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# Food Aid Quality Review Quarterly Technical Report No. 5

April 2010 - June 2010

This publication was produced for review by the United States Agency for International Development.  
It was prepared by Tufts University.

**Glossary**

ADA FNCE	American Dietetic Assoc. Food and Nutrition Conference & Expo
AED	Academy for Educational Development
ARS	Agriculture Research Service (USDA)
ART	Antiretroviral Therapy
CROI	Conference on Retroviruses and Opportunistic Infections
CSB	Corn Soy Blend
DACO	Deputy Administrator, Commodity Operations (USDA)
DRI	Dietary Reference Intake
EB	Experimental Biology
EP	Expert Panel
FAD	Foreign Animal Disease (USDA)
FANEP	Food Aid Nutrition Enhancement Pilot
FAQR	Food Aid Quality Review
FAS	Foreign Agricultural Service
FBF	Fortified Blended Food
FFI	Feed the Future Initiative
FFP	Office of Food for Peace (USAID)
FRAT	Fortification Rapid Assessment Tool
FSA	Farm Service Agency (USDA)
GF&N	Global Food and Nutrition, Inc.
GH	Bureau for Global Health (USAID)
HIDN	Office of Health, Infectious Diseases and Nutrition (USAID)
IYCN	Infant and Young Child Nutrition
IFPRI	International Food Policy Research Institute
IHSA	International Humanitarian Studies Association
KCCO	Kansas City Commodity Office (USDA)
LNS	Lipid-Based Nutrition Supplement
LRP	Local and Regional Procurement
MT	Metric Ton
MCHN	Maternal Child Health and Nutrition
MFFAPP	Micronutrient Fortification Food Aid Products Pilot Project
MYAP	Multi-Year Assistance Program
NFSQ	Nutrition, Food Safety/Quality (USDA)
NICHD	National Institute of Child Health and Disease
NIFA	National Institute for Food and Agriculture
NIH	National Institutes of Health
NUGAG	Nutrition Guidelines Expert Advisory Group
NUT	Nutrition Division (USAID/HIDN)
OCBD	Office of Capacity Building and Development
PATH	Program for Appropriate Technology in Health
PEPFAR	President's Emergency Fund for Aids Relief in Africa
PLW	Pregnant or Lactating Women
PLWHA	People Living with HIV/AIDS

PLHIV	People Living with HIV
PM2A	Preventing Malnutrition in Children Under 2 Approach
PTD	Policy and Technical Division (USAID)
PVO	Private Voluntary Organization
REE	Research, Education and Economics (USDA)
RNI	Recommended Nutrient Intake
RUCF	Ready-to-Use Complementary Food
RUSF	Ready-to-Use Supplementary Food
SERD	Science and Education Research Development Unit (USDA)
SYAP	Single-Year Assistance Program
UNSCN	United Nations Standing Committee on Nutrition
WFP	World Food Program
WHO	World Health Organization

**Background Information on the Activity**

The United States Agency for International Development's (USAID) Food for Peace program awarded two-year a contract to Tufts University's Friedman School of Nutrition Science and Policy in April 2009 to examine the nutritional needs of beneficiary populations across the developing world, and the nutritional quality of commodities currently available to meet those needs.

**Scope of the Review**

The project involves an assessment of Title II foods mainly intended for use in programs that seek a defined nutrition outcome. The study is reviewing:

- the nutritional value of existing products and their contribution to nutrition-related activities;
- whether these products and activities respond to beneficiary nutritional needs as effectively as they might; and
- how USAID could respond to defined needs better and more cost-effectively through potential changes in product formulation, the range of products provided, and modes of processing, procurement, and distribution to beneficiaries.

Among important issues being addressed: What guidance does current science provide about the need for inclusion/exclusion, levels and types, of macro and micronutrients in foods provided to highly vulnerable populations? What economic or food technology considerations come into play in seeking to optimize the nutritional content of food aid commodities and get the best nutritional impact for a given level of investment? Should new products or modes of processing, procurement, and distribution be considered for Title II activities? Innovative products are being investigated, as well as the potential for modifications to existing products. Activities to be considered include both non-emergency contexts (mainly maternal and child health and nutrition interventions, Food for Education and PEPFAR-funded programs) and emergency relief.

The review will provide recommendations on, a) how to improve existing products (updating formulations) that are mostly used with defined nutritional outcomes as their goal, b) what kinds of new formulations/products should be considered that would also be used to support clearly-defined nutritional objectives that are not easily met with existing products, c) how product formulations/specifications can be reviewed and updated in a more systematic and on-going manner, and d) steps needed to ensure quality throughout the value-chain. In addition, the review will provide recommendations related to the programming of these products for maximum and most cost-effective nutritional impact.

**Reporting for the period April 1– June 30, 2010****I. Research for the Technical Papers**

During this quarter, the author team developed and presented preliminary findings and discussed possible ranges of recommendations for the Technical Papers. The first Expert Panel meeting, held in April, served as a sounding board for the Food Aid Quality Review's early findings. This well-attended, high-level meeting, along with other consultations throughout the quarter, proved an excellent initial review of preliminary FAQR results and provided input on the latest food science and technology findings, potential Title II commodity formulation changes, potential Title II programming recommendations, and nutrition concerns surrounding HIV/AIDS.

