Dehot
- LNGO Advisory Information Network

### 3. Flex Assignments

A total of three flex assignments were fielded in Tajikistan during the LOP. Two assignments were designed for the Association of Beekeepers of Rasht Valley, focusing on improved honey production and processing, and setting up a modern and profitable cooperative structure.

The inclusion of the Cooperative of Honey Producers of Rasht Valley came about in FY12 because CNFA staff and F2F volunteers in Tajikistan determined that association members were eager to sell their honey products in and around Dushanbe, but would first need access to an affordable laboratory in order to obtain the necessary government certifications. An F2F volunteer worked with members on an action plan that pools their collective resources and products, collecting and consolidating them at a single point in order to make the cost of transport to Dushanbe accessible to members. Once the logistical issues were sorted, on a subsequent assignment the volunteer worked with members to identify niche honey products to be sold in specialty shops and markets in the capital. Finally, the volunteer provided guidance on how women could be more active in the production process of certain processes, such as packing the honey, all the while respecting strict standards on the division of labor between men and women. CNFA staff were unable to collect updated information from the association's point of contact, and due to its remote location, it was not possible to visit them.

The third flex assignment was an assessment of agricultural input suppliers and agrodealers in Khatlon province that took place in FY13. The main objectives of this assignment was to

determine the status supply chain management, inputs and distribution in Tajikistan, since many farmers throughout the country (but especially in the south) complain of the severe lack of appropriate inputs. During the assessment, the volunteer assessed the existing input supply chain within the agriculture sector, developed an overview of the input needs of agrodealers and input distribution to smallholder farmers, identified and assessed existing agrodealers and their potential, and provided concrete recommendations on improving agrodealer management.

#### D. Uzbekistan

CNFA conducted 16 assignments (out of a planned 16) with 11 hosts (out of a planned 21) in Uzbekistan focusing in the fresh F&V sub-sector. Details are provided below.

Uzbekistan Volunteer Assignments							
Value Chain	Y1 Actual	Y2 Actual	Y3 Actual	Y4 Actual	Y5 Actual	LOP Target	LOP Actual
Fruits & Vegetables	1	2	5	4	4	16	16
<b>Uzbekistan Total</b>	<b>1</b>	<b>2</b>	<b>5</b>	<b>4</b>	<b>4</b>	<b>16</b>	<b>16</b>

Implementation in Uzbekistan was fraught with challenges from the beginning of the program. Though not originally considered for inclusion by CNFA, personnel at the USAID/Almaty regional mission were keen for CNFA to implement F2F in Uzbekistan as a way to maintain the agency's presence and to assist farmers in desperate need of technical assistance. Due to extremely strict governmental control and regulations, CNFA was unable to officially register and instead relied on sub-agreements with local contractors working in agriculture who were already registered. However, the number of reliable and technically capable local organizations that fit those criteria was exceptionally few. CNFA signed an MOU with Oasis FES in FY09, which ran through the end of FY10 and under which three volunteer assignments were conducted, after which CNFA and Oasis mutually parted ways. Operations were put on hiatus while we searched for another arrangement. Six months later in mid-FY11, CNFA signed a contract with the local representative office of the Small Enterprise Assistance Fund (SEAF), a company that conducted activities for CNFA until the close of the program. The local SEAF office was adept at navigating the complex operating environment and despite numerous challenges, this relationship helped CNFA facilitate the remaining 12 volunteers from FY11 – FY13. The arrangement with SEAF was successful, as shown in the chart above; more assignments were completed in FY11 (Year 3) of the program than in the two previous years combined.

During the second half of FY12, SEAF was informed that a new visa authorization procedure was being put into place wherein applications must be approved by both the Ministry of Foreign Affairs (MFA) and the Ministry of Justice (MoJ), whereas before approvals were only required by the MFA. Though the change in procedure was not made public, SEAF was nevertheless informed that they were not in compliance and their offices became the subject of a government inspection. During the course of the inspection, MoJ inspectors found copies of the newly created F2F program brochures, designed to increase F2F's visibility and attract potential hosts.

SEAF staff was informed that not getting prior authorization from MoJ to distribute the brochure was another transgression. Ultimately, CNFA postponed two assignments in FY12 that were awaiting approval by the MFA due to the fact that there was insufficient time to get MoJ approval before the assignments were to begin. The new process required USAID/Uzbekistan to write letters of invitation for volunteers. Even with assistance from the mission, significant additional time was built into the visa application process, and caused scheduling problems with two volunteers in FY13, whose assignments were cancelled due to delays (CNFA's plan was to exceed the planned assignment of volunteers in Y5 by one).

Most agricultural producers and processors in Uzbekistan initially participated in F2F with some trepidation due to the almost inevitable scrutiny working with foreigners would bring from the government. As a result, CNFA elected to concentrate on a smaller number of hosts and concentrate the number of volunteer TA to them, since identifying and working with new hosts proved difficult.

USAID/Uzbekistan showed strong interest in CNFA's work in the fresh F&V sector, and mission personnel were particularly helpful in facilitating closer contact with their AgLinks Plus program. CNFA sought closer collaboration with AgLinks to make use of their on-the-ground presence, and because there was natural overlap between their program goals and the abilities of F2F volunteers, but collaboration never reached the level desired. Nevertheless, we organized volunteer trainings with several of their hosts. CNFA also developed strong relationships with GIZ and the American Chamber of Commerce.

### 1. Fruits & Vegetables

The 15 assignments in the fresh F&V country project centered on greenhouse and orchard fruit production, as well as processing and export readiness of F&V crops. Methods of drying fruit (primarily stone fruits) were also a major focus. Due to the limited number of hosts and assignments and hosts' uneasiness with sharing business results, indicator data and host successes were difficult to quantify during the program. Nevertheless, it is clear that F2F activities had material impact on Uzbek hosts, as discussed below.

Solar fruit drier knowledge was in high demand. Some key results appear below:

- A new, five-member Association of Household Farmers was formed as a result of F2F volunteer's FY09 fruit drying assignment. The association saw nearly \$3,700 in extra income through implementation of the volunteer's techniques. The association's founder trained an additional 30 women in these fruit drying techniques in FY10, continuing to spread volunteer-recommended innovations.
- Host Bunyod was pleased with their volunteer's solar F&V dryer as a result of an assignment fielded in FY11, as well as the volunteer's exceptionally clear construction guidelines and instructions. At least two additional businesses adopted this model and built their own solar dryers. In collaboration with the USAID-funded AgLinks Plus project, an instructional video on constructing these solar dryers was developed and distributed among potential beneficiaries.
- Husan PF's owner worked with 2 volunteers on fruit and vegetable drying techniques using solar and electric power. The first assignment included building a solar drier using

solar collector as a source of heat, since exposure to direct sunlight can reduce taste and nutrients. The owner can now dry his fruits and vegetables in three different types of dryers, enabling him to dry his products during the entire year, both day and night. One volunteer recommended that the owner make a dried sauce which, after comparing to other locally available sauces, was much preferred by restaurants. One volunteer demonstrated the addition of water and/or tomato juice to dried vegetables increases flavor. If the owner of Husan PF can perfect the technique and properly market it, he will bring a new product to the Uzbek market.

- MPS AGRO's activities add value to vegetables by pursuing large-scale drying operations, primarily for export sale to Russia and Kazakhstan. Neither of these countries required international certificates, but were able to export using local phyto-sanitary certificates. However, the company sought to market their produce in Europe and thus requested assistance on an introduction to HACCP specifications and other food safety standards. One F2F volunteer trained MPS AGRO's staff and technicians on best practices and preparation for certifications with the eventual move of marketing products to Europe upon full implementation.
- Bactria Agro LLC is another company that dries fruits and vegetables for local consumption. The owner purchased some advanced drying and processing equipment from Turkey but was unable to run and repair the equipment, until a F2F volunteer provided the necessary training. As a result, the company has significantly expanded production and also introduced a new type of dried pepper in the market, which is so far selling well.

Orchard management assignments were also in high demand in Uzbekistan:

- The owner of Ravshanbek PF, who grows a variety of fruits, hosted a volunteer who trained on orchard management. The owner and neighboring farmers mastered two different pruning methods and three new grafting methods of, enabling all participants to decrease the pruning time from 15 days to 5 days. Ravshanbek PF now produces its own trees and even sells some to growers in the region. Due to his success after hosting the volunteer, in 2014 he plans to produce more than 1,000 apple and peach trees. Furthermore, his pruning techniques are far more efficient as a result of the lopper and grafting-knife tools donated by the volunteer.
- Gurumsaroy M, an orchard farm of about 6 hectares, benefited from the expertise of a volunteer who provided technical assistance on soil testing and agronomy. The condition of soil was in several places and tested, and the owner was trained on how to interpret the results and which actions to take according to soil test results. Natural methods of improving and maintaining soil quality were recommended to the host. Through volunteer assistance, Gurumsaroy M's owner removed all of his 30 quince trees infected with fire-blight, which saved his 4 ha apple orchard from being infected with fire-blight and eventually dying. This method was also used in another orchard located in the Vergana Region.
- Olimbek PF is a farm with approximately 1 ha of greenhouses with a large amount of citrus production. Recently the owner began lemon production but was experiencing difficulty with the specific agronomy of lemon production. A F2F volunteer trained the farmer on agronomic issues related to lemon production in greenhouses. Olimbek PF received training on the relevant agronomic subjects related to the lemon production,

most importantly sapling production. The saplings planted the previous year died as a result of a lack of specific citrus agronomic knowledge. As a result of the successful technical advice, in 2014 the owner plans to build another hectare of greenhouses, which will be built according to volunteer specifications. Furthermore, for the 2013 season saplings were produced on due time allowing the owner to maximize sales.

Greenhouse management practices were also a popular topic for hosts:

- Marco Polo PF is a private farm belonging to a larger family of companies. The farm recently established an orchard of dwarf apples and pears. Another unit constructs greenhouses and sells them to the farmers in the region. One F2F volunteer worked with the representatives of the farm and trained them on a variety of greenhouse designs and production techniques suitable to the local environment. As a result, Marco Polo's sales increased since they cater to growers who value the greenhouses, which boast proper construction materials, ventilation designs, and heat conservation.
- Abdurahmon ota PF is a private farmer who primarily grows herbs in his greenhouse, most of which are sold in the local market. An F2F volunteer trained the farmer on heating options, conservation of the heat and ventilation of the greenhouse. The volunteer helped the host to solve a perennial problem of water drops that accumulated inside the greenhouse during winter due to lack of proper ventilation.

Results of assignments in partnership with AgLinks include:

- In 2012, 15 farmers participated in trainings on how to build solar dryers and the process of drying fruits and vegetables. As a result, the Aglinks project was motivated by the idea and included solar drying technology into their implementation activities and they started supporting this type of activity with their beneficiaries across the country. By August 2013, they supported the production of eight dryers in three different regions of the country, namely Andijan, Namangan and Bukhara.
- During an orchard management assignment, an F2F volunteer met with Aglinks staff who provided CNFA with 15 manuals on pruning and grafting techniques, pest identification and pest management and grape production methods. These manuals were written in Uzbek and were delivered to various CNFA hosts.

## E. Ukraine

Starting in Y2, CNFA conducted 42 assignments with 7 hosts in Ukraine. Details are provided below.

Ukraine Volunteer Assignments							
Value Chain	Y1 Actual	Y2 Actual	Y3 Actual	Y4 Actual	Y5 Actual	LOP Target	LOP Actual
Dairy/Livestock		10	11	6	15	33	42
<b>Ukraine Total</b>		<b>10</b>	<b>11</b>	<b>6</b>	<b>15</b>	<b>33</b>	<b>42</b>

In Ukraine, CNFA had a sub-agreement with local implementing partner Bridges Business Ground (Bridges); the arrangement was initiated in FY10. One of the partners/owners of Bridges

was a former CNFA employee who worked on F2F for more than five years. Given her knowledge of the program and ability to implement F2F activities, CNFA made the sub-agreement as a way to support a sustainable agricultural development company in Ukraine, while continuing to support hosts in the dairy/livestock value chain. A dairy/livestock country project was written in Y3, shifting Ukraine's F2F status from a flexible country to core. Although F2F in Ukraine focused on the dairy value chain, three out of seven host organizations were producers of forage crops, as low quality of forage has been identified as one of the most important issues in Ukrainian dairy production sector.

The major recipients of volunteer technical assistance were Milkiland and Technological Agricultural Company United (TACU), but volunteers visited a number of other dairy and crop farms to advise on improving dairy and crop production practices. Livestock in the Ukrainian F2F context focused mostly on cattle, though sheep and pig producers also participated. Conducting specialized trainings for representatives of both host organizations and neighboring farms significantly contributed to quick dissemination of the advanced technologies shared with hosts.

In early September 2013, Bridges organized a close-out event for host participants in Ukraine. Attended by approximately 50 people, the event was designed for top managers of the host organizations and their chief agronomists/veterinarians, directors of production divisions and their deputies summarizing F2F's work with them over four years. Hosts shared their experience in learning US technologies and the results achieved from implementation of volunteer recommendations.

### 1. Dairy/Livestock

Major Topics addressed over the four year implementation period include:

- Dairy cattle herd management: Managers of host farms became familiar with milking procedures, feedlot management instructions, and calculation of the return over the feed costs.
- Dairy cattle feeding rations: Volunteers addressed the proper approaches to cattle nutrition, developed feeding rations for each of categories of cows, trained farm workers on proper feeding practices.
- Veterinary management: A major problem observed by volunteers was mastitis control. This issue was a major focus of two assignments. Also, some other issues were addressed by veterinarians, such as livestock respiratory problem. Due to poor ventilation, newborn calves were exposed to bacteria from the adult cows. This respiratory problem was solved through improving ventilation system and introducing a better vaccination program.
- Hay and silage production: The major problems observed by volunteers were a) poor soil test practices, b) incorrect crop rotations, and c) lack of knowledge in application of the fertilizers, all of which were addressed during the F2F volunteer assignments.
- Farm management: Ineffective management is identified as one of the weakest practices observed in Ukrainian farms and agricultural companies. Volunteer consultants addressed many of the issues related to efficient farm management.

Notable F2F hosts in Ukraine included:



Milkiland hosted 11 F2F volunteer experts specializing in dairy production, such as veterinarians, feeding rations experts, farm managers, and dairy cattle barn designers. Since the company also produces forage crops, from FY11 Milkiland also hosted specialists in forage crop production to improve forage quality.

- As a result of the F2F volunteer assistance, Milkiland significantly increased a scale of its dairy operation through improving veterinary practices and building new barns. Net income of the company in 2013 increased by 3.6 times compared to the result of 2009.
- As a result of two Cooperative Development assignments several dairy farmers joined the cooperative in Sumy region. The cooperatives are currently working on the new strategy that involves rendering new services to the cooperative's members.
- With the assistance of the F2F experts, Milkiland established two new cattle farms. The construction of the brand new cattle barns was finished in June 2012. The drawings for the barns were drafted using the expertise of two volunteer consultants who completed barn construction assignments in FY10 and FY11. In the FY13, Milkiland hosted a return volunteer who did a follow-up assignment and helped to improve both barns through assisting in development of the inside layout.

Shupyky farm's assignments primarily tackled increasing milk yields. Shupyky farm supplies raw milk to the Kyiv Milk Processing Plant and the plant initially requested this project for its suppliers. As a result of the volunteer assistance, Shupyky farm increased raw milk production volumes by 300,000 liters and were able to keep its position of the Kyiv Milk Processing Plant supplier as the quality of milk met requirements of the plant.

Frumushyka-Nova specializes in sheep dairy and meat production. They hosted experts in sheep artificial insemination, meat cutting practices and farm management. Although this farm hosted three volunteers in FY12 only, the results of volunteer assistance were significant as the farm increased profits by 58% y.o.y. This was possible due to improved management practices, introducing US technologies of artificial insemination and diversification of production at the farm that was recommended by the US volunteers.

Lan Dairy Farm is a successful dairy operation which achieved significant increases in production and financial results attributable to F2F recommendations.

- During the life of the project, milk yields in Lan Farms increased from 3,800 liters per cow per year to 7,800 l/cow, which is almost a 105% increase. This was mostly a result of introducing new feeding rations and improved veterinary practices.
- Implementation of the Total Mixed Rations (TMR) helped significantly increase production volumes: from 3,159,000 thousand liters in 2009 to 6,250,000 liters in 2013, a nearly double increase.

Technological Agricultural Company United (TACU) is a leader in producing forage crops including soybean and corn. The nine F2F volunteer assignments concentrated on:

- Improving soybean and corn production technologies: the major problems observed by volunteers were soil conditions and hybrid selection. After analyzing their situation, volunteers recommended conducting soil tests across production zones along with tissue. It was also suggested to conduct hybrid testing by using portion of agriculture fields.

- Improving pre-planting preparation practices: during the assignments F2F volunteers covered issues of the proper preparation of the fields for the planting. Following the volunteer recommendations, TACU tested improved genetics and reduced soybean seeding rates. The volunteer also suggested purchasing a farm combined with GPS positioning and yield mapping capabilities and practice field scouting.
- Introduction of the field scouting practices: this helped identify plant diseases at their early stage. Implementation of F2F volunteer recommendations helped TACU reduce production costs.
- 23% increase in soybean and corn production volumes was observed in TACU in 2013 compared to 2011 when the company received their first F2F volunteer.

Slavutych Private Farm is a leader in introducing no-till technologies. Introduction of advanced planting technology recommended by F2F volunteers allowed higher density of plants and, therefore, contributed to increased crop yields. This along with the increase in acreage under no-till technology contributed to increase of profitability during the 4 years of the project.

Kazatyn Meat Processing Plant hosted one volunteer that helped the plant's beef suppliers improve quality of beef. The assignment focused on the development of the beef production sector to ensure supply of beef to the plant and to expand markets for beef producers. In addition to analyzing feeding rations and development of balanced feed rations for beef cows, F2F volunteer experts provided a lot of recommendations on improvements of the beef farm layout and provided schemes of the recommended barn design. During October 2010 – February 2011, the Kozyatyn beef farm built brand new barns following the volunteers' design recommendations.

Sales of products and net income in FY13 increased in all host organizations compared to the results at the beginning of the project. This positive result was mainly achieved due to introduction of more advanced technologies or approaches recommended by the F2F volunteer experts.

During the life of the project, there were no significant implementation challenges. Due to rigorous selection of the hosts, all volunteer experts were appreciated by hosts. In turn, host organizations were also pre-selected by the criteria of their dedication to implementing volunteer recommendations and to introducing advanced American technologies at their farms. Some inconsequential challenges included:

- Finding volunteer experts in farm management. This challenge was an issues because the average size of the commercial farms in Ukraine is significantly larger than in the US, so it was necessary to recruit farmers managing 150 cows to help a company managing 3,500 cows.
- Evaluating implementation of volunteer recommendations as quite often the results are observed over the course of several years. This is particularly true for those implementing no-till technology assignments as no-till pays off in 7 – 8 years.

### III. Flexible Assignments (Outside of Core Countries)

Besides the core country flexible assignments described above, CNFA fielded 47 flexible assignments, 31 in Belarus and 16 in Kosovo. Since flexible assignments were programmed on an as-needed basis, there was no LOP target number per se, and thus there is no 'Plan' column in the table below.

ECCA Flex Assignments						
	Y1 Actual	Y2 Actual	Y3 Actual	Y4 Actual	Y5 Actual	LOP Actual
Belarus	5	10	3	3	10	31
Kosovo	0	1	4	6	5	16
<b>Leader Award Total</b>	<b>5</b>	<b>11</b>	<b>7</b>	<b>9</b>	<b>15</b>	<b>47</b>

Flexible assignments in core countries were minimized as a way to ensure that CNFA could program sufficient assignments in the two flexible countries of Belarus and Kosovo. This policy enabled CNFA to stay under the 20% flex assignment threshold stipulated by USAID (in fact, all flexible assignments in the region counted for 11% of total assignments), while also ensuring maximum impact was achieved in core countries.

#### A. Belarus

CNFA fielded a total of 31 volunteer assignments to Belarus assisting 17 host organizations over the course of five years. Fifteen volunteers, including five in FY09 and ten in FY13, were leveraged from the ECCA flexible volunteer pool. This initial work done by CNFA in FY09 was levered into a three-year associate award that ran from FY10-12. During these three years, the majority of assignments fielded and other activities undertaken in Belarus were supported by the USAID/Belarus mission's associate award (AA). A total of 10 volunteer assignments, including four in FY10, three in FY11 and three in FY12, were fielded through the AA.

CNFA's F2F activities in Belarus focused primarily on activities that strengthened hosts in the dairy and F&V value chains, specifically working with private enterprises, civil society organizations, and agricultural educational institutions:

- Twelve volunteers were fielded in support of private dairy and livestock sub-sectors and focused on train-the-trainer work to prepare local managers, experts, and consultants to spread volunteer recommendations to a wider audience (Dzerzhinsk Farm dairy health management and nutrition, artificial insemination, integrated pest management, grain corn production, SIS cow housing design (two assignments), DAK Farm dairy goat production, Biocom Pig health management, AgroBioVet artificial insemination, dairy cow housing, dairy cattle management and nutrition).
- Ten volunteer assignments were focused on the F&V sector, following associate award components for post-harvest management and value addition (SidSad Farm blueberry production, IFC food safety/HACCP, IFRD greenhouse production, Turov cannery vegetable canning technologies, CES organic farming production, Kovalenock Farm no-

till, LVT vermiculture production and marketing, Mellifera Cooperative beekeeping, and Blue Bird Farm blueberry production).