Author-group meetings continued throughout the quarter, both to share current findings and direct further research. Research conducted during this quarter included: a comprehensive review of published and un-published trials of FBFs and LNSs, continued review of scientific evidence surrounding each nutrient in the proposed product reformulations, expanded PVO field survey analysis to inform the programming paper, and further industry and professional consultation.

In June, the sub-set of authors working on product reformulation convened in Boston to review implications of each micronutrient fortification recommendation, and come up with a set of preliminary recommendations for product formulation and operational combinations of products. Cost, packaging, shipping and storage implications were reviewed, as well as nutrient-nutrient interactions and bioavailability among target populations.

The Paper 1 (scientific and technical paper) team developed initial ration scenarios for costing of the reformulation of CSB currently under consideration by the FAQR team. In addition, costing spreadsheets for comparing these two products and other similar products were developed. The framework is underway for applying cost-benefit analysis to these products in a Food for Peace programming setting. Cost per ration of various food aid products will be examined as well as key micro and macronutrients delivered per dollar for commodities. The team has reviewed various packaging models, keeping both logistics and technical aspects in mind.

Additionally, the Paper 2 (programming paper) author team has compiled and analyzed results from its review of development and emergency Title II program documents. These findings are now being used as programming scenarios in which to test current FAQR product recommendations for feasibility and cost (as stated above). These templates will allow the FAQR team to test current formulations in actual country program settings currently on the USAID priority list. Data compiled and analyzed from the PVO field survey is also being used to support current product and program recommendations.

The Paper 3 (HIV paper) group has been meeting regularly during this quarter to review progress against paper development. Responses to this team's survey of PEPFAR country programs have been coming in slowly, and are currently being compiled around key areas of focus for the paper. Compilation of all relevant literature (grey and peer reviewed) is now complete for this paper and, during this quarter, has been summarized into tables for use. The group has also finalized several figures that describe current uses of Title II and other food commodities in HIV/AIDS programs

All authors are progressing well with the first drafts of their paper sections. Below is a summary of preliminary findings based presented for critique and input at the Expert Panel Meeting on April 13, 2010:

Preliminary Scientific and Technical Findings:

The author team has explored several options for improving the micronutrient content of fortified products, making products available fit for their established programming purpose and use, and fortifying additional whole grains to higher degree.

Several possible options for improved micronutrient content of the whole grain ration came to the surface during this quarter. The first option is to increase the share of milled cereals and fortify at US mills, large regional mills, or small-scale local mills. When considering this option, the team looked at fortifying rice at US and regional facilities, a product that is currently not on the market as a fortified food due to technical difficulties. Rice is currently approximately 5% of all grains, but is not being fortified. However, new commercial technology is available for rice fortification, easily making it 16% of milled/improved cereals. The second option is home-fortification via micronutrient powders. The cost would be approximately \$50-\$100 per metric ton, but programming costs and behavior change challenges should also be taken into account.

Fortification cost estimates for these options demonstrated that fortifying milled cereals is currently \$10-12/MT, and increasing to proposed fortification levels would raise it to \$12-14/MT. Rice would have the same fortification level as milled cereals, but would cost approximately \$20-25/MT. Oil currently costs \$3.60/MT to fortify, but at FAQR proposed levels (with additional Vitamin D and Vitamin E) would cost \$3.90/MT.

One of FAQR's goals is to reformulate CSB13 to prevent malnutrition among children 6-23 months of age, manage moderate wasting among children 6-60 months of age, contribute to PLW's nutrition, and provide supplemental nutrition support for PLHIV. There are two options on the table for this reformulation. The first option is a single CSB formulation set at a nutrient level to meet the needs of 6-11 month olds, but able to meet the needs of other groups by adjusting the ration amount. This approach would include a mix of strategies such as improving the micronutrient profile in CSB, reformulating the CSB using an animal protein, and strengthening programming and behavior change at ground level.

The second option is two CSB formulations, one that is more nutrient dense to meet the elevated needs of children 6-23 months of age and other extremely vulnerable groups, and a second to meet the needs of older children, PLW, and other groups that do not require as high of a concentration of micronutrients. Of course this approach would also include a mix of strategies and complementary interventions. Additionally, the premix for the second CSB formulation could also be used to fortify other cereals for distribution, either in US mills or in country.

One objective of this reformulation is to deliver CSB as complementary to breast milk by considering the nutrient, protein and energy content intrinsic to breast milk. For this reason the team has run analyses of breast milk and established that the 6-12 month old child will receive 42% calories from breast milk, 32% from CSB, and 26% from fortified vegetable oil. The child will receive 5 grams protein from breast milk, and 2 grams from whey out of 14 grams total protein. 10% of the calories will come from protein. This is based on a ration that meets 115% of recommended nutrient intake for most micronutrients (and higher levels for key growth nutrients) based on assumption of various losses.