- Two volunteers worked with Grodno Regional Private Farmers' Association, a local agriculture-focused NGO, to support improved delivery of member services, association management, and advocacy.
- One volunteer worked with the Belarusian State Agricultural Academy holding training sessions for faculty and students and providing advice on research and curriculum development to contribute to the wider dissemination of improved agricultural practices throughout Belarus.
- Stoln Rural Development Fund (SRDF) developed several new products and services for its F&V clients, including a plant and soil chemical analysis service, a procurement/marketing cooperative to assist its clients in agricultural input purchases and in marketing of their produce, and a fee-based crop production consultation service. The organization also established several farm-based demonstration plots for new crop production technologies. Thanks to these volunteer-recommended innovations, SRDF expanded its client base by 47% in FY13.

Volunteers worked with 16 primary host organizations, directly assisting more than 3,150 agricultural professionals (42% women) and potentially reaching over 53,900 additional individuals including host clients, suppliers and family members. Furthermore, with F2F assistance, Belarusian hosts achieved:

- 172 innovations and technologies recommended
- 96 volunteer recommendations adopted

The Mission-funded associate award, named Farmer-to-Farmer (F2F) Program in Belarus, was a three-year initiative launched in FY10 designed to reduce citizen dependence on state support structures through growing and expanding the private sector in agriculture as well as assisting integration into international market systems. This was achieved through F2F program activities under four targeted program components: 1) increasing technical expertise of farmers and food-processing enterprises in post-harvest management; 2) generating the same types of impact for hosts involved in value-added activities; 2) increasing the expertise of NGOs in providing services to farmers and food-processing enterprises; and 4) improving the quality of agricultural/veterinarian education in Belarus.

Under the associate award, SOWs ranged from creation of an in-depth assessment of the Belarusian agricultural sector, to working with the leading Belarusian agricultural educational institutions and NGOs, to providing technical assistance to private farmers and other agribusinesses. Notable activities that took place under the AA included the completion of six conferences, five roundtable discussions, and three study tours (one to the US and two to neighboring Ukraine).

## **B. Kosovo**

CNFA began sending volunteers to Kosovo in Year 2 of the program, facilitating a total of 16 assignments. CNFA's activities in Kosovo are implemented in collaboration with the USAID

supported New Opportunities for Agriculture (NOA) project, which included planned assignments from the ECCA leader award's flexible allowance. F2F assignments in Kosovo focused on the F&V sector, working with a consortium of NOA-targeted private farms and agricultural services providers.

All of the volunteer assignments in Kosovo fell within the horticulture value chain. Key crops included lettuce, asparagus, and gherkins. Hosts comprised private farms, agricultural services providers, as well as government leaders.

Volunteer training was key in introducing Kosovar farmers to new lettuce varieties needed for extending the harvest season and meeting domestic and international demands for quality. One volunteer made a significant contribution in this regard by creating a model for small scale lettuce packaging. Low cost lettuce pre-cooling options were also provided to farmers, entrepreneurs, and NOA technical staff.

Asparagus, a new crop in Kosovo, showed great potential to increase farmer incomes according to assessments performed by NOA staff and F2F volunteers were requested to follow up on this assessment by providing a volunteer who advised on seedling nurseries site selection, proper growing techniques, and marketing issues. A training session for farmers was video recorded and then later replayed on local television.

To improve gherkin production, in FY12 a volunteer was utilized to conduct a farmer training session and a gherkin field day. Four different varieties were showcased as appropriate options for local growing conditions as well as a trellising system. By adopting recommendations, farmers achieved significant increases in yields. Normal gherkin yields in Kosovo average 10 tons/hectare but some farmers who use trellises have reached well over 100 tons/hectare. CNFA's ability to collect specific impact data was hampered by the fact that hosts in Kosovo were uneasy sharing financial and production information, so most successes there are anecdotal based on more informal conversations with hosts and from feedback from volunteers.

At the request of the Kosovo Ministry of Agriculture, Forestry and Rural Development (MAFRD), a volunteer conducted an assessment of the ministry's agricultural advisory services. As a result, recommendations were made on how MAFRD could move forward to set up an extension educator training program, strengthen the collaboration with the University of Pristina, create a web-based repository of technical documents, and, perhaps most importantly, develop a long-term financial support structure for extension Services.

#### **IV. Lessons Learned**

Volunteer work with secondary hosts and informal producers groups has increased as a result of outreach activities over the past year. Many F2F offices received regular requests for short, problem-driven site visits and one-day training sessions from farmers, agribusinesses and associations unable to support full volunteer assignments. Most assignments included at least one day of assistance to these secondary hosts, allowing the program to reach a wider audience with volunteer support.

Host organizations continue to be restricted by a lack of operational funds, and through F2F assistance focused on grant proposal development and a variety of financial development, we have learned that this type of assistance proves to be very successful and leads to very positive impact. F2F in-country staff should integrate providing information about options for access to finance on a regular basis to host organizations. This would create enormous ripple effects for each assignment accomplished.

To improve M&E practices in the region, regular host follow-up is necessary. While this becomes challenging as the number of hosts increase and their geographic reach spreads out, this component of the program is key to ensuring the success of every host F2F assists. Monitoring the implementation of volunteer recommendations and evaluating the knowledge passed on from volunteer to host in a more consistent and efficient manner will allow for maintaining positive relationships among hosts, volunteers, and CNFA.

ANNEX A: USAID STANDARD INDICATOR TABLES

Table 1A

CNFA-ECCA  
Farmer-to-Farmer  
Table 1a: Volunteer Assignment Data

Assignment (TIP) No.	Name	Sex	State of Residence	Zipcode	Occupation Category	Race/Ethnicity	Prior FZF Assignments (Y/N)	Country	Country FZF Project	Assignment Start Date	Assignment End Date	Number of Volunteer Days Completed	Value of Volunteer Services Leveraged (U.S.\$)	Estimated Value of Host Contribution (U.S.\$)	Type of Volunteer Assistance	Commodity Chain Activities	Host(s)
C-C-321	Ronald Godin	M	CO	81419	E	D	Y	Ukraine	Dairy	9/28/2012	10/17/2012	20	\$9,400	\$20	T	F	Technological Agricultural Company United (TACU)
C-C-322	Glen Erickson	M	UT	84339	F	D	Y	Ukraine	Dairy	10/7/2012	10/22/2012	17	\$7,990	\$30	T	F	Frumushyha-Nova Sheep Farm
C-C-323	David Kammel	M	WI	53711	E	D	Y	Ukraine	Dairy	10/10/2012	10/21/2012	12	\$5,640	\$100	T	S	Milkiland
C-C-324	David Eding	M	WA	98683	N	W/H	Y	Moldova	F&V	10/28/2012	11/16/2012	21	\$9,870	\$600	E	M	MoldCoop
C-C-325	Nino Adams	F	OR	97013	P	D	Y	Georgia	F&V	10/30/2012	11/16/2012	19	\$8,930	\$615	E	F	VT Agro
C-C-326	Dan Sullivan	M	OR	97333	E	D	Y	Moldova	F&V	11/3/2012	11/19/2012	18	\$8,460	\$350	T	F	AgroStoc Cooperative
C-C-327	Roy Chapin	M	OR	97101	G	D	Y	Ukraine	Dairy	11/5/2012	11/27/2012	23	\$10,810	\$80	T	F	Lan LLC (KMPP)
C-C-328	Jhilon Ortiz	M	NJ	07024	P	W/H	Y	Georgia	F&V	11/5/2012	11/20/2012	16	\$7,520	\$150	T	S	Kalata Service
C-C-329	Rick McGuire	M	CA	93221	P	D	Y	Tajikistan	D/L	11/6/2012	11/19/2012	14	\$6,580	\$130	T	F	Mirsaid Dehkan Farms Cooperative
C-C-330	Kyung H Yoo	M	AL	36830	E	D	Y	Tajikistan	F&V	11/7/2012	12/4/2012	18	\$8,460	\$60	T	F	Sartuqy Dehkan Farm
C-C-331	Brian Nammner	M	UT	84332	F	D	Y	Moldova	Dairy	11/18/2012	12/7/2012	20	\$9,400	\$550	O	S	Moldovan Center for Food Safety and Quality
C-C-332	Philip Watson	M	SC	29349	P	D	N	Moldova	F&V	11/27/2012	12/12/2012	16	\$7,520	\$860	O	M	AgroStoc Cooperative
C-C-333	Pat Murphy	M	KS	66502	E	D	Y	Moldova	Dairy	11/28/2012	12/18/2012	21	\$9,870	\$650	T	F	Notus LLC
C-C-334	Michael Perdue	M	IA	51535	F	D	Y	Tajikistan	D/L	12/1/2012	12/17/2012	17	\$7,990	\$110	T	F	Mirsaid Dehkan Farms Cooperative
C-C-335	Steve Morgan	M	ID	83686	E	D	Y	Moldova	Dairy	12/2/2012	12/20/2012	19	\$8,930	\$300	T	F	Cheesemania LLC
C-C-336	Rick McGuire	M	CA	93221	P	D	Y	Belarus	Flexible	12/7/2012	12/19/2012	13	\$6,110	\$250	T	F	AgroBioVet
C-C-337	Bobby Johnson	M	CA	95616	E	D	Y	Tajikistan	F&V	1/7/2013	1/21/2013	15	\$7,050	\$180	T	S	Yangiobod Dehkan Farm
C-C-338	Richard Leep	M	MI	49301	E	W/N	Y	Belarus	Flexible	1/14/2013	1/30/2013	17	\$7,990	\$627	T	S	Belarusian State Agricultural Academy (BSAA) -
C-C-339	Kaiton Greenway	M	WI	53704	D	D	Y	Moldova	Dairy	1/20/2013	2/9/2013	21	\$9,870	\$600	T	F	Heuveland
C-C-340	Matthew Mullanax	M	CA	93906	P	D	Y	Georgia	F&V	1/20/2013	2/9/2013	20	\$9,400	\$200	T	F	Hora LLC
C-C-341	Ashraf Hassan	M	SD	57006	E	O	N	Georgia	Dairy	1/23/2013	2/11/2013	20	\$9,400	\$600	T	P	Tezari Kakhadze
C-C-342	Bruce Williams	M	NC	28409	P	D	Y	Georgia	F&V	1/25/2013	2/13/2013	20	\$9,400	\$530	T	F	Menji
C-C-343	James Morse	M	VA	23220	F	D	Y	Moldova	Dairy	2/11/2013	2/27/2013	17	\$7,990	\$200	T	P	Technical University
C-C-344	Wayne Williams	M	CA	92110	G	D	Y	Tajikistan	F&V	2/12/2013	3/1/2013	18	\$8,460	\$180	T	F	Dodikhudo Dehkan Farm
C-C-345	Shepherd Ogden	M	WV	25425	G	D	Y	Belarus	Flexible	2/15/2013	2/27/2013	13	\$6,110	\$500	T	F	Center of Ecological Solutions
C-C-346	Mickey Foley	M	OR	97392	E	D	Y	Georgia	F&V	2/22/2013	3/9/2013	16	\$7,520	\$200	T	F	Hora LLC
C-C-347	Aboubacar Diagne	M	LA	70806	P	B/N	Y	Tajikistan	F&V	2/28/2013	3/18/2013	19	\$8,930	\$516	T	F	Shergharhat Dehkan Farm
C-C-348	Thomas Allen	M	MT	59501	E	W/N	Y	Belarus	Flexible	2/28/2013	3/12/2013	13	\$6,110	\$100	T	F	Kovalenok Farm
C-C-349	Clive Kaiser	M	WA	98362	P	D	Y	Tajikistan	F&V	3/5/2013	3/26/2013	22	\$10,340	\$1,100	T	P	Mastobov
C-C-350	Harold Walters	M	OH	43067	E	D	Y	Ukraine	Dairy	3/10/2013	3/27/2013	18	\$8,460	\$90	T	F	Technological Agricultural Company United (TACU)
C-C-351	Clint Goss	M	CT	06880	P	W/N	Y	Georgia	F&V	3/12/2013	3/29/2013	18	\$8,460	\$350	E	M	Agro Karti
C-C-352	Vera Shanov	F	CT	06880	P	W/N	Y	Georgia	F&V	3/12/2013	3/29/2013	18	\$8,460	\$350	E	S	Agro Karti
C-C-353	Brian Stone	M	MA	01532	F	D	Y	Moldova	Dairy	3/17/2013	4/3/2013	18	\$8,460	\$250	T	P	Lactis JSC
C-C-354	Brian Holmes	M	WI	53711	E	D	Y	Belarus	Flexible	3/22/2013	4/7/2013	17	\$7,990	\$320	T	S	AgroBioVet
C-C-355	James Worstell	M	AR	72003	C	W/N	Y	Georgia	F&V	3/24/2013	4/9/2013	17	\$7,990	\$100	E	S	GBDC Caucasia
C-C-356	Michael Brugger	M	OH	44691	P	W/N	Y	Moldova	Dairy	3/25/2013	4/10/2013	17	\$7,990	\$560	E	F	Madino Agro LLC
C-C-357	Thomas Durne	M	MI	49913	P	W/N	Y	Georgia	F&V	3/25/2013	4/9/2013	16	\$7,520	\$340	T	F	Herbia
C-C-358	Brent Van Dyke	M	NM	88242	E	D	Y	Georgia	Livestock	3/29/2013	4/21/2013	24	\$11,280	\$400	E	M	Metskhoeleobis Bazzari
C-C-359	David Handley	M	ME	04259	E	D	Y	Georgia	F&V	4/2/2013	4/20/2013	19	\$8,930	\$150	T	F	Iane Lazarashvili
C-C-360	Catalina Cabrera	F	CA	95616	P	D	N	Georgia	Livestock	4/13/2013	4/28/2013	16	\$7,520	\$300	T	F	Metskhoeleobis Bazzari
C-C-361	Jane Weizmann	F	MD	21403	Rtd	D	Y	Moldova	F&V	4/15/2013	5/6/2013	22	\$10,340	\$740	O	S	Competition Council
C-C-362	Howard Weizmann	M	MD	21403	Rtd	D	Y	Moldova	F&V	4/15/2013	5/6/2013	22	\$10,340	\$1,480	E	S	Competition Council
C-C-363	John Fitzgerald	M	AR	72031	F	D	Y	Uzbekistan	F&V	4/20/2013	5/6/2013	17	\$7,990	\$90	T	F	Ravshanbek
C-C-364	Bryce Malsbary	M	NC	28791	Rtd	W/N	Y	Moldova	F&V	4/28/2013	5/10/2013	13	\$6,110	\$630	E	S	Avcola Cimisia
C-C-365	Wayne Williams	M	CA	92110	G	D	Y	Tajikistan	F&V	4/30/2013	5/20/2013	21	\$9,870	\$180	T	F	Sartuqy Dehkan Farm
C-C-366	Brent Van Dyke	M	NM	88242	E	D	Y	Moldova	Dairy	5/2/2013	5/21/2013	20	\$9,400	\$350	O	F	Maximova Research Dairy Farm
C-C-367	Paul Sundberg	M	OH	44003	P	D	Y	Belarus	Flexible	5/2/2013	5/22/2013	18	\$7,520	\$370	O	F	AgroBioVet
C-C-368	Steve Van Vleet	M	WA	99111	E	D	Y	Moldova	F&V	5/12/2013	5/30/2013	19	\$8,930	\$1,000	T	F	IFAD
C-C-369	John Fouts	M	WA	99362	E	W/N	Y	Georgia	F&V	5/12/2013	5/29/2013	18	\$8,460	\$300	T	F	Zana Eco
C-C-370	Norman Kohls	M	TX	76936	F	D	Y	Ukraine	Dairy	5/18/2013	6/5/2013	19	\$8,930	\$0	E	S	Frumushyha-Nova Sheep Farm
C-C-371	Chuck Mitchell	M	OA	N/A	P	D	Y	Georgia	Livestock	5/19/2013	5/31/2013	13	\$6,110	\$520	E	S	Association Farmer of Future
C-C-372	Deron Beck	M	ID	83660	G	D	N	Tajikistan	F&V	5/30/2013	6/13/2013	15	\$7,050	\$586	E	M	Mirzo Dehkan Farm
C-C-373	Terrill Christensen	M	ID	83274	F	W/N	Y	Uzbekistan	F&V	5/30/2013	6/11/2013	13	\$6,110	\$40	E	S	Ilyos Private Farmer
C-C-374	Brian Stone	M	MA	01532	F	D	Y	Georgia	Dairy	6/2/2013	6/17/2013	16	\$7,520	\$300	E	M	Valos Valley Ltd
C-C-375	Robert Morris	F	WI	89119	F	D	Y	Kosovo	Flexible	6/2/2013	6/15/2013	14	\$6,580	\$0	T	F	New Opportunities for Agriculture (NOA)
C-C-376	Layne Bogdanov	F	AZ	86314	P	D	Y	Belarus	Flexible	7/7/2013	6/18/2013	12	\$5,640	\$114	E	M	Laboratory for VermTechnology
C-C-377	Bryce Malsbary	M	NC	28791	Rtd	W/N	Y	Georgia	F&V	6/7/2013	6/22/2013	13	\$6,110	\$0	O	S	GBDC Caucasia
C-C-378	Ross Penhalegion	M	OR	97478	E	D	Y	Tajikistan	F&V	6/8/2013	6/24/2013	17	\$7,990	\$140	T	F	Qalal Surkh Production Cooperative
C-C-379	Peter Bogdanov	M	AZ	86314	P	D	Y	Belarus	Flexible	6/8/2013	6/18/2013	11	\$5,170	\$50	O	F	Laboratory for VermTechnology
C-C-380	Ursula Fecht	F	WI	53586	G	D	Y	Georgia	Livestock	6/8/2013	7/1/2013	18	\$8,460	\$150	E	S	IE Tamari
C-C-381	Matthew Mullanax	M	CA	93906	P	D	Y	Georgia	F&V	6/16/2013	7/1/2013	16	\$7,520	\$300	T	F	Marneuil Agro Ltd.
C-C-382	Richard Steinfeld	M	OR	97702	P	D	Y	Kosovo	Flexible	6/16/2013	6/29/2013	14	\$6,580	\$0	T	P	New Opportunities for Agriculture (NOA)
C-C-383	John Fouts	M	WA	99362	E	W/N	Y	Uzbekistan	F&V	6/22/2013	7/11/2013	20	\$9,400	\$28	T	F	Ravshanbek
C-C-384	Alan Young	F	WI	54011	G	D	N	Moldova	F&V	6/22/2013	7/8/2013	15	\$7,050	\$300	F	F	AgroStoc Cooperative
C-C-385	Roger Engstrom	M	IA	50010	F	D	N	Georgia	F&V	6/23/2013	7/7/2013	15	\$7,050	\$150	E	F	Alfa LLC
C-C-386	Michael Christensen	M	MN	56097	C	D	Y	Ukraine	Dairy	6/27/2013	7/6/2013	10	\$4,700	\$20	E	M	Milkiland
C-C-387a	Bruce Williams	M	NC	28409	P	D	Y	Georgia	F&V	6/30/2013	7/15/2013	16	\$7,520	\$200	E	S	Herbia
C-C-387b	Bruce Williams	M	NC	28409	P	D	Y	Moldova	F&V	7/15/2013	7/30/2013	16	\$7,520	\$800	E	S	Avcola Cimisia
C-C-388	Melvin Farmer	M	ID	83201	P	D	Y	Kosovo	Flexible	6/30/2013	7/13/2013	14	\$6,580	\$0	T	P	New Opportunities for Agriculture (NOA)
C-C-389	Joel Ransom	M	ND	58103	E	D	Y	Ukraine	Dairy	7/1/2013	7/13/2013	13	\$6,110	\$35	C	F	Technological Agricultural Company United (TACU)
C-C-390	Jhilon Ortiz	M	NJ	07024	P	W/H	Y	Georgia	F&V	7/5/2013	7/22/2013	18	\$8,460	\$150			