#### Preliminary Programming Findings:

From our survey data we have highlighted several main findings regarding the use of FBFs, and CSB in particular. We found that CSB is used primarily in MCHN programs, followed closely by vulnerable group feeding/social safety net programs. CSB rations vary widely within target groups from as low as 25g/person/day to as high as 250g/person/day or higher. Of those agencies that reported sharing at the household level, we found that when CSB is intended for a specific individual it is shared in 63% of the cases anyway. Because many programs acknowledge expected sharing of FBFs, they also adjust ration size to account for this, but use various adjustment factors.

In light of the increasing use of lipid-based nutrient supplements (LNS) and other nutrient dense foods among the aid community, there is a need to address the appropriate mix and uses of CSB and other FBFs. This includes complementary behavior change interventions, empirical assessment of uses of foods in field settings, and incorporation of programming cost along with cost of food.

There is also a need to explore feasible, cost effective tools for collecting information on consumption patterns in target regions and populations. One method that has arisen in discussion is the FRAT tool used for large-scale fortification programs. The question is: might it be possible or feasible to adapt a tool such as this?

At the forefront is the need for empirical studies of the uses of food aid commodities. To date, there have been no empirical studies of sharing within the household; instead, sharing is widely assumed and accounted for (using various methods) in the ration, but not measured. Assumptions are also made about self targeting of particular commodities, but these have not been tested. And finally, the use of any new commodities (such as RUSFs, powders, spreads, etc.) should be tested in the field at

household level. Some of these studies are ongoing, but a dearth of such studies unfortunately has not precluded the use of such products at the program level.

Assessment and monitoring is needed in field settings at scale. Such assessment should consider cost, self-targeting within household, correct use of commodities, essential complementary activities (e.g. behavior change, health interventions, food security), and sustainability.

Further exploration is needed of the use of local and regional purchase of FBFs and their alternatives in non-emergency settings. Exploration of LRP should keep in mind the goals of local economic development, timeliness of delivery, cost savings, cultural acceptability, and quality standards for production akin to those in the US. Once standards are in place, the US should provide technical assistance if needed to meet those standards.

#### Preliminary Nutrition for PLWHA Findings:

HIV presents a unique context in which to operate nutrition and food aid programming. As a disease, HIV is unique for a number of important reasons: it is a chronic, manageable infectious disease, but even with optimal management there is ongoing viral replication and metabolic demand; HIV alters metabolism *and* HIV treatment (ART) has its own metabolic cost; the presentation of HIV is modulated by co-morbid infections, which also have an impact on nutritional demand and status; techniques and compounds for managing HIV evolve rapidly; and finally if treatment fails, viral resistance develops and HIV infection re-emerges as the prime concern.

In addition to the above, there are further factors affecting the nutritional status of PLWHA and complicating the management of HIV. Food insecurity at the personal, household or community level threatens nutritional status of PLWHA. Adequate intake of food is impeded due to socio-economic status and power structures, as well as HIV symptoms such as depression or nausea. Altered metabolism, physiology or energy demands are further reasons for nutritional compromise in this setting.

The author team has reviewed current policy and program documents on nutrition in an HIV context, and found food aid programs most commonly target acutely malnourished and/or food insecure PLWHA (ART and pre-ART clients), and least commonly target HIV-affected households. A significant proportion of these programs, however, do not use food security or nutrition criteria when targeting households. This raises questions about programming priorities and best practices in this context.

In a review of common objectives for programming of food for HIV, the team found that the most common objective (70% of programs) is treatment of acute malnutrition, the second most common is care and support to improve nutritional status and ART effect, and the third is to prevent or mitigate malnutrition in PLWHA. Different objectives require different commodities and food baskets, pointing to the need for a clearer understanding of ration design in the HIV context.

Based on their review, the HIV-subset of authors has compiled a list of foci for their recommendations: 1) targeting and timing of nutrition intervention in HIV context; 2) definitions of energy requirements, micro- and macro-nutrient levels, and optimal target populations; 3) commodity mix and ration sizes; 4) data on issues surrounding adherence and utilization; and 5) monitoring and evaluation of nutritional impact.

## 2.1 Stakeholder Consultation and Surveys

*Beatrice Rogers* attended the 2010 Experimental Biology (EB) meeting in Anaheim, California on April 24-25, where she held a series of side meetings with relevant professionals to discuss FAQR findings and questions. Dr. Rogers met with Lynnette Neufeld to discuss her research on LNS and her knowledge of research on sharing of complementary foods. She also met with Usha Ramakrishnan to discuss her research and its relevance. In addition, she held several other informal meetings on complementary feeding, and attended several relevant sessions, including one on the PM2A strategy. Dr. Rogers has now received approval to hold a FAQR symposium at the 2011 EB Conference.

While working on a different micronutrient study on a separate budget, Dr. Rogers attended a two-day meeting in Geneva to discuss functional consequences of micronutrient malnutrition and biomarkers, as well as the programmatic role of micronutrients when macronutrients are insufficient. Although not directly tied to the FAQR, Dr. Rogers gathered valuable information, which will inform the writing process.

On April 6, Dr. Rogers and Dr. Webb held a consultation with PATH, a producer of fortified rice. PATH expressed its interest in technology development for micronutrient fortification of rice (extrusion of rice pellets for mixing with grains), and was interested to hear how the FAQR is dealing with cereal fortification issues generally. They discussed PATH's extrusion approach and our mutual interests, and agreed to communicate more often.

*Patrick Webb* traveled to New York City on June 28-29 to hold a series of meetings with UNICEF, WFP and MSF (each separately), updating them on FAQR progress and discussing controversial decisions around programming CSB in combination with RUSFs in the ongoing Niger crisis.

*Nina Schlossman* and *Jessica Tilahun* of GF&N attended various meetings on behalf of the FAQR throughout the quarter.

On May 20, Dr. Schlossman, Dr. Webb, and Ms. Tilahun attended the *Chicago Council Meeting*, which launched the FFI's Feed the Future Guidelines. Dr. Rajiv Shah, Head of USAID, introduced the substance of the guidelines and reiterated the USG's commitment to food security and to the importance of integrating nutrition elements in the FFI framework. Dr. Webb was able to meet informally with a range of professionals interested in FAQR and inform them as to our progress. This included AED, WFP's DC office, IFPRI, and others.

On June 14, Dr. Schlossman and Ms. Tilahun attended the *PATH-IYCN Session* at the *Global Health Council Conference* in Washington, DC. This session covered the issue of the agriculture sector's frequent neglect or negative nutritional effect on vulnerable populations. FFI has two goals: to increase agriculture production and improve nutrition of women and children through community based programming and improving diet quality and diversity by strengthening agriculture and nutrition linkages. IYCN proposed that every project design use a nutrition lens and include a "Nutrition Impact Assessment."

On June 29, Dr. Schlossman and Ms. Tilahun attended a Lugar/Casey Bill Briefing, a Bill which will affect FAQR recommendations as it provides funding for the FFI. The Lugar/Casey Bill update, lead by Connie Viellette, was aimed at industry stakeholders including representatives from NAMA (North American Millers Association), soy producers, corn producers, and other. The Bill seeks to provide a legislative framework for Feed the Future (FTF), and calls for the establishment of a Global Food Coordinator. Also important for FAQR recommendations, a Rapid Response Food Crises Fund was put in to replace LRP.

On April 20, *Mary Chambliss*, consultant for FAQR, *Stuart Clark*, Canadian Foodgrains Bank Senior Policy Advisor, and *Bruce White* of Catholic Relief Services carried out a discussion with leaders of the Trans-Atlantic Food Assistance Dialogue (TAFAD). Mr. Clark briefed all on the TAFAD's view on the 1999 Food Aid Convention (FAC). This is relevant for FAQR as TAFAD is now joining forces with Road Map to End Hunger due to shared goals. TAFAD and Road Map to End Hunger agreed they will push for the following changes/commitments before the current Food aid Convention expires at the end of 2010:

- change unit of measure from "wheat equivalent ton" to Kcals/person/year or Adequate MN/person/year;
- shift to needs-based instead of a supply-based approach;
- increase flexibility on food, cash, vouchers, MMPs, RUTFs, etc;
- implement a bi-annual review linked to a committee on Food Security and/or Food Governance with civil society involvement;
- include participation from countries Brazil, India, and China as well as recipients;
- have recipients sign a code of conduct, like donors, which will include a timeline and template for food aid use.

On May 30-June 5, Ms. Tilahun (under the FAQR budget) and Dr. Schlossman (under a separate budget) attended the *Annual School Feeding Roundtable* and the *Global Child Nutrition Forum* hosted by the Global Child Nutrition Fund and the Partnership for Child Development, respectively. These meetings were particularly important for the FAQR as many school-feeding programs start out using CSB and other FBFs through the USDA's McGovern-Dole program and WFP's school feeding initiative. Ms. Tilahun and Dr. Schlossman gained relevant insight from several NGO and National School Feeding program participants regarding their experiences with these commodities for school-

aged children. Some relevant points for the FAQR were raised both formally and informally, including:

- the need for forward contracting (1-3 years) to meet the structured demand;
- locally prepared CSB;
- WFP's perspective on CSB as a necessary commodity in school feeding;
- the political nature of school feeding programs;
- leakage and other problems and the need for appropriate M&E funding.

*Jack Bagriansky* held multiple long-distance consultations with product producers including Didion and ADM. The first took place on May 18 with Vice President of Sales and Technical Development Staff at Didion. They discussed costs surrounding CSB as well as capacity to produce new variants proposed by the FAQR team. The second and third consultations took place on May 26 and June 8 with Director of Business Development and Vice President of Technical Services of ADM also regarding cost of CSB and capacity to produce new variants. Mr. Bagriansky also held exchanges with WFP from June 4-7 regarding suppliers, techniques and cost of packaging as well as safety considerations on levels of NaFeEDTA in WFP CSB Plus Plus.