Table 1a: Volunteer Assignment Data FY 12

Volunteer ID	Name	State	Address	Phone	Country	Specialty	Start Date	End Date	Days	Rate	Hours	Total	Agency				
C-C-228	Nilson Ortiz	M	NJ	07024	P	W/H	N	Georgia	F&V	10/15/2011	10/1/2011	14	\$6,580	\$300	E	M	Kalata Service
C-C-229	Dean Wheeler	M	CA	95616	P	D	Y	Moldova	F&V	10/15/2011	10/1/2011	19	\$8,930	\$560	T	P	Podgorani LLC
C-C-230	Charles Bruce Williams III	M	NC	28409	P	W/N	Y	Moldova	F&V	10/15/2011	10/9/2011	15	\$7,050	\$550	T	F	INAGRO
C-C-231	John Fitzgerald	M	AR	72031	F	D	Y	Tajikistan	F&V	10/15/2011	10/25/2011	22	\$10,340	\$245	O	F	Mirsaid Dekhan Farms Cooperative
C-C-232	Cliff Wener	M	IL	60093	E	D	Y	Moldova	F&V	10/15/2011	10/29/2011	14	\$6,580	\$200	T	P	TAI-NA
C-C-233	Steve Morgan	M	ID	83686	P	D	Y	Georgia	Dairy	10/15/2011	11/2/2011	19	\$8,930	\$150	T	P	Davit Kochiamazashvili
C-C-234	David Ziegler	M	MN	56093	E	D	Y	Moldova	Dairy	10/15/2011	11/7/2011	17	\$7,990	\$200	T	F	Carahasani Agro LLC
C-C-235	Ann Wolf	F	PA	16801	E	W/N	N	Ukraine	Dairy	10/15/2011	11/11/2011	14	\$6,580	\$15	T	F	Slavtych Private Farm
C-C-236	Gregg Short	M	OH	44214	P	D	Y	Moldova	F&V	10/15/2011	11/17/2011	17	\$7,990	\$480	T	F	Goncenciu Serghel FF
C-C-237	James Worstell	M	AR	72003	C	W/N	Y	Georgia	F&V	10/15/2011	11/21/2011	15	\$7,050	\$160	E	S	Trade Cooperative University
C-C-238	Youn Ha	M	ID	83301	P	As	Y	Moldova	Dairy	10/15/2011	11/23/2011	16	\$7,520	\$300	E	P	Pali Gheorghe Anatol Family Farm
C-C-239	Ranee May	F	WI	54022	Rtd	D	N	Tajikistan	D/L	10/15/2011	11/26/2011	18	\$8,460	\$55	T	P	Saidov
C-C-240	Kat Lambarth	F	OA	N/A	P	W/N	N	Georgia	Livestock	10/15/2011	11/29/2011	15	\$7,050	\$350	T	S	Alva LLC
C-C-241	Ralph Bucca	M	MD	21853	N	W/N	Y	Uzbekistan	F&V	10/15/2011	11/29/2011	16	\$7,520	\$90	T	P	Bunvod P.E.
C-C-242	Robert Morris	M	NV	89119	F	D	Y	Tajikistan	F&V	10/15/2011	12/5/2011	18	\$8,460	\$40	T	S	Engineering Technologic Faculty
C-C-243	Richard Brown	M	CA	93925	P	D	N	Kosovo	Flexible	10/15/2011	12/10/2011	16	\$7,520	\$0	T	P	New Opportunities for Agriculture (NOA)
C-C-244	Bryan Dodson	M	RI	02882	P	D	Y	Tajikistan	F&V	10/15/2011	12/19/2011	17	\$7,990	\$300	O	M	Zoda Company
C-C-245	Nino Adams	F	OR	97013	P	D	Y	Georgia	F&V	10/15/2011	12/24/2011	12	\$5,640	\$500	E	F	VTA Agro
C-C-246	Loren Parks	M	CA	95828	P	W/N	Y	Moldova	Dairy	10/15/2011	1/22/2012	15	\$7,050	\$150	T	M	Beta-Omega LLC
C-C-247	Thomas Kimmell	M	NC	28791	P	D	Y	Moldova	F&V	10/15/2011	1/27/2012	14	\$6,580	\$820	T	F	Table Grapes Growers and Exporters Ass'n
C-C-248	Richard Edwards	M	GA	30720	E	W/N	Y	Moldova	F&V	10/15/2011	2/1/2012	19	\$8,930	\$200	E	S	Infuta-Doni LLC
C-C-249	Matthew Cleaver	M	CA	95062	P	D	N	Georgia	F&V	10/15/2011	2/2/2012	17	\$7,990	\$450	T	F	Hora LLC
C-C-250	Youn Ha	M	ID	83301	P	D	Y	Moldova	F&V	10/15/2011	2/4/2012	22	\$10,340	\$280	O	S	Technical University
C-C-251	Darren Schmall	M	CA	93637	F	W/N	N	Moldova	F&V	10/15/2011	2/6/2012	18	\$8,460	\$200	E	M	Infuta-Doni LLC
C-C-252	Clint Goss	M	CT	06880	P	W/N	Y	Georgia	F&V	10/15/2011	2/7/2012	19	\$8,930	\$320	E	M	Alva LLC
C-C-253	Vera Shanov	F	CT	06880	P	W/N	N	Georgia	F&V	10/15/2011	2/7/2012	19	\$8,930	\$320	E	M	Alva LLC
C-C-254	Matthew Mulanax	M	CA	93906	P	D	Y	Georgia	F&V	10/15/2011	2/13/2012	18	\$8,460	\$250	T	F	Suris LLC
C-C-255	Nilson Ortiz	M	NJ	07024	P	W/H	Y	Georgia	F&V	10/15/2011	2/14/2012	18	\$8,460	\$150	E	M	Kalata Service
C-C-256	Brian Coffey	M	KY	40076	E	W/N	Y	Tajikistan	F&V	10/15/2011	2/14/2012	15	\$7,050	\$440	E	S	Zoda Company
C-C-257	Scott Stovall	M	NM	87505	F	W/N	Y	Moldova	Dairy	10/15/2011	2/20/2012	21	\$9,870	\$400	E	S	Vita-Lact Cooperative
C-C-258	Desmond Layne	M	SC	29672	E	D	Y	Georgia	F&V	10/15/2011	3/2/2012	17	\$7,990	\$900	T	F	Eniseli Ltd
C-C-259	Matilde Paino D'Urzo	F	IN	47901	P	W/N	Y	Georgia	F&V	10/15/2011	3/10/2012	15	\$7,050	\$250	T	F	Hora LLC
C-C-260	Steve Van Vleet	M	WA	99111	E	D	Y	Ukraine	Dairy	10/15/2011	3/17/2012	17	\$7,990	\$30	T	F	Technological Agricultural Company United (TACU)
C-C-261	Michael Swan	M	WA	99163	E	D	N	Kosovo	Flexible	10/15/2011	3/17/2012	15	\$7,050	\$100	O	S	New Opportunities for Agriculture (NOA)
C-C-262	Matthew Mulanax	M	CA	93906	P	D	Y	Tajikistan	F&V	10/15/2011	3/22/2012	17	\$7,990	\$860	T	S	SAS Consulting
C-C-263	Mark Lichtenwalner	F	PA	18062	F	D	Y	Tajikistan	F&V	10/15/2011	3/23/2012	21	\$9,870	\$350	T	F	Unukhjaev
C-C-264	Robert Albrecht	M	WI	54411	Rtd	W/N	Y	Moldova	Dairy	10/15/2011	3/28/2012	18	\$8,460	\$400	E	M	Vita-Lact Cooperative
C-C-265	Mary Albrecht	F	WI	54411	P	W/N	Y	Moldova	F&V	10/15/2011	3/28/2012	18	\$8,460	\$400	E	S	Trade Cooperative University
C-C-266	Harold Watters	M	OH	43067	E	D	Y	Ukraine	Dairy	10/15/2011	4/4/2012	19	\$8,930	\$70	T	F	Technological Agricultural Company United (TACU)
C-C-267	Brian Flanagan	M	NV	14850	S	D	N	Tajikistan	F&V	10/15/2011	4/12/2012	17	\$7,990	\$110	T	F	Akmal Dekhan Farm
C-C-268	Steve Morgan	M	ID	83686	P	D	Y	Georgia	Dairy	10/15/2011	4/21/2012	15	\$7,050	\$350	T	P	Algeteli 2008
C-C-269	Lynn Long	F	OR	97058	E	D	Y	Moldova	F&V	10/15/2011	4/21/2012	15	\$7,050	\$1,500	T	F	Asconi LLC
C-C-270	Marlene Long	F	OR	97058	C	D	N	Moldova	F&V	10/15/2011	4/21/2012	15	\$7,050	\$1,500	T	F	Asconi LLC
C-C-271	Thomas Dumble	M	MI	49913	P	W/N	Y	Uzbekistan	F&V	10/15/2011	4/24/2012	16	\$7,520	\$50	T	F	Abduraahmon ota PF
C-C-272	Jim Valentine	M	CA	93720	Rtd	W/N	Y	Belarus	Flexible	10/15/2011	4/28/2012	13	\$6,110	\$15	T	F	Turov Cannery
C-C-273	Thomas Kimmell	M	NC	28791	P	D	Y	Moldova	F&V	10/15/2011	4/28/2012	14	\$6,580	\$600	T	F	Agro-Walters LLC
C-C-274	David Handley	M	ME	4259	E	D	N	Georgia	F&V	10/15/2011	4/30/2012	16	\$7,520	\$350	T	F	Iane Lazarashvili
C-C-275	Roger Read	M	IL	61822	C	W/N	Y	Georgia	F&V	10/15/2011	4/30/2012	16	\$7,520	\$900	E	M	Agro Kartli
C-C-276	David Adams	M	OR	97013	Rtd	W/N	Y	Georgia	F&V	10/15/2011	5/1/2012	16	\$7,520	\$350	C	S	Fresh Food Ltd
C-C-277	Wayne Williams	M	CA	92110	G	D	Y	Tajikistan	F&V	10/15/2011	5/5/2012	22	\$10,340	\$200	E	F	Zohidov Dekhan Farm
C-C-278	Fred Crowe	M	WA	99328	E	D	N	Georgia	F&V	10/15/2011	5/12/2012	18	\$8,460	\$750	T	F	Giorgi Khutshvili
C-C-279	Brent Van Dyke	M	NM	88242	E	D	Y	Georgia	Livestock	10/15/2011	5/12/2012	15	\$7,050	\$400	T	M	Metskhvelobis Bazari
C-C-280	Kyung H Yoo	M	AL	36930	E	D	Y	Tajikistan	F&V	10/15/2011	5/19/2012	19	\$8,930	\$100	T	F	Engineering Technologic Faculty
C-C-281	John Casazza	M	PA	94131	P	D	Y	Kosovo	Flexible	10/15/2011	6/2/2012	14	\$6,580	\$0	T	F	New Opportunities for Agriculture (NOA)
C-C-282	Patrick McCaig	M	CA	93277	Rtd	D	N	Georgia	F&V	10/15/2011	6/8/2012	14	\$6,580	\$350	T	S	Agromatsv Badiauri LLC
C-C-283	John Griffin	M	FL	33929	E	W/N	N	Moldova	F&V	10/15/2011	6/8/2012	18	\$8,460	\$680	T	F	Goncenciu Serghel FF
C-C-284	Frank Blackburn	M	MN	55128	Rtd	D	Y	Tajikistan	Flexible	10/15/2011	6/14/2012	17	\$7,990	\$1,100	O	S	Association of Honey Producers of Rasht
C-C-285	Ken Hart	M	ID	83543	E	D	Y	Moldova	F&V	10/15/2011	6/22/2012	20	\$9,400	\$2,300	O	S	AGROinform
C-C-286	Marilyn Phillips	F	MN	56338	P	W/N	N	Moldova	F&V	10/15/2011	7/7/2012	14	\$6,580	\$800	E	M	Rotor LLC
C-C-287	Aboubacar Diagne	M	LA	70806	P	B/N	Y	Tajikistan	F&V	10/15/2011	7/10/2012	21	\$9,870	\$320	T	F	Mirsaid Dekhan Farms Cooperative
C-C-288	Richard F. May	M	NC	27215	F	D	Y	Georgia	F&V	10/15/2011	7/10/2012	18	\$8,460	\$800	T	F	Marnell Agro Ltd
C-C-289	Billy Webb	M	KY	40513	F	D	N	Georgia	F&V	10/15/2011	7/11/2012	17	\$7,990	\$350	T	F	Eco Baqhi
C-C-290	Desmond Layne	M	SC	29672	E	D	Y	Georgia	F&V	10/15/2011	7/13/2012	15	\$7,050	\$600	T	F	Eniseli Ltd
C-C-291	John Caldera	M	TX	75006	C	W/H	Y	Tajikistan	Flexible	10/15/2011	7/18/2012	19	\$8,930	\$1,050	T	F	Association of Honey Producers of Rasht
C-C-292	Charles Bruce Williams III	M	NC	28409	P	W/N	Y	Moldova	F&V	10/15/2011	7/18/2012	18	\$8,460	\$750	T	F	Agro-Walters LLC
C-C-293	Surendra Dara	M	CA	93311	E	D	Y	Kosovo	Flexible	10/15/2011	7/19/2012	13	\$6,110	\$0	E	S	New Opportunities for Agriculture (NOA)
C-C-294	Ralph Bucca	M	MD	21853	N	W/N	Y	Uzbekistan	F&V	10/15/2011	7/21/2012	16	\$7,520	\$40	T	F	Ilyos Private Farmer
C-C-295	Steve Morgan	M	ID	83686	P	D	Y	Georgia	Dairy	10/15/2011	7/22/2012	16	\$7,520	\$700	T	P	Mziatan Association
C-C-296	Cliff Wener	M	IL	60093	E	D	Y	Moldova	F&V	10/15/2011	7/22/2012	21	\$9,870	\$900	E	M	Galaxy of Restaurants LLC
C-C-297	James Worstell	M	AR	72003	C	W/N	Y	Ukraine	Dairy	10/15/2011	7/26/2012	17	\$7,990	\$80	O	S	Mikiland
C-C-298	William Schaller	M	MN	55408	E	D	Y	Kosovo	Flex	10/15/2011	7/28/2012	16	\$7,520	\$0	T	P	New Opportunities for Agriculture (NOA)
C-C-299	Cathryn Klotzli	F	VA	22901	E	D	Y	Georgia	F&V								





Table 1a: Volunteer Assignment Data FY 10

Table with 19 columns: ID, Name, State, Country, Agency, Date, etc. Includes rows for various volunteers like James Worstall, Joseph Coogan, Peter Clark, Jeff Emery, Kevin Dennis, etc., ending with a 'FY10 Total' row.

Table 1a: Volunteer Assignment Data FY 09																		
C-C-1	John Kappelman	M	WI	54220	F	D	N	Moldova	Dairy	12/2/2009	12/22/2008	21	\$9,870	\$700	T	F	Lapmol Dairy Processor	
C-C-2	Brian Stone	M	MA	01532	F	D	N	Georgia	Dairy	3/2/2009	3/19/2009	18	\$8,460	\$0	E	S	Dairy CP	
C-C-3	Bryce Malsbary	M	NC	28791	Rtd	W/N	N	Moldova	F&V	3/12/2009	3/25/2009	15	\$7,050	\$435	E	S	Agrostop Cooperative	
C-C-4	Jim Faber	M	ID	83842	P	D	N	Moldova	F&V	3/24/2009	4/8/2009	15	\$7,050	\$85	E	S	Table Grapes Growers and Exporters Ass'n	
C-C-5	Michael Steele	M	MI	49801	N	D	N	Moldova	F&V	3/30/2009	4/19/2009	20	\$9,400	\$755	F	S	ADP	
C-C-6	Tom Cadwallader	M	WI	54435	E	D	N	Moldova	F&V	3/31/2009	4/19/2009	20	\$9,400	\$0	E	S	INAGRO	
C-C-7	John Gauthier	M	RI	02920	P	D	N	Moldova	Dairy	4/21/2009	5/16/2009	25	\$11,750	\$600	E	M	Lapmol Dairy Processor	
C-C-8	Richard Anderson	M	MO	64013	G	D	N	Moldova	F&V	5/3/2009	5/16/2009	13	\$6,110	\$700	E	S	Moldasig Insurance Company	
C-C-9	Merle Anderson	M	IA	52748	Rtd	D	N	Moldova	F&V	5/3/2009	5/23/2009	20	\$9,400	\$160	E	S	Vegetalcom Cooperative	
C-C-10	Poul Hansen	M	OH	43204	Rtd	D	N	Georgia	Dairy	5/6/2009	5/29/2009	19	\$8,930	\$151	T	P	Kakhaber LTD 2005	
C-C-11	Dave Adams	M	OR	97013	Rtd	D	N	Georgia	F&V	5/19/2009	6/5/2009	18	\$8,460	\$30	T	S	Laurus LLC	
C-C-12	Vance Phillips	M	DE	19956	F	D	N	Georgia	F&V	5/26/2009	6/6/2009	12	\$5,640	\$300	O	S	Gia Kordzadze	
C-C-13	James Worstell	M	AR	72003	C	W/N	N	Moldova	F&V	6/8/2009	6/21/2009	16	\$7,520	\$160	E	S	Vegetalcom Cooperative	
C-C-14	John Fouts	M	WA	99362	E	D	N	Georgia	F&V	6/8/2009	6/22/2009	15	\$7,050	\$350	O	S	Lurmanashvili	
C-C-15	Glen E. Huskey	M	CA	91355	P	D	N	Moldova	Dairy	6/18/2009	7/8/2009	21	\$9,870	\$190	T	S	CCIPAM - Moldovan Center for Food Safety and	
C-C-16	Shawn Mehlenbacher	M	OR	97330	E	D	N	Georgia	Nuts	6/20/2009	7/3/2009	16	\$7,520	\$457	T	F	EcoPex Ltd.	
C-C-17	Bruce Bailey	M	CA	95834	P	D	N	Georgia	F&V	6/29/2009	7/10/2009	11	\$5,170	\$150	T	F	Shengi	
C-C-18	Brent Van Dyke	M	NM	88242	E	D	N	Georgia	F&V	7/3/2009	7/16/2009	13	\$6,110	\$220	E	M	Farm Service Center - Noblex	
C-C-19	Jerry Grigar	M	MI	48862	G	D	N	Georgia	F&V	7/4/2009	7/16/2009	12	\$5,640	\$335	T	F	FSC - Agro Alliance Vardisubali Ltd.	
C-C-20	Dawid Kammel	M	WI	53711	E	D	N	Belarus	Flexible	7/4/2009	7/18/2009	14	\$6,580	\$200	T	S	Soyuz Invest Stroki (SIS)	
C-C-21	John Corjje	M	VA	22041	P	D	N	Georgia	F&V	7/12/2009	7/24/2009	13	\$6,110	\$778	T	F	Agro - 1959	
C-C-22	Brian Stone	M	MA	01532	F	D	Y	Georgia	Dairy	8/2/2009	8/21/2009	21	\$9,870	\$200	T	P	KLG Tibani Cheese Plant	
C-C-23	Bill Schafar	M	MN	55103	E	D	N	Georgia	F&V	8/5/2009	8/20/2009	13	\$6,110	\$200	T	P	Geoconcentrate	
C-C-24	Charlotte Deuel	F	OR	97007	P	D	N	Uzbekistan	F&V	8/7/2009	8/23/2009	17	\$7,990	\$1,031	T	P	Quavosy Behzor LLC	
C-C-25	Cliff Wener	M	IL	60093	E	D	N	Georgia	Livestock	8/9/2009	8/22/2009	15	\$7,050	\$440	T	P	Gurmani	
C-C-26	LeWayne Jansonius	M	KS	66085	P	D	N	Moldova	F&V	8/10/2009	8/28/2009	19	\$8,930	\$0	E	S	Premium Fruct Cooperative	
C-C-27	Ross Penhallegon	M	OR	97478	E	D	N	Georgia	Nuts	8/10/2009	8/25/2009	15	\$7,050	\$30	T	F	Geonut	
C-C-28	Kate Penhallegon	M	OR	97478	P	D	N	Georgia	F&V	8/10/2009	8/25/2009	14	\$6,580	\$0	T	F	Diana Kakahidze	
C-C-29	Daniel Haskins	M	WA	98292	P	D	N	Belarus	Flexible	8/10/2009	8/24/2009	14	\$6,580	\$134	T	F	Dzerzhinsk Farm	
C-C-30	Rick McGuire	M	CA	93221	P	D	N	Belarus	Flexible	8/10/2009	8/24/2009	18	\$8,460	\$130	T	F	Dzerzhinsk Farm	
C-C-31	Christos Athanassiou	M	KS	66502	E	W/N	N	Georgia	F&V	8/16/2009	8/27/2009	12	\$5,640	\$750	T	F	Agro Kartli	
C-C-32	Elizabeth Naspier	F	MA	02026	P	D	N	Georgia	F&V	8/20/2009	9/8/2009	13	\$6,110	\$0	E	M	Geoconcentrate	
C-C-33	Dean Wheeler	M	CA	95616	P	D	N	Moldova	F&V	8/22/2009	9/11/2009	21	\$9,870	\$120	T	F	Table Grapes Growers and Exporters Ass'n	
C-C-34	Richard Leep	M	MI	49301	E	W/N	N	Belarus	Flexible	8/22/2009	9/6/2009	18	\$8,460	\$200	T	F	Dzerzhinsk Farm	
C-C-35	Martin Nagelkirk	M	MI	46401	E	D	N	Belarus	Flexible	8/22/2009	9/6/2009	14	\$6,580	\$200	T	F	Vzerzhinsk Farm	
C-C-36	Loren Parks	M	CA	95828	P	W/N	N	Moldova	F&V	8/25/2009	9/12/2009	19	\$8,930	\$240	E	M	Vegetalcom Cooperative	
C-C-37	Bill Goeres	M	WA	98541	F	D	N	Tajikistan	D/L	8/25/2009	9/8/2009	14	\$6,580	\$30	T	F	Karim Ismoilov Dairy Farm	
C-C-38	Michael Steele	M	MI	49801	N	D	Y	Moldova	F&V	8/31/2009	9/18/2009	24	\$11,280	\$2,740	F	S	ADP	
C-C-39	Bryan Dodson	M	RI	02882	P	D	N	Georgia	F&V	8/31/2009	9/11/2009	13	\$6,110	\$1,200	E	M	Kakhi Mesablshvili	
C-C-40	Margaret Morse	F	VA	23220	F	D	N	Moldova	F&V	9/4/2009	9/18/2009	15	\$7,050	\$260	T	F	Pulbere Oleg Family Farm	
C-C-41	Charles Bruce Williams III	M	NC	28409	P	W/N	N	Georgia	F&V	9/5/2009	9/18/2009	15	\$7,050	\$600	T	F	Herbia	
C-C-42	Greg Schwab	M	KY	40475	E	D	N	Georgia	F&V	9/5/2009	9/18/2009	12	\$5,640	\$160	T	F	FSC - Agro Alliance - Nakhiduri LTD	
C-C-43	Michael Perdue	M	IA	51535	F	D	N	Tajikistan	D/L	9/8/2009	9/22/2009	15	\$7,050	\$0	T	F	Stroj Dairy Farm	
C-C-44	Henry McNeilly	M	OA	N/A	Rtd	W/N	N	Georgia	Dairy	9/9/2009	9/23/2009	14	\$6,580	\$70	E	M	Georgia Business Zone	
C-C-45	Vincent Wright	M	TX	75647	P	D	N	Georgia	F&V	9/13/2009	9/25/2009	15	\$7,050	\$550	E	S	Nektari LLC	
C-C-46	Lynn Erstrand	M	MN	56336	Rtd	D	N	Georgia	Livestock	9/13/2009	9/25/2009	15	\$7,050	\$490	T	P	Tela LLC	
<b>FY09 Total</b>												<b>742</b>	<b>\$348,740</b>	<b>\$16,531</b>				
<b>LOP Total</b>												<b>6,962</b>	<b>\$3,272,140</b>	<b>\$140,995</b>				