*Irwin Rosenberg* attended several meetings on a separate budget including: 1) the Geneva Health Forum on April 16, including sessions on complementary feeding of malnourished children, 2) the Creating Shared Value Forum in London in June to participate in discussions on child malnutrition and micronutrient deficiencies, and 3) a Nestle Institute meeting on July 2 in Geneva, at which he met with Zulfiqar Bhutto, Richard Hurrell and other cochairmen to plan the symposium on micronutrients to be held in the Philippines in March 2011. These meetings proved to be a relevant and useful source of input for the FAQR writing process.

*Christine Wanke* attended *HIV and Nutrition: Reviewing Evidence and Programming Practices to Improve Implementation Efforts*, a meeting led by WFP and George Washington University. This meeting supported development of WFP's HIV and AIDS policy and recommendations for food and nutritional support to patients on ART and TB patients, as well as discussing a basis for the review of scientific evidence for the role of nutrition in HIV and TB. It provided opportunity to discuss the work of the FAQR project in the area of HIV and to link with key stakeholders for this paper.

Dr. Wanke also attended a WHO Nutrition Guidelines Expert Advisory Group (NUGAG) meeting in June. Dr. Wanke was nominated chair of the working group on adults and has been working on a draft working paper in preparation for a state of the science workshop to take place in July that will bring together key scientists and policy makers in this area to explore current understanding of the specific relationships between food, nutrition and HIV/AIDS. This meeting provided an excellent opportunity for the FAQR HIV group to gain support and feedback on the FAQR paper progress.

## 2.2 Meetings organized and presentations.

Authors and expert panel members attended the Expert Panel Meeting in Boston on April 13, 2010. The authors presented FAQR findings and the data gathering process as well as key areas of focus for recommendations. The team received significant feedback and insight from the panel of experts, and was able to establish useful information-sharing channels (see Annex I for agenda and attendees).

Authors held meetings both before the Expert Panel Meeting to prepare, and after to debrief and refocus the FAQR research. These meetings were a useful gathering point for all author teams to compare and reconcile data, plan for the coming quarter, and discuss new input from the expert panel.

The FAQR held a second Interagency Briefing for USDA/USAID partners in Washington, DC on May 19. This meeting engaged USAID and USDA officials regarding inter- and intra-agency coordination. There was continuity in attendance between the first interagency meeting and this second meeting, and attendance was expanded to include representatives of USDA/NIFA (National Institute for Food and Agriculture), USAID/PEPFAR (President's Emergency Program for AIDS Relief), and NIH (National Institutes of Health) who are all involved in various aspects of food product quality improvement, procurement and FBFs. USDA/Kansas City also participated by phone.

The objective of this second meeting was to provide an update on FAQR progress, solicit information from USAID, USDA and NIH on related food aid quality initiatives, and continue our discussion on the way forward. The meeting served to change the discussions from individual products and nutritional requirements to discussion of inter- and intra-agency coordination and mechanisms to improve these processes. We agreed to schedule the third meeting in fall 2010 (see Annex I for agenda and attendees).

Just prior to this meeting, Dr. Webb and Dr. Rogers met with the senior staff of FFP to brief the new director on FAQR goals, progress and timeline. A very productive and timely discussion ensued.

An Author Meeting was held on June 14-15 including all team members working on reformulation of products. This meeting served to move the team closer to agreements on a CSB recipe as well as specifications for industry. Topics covered included vitamin C addition, whey and its nutrition components, calculations of all nutrient amounts based on beneficiary requirements, different types of iron, nutrient-nutrient interactions, and the idea of having one CSB instead of two.

## 2.3 Web-Mediated Outreach.

The website remains active, with 300 registered members. An additional author dialogue page has been added to assist in communication through the paper writing process. Also, the author library has grown to include 47 reference documents for use during drafting. Interest in the FAQR's progress continues to grow; website members await the

posting of findings and recommendations from the first draft of the papers. We decided to wait until findings and recommendations had been reviewed by all authors and several outside parties before posting to the website, as we wish to reach internal consensus before receiving outside comments. We plan to post findings for comment accordingly in August 2010.

## **2. Administrative and Budget Issues**

### **3.1 Staffing**

The FAQR subcontract with Management Sciences for Health came to a close at the end of year one in April 2010.

### **3.2 Budget and Timeline**

The timeline has been slightly revised to reflect increased author meetings needed to complete the Briefing Papers and the shift from holding two large industry consultations to holding many smaller consultations throughout the project (see Annex II).

The revised budget, with no changes to total amount, currently awaits approval.

## **4. Plans for the coming quarter (July-September 2010)**

- All members of the HIV paper group will attend the WHO Nutrition Guidelines Expert Advisory Group (NUGAG) workshop in July.
- Two Author Writing Retreats will be held, one on July 26-28 to reconcile data and compile first draft of the papers, and one on August 24-26 to finalize first drafts of the papers.
- A first draft of the FAQR Technical Papers will be finalized for USAID comment by September.
- FAQR members will hold a side meeting at the Annual Food Aid Conference in Kansas City on August 2-4.
- A third Interagency Meeting will be held with USAID and USDA in Washington, DC, most likely in September.
- Findings and recommendations from the FAQR will be posted to the website to elicit comment after review by USAID partners.
- Ongoing consultations with WFP, producers, stakeholders, and professionals will continue throughout the coming quarter.
- The author team will begin preparation for drafting follow-on studies and trials for recommendation next year.