**Table 1B**

CNFA-ECCA  
Farmer-to-Farmer  
1B: Volunteer Assignment Activity Data

Assignment (Trip) No.	Persons Directly Assisted			Persons Trained			Number of Volunteer			
	Male	Female	Total	Male	Female	Total	Economic	Organizational	Financial	Environmental
1B: Volunteer Assignment Activity Data FY13										
C-C-321	21	5	26	15	0	15	1	0	0	2
C-C-322	55	43	98	40	38	78	2	1	0	0
C-C-323	10	1	11	0	0	0	3	0	0	0
C-C-324	27	22	49	27	22	49	0	3	0	0
C-C-325	34	43	77	31	42	73	3	0	0	0
C-C-326	12	3	15	3	1	4	0	2	0	1
C-C-327	7	1	8	0	0	0	1	0	1	1
C-C-328	15	6	21	5	3	8	0	3	0	0
C-C-329	23	16	39	12	0	12	0	3	0	0
C-C-330	152	12	164	152	12	164	0	3	0	0
C-C-331	17	10	27	7	5	12	0	3	0	0
C-C-332	15	3	18	11	1	12	1	1	1	0
C-C-333	16	0	16	16	0	16	3	0	0	0
C-C-334	15	4	19	15	4	19	0	3	0	0
C-C-335	8	8	16	3	3	6	2	0	0	1
C-C-336	64	61	125	64	61	125	1	3	0	0
C-C-337	18	1	19	6	0	6	3	0	0	0
C-C-338	158	68	226	155	68	223	0	3	0	0
C-C-339	5	2	7	1	1	2	11	1	0	0
C-C-340	17	6	23	5	1	6	2	1	0	0
C-C-341	28	3	31	15	3	18	3	0	0	0
C-C-342	15	6	21	10	5	15	2	1	0	0
C-C-343	7	43	50	2	3	5	2	1	0	0
C-C-344	174	68	242	103	4	107	0	2	0	1
C-C-345	107	322	429	107	322	429	0	2	1	0
C-C-346	27	31	58	17	19	36	1	1	0	1
C-C-347	92	7	99	80	6	86	0	6	0	2
C-C-348	259	54	313	258	54	312	0	3	0	1
C-C-349	34	2	36	21	2	23	7	1	0	0
C-C-350	65	12	77	56	6	62	4	0	0	0
C-C-351	6	2	8	0	0	0	4	1	0	0
C-C-352	6	0	6	0	0	0	6	1	0	0
C-C-353	10	18	28	2	3	5	2	1	0	0
C-C-354	25	7	32	0	0	0	0	8	0	0
C-C-355	21	57	78	9	52	61	0	3	0	0
C-C-356	6	0	6	0	0	0	2	0	0	1
C-C-357	86	30	116	50	10	60	1	0	0	2
C-C-358	30	5	35	25	1	26	1	2	0	0
C-C-359	75	21	96	64	15	79	0	0	4	0
C-C-360	42	2	44	32	0	32	1	2	0	0
C-C-361	13	17	30	13	16	29	0	3	0	0
C-C-362	26	34	60	26	32	58	0	6	0	0
C-C-363	20	12	32	10	4	14	3	0	0	0
C-C-364	7	1	8	7	1	8	1	6	0	0
C-C-365	93	82	175	13	2	15	0	2	0	1
C-C-366	48	15	63	38	10	48	2	1	0	0
C-C-367	158	101	259	154	98	252	0	4	0	0
C-C-368	60	9	69	54	6	60	0	3	0	1
C-C-369	15	13	28	5	4	9	2	0	0	1
C-C-370	16	15	31	7	4	11	2	1	0	0
C-C-371	25	16	41	23	15	38	0	0	0	3
C-C-372	19	1	20	3	0	3	3	0	0	0
C-C-373	21	20	41	9	8	17	2	0	0	0
C-C-374	41	27	68	40	25	65	2	1	0	1
C-C-375	0	0	0	0	0	0	0	0	0	0
C-C-376	25	16	41	22	13	35	0	7	0	0
C-C-377	7	9	16	7	9	16	0	4	0	0
C-C-378	127	29	156	127	29	156	0	0	0	4
C-C-379	25	16	41	22	13	35	2	3	2	0
C-C-380	6	7	13	2	4	6	2	0	0	2
C-C-381	10	1	11	5	1	6	2	0	0	1
C-C-382	13	0	13	5	0	5	2	1	0	0
C-C-383	19	11	30	11	4	15	3	0	0	0
C-C-384	2	5	7	2	5	7	0	0	3	0
C-C-385	19	11	30	8	9	17	0	2	1	0
C-C-386	19	17	36	12	14	26	1	2	0	0
C-C-387	47	5	52	37	5	42	2	1	0	0
C-C-388	0	0	0	0	0	0	0	0	0	0
C-C-389	34	2	36	31	2	33	1	0	0	2
C-C-390	15	6	21	5	3	8	0	3	0	0
C-C-391	11	2	13	0	0	0	15	0	0	0
C-C-392	33	10	43	45	6	51	0	3	2	2
C-C-393	31	28	59	14	10	24	0	2	1	0
C-C-394	55	40	95	29	13	42	1	2	0	0
C-C-395	42	7	49	37	3	40	1	0	0	2
C-C-396	19	6	25	0	0	0	0	3	0	1
C-C-397	28	25	53	18	12	30	0	1	0	0
C-C-398	27	17	44	25	17	42	3	0	0	0
C-C-399	28	16	44	26	15	41	3	0	0	0
C-C-400	9	1	10	9	1	10	3	1	0	0
C-C-401	0	0	0	0	0	0	1	0	0	0
C-C-402	25	2	27	10	0	10	1	1	0	1
C-C-403	15	6	21	0	1	1	1	0	2	0
C-C-404	29	4	33	28	2	30	2	0	0	1
C-C-405	13	8	21	9	5	14	2	0	0	1
C-C-406	16	7	23	4	2	6	3	0	0	0
C-C-407	38	36	74	34	33	67	0	4	0	0
C-C-408	118	26	144	118	26	144	1	2	0	0
C-C-407	103	12	115	98	12	110	1	2	0	0
C-C-409	122	11	133	122	11	133	5	0	0	0
C-C-410	0	0	0	0	0	0	0	0	0	0
C-C-411	23	20	43	17	15	32	2	0	0	2
C-C-412	4	0	4	2	0	2	0	1	2	0
C-C-413	25	20	45	18	11	29	3	0	0	0
C-C-414	96	53	149	51	18	69	3	0	0	0
C-C-415	10	7	17	0	0	0	0	1	1	0
C-C-416	27	4	31	24	3	27	3	0	0	0
C-C-417	11	15	26	11	15	26	0	3	0	0
C-C-418	11	15	26	11	15	26	0	3	0	0
C-C-419	20	7	27	14	2	16	2	0	0	1
<b>FY 13 TOTAL</b>	<b>3,773</b>	<b>1,910</b>	<b>5,683</b>	<b>2,891</b>	<b>1,351</b>	<b>4,242</b>	<b>156</b>	<b>144</b>	<b>22</b>	<b>40</b>

C-C-228	15	5	20	5	2	7	0	2	2	0
C-C-229	16	0	16	16	0	16	4	0	0	0
C-C-230	20	10	30	11	8	19	3	0	0	0
C-C-231	152	62	214	52	12	64	0	0	0	3
C-C-232	25	16	41	25	16	41	1	3	0	0
C-C-233	8	8	16	6	5	11	3	0	0	0
C-C-234	9	10	19	2	1	3	6	0	0	0
C-C-235	10	4	14	0	0	0	2	0	0	1
C-C-236	19	14	33	15	14	29	3	0	0	0
C-C-237	2	10	12	0	0	0	3	3	0	0
C-C-238	6	4	10	3	2	5	2	1	1	0
C-C-239	6	3	9	6	3	9	1	2	0	0
C-C-240	28	8	36	8	2	10	1	2	0	0
C-C-241	40	36	76	30	6	36	2	0	0	0
C-C-242	27	7	34	23	5	28	0	0	2	1
C-C-243	17	2	19	17	2	19	3	0	0	0
C-C-244	14	0	14	4	0	4	1	3	0	0
C-C-245	23	13	36	15	11	26	4	1	0	0
C-C-246	1	0	1	1	0	1	0	1	2	0
C-C-247	252	23	275	240	20	260	2	0	0	1
C-C-248	7	7	14	7	7	14	1	1	0	0
C-C-249	30	5	35	20	4	24	3	0	0	0
C-C-250	5	5	10	5	5	10	1	1	0	0
C-C-251	8	7	15	6	6	12	5	0	1	0
C-C-252	7	1	8	0	0	0	6	0	0	0
C-C-253	7	1	8	0	0	0	10	2	0	0
C-C-254	27	33	60	20	30	50	3	0	0	0
C-C-255	6	8	14	4	8	12	0	1	2	0
C-C-256	2	1	3	2	1	3	3	0	1	0
C-C-257	5	5	10	3	3	6	3	0	0	0
C-C-258	20	25	45	10	22	32	3	0	0	1
C-C-259	7	10	17	4	3	7	0	3	0	0
C-C-260	27	0	27	20	0	20	3	0	0	1
C-C-261	20	3	23	0	0	0	0	3	0	0
C-C-262	120	24	144	20	4	24	0	0	0	4
C-C-263	151	55	206	51	10	61	0	0	0	3
C-C-264	4	4	8	1	2	3	5	7	0	0
C-C-265	13	20	33	13	20	33	2	1	0	0
C-C-266	39	6	45	36	1	37	2	0	0	1
C-C-267	91	16	107	80	16	96	0	0	0	3
C-C-268	5	5	10	2	2	4	0	2	0	1
C-C-269	141	21	162	96	15	111	3	0	0	0
C-C-270	97	16	113	91	15	106	3	0	0	0
C-C-271	30	7	37	10	2	12	3	0	0	0
C-C-272	5	1	6	0	0	0	0	1	2	0
C-C-273	5	2	7	5	2	7	2	0	1	0
C-C-274	35	14	49	34	14	48	0	0	4	0
C-C-275	29	31	60	25	30	55	1	2	0	0
C-C-276	15	22	37	9	22	31	3	0	0	0
C-C-277	63	6	69	27	1	28	2	0	0	1
C-C-278	18	4	22	8	3	11	0	2	1	1
C-C-279	225	105	330	25	5	30	1	2	0	0
C-C-280	15	1	16	12	1	13	0	1	1	1
C-C-281	12	0	12	9	0	9	0	0	0	0
C-C-282	30	0	30	14	0	14	1	2	0	0
C-C-283	21	24	45	12	21	33	2	0	0	1
C-C-284	195	1	196	8	1	9	0	5	1	0
C-C-285	14	6	20	7	0	7	0	1	2	0
C-C-286	34	15	49	1	2	3	2	1	0	0
C-C-287	45	8	53	9	3	12	0	5	0	4
C-C-288	15	16	31	5	1	6	3	0	0	0
C-C-289	18	3	21	6	0	6	3	0	0	0
C-C-290	14	0	14	5	0	5	1	1	0	1
C-C-291	19	1	20	9	1	10	3	0	0	0
C-C-292	22	31	53	4	0	4	8	2	1	0
C-C-293	62	5	67	14	1	15	0	1	0	0
C-C-294	26	12	38	16	7	23	3	0	0	0
C-C-295	6	10	16	4	6	10	0	1	0	1
C-C-296	55	66	121	41	55	96	0	3	0	0
C-C-297	40	90	130	31	80	111	0	3	0	0
C-C-298	5	0	5	5	0	5	0	2	0	0
C-C-299	28	17	45	22	14	36	0	0	0	3
C-C-300	8	3	11	0	0	0	2	0	0	1
C-C-301	27	6	33	21	4	25	6	0	0	0
C-C-302	45	3	48	43	2	45	1	0	0	2
C-C-303	8	5	13	4	2	6	0	3	0	0
C-C-304	34	22	56	28	13	41	0	3	0	0
C-C-305	10	0	10	9	0	9	3	0	0	0
C-C-306	53	48	101	17	8	25	0	3	0	0
C-C-307	2	5	7	0	2	2	0	3	0	0
C-C-308	12	0	12	12	0	12	6	0	0	0
C-C-309	140	50	190	40	10	50	0	0	0	5
C-C-310	16	4	20	1	0	1	2	3	0	0
C-C-311	6	6	12	6	6	12	0	3	0	0
C-C-312	3	0	3	3	0	3	3	0	1	0
C-C-313	2	3	5	0	2	2	0	2	1	0
C-C-314	127	23	150	127	23	150	0	3	0	0
C-C-315	18	11	29	15	9	24	4	0	0	0
C-C-316	112	24	136	100	22	122	3	2	0	0
C-C-317	29	11	40	19	6	25	2	0	0	1
C-C-318	39	11	50	30	10	40	0	3	0	0
C-C-319	16	9	25	11	8	19	1	3	0	0
C-C-320	82	42	124	82	42	124	1	0	1	1
<b>FY 12 TOTAL</b>	<b>3,419</b>	<b>1,297</b>	<b>4,716</b>	<b>1,915</b>	<b>724</b>	<b>2,639</b>	<b>169</b>	<b>105</b>	<b>27</b>	<b>43</b>

1B: Volunteer Assignment Activity Data FY11										
C-C-138	22	23	45	17	21	38	2	2	0	0
C-C-139	22	0	22	12	0	12	1	2	0	4
C-C-140	4	12	16	3	12	15	3	0	0	0
C-C-141	34	9	43	27	6	33	3	0	0	1
C-C-142	18	15	33	9	13	22	2	0	0	1
C-C-143	4	0	4	0	0	0	6	0	0	2
C-C-144	16	3	19	5	2	7	1	2	0	0
C-C-145	13	2	15	5	1	6	4	0	0	1
C-C-146	4	1	5	4	1	5	0	3	0	0
C-C-147	9	11	20	9	11	20	0	0	0	0
C-C-148	9	12	21	9	12	21	0	3	0	0
C-C-149	9	12	21	9	12	21	0	3	0	0
C-C-150	16	4	20	4	2	6	0	0	3	0
C-C-151	16	0	16	8	0	8	3	0	0	0
C-C-152	15	11	26	6	0	6	1	2	0	0
C-C-153	209	40	249	9	0	9	0	3	0	0
C-C-154	6	3	9	2	0	2	3	0	0	0
C-C-155	6	3	9	2	2	4	3	0	0	0
C-C-156	3	8	11	0	0	0	2	1	0	0
C-C-157	13	8	21	13	8	21	0	0	0	0
C-C-158	17	14	31	8	6	14	1	1	1	0
C-C-159	28	4	32	26	4	30	3	3	0	0
C-C-160	15	7	22	15	7	22	0	4	0	0
C-C-161	8	2	10	0	0	0	0	0	0	0
C-C-162	16	5	21	12	0	12	2	0	0	1
C-C-163	200	24	224	50	4	54	2	1	0	0
C-C-164	8	3	11	5	1	6	3	0	0	0
C-C-165	2	1	3	0	0	0	2	1	0	0
C-C-166	20	27	47	13	26	39	0	3	0	0
C-C-167	215	68	283	65	18	83	0	3	0	0
C-C-168	21	16	37	19	12	31	1	2	0	0
C-C-169	32	4	36	28	4	32	1	0	0	2
C-C-170	11	7	18	9	6	15	3	0	0	0
C-C-171	5	2	7	2	2	4	0	2	1	0
C-C-172	21	1	22	21	1	22	0	0	0	0
C-C-173	23	31	54	19	29	48	0	3	0	0
C-C-174	50	24	74	39	13	52	1	1	0	1
C-C-175	120	25	145	30	5	35	3	0	0	0
C-C-176	58	7	65	54	7	61	2	0	0	1
C-C-177	11	22	33	7	14	21	0	2	0	1
C-C-178	190	29	219	172	29	201	0	1	0	0
C-C-179	9	9	18	2	4	6	0	3	0	0
C-C-180	33	3	36	13	1	14	2	1	0	0
C-C-181	17	3	20	0	0	0	3	0	0	0
C-C-182	21	2	23	10	2	12	2	1	0	0
C-C-183	34	8	42	29	8	37	0	3	0	0
C-C-184	110	18	128	65	10	75	3	0	0	0
C-C-185	15	15	30	4	3	7	2	2	0	0
C-C-186	62	19	81	54	18	72	1	1	1	0
C-C-187	37	2	39	25	1	26	0	1	0	3
C-C-188	10	5	15	0	0	0	3	0	0	0
C-C-189	8	42	50	7	41	48	0	3	0	0
C-C-190	10	10	20	1	2	3	0	3	0	0
C-C-191	24	5	29	15	0	15	2	1	0	0
C-C-192	20	1	21	15	1	16	4	0	0	1
C-C-193	19	10	29	9	7	16	3	2	0	2
C-C-194	13	0	13	10	0	10	2	0	1	0
C-C-195	27	12	39	12	8	20	2	0	0	0
C-C-196	19	20	39	18	19	37	0	3	0	0
C-C-197	16	10	26	14	7	21	3	0	0	0
C-C-198	20	10	30	8	4	12	0	2	1	0
C-C-199	15	0	15	15	0	15	0	0	0	0
C-C-200	1	1	2	0	0	0	4	0	0	0
C-C-201	26	6	32	6	1	7	2	3	1	0
C-C-202	6	11	17	6	11	17	0	0	0	2
C-C-203	12	8	20	11	7	18	0	0	3	0
C-C-204	12	8	20	11	7	18	0	3	0	0
C-C-205	8	2	10	6	2	8	3	0	0	0
C-C-206	11	3	14	9	2	11	0	0	0	3
C-C-207	19	40	59	14	1	15	2	1	0	0
C-C-208	25	4	29	15	4	19	2	0	0	1
C-C-212B	44	2	46	44	2	46	0	0	0	0
C-C-209	15	3	18	5	1	6	3	0	0	0
C-C-210	32	20	52	20	16	36	2	1	0	0
C-C-211	26	0	26	25	0	25	5	1	0	1
C-C-212A	15	12	27	3	0	3	2	1	0	0
C-C-213	8	2	10	8	2	10	0	3	0	0
C-C-214	27	30	57	6	0	6	1	1	1	0
C-C-215	20	3	23	12	2	14	3	0	0	0
C-C-216	9	0	9	0	0	0	1	0	0	2
C-C-217	7	7	14	3	1	4	2	0	0	1
C-C-218	2	0	2	2	0	2	1	2	0	0
C-C-219	30	2	32	14	1	15	1	1	0	1
C-C-220	52	83	135	43	72	115	0	6	0	0
C-C-221	40	2	42	0	0	0	0	3	0	0
C-C-222	22	14	36	4	2	6	1	2	0	0
C-C-223	11	3	14	7	0	7	3	0	0	0
C-C-224	12	0	12	6	0	6	2	0	0	0
C-C-225	5	0	5	1	0	1	3	0	0	0
C-C-226	39	13	52	18	11	29	3	3	2	2
C-C-227	14	31	45	13	27	40	0	3	0	0
<b>FY 11 TOTAL</b>	<b>2,608</b>	<b>1,014</b>	<b>3,622</b>	<b>1,385</b>	<b>599</b>	<b>1,984</b>	<b>136</b>	<b>108</b>	<b>15</b>	<b>34</b>

1B: Volunteer Assignment Activity Data FY10										
C-C-47	8	2	10	4	2	6	3	0	0	0
C-C-48	6	0	6	6	0	6	5	0	0	0
C-C-49	11	6	17	11	6	17	3	0	0	0
C-C-50	100	15	115	50	10	60	2	1	0	0
C-C-51	25	0	25	15	0	15	3	0	0	0
C-C-52	14	9	23	5	4	9	3	0	0	0
C-C-53	2	4	6	1	4	5	1	1	1	0
C-C-54B	14	7	21	4	2	6	2	2	0	0
C-C-55	15	0	15	3	0	3	2	0	0	1
C-C-56	20	4	24	17	4	21	1	1	1	0
C-C-57	2	3	5	2	3	5	2	0	0	1
C-C-58	6	0	6	2	0	2	1	1	1	0
C-C-59	7	4	11	0	0	0	2	1	0	0
C-C-60	20	16	36	8	10	18	0	2	0	1
C-C-54A	30	5	35	30	5	35	0	4	0	0
C-C-61	7	0	7	0	0	0	0	3	0	0
C-C-62	27	3	30	27	3	30	2	0	0	1
C-C-63	22	2	24	20	2	22	3	0	0	2
C-C-64	39	23	62	33	10	43	4	4	0	0
C-C-65	7	1	8	0	0	0	1	2	0	0
C-C-66	53	10	63	44	10	54	0	0	3	0
C-C-67	16	0	16	8	0	8	3	0	0	0
C-C-68	12	3	15	2	0	2	2	0	0	1
C-C-69	37	13	50	12	3	15	2	0	0	2
C-C-70	9	8	17	2	3	5	0	7	0	0
C-C-71	15	3	18	13	3	16	0	3	0	0
C-C-72	200	37	237	78	13	91	2	0	0	0
C-C-73	36	0	36	6	0	6	3	0	0	0
C-C-74	14	0	14	12	0	12	0	2	0	0
C-C-75	3	1	4	0	0	0	0	3	0	0
C-C-76	52	9	61	46	6	52	3	0	0	0
C-C-77	261	52	313	11	2	13	0	0	0	3
C-C-78	2	2	4	1	1	2	0	10	0	0
C-C-79	5	1	6	3	1	4	0	0	0	0
C-C-80	4	3	7	2	3	5	14	1	0	2
C-C-81	33	16	49	29	16	45	0	2	0	0
C-C-82	14	11	25	6	4	10	10	3	0	0
C-C-83B	8	12	20	4	10	14	0	0	0	0
C-C-84	8	10	18	8	10	18	2	1	0	0
C-C-85	11	9	20	2	7	9	2	2	0	1
C-C-83A	9	7	16	6	2	8	0	0	0	0
C-C-86	94	1	95	59	1	60	2	0	0	1
C-C-87	71	17	88	69	15	84	17	0	0	2
C-C-88	7	2	9	7	2	9	0	3	0	0
C-C-89	16	4	20	13	2	15	0	0	1	2
C-C-90	9	7	16	4	3	7	1	2	0	0
C-C-91	10	10	20	5	7	12	0	1	2	0
C-C-92	5	1	6	0	1	1	5	2	0	0
C-C-93	18	0	18	8	0	8	1	1	0	1
C-C-94	5	0	5	5	0	5	14	1	0	0
C-C-95	34	35	69	34	33	67	3	0	0	0
C-C-96	11	1	12	3	0	3	4	0	0	1
C-C-97	29	4	33	26	3	29	8	0	0	0
C-C-98	2	3	5	1	1	2	0	2	1	0
C-C-99	15	4	19	10	2	12	2	0	0	1
C-C-100	12	5	17	12	5	17	0	4	0	0
C-C-101	6	17	23	3	8	11	0	0	0	0
C-C-102	31	2	33	18	2	20	1	2	0	0
C-C-103	21	16	37	19	9	28	0	3	0	0
C-C-104A	26	6	32	19	4	23	2	1	0	0
C-C-105	5	1	6	1	5	6	0	4	0	0
C-C-104B	2	0	2	2	0	2	2	1	0	0
C-C-106	7	0	7	3	0	3	0	0	0	0
C-C-107	34	6	40	32	6	38	3	1	1	2
C-C-108	17	20	37	12	5	17	0	3	0	0
C-C-109	4	2	6	0	0	0	3	2	0	0
C-C-110	8	9	17	1	1	2	3	0	0	0
C-C-111	109	58	167	95	55	150	0	0	0	0
C-C-112	4	0	4	2	0	2	1	18	0	0
C-C-113	8	10	18	7	9	16	0	2	1	0
C-C-114	15	3	18	7	2	9	1	1	0	1
C-C-115	23	15	38	20	14	34	3	0	0	0
C-C-116	14	15	29	13	7	20	2	2	0	0
C-C-117	11	3	14	4	2	6	0	2	0	1
C-C-118	29	1	30	0	0	0	2	1	0	0
C-C-119	29	0	29	0	0	0	4	0	0	2
C-C-120	14	0	14	4	0	4	0	4	1	2
C-C-121	70	10	80	58	8	66	1	0	0	0
C-C-122	33	9	42	33	8	41	0	3	1	5
C-C-123	16	9	25	13	5	18	3	1	0	0
C-C-124	17	5	22	2	1	3	0	3	0	0
C-C-125	32	21	53	24	18	42	2	4	0	0
C-C-126	53	72	125	44	65	109	0	3	0	0
C-C-127	15	5	20	0	0	0	2	2	0	0
C-C-128	30	20	50	10	10	20	0	11	0	0
C-C-129	133	240	373	133	240	373	9	11	0	1
C-C-130	16	9	25	8	3	11	3	1	0	0
C-C-131	2	1	3	0	0	0	0	1	2	0
C-C-132	15	2	17	15	2	17	1	1	2	0
C-C-133	23	5	28	17	3	20	0	0	0	5
C-C-134	15	7	22	10	7	17	2	1	0	0
C-C-135	46	17	63	41	17	58	3	0	0	0
C-C-136	5	0	5	0	0	0	0	0	3	0
C-C-137	60	7	67	55	7	62	2	1	0	0
<b>FY 10 TOTAL</b>	<b>2,520</b>	<b>1,028</b>	<b>3,548</b>	<b>1,514</b>	<b>757</b>	<b>2,271</b>	<b>195</b>	<b>162</b>	<b>21</b>	<b>42</b>

1B: Volunteer Assignment Activity Data FY09

C-C-1	12	6	18	2	1	3	3	0	0	0
C-C-2	16	10	26	0	0	0	0	9	0	0
C-C-3	3	4	7	3	4	7	0	14	0	0
C-C-4	11	0	11	11	0	11	1	1	1	0
C-C-5	8	5	13	3	3	6	0	3	0	0
C-C-6	69	15	84	24	6	30	1	1	0	0
C-C-7	14	1	15	12	1	13	7	0	0	0
C-C-8	23	5	28	10	1	11	3	2	0	0
C-C-9	23	2	25	8	0	8	1	6	4	0
C-C-10	5	10	15	5	10	15	2	0	0	1
C-C-11	8	2	10	6	0	6	2	0	0	0
C-C-12	11	2	13	11	2	13	3	0	0	0
C-C-13	21	3	24	13	2	15	2	3	1	0
C-C-14	48	0	48	8	0	8	0	2	0	1
C-C-15	7	8	15	7	8	15	4	1	0	0
C-C-16	11	2	13	0	0	0	3	0	0	0
C-C-17	20	3	23	5	1	6	3	0	0	0
C-C-18	18	0	18	8	0	8	3	3	0	0
C-C-19	10	1	11	10	1	11	3	0	0	0
C-C-20	39	3	42	13	2	15	1	2	0	0
C-C-21	34	0	34	6	0	6	8	1	0	0
C-C-22	5	3	8	5	3	8	0	1	0	1
C-C-23	3	3	6	0	0	0	1	7	0	2
C-C-24	45	19	64	19	1	20	4	1	0	1
C-C-25	8	14	22	4	10	14	3	0	0	0
C-C-26	8	0	8	2	0	2	3	0	0	0
C-C-27	30	3	33	0	0	0	0	0	0	3
C-C-28	13	3	16	13	3	16	3	0	0	2
C-C-29	50	30	80	25	15	40	3	0	0	0
C-C-30	50	30	80	25	15	40	3	0	0	0
C-C-31	8	2	10	2	1	3	0	0	0	3
C-C-32	8	2	10	4	2	6	2	1	0	0
C-C-33	30	25	55	9	0	9	8	0	0	0
C-C-34	42	19	61	32	9	41	3	0	0	0
C-C-35	42	19	61	32	9	41	3	0	0	0
C-C-36	32	13	45	20	7	27	2	0	1	0
C-C-37	41	5	46	11	0	11	3	0	0	0
C-C-38	22	24	46	2	4	6	1	1	1	0
C-C-39	8	0	8	4	0	4	2	1	0	0
C-C-40	9	3	12	7	2	9	4	0	0	0
C-C-41	10	5	15	3	0	3	4	0	0	0
C-C-42	10	4	14	9	4	13	1	2	0	1
C-C-43	32	11	43	12	4	16	3	0	0	0
C-C-44	12	6	18	6	3	9	3	0	0	0
C-C-45	4	4	8	2	1	3	1	1	4	0
C-C-46	1	0	1	0	0	0	3	0	0	0
<b>FY 09 Total</b>	<b>934</b>	<b>329</b>	<b>1,263</b>	<b>413</b>	<b>135</b>	<b>548</b>	<b>113</b>	<b>63</b>	<b>12</b>	<b>15</b>
<b>LOP Total</b>	<b>13,254</b>	<b>5,578</b>	<b>18,832</b>	<b>8,118</b>	<b>3,566</b>	<b>11,684</b>	<b>769</b>	<b>582</b>	<b>97</b>	<b>174</b>



**Table 2**

CNFA-ECCA

Farmer-to-Farmer Program Reporting Table Proposal

Table 2: Host Baseline Data

Host	Country	F2F Project	Institution Type	Date of Baseline Assessment	Potential Beneficiaries					Baseline Data (as appropriate)							
					Members/Owners	Employees	Clients & Suppliers	Family members	Total	Net annual income (US\$)	Annual gross sales (US\$)	Membership	OCAT Rating	Total Value of rural/agricultural loans (US\$)	Number of rural and/or agricultural loans	Area of control/ influence on environmental / Natural Resource (ha)	People with environmental/safety threat
AgroBioVet	Belarus	Livestock	P	10/26/2012	2	10	40	156	208	\$50,000	\$250,000	-	-	-	-	-	-
Avicola Cimislia	Moldova	F&V	P	3/19/2013	1	75	123	398	597	\$274,230	\$2,030,869	-	-	-	-	1500	0
Blue Bird Farm	Belarus	Flexible	F	3/1/2013	2	103	7	336	448	\$376,470	\$470,588	-	-	-	-	32	-
Competition Council	Moldova	F&V	G	2/6/2013	0	41	100	282	423	(\$8,960)	-	-	4	-	-	-	-
Dodikhudo Dehkan Farm	Tajikistan	F&V	P	12/3/2012	8	18	7	132	165	\$10,297	\$12,594	-	1.8	-	-	11	-
Kovalenock Farm	Belarus	Livestock	P	11/15/2012	1	35	16	156	208	\$170,768	\$177,514	-	3.8	-	-	40	-
Laboratory for VermiTechnology	Belarus	Flexible	E	3/1/2013	0	6	20	78	104	\$1,800,000	\$16,900,000	-	-	-	-	-	-
Lactis JSC	Moldova	Dairy	P	6/14/2012	201	226	825	2504	3756	\$4,302	\$7,072,927	201	3.6	-	-	4	-
Madboboev	Tajikistan	F&V	P	11/26/2012	2	35	18	220	275	\$45,545	\$170,798	-	1.9	-	-	5	-
Madino Agro LLC	Moldova	Dairy	F	2/18/2013	2	53	18	146	219	\$22,333	\$355,665	-	3.6	\$15,301	1	228	-
Maximovca Research Dairy Farm	Moldova	Dairy	E	8/3/2012	1	69	21	182	273	\$7,076	\$466,170	-	3.2	-	-	1268	-
Mellifera Cooperative	Belarus	Flexible	C	10/10/2012	14	3	284	903	1204	\$6,329	\$4,118	-	2.5	-	0	14	-
Notus LLC	Moldova	Dairy	P	10/30/2012	4	92	325	842	1263	\$16,097	\$456,422	2	3.2	-	-	525	-
Qalai Surkh Production Cooperative	Tajikistan	F&V	C	3/7/2013	166	166	35	1468	1835	\$11,462	\$34,890	-	2	-	-	98	-
Sartuqay Dehkan Farm	Tajikistan	F&V	F	10/3/2012	190	127	30	1388	1735	\$20,663	\$305,532	-	3	-	-	437	-
Sherghairat Dehkan Farm	Tajikistan	F&V	P	1/11/2013	16	31	16	252	315	\$52,056	\$104,952	-	2.4	-	-	20	-
Teezari Kakhadze	Georgia	Dairy	F	10/18/2012	1	12	270	566	849	\$76,190	\$285,714	-	3.3	-	-	0	-
Ukrainian Fruit Cooperative	Ukraine	F&V	C	6/4/2013	5	214	17	472	708	\$2,972,442	\$6,261,350	-	-	-	-	210	-
BMB LLC	Georgia	Dairy	P	6/8/2011	2	30	185	391	608	\$19,278	\$174,699	-	3.8	-	-	2500	-
Mirzo Dehkan Farm	Tajikistan	F&V	F	3/20/2012	7	12	36	220	275	\$73,333	\$117,669	-	2	-	-	13	-
Yangiobod Dehkan Farm	Tajikistan	F&V	F	7/11/2012	8	18	4	120	150	\$4,076	\$15,299	-	1.7	-	-	25	-
<b>FY13 Baseline Total</b>					<b>633</b>	<b>1376</b>	<b>2397</b>	<b>11212</b>	<b>15618</b>	<b>\$6,003,987</b>	<b>\$35,667,770</b>	<b>203</b>	<b>2.9</b>	<b>\$15,301</b>	<b>1</b>	<b>6930</b>	<b>0</b>

Table 2: Host Baseline Data FY12																	
Sulkhan Turmanidze	Georgia	F&V	P	8/2/2012	1	12	3	32	48	-\$5,075	-	-	3.5	-	-	28	-
Agrometsvi Badiauri LLC	Georgia	F&V	P	1/11/2012	1	30	604	1270	1905	\$112,425	\$270,000	-	3.6	-	-	4	-
Algeteli	Georgia	Dairy	C	1/30/2012	61	34	118	426	639	\$9,226	\$8,036	56	3.6	-	-	1	-
Alva LLC	Georgia	F&V	P	10/25/2011	1	13	4,006	7,236	11,256	\$7,357	\$105,281	-	4.2	-	-	10	-
Davit Kochlamazashvili	Georgia	Dairy	P	10/4/2011	1	32	41	148	222	\$23,032	\$151,515	-	3.8	-	-	2	-
Eco Baghi	Georgia	F&V	P	3/12/2012	1	28	96	250	375	\$36,364	\$121,212	-	3.4	-	-	8	-
Eniseli Ltd	Georgia	F&V	P	9/20/2011	2	41	5	86	134	-\$16,798	\$150	-	3.5	-	-	20	-
Fresh Food Ltd	Georgia	F&V	P	11/4/2012	1	42	10	106	159	-\$65,475	-	-	3.6	-	-	1	-
Georgia Greenhouse Company (GGC)	Georgia	F&V	P	5/23/2012	1	70	660	1,462	2,193	\$77,019	\$232,919	-	4.1	-	-	2	-
Giorgi Khutishvili	Georgia	F&V	F	2/29/2012	3	25	22	100	150	\$28,049	\$97,561	-	4	-	-	54	-
Guria LLC	Georgia	F&V	P	4/12/2011	6	10	27	77	120	\$36,364	\$48,485	-	3.8	-	-	2	-
Hora LLC	Georgia	F&V	P	10/31/2011	2	25	24	92	143	\$24,848	\$121,212	-	3.5	-	-	6	-
Tamari	Georgia	F&V	P	6/5/2012	2	11	2,004	4,034	6,051	-	-	-	-	-	-	-	-
Ivane Lazarashvili	Georgia	F&V	F	11/4/2011	1	23	6	54	84	\$1,704	\$9,468	-	3.7	-	-	20	-
Kalata Service	Georgia	F&V	C	7/11/2011	2	23	339	728	1,092	\$14,251	\$108,383	-	4.4	-	-	-	-
Mzianeti Association	Georgia	Dairy	C	5/14/2012	52	10	52	228	342	\$40,957	\$9,259	52	3.5	\$8,000	1	-	-
Shula LLC	Georgia	Livestock	P	4/12/2012	1	14	350	730	1,095	\$44,257	\$69,273	-	3.6	-	-	-	-
Vaios Valley Ltd	Georgia	Dairy	P	6/20/2012	2	15	55	72	144	\$37,448	\$81,163	-	3.4	-	-	45	-
VT Agro	Georgia	F&V	P	11/18/2011	3	32	5	72	112	-\$78,788	-	-	3.2	-	-	17	-
AGROinform	Moldova	F&V	N	2/20/2012	26	75	4,211	8,624	12,936	\$418,423	\$458,060	15	3.8	-	-	-	-
Agro-Walters LLC	Moldova	F&V	P	3/6/2012	6	77	9	184	276	\$36,118	\$263,180	4	3	-	2	617	-
Beta-Omega LLC	Moldova	Dairy	P	8/17/2011	1	18	123	284	426	\$2,312	\$41,074	-	3.5	-	2	1	-
Carahasani Agro LLC	Moldova	Dairy	P	9/2/2011	1	345	33	758	1,137	\$458,938	\$1,453,451	-	4	-	-	2,100	-
Galaxy of Restaurants LLC	Moldova	Dairy	P	7/17/2012	1	328	3	664	996	\$150,257	\$2,073,114	-	3.7	-	-	-	-
Goncearuc Serghei FF	Moldova	F&V	P	9/21/2011	1	10	27	76	114	\$2,357	\$38,562	-	3.6	-	1	4	-
Heuveland	Moldova	Dairy	F	3/15/2012	1	46	11	116	174	\$15,151	\$553,872	-	-	-	-	1,000	-
Inguta-Doni LLC	Moldova	F&V	P	5/31/2011	1	2	7	20	30	\$77	\$385	-	3.1	-	-	1	-
MACIP	Moldova	F&V	E	3/2/2012	1	27	210	476	714	\$1,697	-	-	3.7	-	-	-	-
Palii Gheorghe Anatol Family Farm	Moldova	Dairy	P	10/22/2011	1	13	5	38	57	\$28,185	\$21,353	-	2.9	-	-	35	-
Strapit LLC	Moldova	Dairy	F	10/1/2012	2	63	37	204	306	\$20,227	\$289,940	1	-	-	1	600	-
Trade Cooperative University	Moldova	F&V	E	8/10/2011	0	200	0	400	600	\$0	\$0	-	3.6	-	-	-	-
Akmal Dehkan Farm	Tajikistan	F&V	F	1/14/2012	6	106	6	472	590	\$2,420	\$15,432	-	2	-	-	21	-
Association of Honey Producers of	Tajikistan	Flexible	C	2/15/2012	374	2	20,805	84,724	105,905	\$2,387	\$15,255	187	1.9	-	-	56,100	187
Mirsaid Dehkan Farms Cooperative	Tajikistan	F&V	C	8/26/2011	253	160	4	1,668	2,085	\$9,865	\$43,718	253	2	-	-	255	-
Saidov	Tajikistan	D/L	P	9/2/2011	1	9	20	120	150	\$22,481	\$112,405	-	2.7	-	-	-	-
SAS Consulting	Tajikistan	F&V	N	4/11/2011	7	30	2	156	195	\$72,976	\$3,720	7	2.8	-	-	-	-
Urunkhojaev	Tajikistan	F&V	P	1/6/2012	3	13	22	152	190	\$23,467	\$19,408	-	2.4	-	-	3	-
Zohidov Dekhan Farm	Tajikistan	F&V	F	3/29/2012	18	18	18	216	270	\$11,004	\$33,010	-	1.9	-	-	12	-
Frumushyka-Nova Sheep Farm	Ukraine	Dairy	F	3/23/2012	3	50	3	112	168	\$19,295	\$89,330	-	3.8	-	-	1,150	-
Technological Agricultural Company	Ukraine	Dairy	P	12/23/2011	2	360	2,548	5,820	8,730	\$29,319,306	\$49,381,188	-	4.3	-	-	50,000	-
Abdurahmon ota PF	Uzbekistan	F&V	F	4/18/2012	1	27	4	128	160	\$2,239	\$4,517	-	4.1	-	-	-	-
Bunyod P.E.	Uzbekistan	F&V	P	11/2/2011	1	15	8	72	96	\$1,996	\$11,973	-	-	-	-	-	-
Ilyos Private Farmer	Uzbekistan	F&V	F	6/26/2012	1	38	3	126	168	\$6,637	\$12,869	-	4.5	-	-	-	-
Ravshanbek	Uzbekistan	F&V	F	8/26/2012	1	29	7	111	148	\$9,628	\$10,518	-	4.6	-	-	-	-
Grodno Regional Private Farmers'	Belarus	Flexible	C	10/28/2011	0	0	162	486	648	\$0	-	-	3.2	-	-	-	-
Turov Cannery	Belarus	Flexible	P	12/22/2011	2	198	19	548	767	-\$2,855,176	-	-	2.6	-	-	-	-
<b>FY12 Baseline Total</b>					<b>859</b>	<b>2,749</b>	<b>36,734</b>	<b>123,958</b>	<b>164,300</b>	<b>\$28,109,432</b>	<b>\$56,380,252</b>	<b>575</b>	<b>3.4</b>	<b>\$8,000</b>	<b>7</b>	<b>112,118</b>	<b>187</b>