**Annex I: Meeting Agendas****Food Aid Quality Review  
Joint Expert Panel - Author Meeting**

April 13, 2010 • 8:00 am-6:00 pm (with reception to follow)  
Held at the Double Tree Hotel, Cherry Blossom Room  
821 Washington Street, Boston, MA

## Meeting Agenda

8:00 am – 9:00 am: Registration and Light Breakfast

9:00 am – 12:00 noon: **Paper Presentations by Authors**

Paper 1: Nutrient Needs and Product Formulations

- progress report
- review of what is known, highlighting knowledge gaps
- preliminary conclusions
- preliminary recommendations
- questions and comments

Paper 2: Programming for Nutrition Impact

- progress report
- review of what is known, highlighting knowledge gaps
- preliminary conclusions
- preliminary recommendations
- questions and comments

11:00 am – 11:15 am: Morning Coffee Break

Paper 3: Special Considerations for Persons Living with HIV-AIDS

- progress report
- review of what is known, highlighting knowledge gaps
- preliminary conclusions
- preliminary recommendations
- questions and comments

12:00 noon – 1:00 pm: Break for Lunch

1:00 pm – 3:30 pm: **Expert Panel Break-Out Groups**

1. Scientific and Technical Panel: Cherry Blossom Lobby
2. Policy and Program Implementation Panel: Wisteria Private Meeting

3:30 pm – 4:00 pm: Afternoon Coffee Break

4:00 pm – 6:00 pm: **Plenary Gathering**

Break-Out groups convene. Each group presents suggestions, concerns and recommendations for Papers 1, 2 and 3. A discussion of next steps and timeline will follow.

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We invite you to attend an **Open House Reception** in the Jaharis Café, 150 Harrison Avenue, at 6:30 pm.

**Attendees**

Allen, Lindsay	USDA
Bagriansky, Jack	JBPHN, LLC.
Canahuati, Judy	USAID
Chambliss, Mary	Former – USAID
Coates, Jennifer	Tufts University
Cori, Hector	DSM
Dary, Omar	Food Fortification Specialist
Green, Paul	NAMA
Johnson, Quentin	Quican, Inc.
Kahn, Samuel	Former – USAID
Kang, Kyungjae	Tufts University
Min, Marion	Tufts University
Moody, Stephen	USAID
Reese, Amelia	Tufts University
Rogers, Beatrice	Tufts University
Rosenberg, Irwin	Tufts University
Sadler, Kate	Tufts University
Salvignol, Bertrand	WFP – Rome
Schlossman, Nina	Global Food & Nutrition, Inc.
Schonberg, Ina	IFRC
Sindt, Robert (Bob)	Attorney at Law
Soendergaard, Claus	BASF
Swindale, Anne	FANTA/AED
Tilahun, Jessica	Global Food & Nutrition, Inc.
VanDenBriel, Tina	WFP – Rome
Viswanathan, Anu	Helen Keller International
Wanke, Christine	Tufts University
Webb, Patrick	Tufts University

**Food Aid Quality Review**  
**Joint USAID/USDA Food Aid Quality Review Meeting**

**Date:** May 19, 2010  
**Time:** 12:30-4:30 PM  
**Venue:** Global Food & Nutrition, Inc Office, 2nd Floor Conference Room  
**Address:** 1300 L Street NW, Washington, DC 20005  
**Contact:** Jessica Tilahun or Nina Schlossman – tel: 202-289-0624

We will provide a conference call-in number for those who cannot attend in person.

Meeting Agenda

12:30 – 1:00 PM      Light Lunch

1:00 – 2:00 PM      Introductions: Patrick Webb, Beatrice Rogers, Nina Schlossman, and Mary Chambliss, and Agency Participants

Objectives of the Meeting

Update on the FAQR -- work to date; Expert Panel meetings; industry and agency consultations; next steps

2:00 – 3:15 PM      Agency Updates of Recent Activities and New Initiatives (10 minutes each)

USAID/FFP initiatives: Brooke Isham (invited): update on Local & Regional Purchase (LRP), International Food Relief Partnership (IFRP) new commodities, & Feed the Future Initiative and food security activities

USDA/FAS initiatives: Pat Sheikh (Invited) – update on Local & Regional Purchase (LRP) Pilot & Provide Micronutrient-Fortified Food Aid Products Pilot (MFFAPP) Program under McGovern-Dole International Food for Education and Child Nutrition Program (recent RFP)

USDA/NIFA initiatives: Hiram Larew -- Update on Food Aid Nutrition Enhancement Pilot (FANEP) Program for research and development and field testing of new products for Title II and McGovern-Dole (recent RFP)

USDA/FSA initiatives: Sandra Woods (invited) -- Update on implementation of recommendations from SUSTAIN studies