Table 2: Host Baseline Data FY11																	
AG Invest LLC	Georgia	F&V	P	2/23/2011	1	15	18	61	95	\$40,981	\$83,721	-	2.8	-	-	0	-
Ango LTD	Georgia	F&V	P	7/2/2009	1	189	30	0	220	\$7,894	\$27,064	-	4.7	-	-	1	-
Eco Milk	Georgia	Dairy	P	11/15/2010	1	16	109	226	352	-	-	-	4	-	-	1	-
EP Trading LTD	Georgia	F&V	P	1/27/2011	1	8	84	167	260	\$28,455	\$130,898	-	3.4	-	-	-	-
Future Corps	Georgia	F&V	C	10/21/2010	14	19	-	59	92	-	\$477	14	4	-	-	2	-
GBDC Caucasia	Georgia	F&V	N	10/5/2010	65	2	325	784	1,176	-	\$1,648	65	-	-	-	-	-
Geoplant Ltd.	Georgia	Flexible	P	6/24/2011	5	395	27	1,196	1,623	-\$824,331	\$749,311	-	4.4	-	-	1,300	-
Hamo LLC	Georgia	Dairy	P	3/18/2011	2	11	0	23	36	-\$303,030	-	-	4.2	-	-	26	-
Laji LLC	Georgia	F&V	P	7/27/2011	1	28	307	605	941	\$406,282	\$1,657,000	-	3.8	-	-	-	-
Mameuli Agro Ltd.	Georgia	F&V	P	2/16/2011	1	400	10	740	1,151	-\$442,856	\$842,762	-	4.7	-	-	680	-
Menji	Georgia	F&V	P	2/24/2011	2	10	1	23	36	-	-	-	4.5	-	-	1	-
Meskhethi LLC	Georgia	Livestock	P	10/7/2010	1	53	2,120	3,913	6,087	\$166,666	\$833,333	-	3.8	-	-	3,400	-
Metskhoveleobis Bazari	Georgia	Livestock	P	10/12/2010	1	12	41,603	74,908	116,542	\$10,989	\$38,461	-	3.8	-	-	1	-
Mziuri Javakheti	Georgia	Dairy	C	10/21/2010	16	16	-	57	89	-	\$16,666	16	4	-	-	50	-
Nino Jimsheleishvili	Georgia	Livestock	P	10/1/2010	2	3	-	9	14	\$0	-	-	3.5	-	-	28	-
NYDC	Georgia	F&V	N	10/5/2010	80	3	80	326	489	-	\$27,115	80	3.7	-	-	-	-
VD Product	Georgia	Livestock	P	5/13/2011	2	3	4	16	25	\$0	\$0	-	4.2	-	-	70	-
Zana Eco	Georgia	F&V	P	4/26/2011	4	13	4	38	59	-\$9,756	\$0	-	3.2	-	-	2	-
AgroValion Cooperative	Moldova	Dairy	C	5/11/2011	19	3	4	52	78	-\$175,439	-	19	2.7	-	-	1,200	-
Asconi	Moldova	F&V	P	10/5/2010	1	352	11	728	1,092	\$2,422,103	\$4,194,123	-	4.7	-	-	473	-
Fics LLC	Moldova	F&V	P	2/5/2010	1	25	33	118	177	\$49,912	\$142,278	-	-	-	-	159	-
Intercentre-Lux LLC	Moldova	Dairy	P	10/15/2010	2	32	17	102	153	\$73,472	\$297,026	-	-	-	-	4,500	-
State Agrarian University	Moldova	F&V	E	12/28/2009	0	19	0	38	57	-	-	-	3.7	-	-	37	-
Rotor LLC	Moldova	F&V	F	5/13/2011	0	3	0	6	9	\$0	\$0	-	2.5	-	-	18	-
TAI-NA	Moldova	F&V	P	4/5/2011	1	8	15	48	72	42,057	420,575	-	4.3	-	-	-	-
Technical University	Moldova	F&V	E	2/16/2011	-	22	-	44	66	-	-	-	-	-	-	-	-
Advisory Information Network	Tajikistan	D/L	N	4/1/2011	0	61	0	244	305	\$176,030	\$667	-	2.6	-	-	-	-
Dary Prirody	Tajikistan	F&V	C	10/6/2010	353	288	4	2,580	3,225	\$169,249	\$169,249	353	2.3	-	-	-	-
Daler Dekhan Farm	Tajikistan	F&V	P	10/29/2010	6	18	18	168	210	\$3,466	\$10,344	-	2.1	-	-	16	-
DF R Nabiev	Tajikistan	F&V	P	5/20/2011	2	95	10	0	107	-\$63,829	-	-	1.8	-	-	3	-
Engineering Technologic Faculty -	Tajikistan	F&V	E	1/24/2011	-	21	250	1,084	1,355	-	-	-	-	-	-	-	-
Isroilov Mukhtorjon Abduvahobovich	Tajikistan	D/L	P	8/17/2010	1	12	-	52	65	\$14,305	\$122,250	-	-	-	-	-	-
Nekon	Tajikistan	D/L	P	1/14/2011	1	50	5	224	280	-	-	-	1.5	-	-	5	-
Normatova	Tajikistan	D/L	P	4/29/2011	1	14	11	104	130	\$26,792	\$88,497	-	1.9	-	-	1	-
Oila	Tajikistan	F&V	P	2/23/2010	1	32	30	252	315	\$4,599	\$34,689	-	1.9	-	-	2	-
Sholikor LLC	Tajikistan	F&V	P	11/10/2010	1	7	8	64	80	\$4,943	\$9,550	-	2.5	-	-	-	-
Sustainable Organic Farming	Tajikistan	F&V	N	10/4/2010	3	12	-	60	75	-	\$27,000	3	2.5	-	-	-	-
Water Users Association Safo	Tajikistan	F&V	N	12/1/2010	657	899	-	6,224	7,780	-	\$60,674	657	1.8	-	-	280	-
Water Users Association Sayod	Tajikistan	F&V	C	10/1/2010	98	8	-	424	530	-	\$28,881	98	-	-	-	1,019	-
Olimbek Private Farm	Uzbekistan	F&V	F	5/16/2011	1	12	7	60	80	\$591	\$1,775	-	4.4	-	-	-	-
MPS Agro	Uzbekistan	F&V	P	8/5/2011	-	-	-	-	-	-	-	-	-	-	-	-	-
Bactria Agro	Uzbekistan	F&V	P	6/17/2011	1	0	0	0	1	-	-	-	-	-	-	-	-
Gurumsaroy M	Uzbekistan	F&V	P	7/11/2011	1	31	1	99	132	\$5,827	\$8,741	-	-	-	-	-	-
Marco Polo	Uzbekistan	F&V	P	9/30/2011	-	-	-	-	-	-	-	-	-	-	-	-	-
Hivzi Alija - HPK	Kosovo	Flexible	P	4/20/2011	1	10	4	0	15	\$4,134	\$13,779	-	1.7	-	-	-	-
New Opportunities for Agriculture	Kosovo	Flexible	N	9/18/2011	3	18	19	0	40	\$73,530	\$98,000	-	-	-	-	11	-
IFC	Belarus	Flexible	N	8/30/2011	0	7	442	0	449	-	-	-	-	-	-	-	-
Sidsad Farm	Belarus	Flexible	F	4/1/2011	1	10	4	38	53	-\$19,481	0	-	2.5	-	-	-	-
<b>FY11 Baseline Total</b>					<b>1,356</b>	<b>3,265</b>	<b>45,615</b>	<b>95,963</b>	<b>146,217</b>	<b>\$1,893,555</b>	<b>\$10,136,553</b>	<b>1305</b>	<b>3.3</b>	<b>0</b>	<b>0</b>	<b>13,286</b>	<b>0</b>

Table 2: Host Baseline Data FY10																	
Adjara Ministry of Agriculture	Georgia	F&V	G	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Agro Invest	Georgia	Dairy	P	11/4/2009	1	10	1	33	45	\$6,941	\$68,824	-	4.8	-	-	217	-
Caucasus Genetics	Georgia	Livestock	P	3/9/2009	2	10	1,407	3,973	5,392	\$24,375	\$51,875	-	2.9	-	-	-	-
Cooperative of Potato Farmers of Jinisi	Georgia	F&V	C	7/13/2009	7	10	5	61	83	\$0	\$130,588	7	4.9	-	-	-	-
Davt Botkveli	Georgia	Dairy	P	9/8/2009	2	5	60	187	254	\$7,229	\$34,623	-	4	-	-	-	-
Gema	Georgia	F&V	F	2/23/2010	1	25	65	254	345	\$125,000	\$1,062,500	-	3.8	-	-	-	-
Geo Stat LTD	Georgia	Livestock	P	12/23/09	2	50	16	190	258	\$42,352	\$148,235	-	4.5	-	-	1,000	-
Giorgi Mindaishvili	Georgia	F&V	P	7/24/2009	1	14	1,006	2,858	3,879	\$13,998	\$173,162	-	4.9	-	-	1	-
Iliia Giorgadze	Georgia	F&V	P	9/14/2009	1	70	8	221	300	\$37,222	\$91,529	-	4.5	-	-	15	-
Nairiji	Georgia	F&V	P	3/29/2010	2	18	1,000	2,856	3,876	-\$48,000	\$0	-	3.7	-	-	8	-
National Milk Producers Association	Georgia	Dairy	C	4/1/2010	1,080	30	8	3,130	4,248	\$28,750	\$28,750	1,080	4	-	-	1	-
Ramaz Khvadagiani	Georgia	F&V	P	6/16/09	5	257	304	1,584	2,150	\$11,764	\$120,588	-	4.3	-	-	59	-
Santa LLC	Georgia	Dairy	P	7/16/2009	2	18	60	224	304	\$108,000	\$171,529	-	4.5	-	-	-	-
Sense Selection	Georgia	F&V	P	6/11/2010	2	8	27	67	104	\$5,291	\$11,628	-	4	-	-	1	-
Tsonori LTD	Georgia	F&V	P	5/15/2009	2	4	4	28	38	\$38,235	\$264,705	-	4.7	-	-	-	-
Agrodor Success LLC	Moldova	F&V	F	2/5/2010	1	28	175	612	816	\$50,563	\$850,607	-	3.9	-	-	21	-
Capital Consulting Company	Moldova	F&V	P	9/1/2010	3	14	42	177	236	\$13,022	\$78,263	-	3.7	-	-	-	-
CPIU - IFAD	Moldova	F&V	N	2/23/2010	-	-	-	0	0	-	-	-	-	-	-	-	-
Cuhagro-Est	Moldova	F&V	P	6/24/2009	4	105	16	375	500	\$53,638	\$996,046	4	4.4	-	-	-	-
Goloseevo	Moldova	Dairy	F	5/27/2010	4	58	16	234	312	\$23,606	\$215,956	-	3.9	-	-	-	-
MoldCoop	Moldova	F&V	C	6/23/2009	300,000	7,000	100	921,300	1,228,400	\$558,251	\$70,720,114	300,000	3.5	-	-	-	-
Podgoreni	Moldova	F&V	F	11/5/2009	1	145	88	702	936	\$151,798	\$1,123,405	-	4.2	-	-	-	-
Prencu Grigori	Moldova	Dairy	P	5/27/2010	1	9	40	150	200	\$6,630	\$37,610	-	2.7	-	-	620	-
Rural Finance Corporation	Moldova	Dairy	R	5/4/2010	-	49	-	147	196	\$9,433,962	-	-	4.5	\$33,261,455	30	-	-
SV Burlescu Family Farm	Moldova	Flexible	F	12/8/2009	2	5	15	66	88	\$15,723	\$23,584	-	2.9	-	-	84	-
Total Gnatiuc	Moldova	Dairy	F	6/11/2010	1	7	20	84	112	\$14,414	\$101,708	-	3.9	-	-	23	-
Ungheni Strawberry Growers	Moldova	F&V	C	10/12/2009	30	120	5	465	620	\$134,770	\$188,679	30	-	-	-	4	-
Vita-Lact Cooperative	Moldova	Dairy	C	10/14/2009	410	20	560	2,970	3,960	\$10,151	\$269,479	410	3.6	-	-	-	-
Vlasov Vladimir Family Farm	Moldova	Flexible	F	12/1/2009	3	14	1	54	72	-	-	-	2.2	-	-	80	-
Amir Dekhan Farm	Tajikistan	F&V	F	12/23/2009	1	100	52	765	918	\$8,190	\$42,586	-	2.6	-	-	40	-
Borshud Micro Lending Fund	Tajikistan	F&V	R	9/10/2009	0	53	1,994	10,235	12,282	\$0	\$36,322	-	3.1	\$717,874	1,400	-	-
Changob Livestock Farm	Tajikistan	D/L	F	4/19/2010	1	5	1	35	42	-\$2,195	\$0	-	1.3	-	-	1,132	-
Firdavsi Dairy Farm	Tajikistan	D/L	F	8/21/2009	1	10	0	55	66	\$6,833	\$14,806	-	3	-	-	112	-
Gushtinger	Tajikistan	F&V	F	1/20/2010	1	4	2	35	42	-\$14,059	\$0	-	1.6	-	-	2	-
Musoev	Tajikistan	D/L	P	1/23/2010	1	2	2	25	30	\$6,697	\$28,110	-	2.8	-	-	-	-
Shohon-1 Dekhan Farm	Tajikistan	F&V	F	12/16/2009	1	10	5	80	96	\$5,682	\$11,818	-	1.6	-	-	42	-
Zoda	Tajikistan	F&V	P	1/7/2010	3	16	11	150	180	\$1,005	\$7,114	-	2.2	-	-	-	-
Univeg Asia	Uzbekistan	F&V	P	6/15/2010	2	50	9	183	244	-	-	-	4.6	-	-	-	-
Kozyatyn Meat Processing Plant	Ukraine	Flexible	P	1/18/2010	5	312	20	963	1,300	\$14,625,000	\$26,625,000	-	3.9	-	-	-	-
Lan LLC	Ukraine	Dairy	F	10/1/2010	3	23	-	48	74	\$472,525	\$1,052,780	-	4	-	-	3,490	-
Milkiland	Ukraine	Dairy	F	3/1/2010	2	17	-	35	54	\$231,230	\$733,795	-	4	-	-	3,100	-
Slavutych Private Farm	Ukraine	Dairy	F	11/3/2009	2	115	66	523	706	\$362,892	\$1,708,375	-	3.3	-	-	6,000	-
AgroCoop	Kosovo	Flexible	F	5/11/2010	1	20	80	303	404	\$70,000	\$950,000	-	-	-	-	-	-
Belarusian State Agricultural	Belarus	Flexible	E	12/2/2009	-	630	2,902	12,362	15,894	-	-	-	2.9	-	-	-	-
Biocom	Belarus	Flexible	P	9/19/2009	1	300	2,326	9,194	11,821	\$966,666	\$4,333,333	-	4.4	-	-	-	-
International Foundation for Rural	Belarus	Flexible	R	3/16/2010	0	6	2,000	7,021	9,027	\$3,350	\$4,908	-	3.3	-	-	170,846	117,300
Stolin Rural Development Fund	Belarus	Flexible	N	5/28/2009	0	4	550	1,939	2,493	\$1,564	\$1,587	-	3.3	-	-	3,342	84,000
Vitebsk State Academy of Veterinary	Belarus	Flexible	E	12/1/2009	-	323	-	1,130	1,453	-	-	-	2.6	-	-	-	-
<b>FY10 Baseline Total</b>					<b>301,595</b>	<b>10,103</b>	<b>15,069</b>	<b>988,083</b>	<b>1,314,850</b>	<b>\$27,613,065</b>	<b>\$112,514,521</b>	<b>301,531</b>	<b>3.6</b>	<b>\$33,979,329</b>	<b>1,430</b>	<b>190,240</b>	<b>201,300</b>

Entity	Country	Activity	Phase	Start	1	7	31	70	109	\$24,800	\$134,000	-	3	-	-	42	-
Agro - 1959 LTD	Georgia	F&V	P	4/2/2009	1	7	31	70	109	\$24,800	\$134,000	-	3	-	-	42	-
Agro Kartli	Georgia	F&V	P	5/5/2009	4	9	27,906	50,254	78,173	\$103,392	\$1,986,391	-	4.5	-	-	1	-
Diana Kakhidze	Georgia	F&V	P	7/10/2009	2	7	1	18	28	\$10,000	\$23,000	-	2.9	-	-	1	-
Ecopex	Georgia	Nuts	P	3/30/2009	3	35	152	342	532	\$30,354	\$276,596	-	2.6	-	-	-	-
Farm Service Center - Agro Alliance	Georgia	F&V	P	4/5/2009	1	4	2,004	3,616	5,625	\$130,000	\$800,000	-	4.7	-	-	-	-
Farm Service Center - Agro Alliance	Georgia	F&V	P	4/7/2009	2	7	1,004	1,823	2,836	\$220,000	\$1,200,000	-	4.7	-	-	-	-
Farm Service Center - Noblex	Georgia	F&V	P	3/30/2009	1	14	1,510	2,745	4,270	\$59,534	\$3,151,656	-	3.4	-	-	-	-
Geoconcentrate	Georgia	F&V	P	7/14/2009	1	45	708	1,357	2,111	\$600,000	\$1,600,000	-	4.5	-	-	1	-
Geonut	Georgia	Nuts	P	2/25/2009	5	40	1	83	128	\$22,934	\$62,275	-	3.7	-	-	230	-
Georgia Business Zone	Georgia	Dairy	P	3/29/2009	4	25	3	58	89	\$55,316	\$166,803	-	2.8	-	-	62	-
Gia Kordzadze	Georgia	F&V	P	4/15/2009	1	12	12,006	21,634	33,653	\$35,825	\$246,786	-	4.2	-	-	1	-
Gurmani	Georgia	Livestock	P	4/29/2009	2	28	17	85	131	\$140,000	\$800,000	-	4.8	-	-	-	-
Herbia	Georgia	F&V	P	6/1/2009	4	58	268	594	924	\$75,200	\$304,033	-	4.8	-	-	3	-
Kakhaberi LTD 2005	Georgia	Dairy	P	3/30/2009	2	35	434	848	1,318	\$29,412	\$176,470	-	2.4	-	-	3	-
Khaki Mesabliashvili	Georgia	F&V	P	7/16/2009	1	5	1,005	1,820	2,830	\$20,630	\$262,494	-	4.5	-	-	-	-
KLGA Tibaani Cheese Plant	Georgia	Dairy	C	2/10/2009	45	7	120	310	481	-	\$28,800	-	4.4	-	-	-	-
Laurus LLC	Georgia	F&V	P	2/4/2009	2	35	350	697	1,083	\$48,000	\$288,000	-	3.9	-	-	70	-
Lursmanashvili	Georgia	F&V	P	4/17/2009	2	3	50,005	90,018	140,028	\$80,000	\$400,000	-	4.7	-	-	-	-
Nektari	Georgia	F&V	P	7/8/2009	2	8	2,005	3,627	5,642	\$40,000	\$80,000	-	4.5	-	-	-	-
Shengi	Georgia	F&V	P	5/17/2009	1	8	64	131	204	\$40,970	\$105,000	-	4.8	-	-	1	-
Tela	Georgia	Livestock	P	7/6/2009	3	22	106	236	366	\$128,088	\$1,039,500	-	4.8	-	-	1	-
Agribusiness Development Project	Moldova	F&V	N	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Agrostoc Cooperative	Moldova	F&V	C	4/2/2009	92	24	97	426	639	-	\$1,137,556	92	4.3	-	-	-	-
INAGRO	Moldova	F&V	P	3/3/2009	6	20	0	52	78	\$266,667	-	6	2.1	-	-	82	-
Lapmol Dairy Processor	Moldova	Dairy	P	4/16/2009	1	470	2,011	4,964	7,446	\$361,896	\$8,943,938	-	4.5	-	-	-	-
Moldasig Insurance Company	Moldova	F&V	R	12/5/2009	0	1,117	137	2,508	3,762	\$1,177,907	n/a	0	4	\$24,038,995	137	-	-
Moldovan Center for Food Safety and	Moldova	Dairy	N	3/31/2009	5	2	0	14	21	-	-	5	4	-	-	-	-
Premium Fruit Cooperative	Moldova	F&V	C	3/25/2009	5	2	5	24	36	-	-	5	3	-	-	-	-
Pulbere Oleg	Moldova	F&V	F	7/1/2009	1	30	0	62	93	\$87,111	\$184,889	-	2.8	-	-	140	-
Table Grapes Growers and Exporters	Moldova	F&V	N	3/31/2009	11	2	0	26	39	-	-	11	2.6	-	-	409	-
Vegetalcom Cooperative	Moldova	F&V	C	4/10/2009	9	2	0	22	33	\$622	\$0	9	2.9	-	-	-	-
Karim Ismoilov-1 Dairy Farm	Tajikistan	D/L	C	7/17/2009	113	124	0	948	1,185	\$16,572	-	113	1.6	-	-	172	-
Siroj Dairy Farm	Tajikistan	D/L	F	6/9/2009	1	18	10	76	105	\$17,707	\$32,146	-	2.1	-	-	1	-
Quvasoy Bekhizor and Muyon	Uzbekistan	F&V	F	4/30/2010	4	8	122	48	182	\$4,240	\$47,557	-	3.4	-	-	600	-
Dzerzhinsk Farm	Belarus	Flexible	P	4/23/2009	1	552	0	1,383	1,935	\$968,613	-	-	3.6	-	-	14,241	-
Soyuz Invest Stroi	Belarus	Flexible	P	5/17/2009	1	80	0	203	283	\$72,204	-	-	3.7	-	-	-	-
<b>FY09 Baseline Total</b>					<b>339</b>	<b>2,865</b>	<b>102,082</b>	<b>191,122</b>	<b>296,398</b>	<b>\$4,867,994</b>	<b>\$23,477,890</b>	<b>241</b>	<b>3.7</b>	<b>\$24,038,995</b>	<b>137</b>	<b>16,061</b>	<b>0</b>
<b>LOP TOTAL</b>					<b>304,782</b>	<b>20,358</b>	<b>201,897</b>	<b>1,410,339</b>	<b>1,937,384</b>	<b>68,488,032</b>	<b>238,176,986</b>	<b>303,855</b>	<b>17</b>	<b>58,041,625</b>	<b>1,575</b>	<b>338,636</b>	<b>201,487</b>

\* F&amp;V = Fruit &amp; Vegetable; D/L = Dairy/Livestock

Table 3

CNFA-ECCA
Farmer-to-Farmer
Table 3: Host Impact Data

Table with columns: Host, Country, Country ZDF Project, Date of Impact Assessment, Beneficiaries (Member/Owners, Employees, Clients, Family members, Total), Estimated Value of Resources Acquired by Host (U.S.\$), Number of Volunteer Recommendations, Economic Impacts (Increase in Net Annual Income, Increase in Rural/Agribusiness Sales, Increase in Value Added from Improved Production Technology, Increase in Membership, Increase in OCAT Rating, Number of New Products/Services), Financial Services Impacts (Increase in Annual Revenues, Increase in Loans), Environmental Impacts (Increase in Area Under Improved Environmental Conditions, Number of People with Improved Environmental Conditions).