USDA/KCCO Initiatives: Tim Reaman --Update on procurement, quality assurance & the Web-Based Supply Chain Management (WEBSCM) System roll out

3:15 - 3:30 PM Coffee break

3:30 - 4:30 PM Open Q&A

Solicit Input on FAQR Process

Identify Next Steps

Set date for Next Meeting – September/October 2010

### Attendees

Canahuati	Judy	Nutritionist, FFP & FAQR CTO	USAID/FFP/PTD
Chung	Eunyong	Acting Director Office of Nutrition	USAID/GH/HIDN/NUT
Davidson	Frances	Health Science Specialist	USAID/GH/HIDN/NUT
Moody	Stephen	Food Technologist	USAID/FFP/PTD
Moore	Sylvia	Operations Team Leader, POD	USAID/DCHA/FFP/POD
Skoric	Dale	Division Chief, Policy and Technical Division, FFP	USAID/DCHA/FFP/PTD
Coggin	Brian	Deputy Director, Food Assistance Division, FAS	USDAFAS/OCBD/FAD
Dardis	Patrick	Deputy Director for Procurement, KCCO	USDA/FSA/DACO/KCCO
Finley	John	National Program Leader in Human Nutrition	USDA/ARS/NFSQ
Harding	Amy	Traffic Management Specialist, FAS	USDA/FAS/OCBD/FAD
Ivancic	Kate	Program Assistant, School Feeding and Humanitarian Branch	USDA/FAS/OCBD
Larew	Hiram	Deputy Administrator, International Programs of Science and Education, NIFA	USDA/REE/NIFA/SERD
Miteff	Steve	Deputy Director of KCCO	USDA/FSA/DACO/KCCO
Monahan	James (Jim)	Deputy Administrator for Commodity Operations, FSA	USDA/FSA/DACO
Moore	Joanna	NIFA, Office of Extramural Programs	USDA/NIFA
Reaman	Tim	Division Chief, International Procurement Division, KCCO	USDA/FSA/DACO/KCCO
Sheikh	Pat	Deputy Administrator, Office of Capacity Building & Development, FAS	USDA/FAS/OCBD
Wood	Sandra	Assistant Deputy Administrator, Commodity Operations, FSA	USDA/FSA/DACO
Raiten	Dan	Health Scientist Administrator	NIH/NICHD
Bridges	Lisa	Office Manager	GF&N

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Chambliss	Mary	Consultant, FAQR	Tufts University
Nelson	Randall	Consultant, GF&N	Randall Consulting
Reese	Amelia	Research Coordinator, FAQR/Tufts	Tufts University
Rogers	Beatrice	Co-Principal Investigator, FAQR/Tufts	Tufts University
Schlossman	Nina	Consultation Coordinator, FAQR, Washington DC; President, GF&N	GF&N/Tufts
Tilahun	Jessica	Research and Program Coordinator; M&E Specialist, FAQR/GF&N	GF&N/Tufts
Webb	Patrick	Principal Investigator, FAQR/Tufts	Tufts University

**Annex II: Revised Timeline**

**Food Aid Quality Review  
Timeline April 2010-June 2011 (revised June 2010)**

<b>Work Plan and Project Deliverables</b>				
<b>Year; Project Month</b>	<b>Month</b>	<b>Project Activity</b>	<b>Meetings</b>	<b>Deliverables</b>
13	Apr 2010	<ul style="list-style-type: none"> <li>• Identify key experts to read &amp; review papers</li> <li>• Present Preliminary Recommendations to Expert Panel</li> <li>• Incorporate feedback from Expert Panel into Papers 1, 2, 3 Outlines</li> </ul>	<ul style="list-style-type: none"> <li>• First Expert Panel and Author Team Joint Meeting</li> <li>• Side Meeting at Experimental Biology: Anaheim, CA</li> </ul>	<ul style="list-style-type: none"> <li>• Quarterly Technical Report; Quarterly Financial Report</li> <li>• Monthly contact call</li> <li>• Agenda for side meeting for EB2010</li> </ul>
14	May 2010	<ul style="list-style-type: none"> <li>• Post preliminary recommendations on website for comment</li> </ul>	<ul style="list-style-type: none"> <li>• Joint meeting of USAID/USDA in Washington or in Kansas City, KS</li> </ul>	<ul style="list-style-type: none"> <li>• Monthly contact call</li> </ul>
15	Jun 2010	<ul style="list-style-type: none"> <li>• Drafting Papers 1, 2, 3</li> <li>• Author Review of Papers 1, 2, 3</li> </ul>		<ul style="list-style-type: none"> <li>• Quarterly Technical Report;</li> <li>• Quarterly Financial Report</li> <li>• Monthly contact call</li> </ul>
16	Jul 2010	<ul style="list-style-type: none"> <li>• Drafting and Reconciling Papers 1, 2, 3</li> </ul>		<ul style="list-style-type: none"> <li>• Monthly contact call</li> </ul>
17	Aug 2010	<ul style="list-style-type: none"> <li>• Incorporate KCCO feedback on recommendations</li> </ul>	<ul style="list-style-type: none"> <li>• Annual Food Aid Conference, Kansas City August 2-4.</li> <li>• Authors Retreat: for finalization of recommendations</li> </ul>	<ul style="list-style-type: none"> <li>• Monthly contact call</li> </ul>

<b>Work Plan and Project Deliverables</b>				
<b>Year; Project Month</b>	<b>Month</b>	<b>Project Activity</b>	<b>Meetings</b>	<b>Deliverables</b>
18	Sept 2010	<ul style="list-style-type: none"> <li>• Finalizing First Draft of Paper</li> <li>• Incorporate USAID feedback on Recommendations</li> <li>• Post Paper on website for comment</li> <li>• Begin preparation of project descriptions for follow-on projects and studies</li> </ul>	<ul style="list-style-type: none"> <li>• Joint meeting of USAID/USDA officials: Washington, D.C. (Present Draft Recommendations)</li> </ul>	<ul style="list-style-type: none"> <li>• Quarterly Technical Report; Quarterly Financial Report</li> <li>• First Draft of Paper</li> <li>• Monthly contact call</li> </ul>
19	Oct 2010	<ul style="list-style-type: none"> <li>• Write Draft of Paper 4 (Synthesis)</li> <li>• Initial work on follow-on projects and studies</li> <li>• Begin preparation for Final Report</li> <li>• Incorporate feedback on Paper 4 (Synthesis)</li> </ul>	<ul style="list-style-type: none"> <li>• Food Aid Consultative Group presentation of Recommendations</li> <li>• Advocacy Meeting (to disseminate advocacy process)</li> </ul>	<ul style="list-style-type: none"> <li>• Monthly contact call</li> <li>• Draft Paper 4 (Synthesis)</li> </ul>
20	Nov 2010	<ul style="list-style-type: none"> <li>• Finalize Paper 4 (Synthesis)</li> <li>• Incorporate Expert Panel feedback on Paper</li> <li>• Write Final Report: Draft ready for comment</li> </ul>	<ul style="list-style-type: none"> <li>• Second Joint Expert Panel and Author Team meeting</li> <li>• Fourth meeting of USAID/USDA in Washington to discuss contents of Final Report</li> <li>• Second Industry and Operational stakeholder meetings</li> <li>• ADA FNCE meeting: Boston, MA (HIV/AIDS symposium)</li> </ul>	<ul style="list-style-type: none"> <li>• Final Paper 4 (Synthesis)</li> <li>• Monthly contact call</li> <li>• Draft Final Report for comment</li> </ul>

<b>Work Plan and Project Deliverables</b>				
<b>Year; Project Month</b>	<b>Month</b>	<b>Project Activity</b>	<b>Meetings</b>	<b>Deliverables</b>
21	Dec 2010	<ul style="list-style-type: none"> <li>• Incorporate stakeholder input and other feedback into Final Report</li> <li>• Complete Final Report</li> <li>• Begin to formulate formal proposals for follow-on projects doing new product development and testing</li> </ul>		<ul style="list-style-type: none"> <li>• Final Report</li> <li>• Quarterly Technical Report; Quarterly Financial Report</li> <li>• Monthly contact call</li> </ul>
2011 22	Jan 2011	<ul style="list-style-type: none"> <li>• Prepare proposals for follow-on projects and studies</li> </ul>	<ul style="list-style-type: none"> <li>• Food Aid Consultative Group: presentation of Final Report conclusions</li> </ul>	<ul style="list-style-type: none"> <li>• Project proposals</li> <li>• Monthly contact call</li> </ul>
23	Feb 2011	<ul style="list-style-type: none"> <li>• Meetings with stakeholders, follow up</li> <li>• Plan for follow up work: new commodities, bioavailability studies, field tests, etc.</li> <li>• Project proposals</li> </ul>	<ul style="list-style-type: none"> <li>• HIV/AIDS Conference on Retroviruses and Opportunistic Infections (CROI): run symposium; disseminate results</li> </ul>	<ul style="list-style-type: none"> <li>• Monthly contact call</li> <li>• Prepare for CROI symposium</li> <li>• Submit proposals to USAID</li> </ul>
24	Mar 2011	<ul style="list-style-type: none"> <li>• Meetings with stakeholders, follow up</li> <li>• Planning for follow up work: new commodities, bioavailability studies, field tests, etc.</li> </ul>		<ul style="list-style-type: none"> <li>• Quarterly Technical Report; Quarterly Financial Report</li> <li>• Monthly contact call</li> </ul>

<b>Work Plan and Project Deliverables</b>				
<b>Year; Project Month</b>	<b>Month</b>	<b>Project Activity</b>	<b>Meetings</b>	<b>Deliverables</b>
Future Activities	<i>April 2011 through June 2011</i>		<ul style="list-style-type: none"> <li>• Symposium at Experimental Biology 2011</li> <li>• “FAQR Launch Meeting,” Feinstein International Center, organized by IHSA, Tufts University</li> </ul>	