**Table 4**

CNFA-ECCA

Farmer-to-Farmer

Table 4: Volunteer Public Outreach and Leveraging of Resources

Name	Number of Press Releases (issued by F2F implementing agency or volunteer) to local press/radio/TV media.	Number of media events by implementers and F2F volunteer.	Number of group presentations by implementers and F2F volunteers.	Number of public outreach activities (Total)	Estimated Value of Resources Leveraged by Grantee and Volunteers in the U.S. (U.S.\$)
Prior Reporting Period	135	421	280	836	\$785,694
Current Reporting Period	7	78	85	170	\$988,452
<b>Total</b>	<b>142</b>	<b>499</b>	<b>365</b>	<b>1,006</b>	<b>\$1,774,146</b>



**Associate Award Table**

Associate Award Reporting for ECCA Leader Award Annual Report (Belarus AA and Georgia AMP)																		
	No. of Volunteers			Number of Volunteer Days Completed	Persons Directly Assisted			Persons Trained			Host Institutions							
	Male	Female	Total		Male	Female	Total	Male	Female	Total	C = Cooperatives and Associations	F = Individual Private Farmers	P = Other Private Enterprises	N = Non-Profit, Public Interest NGOs	E = Public and Private Education Institutions	R = Rural Financial Institutions	G = Public Sector Technical Agencies	Total
LOP Target	-	-	42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Year 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Year 2	7	3	10	164	205	59	264	44	23	67	-	-	-	10	-	-	-	10
Year 3	15	2	17	287	791	319	1,110	557	266	823	-	1	1	13	2	-	-	17
Year 4	14	1	15	265	842	470	1312	708	408	1116	2	-	2	2	1	-	-	7
Year 5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>LOP Total</b>	36	6	42	716	1,838	848	2,686	1,309	697	2,006	2	1	3	25	3	0	0	34

**Annex B: Associate Awards**

- 1. Country:** Belarus
- 2. Project Title:** Farmer-to-Farmer (F2F) Program in Belarus, Associate Award No. 121-A-00-09-00706-00
- 3. LOP Budget:** \$599,923
- 4. Obligated Amount:** \$600,000
- 5. Start Date:** October 1, 2009
- 6. Completion Date:** September 30, 2012

**7. Objective:**

The primary objective of this associate award is to build on past F2F success in Belarus, aiming to reduce citizen dependence on the state through expanding the role of the private sector in agriculture, as well as assisting its integration into international market systems. Belarus is slowly going through a transition from a command economy toward a freer, market-based economic system. F2F volunteer assistance has proven to be an excellent method of bringing new technologies and practices to farms and processing enterprises struggling to modernize and compete in the global marketplace during this transition. Additionally, the cultural exchange aspect of F2F has brought citizens of the US and Belarus together, despite political tensions.

Associate Award activities are divided into four components, all of which include volunteer activities.

- A. Post-harvest Management – Increase technical expertise of farmers, food processors and traders in improved post-harvest management practices. Activities include formal assessment of post-harvest management and value addition needs in the Belarusian agricultural sector, one post-harvest and value addition needs and opportunities conference for key actors, seven volunteer assignments, and one regional study tour for stakeholders in the sector.
- B. Value Addition – Increase technical expertise of farmers, food processors and agribusiness professionals in new product development and adding value to existing products. Activities include one follow-up post-harvest and value addition needs and opportunities conference, five volunteer assignments, and one regional study tour for key stakeholders in the sector.
- C. Agricultural Services – Increase expertise of NGOs in providing services to farmers and food processors. Activities include seven volunteer assignments and four roundtable events bringing volunteers, NGOs and their clients, and other key stakeholders together.
- D. Agricultural and Veterinary Education – Improve the quality of agricultural and veterinary education offered in Belarus. Activities include three volunteer assignments, two training conferences, and one US study tour for key stakeholders in the sector.

## 8. Role of Volunteers:

FY12 was a successful year with the fielding of 13 volunteer assignments. Three study tours were conducted, including a US agricultural education tour to the US, a regional tour to Ukraine on improving post-harvest management systems, and a second regional tour to Ukraine on value addition in greenhouse production. FY12 also saw the facilitation of three conferences, including: food safety and HACCP management systems; blueberry fruit marketability and post-harvest management; and experience and innovations in vegetable growing in the Belarus private sector. A total of five roundtable discussions were also held during the year.

CNFA fully achieved the stated objectives under all four program components in FY12: component A—post-harvest management; component B—value addition; component C—agricultural services; and component D—agricultural and veterinary education. New partnerships were established with primary host organizations representing a wide range of private enterprises as well as agricultural service providers and farmers associations. Relationships with on-going host organizations were strengthened and four primary hosts from previous years of implementation continued working with the program as partners and secondary hosts. Eight new host organizations also benefited from volunteer assistance and other project activities. In FY12, CNFA successfully completed 13 assignments (10 from the associate award and 3 from the leader award), facilitated three international study tours, and conducted five roundtable discussions under the four project components

CNFA has leveraged 12 volunteers to this associate award from the ECCA flexible volunteer pool. The breakdown of associate award and flexible volunteers over the LOP is presented below.

<b>F2F Program in Belarus</b>				
<b>Life of Project Volunteer Breakdown</b>				
	<b>FY10</b>	<b>FY11</b>	<b>FY12</b>	<b>Total</b>
<b>Associate Award Volunteers</b>	1	6	10	<b>17</b>
<b>ECCA Flexible Volunteers</b>	6	3	3	<b>12</b>
<b>Total</b>	<b>7</b>	<b>9</b>	<b>13</b>	<b>29</b>

## 9. Results:

Despite a challenging operating environment, CNFA's implementation of the program met all major performance indicators within budget parameters. Highlights of the program include:

- 23 primary host organizations assisted
- Approximately 190 secondary host organizations assisted
- 1,072 people directly assisted (36% women)
- 19,174 of people indirectly assisted (37% women)

As the only US government sponsored program focused on agricultural development and the strengthening of private sector stakeholders in the agribusiness sector, CNFA conducted

activities that were unique amongst development projects in Belarus. Some noteworthy successes include:

- Engagement with the Belarusian government: created or strengthened relationships with governmental structures and cooperated with influential agricultural educational institutions
- Significant outreach was conducted through a variety of mechanisms generated from more than 60 outreach activities conducted by volunteers, hosts, and CNFA F2F BY office, reaching an estimated 130,000 people.
  - Events included conferences, presentations and meetings conducted by volunteers, submission of information to websites and social media outlets (including multiple submissions to USAID/Belarus' page), press releases, publication of articles in Belarusian press, volunteer reports, etc.<sup>2</sup>
- Local capacity building: increasing the capacity and technical expertise of local NGOs and agricultural cooperatives
- Public-private partnerships: strengthened partnerships between government entities and agricultural producers and processors
- Cross border trade and cooperation: US volunteer technical assistance in combination with international study tours facilitated establishment of contacts at economic, professional, cultural and educational levels between foreign counterparts; cooperation provided platforms to share skills and knowledge and promote new ideas
- Spread of technical assistance materials and volunteer recommendations: volunteers' training materials were translated, posted on IFRD's Information and Resource Center website and the website [www.fermer.by](http://www.fermer.by) and distributed during numerous events

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<sup>2</sup> A detailed catalogue of CNFA's outreach efforts is available upon request.

The table below illustrates program targets and results during FY11-12:

	FY 2011-2012 Activities	
	Targets	Completed
<b>Component A - Post-Harvest</b>	<ul style="list-style-type: none"> <li>• 1 assessment</li> <li>• 1 roundtable conference</li> <li>• 7 volunteer assignments</li> <li>• 1 regional study tour</li> </ul>	<ul style="list-style-type: none"> <li>✓ 1 Post-Harvest Management and Value-Addition Needs and Opportunities assessment</li> <li>✓ 1 roundtable conference</li> <li>✓ 7 volunteer assignments</li> <li>✓ 1 improving post-harvest management systems study tour to Ukraine completed</li> <li>✓ 2 Food Safety and HACCP Management Systems and Blueberry Fruit Marketability and Post-Harvest Management conferences completed</li> </ul>
<b>Component B - Value Addition</b>	<ul style="list-style-type: none"> <li>• 5 volunteer assignments</li> <li>• 1 roundtable conference</li> <li>• 1 regional study tour</li> </ul>	<ul style="list-style-type: none"> <li>✓ 5 volunteer assignments completed</li> <li>✓ 1 roundtable conference completed</li> <li>✓ 1 value addition study tour completed</li> </ul>
<b>Component C - Ag Services</b>	<ul style="list-style-type: none"> <li>• 7 volunteer assignments</li> <li>• 4 roundtable discussions</li> </ul>	<ul style="list-style-type: none"> <li>✓ 7 volunteer assignments completed</li> <li>✓ 5 roundtable discussions completed</li> </ul>
<b>Component D - Ag Education</b>	<ul style="list-style-type: none"> <li>• 3 volunteer assignment</li> <li>• 1 training conference</li> <li>• 1 US study tour</li> </ul>	<ul style="list-style-type: none"> <li>✓ 3 volunteer assignment completed</li> <li>✓ 2 training conferences</li> <li>✓ 1 introduction to US agricultural education tour to US</li> </ul>

#### 10. Summary Indicator Tables:

All flexible volunteer assignments for this associate award funded through the core award are included without distinction in the indicator tables in Annex A, above. The associate award-funded volunteers are included in the associate award indicator table, also in Annex A, above.

- 1. Country:** Georgia
- 2. Project Title:** Access to Mechanization Project (AMP), Associate Cooperative Agreement AID-114-LA-09-00001
- 3. LOP Budget:** \$5,110,607
- 4. Obligated Amount:** \$3,110,607
- 5. Start Date:** September 28, 2009
- 6. Completion Date:** March 28, 2012; Extended to December 1, 2012.

**7. Objective:**

The Access to Mechanization Project (AMP) addresses Georgia's severe shortage of agricultural machinery using a commercially-sustainable, market-oriented methodology for the development of machinery service providers. AMP is using a combination of matching investments, leveraged commercial finance, business and extension training, and volunteer technical assistance to establish 21 Machinery Service Centers (MSCs) that will provide fee-based custom machinery services to at least 12,500 small farmers. Most importantly, due to an increase in available agricultural machinery, small farmers will benefit from timely planting, cultivation and harvest, as well as greater acreage under cultivation, higher productivity, and increased incomes. By allowing farmers to cultivate land that would otherwise be left fallow, access to machinery will translate into \$300 to \$3,000 in additional net household income per hectare. Immediate availability of custom machinery services will improve quality and yield of existing production and MSC equipment will reduce costs for both service providers and farmers, while allowing a greater area to be served by each unit of machinery.

**8. Role of Volunteers:**

As FY12 was the final year of the AMP project, each F2F volunteer was crucial to the work and achievement of AMP objectives. Five different F2F volunteers traveled to Georgia this fiscal year to provide technical assistance to AMP. As the eighteenth MSC opened over the course of FY12, F2F volunteers were recruited to provide assistance on specific topics such as: irrigation and drainage, pest management and biological control methods, and mechanization trainings focused on no-till equipment. These trainings were held in collaboration with the Ministry of Agriculture and Georgian Agrarian University professors in order to build the institutional capacities of both. One of the F2F volunteers also trained farmers and the newly opened MSCs in record keeping as a follow-up assignment to a previous assignment conducted in FY11. By teaching record keeping classes to clients of the MSCs, the F2F volunteer worked with farmers to maintain their sustainability as MSC clients.

**9. Results:**

Throughout AMP's implementation, volunteer expertise and technical assistance was used to emphasize sustainability of MSCs and MSC clients. Over the life of the project, AMP opened 21 MSCs and provided training, monitoring and evaluation to ensure that they developed into sustainable businesses. Due to AMP, within these 21 new MSCs there are over 230 additional pieces of farm equipment, including 49 new tractors and combines and 83 other agricultural

implements, available to deliver services to small and medium scale farmers. New MSCs have generated over \$870,000 in sales of services to farmers, and an additional 18,000 hectares of land is under mechanized agricultural production as a result of the mechanization services. A total of 119 extension trainings were provided to 2,160 farmers and 1,207 farmers attended 78 field days organized by AMP.

**10. Summary Indicator Tables:**

All AMP F2F volunteers are included in the associate award indicator table in Annex A, above.

**Annex C: List of Technical Reports**

The list below is the technical reports completed during the program. The reports themselves have been uploaded to USAID's Development Experience Clearinghouse (DEC).

1. Strawberry Production, IPM and Post-harvest Handling Manual – Kosovo; 16 July 2012; written by Surendra Dara, PhD
2. Strawberry Production, IPM and Post-harvest Handling Manual – Moldova; 26 May 2011; written by Surendra Dara, PhD
3. Strawberry Production, IPM and Post-harvest Handling Manual – Moldova (*In Romanian language*); 26 May 2011; written by Surendra Dara, PhD



## Annex D: Success Stories and Program Outreach



## Farmer-to-Farmer Stories

### Farmer-to-Farmer Program Strengthens Georgian Livestock Sector

#### Caucasus Genetics gets a boost from American volunteer



Photograph Courtesy of Arun Phatak

*F2F Volunteer Dr. Arun Phatak shows Caucasus Genetics employees the proper methods to examine bull semen quality under a microscope.*

The livestock sub-sector in the Republic of Georgia, particularly for those involved in artificial insemination, is already feeling the positive benefits of USAID's Farmer-to-Farmer Program since it began in October 2009.

Livestock has always been a central component of the Republic of Georgia's agricultural sector. The country's unique geography and climate allow for productive livestock operations in all parts of the country. Due to the complexity of land ownership systems and small plot sizes, however, making these operations successful while incorporating modern technical approaches is a constant challenge. Through high-quality volunteer assistance from USAID supported Farmer-to-Farmer (F2F) program, Georgian ranchers and meat processors, among other workers, received training and develop advanced technical skills in essential livestock practices. This valuable assistance is helping to improve livestock operations, expand product offerings, and increase clients, sales and incomes.

One such operation, Caucasus Genetics (CG), is a key livestock services company founded in 2006. In 2010, the company launched a project to produce high quality frozen bull semen to improve the local stock of dairy and beef cattle throughout the country. The same year, F2F volunteer Dr. Arun Phatak traveled to Georgia to assist with this initiative, training CG staff in modern techniques for facilitating artificial insemination (AI), breeding, and semen processing, as well as bull feeding and livestock sanitation. By 2013, CG expanded their product offering by adding frozen bull semen and increasing gross annual sales by 66% and product volume by 20%.

CG is one of the 14 host organizations that received F2F assistance to strengthen the livestock sector in Georgia. In addition to breeding and insemination techniques, volunteers also focused on veterinary management, sanitation, and meat processing and packaging along with other aspects of the industry over the five-year program cycle. As a result of the 21 assignments facilitated in the livestock sub-sector from 2009 – 2013, F2F reached over 36,000 individuals, contributing to an estimated increase in gross annual sales of nearly \$3 million, helping host organizations expand their client and supplier networks by 25%.

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This publication was produced by the U.S. Agency for International Development and its Farmer-to-Farmer Program. It was prepared by CNFA.



## Farmer-to-Farmer Stories

### Horticulturalist Expands Herb and Vegetable Market in Georgia

#### Farmer-to-Farmer Program assists Herbia to increase domestic sales and exports



**Farmer-to-Farmer Volunteer Mr. Judson Reid (kneeling at left) shows a group of university students the proper techniques for growing tomato plants in greenhouses.**

*"If you've done your job, your producer will outgrow your [volunteer] expertise within a year or two. [T]hey're living it day by day, producing the crop in multiple cycles. [The volunteer's job] is just to help them tweak their growing systems a bit."*

- Bruce Williams, F2F volunteer

Founded in 2006, Herbia is the first modern, large-scale agribusiness for greenhouse production and distribution of fresh herbs and vegetables in Georgia. In addition to producing herbs, Herbia also buys and exports fresh herbs from local farmers.

In 2009, Herbia requested assistance from CNFA's Farmer-to-Farmer Program (F2F) in order to improve their competitiveness and facilitate entry into new European markets. US agronomist Dr. Bruce Williams was recruited to assist Herbia in improving their production and post-harvest management to better address the increasing demand for exotic herbs. Williams trained Herbia in arugula and tomato cultivation, storage and packaging. He also provided training on mint and basil gardening and supported staff in developing new products and expanding its client base. Williams emphasized plant spacing and fertilization techniques to improve the quality of Herbia's arugula and other herbs, to ensure that the products would meet export standards.

Williams returned to Georgia in the spring of 2010 to train Herbia in seedless watermelon production, becoming the first company in Georgia to produce this sought after variety. That same spring, volunteer Mr. Judson Reid, an extension agent from New York State, traveled to Georgia and worked with Herbia to improve the company's greenhouse productivity. Reid provided training on the proper use of plant protection inputs and disease management, as well as addressing plant grafting techniques. As a result of Reid's assignment, Herbia improved its production and expanded its client network. The company now supplies large supermarket chains in Georgia with herb and vegetable products and continues to expand exports to former Soviet and European markets as well.

In late 2010, a third volunteer, Mr. Kirk Schmidt, followed up on the work of Williams and Reid, training employees in product storage, packaging, and air and refrigerated transportation, critical for improved export quality. Schmidt's assistance enabled Herbia to lengthen the shelf life of herbs, limiting spoilage and increasing product value.

The F2F program generated positive impact for Herbia, helping them to improve both its operational and financial performance. Most notably, the company realized a 15% increase in sales over three years, both due to increased production as well as increased sales volume and value. Herbia also increased employment by over 200% to more than 300 staff. In addition, the company's arugula has become a major export and can now be found in Georgian, Ukrainian, Polish, German and Dutch markets.

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## Farmer-to-Farmer Stories

### Goat Milk Producer Expands Herd, Products and Profits with Help from Farmer-to-Farmer



Goats feeding on D.A.K. Farm in Belarus.

**"HATS OFF TO F2F VOLUNTEER BRUCE OLCOTT. WE WERE ABLE TO AVOID COMMON PITFALLS AND TO ACHIEVE SUCCESS DUE TO HIS VALUABLE ADVICE. WE LEARNED A GREAT DEAL ABOUT GOATS. THE RESULTS OF OUR OPERATION IN THE PAST YEAR GIVE US CONFIDENCE THAT WE ARE ON THE RIGHT TRACK, AND WITH EVERYTHING IN PLACE, NEXT YEAR WILL BE A BANNER YEAR FOR US ON ALL FRONTS."**

**-DMITRY KRYLOV, OWNER D.A.K. FARM**

U.S. Agency for International Development  
www.usaid.gov

D.A.K. farm is a private commercial producer of goat milk in Belarus. D.A.K.'s owner, entrepreneur Dmitry Krylov, was one of the first private farmers registered in the country and has been in agricultural production for nearly 18 years.

In 2005, he decided to pursue a new niche product. Through market research, he identified goat milk as a highly promising and fast-growing segment of the Belarusian market and purchased a small herd of dairy goats. Thanks to his own successful management, Krylov's initial herd of 126 Saanen goats expanded modestly and his product helped spur demand for raw milk and goat cheese. Yet despite his initial success, he realized he needed assistance in reaching the full potential of the business.

In the summer of 2010, Mr. Krylov sought assistance from the Farmer-to-Farmer (F2F) Program to increase herd productivity. Volunteer Bruce Olcott, Associate Professor of Veterinary Medicine at Louisiana State University, worked with Mr. Krylov to share his knowledge and experience in modern veterinary practices related to dairy goats. Specifically, he identified factors contributing to the herd not meeting its full milk production potential. He trained D.A.K. staff in improved production practices, advanced veterinary management and sanitation, and provided recommendations for disease prevention.

Krylov was eager to implement Mr. Olcott's recommendations, and the benefits from this single assignment are measurable. From 2010 to 2013, D.A.K. Farms increased goat milk production by 28% from 117 tons to 150 tons and increased revenue by nearly 10% over the corresponding period. Mr. Krylov also built a new milking parlor with modern equipment, which reduces the milking time from 3.5 hours to just over one hour, and introduced soft cheese and yogurt to his product offering. As a result of improved breeding practices, he grew his herd from 290 goats in 2010 to 670 in 2013.

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## Farmer-to-Farmer Stories

### Improved Productivity for Moldova Horticulture



Photo by: Titiara Deliu

**Agro-Walters owner, Kelsey Walter; (right) and F2F volunteer, Dr. Bruce Williams (left): inspect the fields benefitting from a new irrigation system and modern growing techniques.**

*[Agro-Walters] is embarking in new endeavors that require expertise and the organization is in a position to change the status quo [in Moldova] for the better.*

*- Thomas Kimmel, F2F volunteer*

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www.usaid.gov

As a private vegetable grower in Moldova's crowded market, Agro-Walters Farm must stay innovative in order to compete. The owners, a former US Peace Corps Moldova volunteer and her husband, are continually improving their operation, adopting new methods and techniques. In February 2012, faced with impending drought and high overhead costs, Walters approached CNFA-Moldova for technical assistance in implementing an improved irrigation strategy.

CNFA responded to Walters' request through the USAID-supported Farmer-to-Farmer (F2F) program by providing technical assistance through two volunteer agricultural experts. The volunteers began with a thorough overview of energy- and cost-saving irrigation techniques tailored to the Moldovan growing environment. This assistance contributed to the design for a more efficient irrigation system and critical cost-saving horticultural practice improvements. With volunteer guidance, the Agro-Walters team installed a modern, low-cost irrigation system that has since decreased the farms operational costs substantially.

After realizing improvements in irrigation infrastructure and operational planning, the owners of Agro-Walters requested a volunteer with expertise in fruit and vegetable production techniques to appeal to higher market standards. The volunteer's targeted training in production strategy resulted in the planting of 2,000 new seeds of asparagus in the farm's greenhouse. Agro-Walters owners also developed a new strategic plan, focusing on the most profitable and cost-effective vegetable crops in Moldova.

CNFA's volunteer technical assistance supported Agro-Walters in decreasing operational costs through a more efficient irrigation system, as well as increasing production efficiency through employee training. Due to a more focused strategic plan, the farm successfully expanded its client base, landing weekly vegetable delivery contracts with four local restaurants. In 2013, Agro-Walters also increased staff by 65% to meet growing demand for its products, hiring ten new permanent employees, all female

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## Farmer-to-Farmer Stories

### Farmer-to-Farmer Volunteers Share Knowledge to Modernize Fruit Orchards in Tajikistan



**F2F volunteer Brian Flanagan (center) demonstrates proper pruning techniques for orchard farmers in Tajikistan's Asht district. April 2012**



**Tajik farmers working on a new apricot orchard that will be planted according to knowledge gained from an F2F volunteer. Sughd Province June 2013**

Akmal Dehkan Farm is located in Tajikistan's portion of the Fergana Valley, a large triangular and very fertile valley in what is an often dry part of Central Asia. The Fergana Valley, in Tajikistan's northwestern Sughd province, is the most productive farmland in a country with only 6% arable land, making this province the country's breadbasket. However, agricultural practices remain antiquated leaving productivity well below its full potential. New borders created after the 1991 collapse of the Soviet Union complicate the trade of produce in the region, stifling cross-border demand and limiting profits from the agricultural sector, leaving productive land idle or under-utilized.

Akmal Dekhan Farm sits on 21 hectares in Sughd province, nearly all of which are devoted to apricot production, producing sweet varieties that are in high demand in local markets. While the orchard is moderately successful in the current Tajik context, CNFA staff determined that volunteer technical assistance through the Farmer-to-Farmer program could generate rapid and sustained results to help the owner increase his income. After analyzing the business of the orchard with the owner, F2F staff determined that the major challenge was low productivity as a result of outdated orchard management techniques.

F2F volunteer Brian Flanagan, an international agriculture and rural development specialist from New York, visited Sughd province for two weeks to train a group of orchard farmers on proper pruning and grafting techniques. Mr. Flanagan also trained owners on the importance of soil testing, and collected a number of soil samples from Akmal Farm, sharing the results and recommendations on proper fertilization once tests results returned. Finally, the volunteer demonstrated an inexpensive, non-toxic dormant oil spray that can be easily mixed using readily available ingredients and is highly effective at controlling many diseases and pests that afflict fruit trees.

Mr. Flanagan's time with Akmal Farm was well spent. Over the course of one growing season (2012 – 2013), gross sales increased 32%, while productivity jumped nearly 30% to 66,800 kilos. Increased productivity of fruit trees translated to higher demand for seasonal employees, which increased from 100 to 122 in 2013 (including 65 women), and increased the number of women seasonally hired by more than 60%.

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## Farmer-to-Farmer Stories

### Volunteers Help Tajik Dairy Producer Boost Sales and Increase Quality of Products in Sughd Province



**F2F volunteer Ranee May, a dairy expert from Wisconsin, stands with the owner and employees of Saidov Dairy.**

*"Saidov is a serious businessman. He puts a lot of effort into producing quality products. In regard to future cooperation, it is obvious Saidov is interested and concerned with technical aspects of the business. I think he [is] quite teachable and eager to learn about production technology or practices to enhance his business."*

*-Dr. Brian Coffey, F2F Volunteer*



**USAID's Feed the Future (FTF) initiative focuses heavily on improving nutrition for youth; CNFA's investments in the dairy value chain further those goals.**

U.S. Agency for International Development  
[www.usaid.gov](http://www.usaid.gov)

In 2005, Tajik entrepreneur Saidjon Saidov opened a small milk processing facility – Saidov Dairy – in the northern Khujand province of Tajikistan, renting space and buying used equipment for production of cheese, sour cream, kefir, and a variety of hard and soft cheeses. Mr. Saidov learned a great deal about the dairy industry through trial and error and over the years steadily expanded his business. By 2010, he was processing 1000 – 1,750 liters of milk per day (depending on the season) into value added dairy products. However, Saidov judged that his production capacity could be increased significantly with expert guidance. With the profits generated from increased sales, he hoped to build a new, modernized production facility.

Saidov's products were popular because of their favorable quality and value. However, Mr. Saidov saw an increasing number of local dairy processors entering the market and projected that competition would increase dramatically within the next two years. Based on this perceived threat, Mr. Saidov approached CNFA in 2011 for help modernizing his business on both the production and financial sides. Mr. Saidov recognized the importance of increasing his consumer base and requested an F2F Volunteer to train him on improving the quality of his products and increasing his product offerings. In late 2011, CNFA sent Ms. Ranee May, a dairy expert from Wisconsin, who spent two weeks with the host covering sanitary procedures, new methods of cutting cheese curds, and potential new product offerings.

A follow-up assignment was conducted in September 2012 to address business and financial matters. Dr. Brian Coffey, an agricultural economics professor from Kentucky with a considerable background in Tajikistan, trained Mr. Saidov on marketing strategies, improved record keeping, and profitability analysis of his products.

Saidov Dairy is faring well despite new market entrants. From 2010 to 2012, gross sales increased by 28%, in part due to the introduction of three new product offerings. Operational expenses decreased by 29% while employee salaries were increased by 50%. Plus, he has begun preparations for building the new production facility.

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## Farmer-to-Farmer Stories

### Farmer-to-Famer Volunteers Work with Host to Introduce Dryers, New Product for Uzbek Market



**Volunteer Rick Christensen and Husan Rahimov, owner of Husan Farm, check the progress of dried fruits and vegetables after 12 hours of drying.**



**CNFA conducted 16 volunteer assignments in Uzbekistan from FY09-FY13. Roughly half of the assignments conducted included trainings on orchard management and production.**

Husan P.F. is a private farm that grows stone fruits and vegetables on a 6 hectare orchard in the Namangan region of eastern Uzbekistan. The owner, Mr. Rahimov, primarily grows apricots and peaches intercropped with a variety of vegetables. Mr. Rahimov contacted CNFA to request assistance on pursuing more value added activities as a way to boost sales and income. After a visit from the Farmer-to-Farmer (F2F) representative where Husan PF's business was analyzed, it was determined that Mr. Rahimov could significantly increase income by drying the fruits from his orchard.

The advantages of drying fruits were first shared with Mr. Rahimov when volunteer Ralf Bucca spent some time at Husan Farm in 2012 on an assignment related to fruit and vegetable production and post-harvest handling. A follow-up assignment was organized with Terrill Christiansen, a specialist in solar dryers with simple designs that can be made with inexpensive locally available materials. Over the course of Mr. Christiansen's assignment in spring 2013, the host was trained on specific technical information concerning the shape and size before being placed in the dryer. Rahimov also learned how to ensure that all produce in the dryers dried evenly as well as information about ideal drying temperatures for various types of produce, and additional treatments like salting to ensure freshness and longevity.

A third volunteer, Rick Christiansen – brother of Terrill – followed up with Mr. Rahimov in summer 2013 to address the inconsistency of the sun during the summer and autumn seasons, which affects solar dryers. Rich Christiansen taught the host how to easily convert the solar dryers already in use to electrical ones, which generated immediate results in terms of taste and visual attractiveness. The volunteer also worked with the host to develop a new product: a sauce made from dried tomatoes, onions, herbs and garlic grown on the farm. The sauce was perfectly suited to Uzbek cuisine and Mr. Rahimov plans to perfect the recipe and market it to local restaurants and markets.

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This publication was produced by the U.S. Agency for International Development and its Farmer-to-Farmer Program. It was prepared by CNFA.

The screenshot shows a web browser window with the URL [www.clemson.edu/extension/peach/video\\_everything\\_about\\_peaches/our-farm.html](http://www.clemson.edu/extension/peach/video_everything_about_peaches/our-farm.html). The page header includes the Clemson University logo and the text "COOPERATIVE EXTENSION" and "putting knowledge to work". The main content area is titled "Our Farm - September 9, 2012" and features a video player. The video player shows a man in a white shirt with a red collar, likely David Birkadze, in a peach orchard. The video player has a play button and a progress bar showing 0:00 / 9:15. Below the video player, there is a background paragraph and a recording date. The sidebar on the left contains various navigation links and download options.

CU > Cooperative Extension > Everything About Peaches > Everything About Peaches (videos) > Our Farm - September 9, 2012

### Our Farm - September 9, 2012

Our Farm - September 9, 2012 (Excerpt with Desm...)

Background: David Birkadze hosts the national, weekly "Our Farm" television program each week in the Republic of Georgia. The purpose of the Program is "to draw the viewers' attention to the agricultural sector: Traditional culture, modern tendencies and the technological developments, viewpoints of farmers and experts in this sphere. The program acquaints the viewer with the people who have been successful in this field to promote the motivation of farmers to advance their activities. It provides to the viewing audience a wide range of interesting subjects connecting to the agricultural issues".

Recording Date: July 7, 2012 while I was visiting the Republic of Georgia through U.S.A.I.D.'s CNFA "Farmer to Farmer" program advising Georgian peach farmers

Link to the September 9, 2012 program (29:38 minutes):  
<http://1tv.ge/video/14592?lang=en>

Download ADOBE READER  
Download ADOBE FLASHPLAYER

Desmond Layne, Peach Orchard Management, Eniseli Invest Ltd, Georgia. September 2012.  
[http://www.clemson.edu/extension/peach/video\\_everything\\_about\\_peaches/our-farm.html](http://www.clemson.edu/extension/peach/video_everything_about_peaches/our-farm.html)



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**San Juan, Puerto Rico: Utilizing Fermentation In Organics Collection**

In Puerto Rico, where average annual temperatures are over 85°F with very high humidity, collection of food scraps becomes a real challenge. Carlos Pacheco, president of Trito Agro-Industrial Services, Inc. (TAIS) in San Juan, has been evaluating a novel technique of source separation of organics. Thirty-gallon carts are used to collect food waste at restaurants. Coffee husks inoculated with efficient organisms are put in the carts to add density and facilitate controlled fermentation. The carts are kept outside of the kitchen with the lid closed and a weight inside to compress the contents and prevent air from getting in. Generators are instructed to kept loading and compressing the food scraps. "The objective on this collection and disposal process is to allow a biweekly food scrap collection program to reduce transportation costs," explains Pacheco. "Besides prolonging the collection time the technique promotes a cleaner and advanced degradedorganic substrate." Collected organics are composted with yard trimmings and utilized as an agricultural soil amendment. "The fermented food scraps also could be used for animal feeding or as a pretreated feedstock for AD systems," he adds.

**Minsk, Belarus: Vermicomposting Advances**

The Laboratory for VermiTechnology (LVT) Development Project based in Minsk, along with its partners, have developed vermicomposting technologies to recycle cattle, pig and poultry manures, as well as brewery waste, into 25 recipes of biohumus-based soil amendments. Additionally, they have created nine recipes of compound animal feeds based on powdered and minced earthworms. Peter Bogdanov, Director of Arizona-based VermiCo, has worked as a volunteer with LVT — through USAID's Farmer-to-Farmer program, implemented through Citizen's Network for Foreign Affairs (CNFA) — to provide technical assistance and advice to LVT in vermicomposting production and marketing. Bogdanov wrote a short article for BioCycle based on his most recent trip in May:



LVT director Svetlana Maksimova oversees ongoing research in her Minsk laboratory at the Scientific and Practical Center for Bioresources and advises over 18 vermifarms in developing commercial production and marketing strategies. She also is coordinating four start-up businesses seeking to produce earthworm-based animal feeds. Part of her strategy is to create brand awareness and national identification by using Eisenia fetida earthworms which she has renamed the Belarusian Plougher. LVT provides research, assesses vermitechnologies, breeds earthworm stock for vermicompost production and develops guidelines for production and marketing.

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Anaerobic Digestion

Peter and Layne Bogdanov, Improvement of Bio Humus Marketing Strategies, Laboratory for VermiTechnology (LVT), Belarus. June 2013.

<http://www.biocycle.net/2013/10/25/composting-roundup-34/>


The screenshot shows a web browser window displaying the agronews.by website. The page features a navigation menu with categories like 'ТОВАРЫ И УСЛУГИ', 'Закупки', 'Предприятия', 'Новости', and 'Форум'. A search bar is visible with the text 'Поиск по сайту'. The main content area displays a news article titled 'Эксперты из США помогут белорусскому сельскому хозяйству' (US experts will help Belarusian agriculture), dated 26 January 2013. The article text describes the 'Volunteers in Agribusiness' program by CNFA (USA), which provides consulting services to Belarusian agricultural enterprises. A photograph shows a group of people, including an American expert, in a rural setting. To the right, there is a promotional banner for BASF with the text 'ЗАЩИТА от заболеваний в новом измерении' (Protection of diseases in a new dimension). Below the main article, there is a section 'Новости наших партнеров' (News of our partners) with several short news items, including one about a bear in Chechnya and another about Yanukovich's return to Ukraine.

Главная / Новости / Это интересно / Зерновые и зернобобовые культуры

## Эксперты из США помогут белорусскому сельскому хозяйству

26 Января 2013, 12:49 Автор: Agronews.by

В Беларуси успешно действует программа «Волонтеры в Агробизнесе» представительства CNFA (США). Программа оказывает консультационную помощь по вопросам производства растениеводческой и животноводческой продукции. Для успешной и продуктивной работы в Беларусь приглашаются американские эксперты, которые и проводят консультации и тренинги.



Основная цель деятельности программы «Волонтеры в Агробизнесе» в Беларуси - оказание консультационных услуг по вопросам ведения современного аграрного производства посредством организации визитов американских экспертов по запросам белорусских производственных и перерабатывающих предприятий. Также проводится обучение специалистов сельхозсектора по вопросам управления и современных технологий производства и переработки продукции сельского хозяйства.

Программа проводится для белорусских предприятий, заинтересованных в повышении эффективности своего производства, внедрении на нем достижений научно-технического прогресса, финансовой стабильности, формировании рыночных отношений в сельхозпроизводстве.

«На данный момент заканчивает свою работу в Горецкой сельхозакадемии американский эксперт по кормопроизводству и

**ЗАЩИТА**  
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Все могло кончиться катастрофой

**Вот что хочет Янукович взамен ...**  
Последнее слово

**Янукович вытворил Такое**  
Местные жители до сих пор в шоке

В России участковый поймал донового, докучавшего пенсионеру

“US Experts Help Belarusian Agriculture”, CNFA Belarus Staff, January 29, 2013, Belarus

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**USAID Belarus**  
On February 27, Ethan Goldrich, Charge d'affaires of the United States of America to the Republic of Belarus, met Mr. Shepherd Ogden, USAID supported CNFA Farmer-to-Farmer Program volunteer. Mr. Ogden is a consultant in marketing of organic produce and an Agricultural Development Officer for Jefferson County (West Virginia) Development Authority. From February 18-27 Mr. Ogden conducted trainings ... See More  
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Cassie Hammond and 9 others like this.

Shep Ogden It was an honor to participate.  
March 7 at 9:07am · Like · 1

Write a comment...

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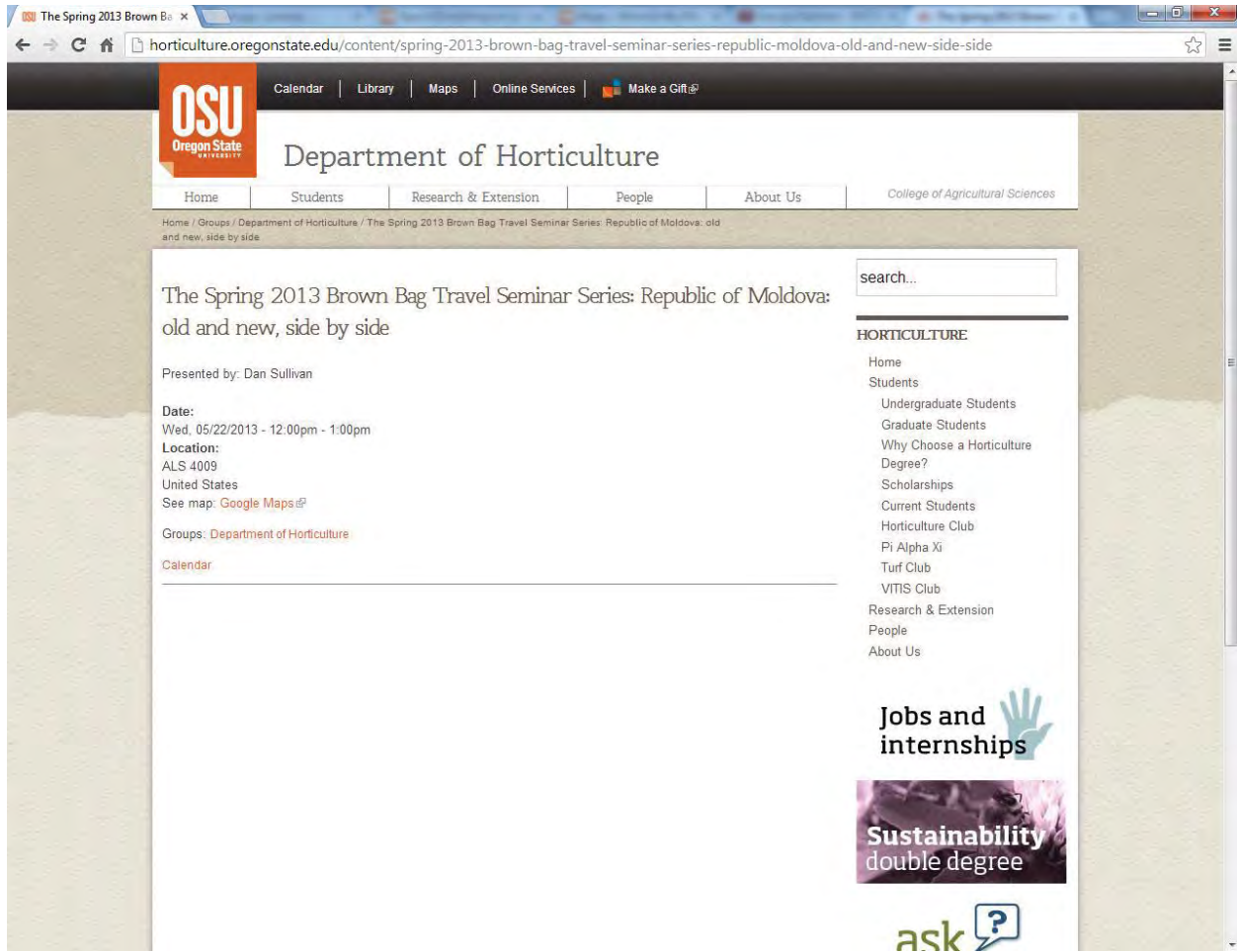
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Shepherd Ogden, Organic Farming Development, Center for Ecological Solutions, Belarus. February 2013.



Dan Sullivan, Plant Nutrition Management, Agrostoc, Moldova. November 2012.

The screenshot shows a web browser window displaying a blog post on the Agrilinks website. The browser's address bar shows the URL: <http://agrilinks.org/blog/farmer-teacher-volunteer-supporting-knowledge-sharing-through-farmer-farmer-program/>. The website header includes the 'FEED FUTURE' logo and the text 'This project is part of the U.S. Government's global hunger and food security initiative'. Below the header is a navigation bar with links for 'ABOUT', 'CONTACT', 'FAQ', 'JOIN AGRILINKS', and 'LOG IN'. The main content area features the 'Agrilinks' logo and the tagline 'Achieving agriculture-led food security through knowledge sharing'. The blog post title is 'Farmer-Teacher-Volunteer: Supporting knowledge sharing through the Farmer-to-Farmer program', dated 'OCT 28, 2013' by 'AG TEAM'. A sidebar on the left lists social media sharing options: LinkedIn (0), Twitter (2), Facebook (1), E-mail, and Print. The main text of the post begins with a quote: 'Whoever made up the old saying that "those who cannot do, teach" probably never met a farmer. That's because if there is one thing that almost all farmers do, it's share and hand down the skills they have learned from others and from hands-on experience.' Below this is a headshot of Bruce Williams, a man with a beard and glasses, wearing a light blue shirt. The text continues: 'In my own case, I have been both a teacher and farmer, each in the most formal sense. For 10 years, I was a member of the extension faculty of North Carolina State University. I have also served as the chair of Agriculture and Horticulture Business Technology at Fayetteville Technical Community College, and held a number of other academic positions. Some in the Carolinas may also know me from my "Grow Your Own with Dr. Bruce" TV show and other educational gardening media projects I've been involved in over the years. At the same time, I also bring my skills to bear as the owner and operator of a farming and timber business in Virginia and North Carolina. By working right where the rubber meets the road, I am a member of that community of people who know the day-to-day challenges and responsibilities of being a farmer.' To the right of the post, there is a 'Contribute to Blog and News' section with a '383 POSTS' counter and a '+ NEWS' button. Below that is a 'Contact Us' section with an envelope icon and the text 'Contact the Agrilinks team to discuss ideas for Blog contributions'. At the bottom of the page, there is a 'You May Also Like' section with three links: 'Gender Integration for Agriculture: Increasing Women's Access to Resources (Brief 2)', 'Extension, Training, and Information Innovations', and 'Choosing Extension Partners: Can we integrate peer learning to improve'.

Bruce Williams, CNFA F2F Volunteer in Moldova, Kazakhstan, Ukraine, and Kosovo. 2012-2013.

<http://agrilinks.org/blog/farmer-teacher-volunteer-supporting-knowledge-sharing-through-farmer-farmer-program/>

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**APPLIED BIOSCIENCES**

**Trainings in Advanced Practices of Irrigation and Drainage systems, March 13, 2012**

Training in Advanced practices of irrigation and drainage systems, sponsored by USAID and conducted by CNFA/Access to mechanization Project (AMP), was held in 13 March, 2012 in the premises of Ivane Javakishvili Tbilisi State University. About 30 students from different specialization of Applied Biosciences program and academic staff members participated in the training session. International Expert Dr. Istvan Keri used different Methods of Training, Power point presentations to introduce the topics and large group questions and answers.

**Main topics discussed during the trainings:**

- # Design and implementation of drainage systems.
- # Drip irrigation systems and implements.
- # Sprinkler irrigation systems and implements.
- # Flood irrigation systems

Project Partners

- University of Alicante
- University of West of England
- Aristotle University of Thessaloniki
- Tbilisi State University
- Yerevan State University
- Georgian State Agrarian University
- Armenian State Agrarian University
- Akaki Tsereteli State University
- Consulting company P&B

Istvan Keri, New Irrigation Technologies, Georgia AMP, Georgia. March 2012.