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Food Aid Quality Review Quarterly Technical Report No. 4

January 2010 - March 2010

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It was prepared by Tufts University.

Glossary

ACDI/VOCA	Agricultural Cooperative Development International / Volunteers in Overseas Cooperative Assistance
ADA FNCE	American Dietetic Assoc. Food and Nutrition Conference & Expo
ADRA	Adventist Development and Relief Agency
CARE	Cooperative for Assistance and Relief Everywhere, Inc.
CATI	Computer Assisted Telephone Interview
COTR	Contracting Officer's Technical Representative
CPI	Counterpart International
CROI	Conference on Retroviruses and Opportunistic Infections
CRS	Catholic Relief Services
CSB	Corn Soy Blend
EFBF	Enriched, Fortified Blended Food
EP	Expert Panel
FAO	Food and Agriculture Organization
FAQR	Food Aid Quality Review
FAS	Foreign Agricultural Service
FBF	Fortified Blended Food
FHI	Food for the Hungry International
GAIN	Global Alliance for Improved Nutrition
GF&N	Global Food and Nutrition, Inc.
IHSA	International Humanitarian Studies Association
LNS	Lipid-Based Nutrition Supplement
MC	Mercy Corps
MCHN	Maternal Child Health and Nutrition
MFFAPP	Micronutrient Fortification Food Aid Products Pilot Project
MYAP	Multi-Year Assistance Program
NIH	National Institutes of Health
OICI	Opportunities Industrialization Centers International
PEPFAR	President's Emergency Fund for Aids Relief in Africa
PLWHA	People Living with HIV/AIDS
PVO	Private Voluntary Organization
REST	Relief Society of Tigray
RUCF	Ready-to-Use Complementary Food
RUSF	Ready-to-Use Supplementary Food
SC (F, US, UK)	Save the Children (France, United States, United Kingdom)
SYAP	Single-Year Assistance Program
TNS	Technoserve
UNSCN	United Nations Standing Committee on Nutrition
WFP	World Food Program
WHO	World Health Organization
WISHH	World Initiative for Soy in Human Health
WV	World Vision

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 January 1 - March 31, 2010**I. Research for the Technical Papers**

The author team has continued to make progress in developing preliminary recommendations for each of the forthcoming Technical Briefing Papers. During this quarter, the authors held three meetings in Boston to share information, discuss early findings, and collaborate to move forward on preliminary recommendations. These meetings proved to be essential for maintaining close inter-author interaction, given the volume of research conducted throughout this quarter, including: a web-based, quantitative phone survey of private voluntary organizations (PVOs); a series of qualitative interviews with senior programming and logistic/procurement officers; technical research on key nutrients for product formulation, and research on the specialized needs of persons living with HIV/AIDS (PLWHA).

Alongside in-person meetings, the authors continue to maintain frequent contact with each other via email, phone, and Skype. Regular contact by email and phone is maintained with the COTR as well. Authors have been responding frequently and regularly to requests for technical input on matters related to this research, including product quality issues and possible new formulations or foods.

The Food Aid Quality Review (FAQR) has also made more progress in compiling information from reports, published literature, technical papers, and consultations with key industry and technical experts. The Paper 1 author team has conducted a review of the literature on Lipid-Based Nutrient Supplements (LNS) and comparison of existing and proposed enriched fortified blended foods (EFBFs) with Dietary Reference Intakes (DRIs) and Michael Golden's requirements for moderately malnourished children. Global Food & Nutrition (GF&N, a subcontractor for the FAQR) and author Jack Bagriansky developed two sets of spreadsheets on the proposed fortification levels of new commodities and their comparisons to various nutritional standards – the first comparing the composition of 12 different general food ration baskets with improved grain fortification levels, and the second comparing the nutrient composition of the current Corn Soy Blend (CSBI3) with a proposed CSB based on Michael Golden's standards. GF&N worked with authors Quentin Johnson and Irv Rosenberg on various aspects of the nutrient requirements. Challenges included determining whether certain levels of fortification would be feasible due to potential organoleptic issues as well as risks in reaching the Tolerable Upper Level Intakes for certain micronutrients.

Additionally, the Paper 2 author team is compiling a review of MYAP and SYAP proposals and end-line Evaluations for Title II programs in countries that are on the priority list or have ongoing emergency programs. Authors have also begun to review ongoing trials of various FBFs, RUSFs, and RUCFs, many including comparison with CSB or with micronutrient powders. The majority of the Paper 2 research efforts during this quarter, however, have been focused on conducting two large-scale surveys:

1. A comprehensive, quantitative, computer-assisted phone survey of all agencies implementing Title II programs using EFBFs;
2. A series of qualitative interviews with key senior programming and logistics officers in agencies familiar with Title II EFBFs.

Below is a summary of author progress based on meetings, phone/email discussions, consultations and research over the quarter. Preliminary findings based on this work will be presented for critique and input at the Expert Panel Meeting in the coming quarter:

Technical Research:

- We have identified a fortification profile for general ration commodities.
- Rough costs for proposed corn meal and wheat flour fortification have been drafted and checked with three premix suppliers, and costs for proposed oil fortification have been checked with one supplier.
- We have compared various versions of the required nutrient content of CSB (notably Michael Golden's standards), and are prepared to recommend nutrition content objectives and fortification levels of a potential CSB reformulation.
- Fortification and reformulation guidelines are drafted based on the needs of 6-11 month old children, taking into account the contribution of breast milk and fortified oil.
- We are ready to project baseline specifications for micronutrients intrinsic in CSB alongside fortification values (in consult with a premix supplier).
- Initial work on rough retention estimates is underway.

Programming Research:

- We continue to find a wide variation in per capita ration sizes of CSB programmed for each type of target group. Reasons for this are variable.
- We find that ration sharing is common, and many programs acknowledge expected sharing of FBFs through their ration calculations, but that they deal with the expectation of sharing in widely varying ways.
- We have identified various programming uses for CSB, including: mother or child nutrition, vulnerable group feeding (PLWHA nutrition), as a wage or incentive, as part of a school feeding ration, and *sometimes* as part of a general ration. The commonest uses, as expected, are in MCHN programs and in vulnerable group feeding (especially PLWHA).
- Preparation methods and preparation instructions for the use of CSB vary by agency and program. All programs that give CSB also give oil, but not all provide instructions to prepare the CSB with oil.
- A few agencies are conducting local and regional procurement of FBFs, but many report concern with the quality of locally-procured CSB and other FBFs.
- Thus far, CSB and fortified vegetable oil are the most commonly used FBFs in Title II programs worldwide.
- Agencies report various issues with quality or availability of CSB from a logistics perspective.
- Thus far, from a programming perspective, support for multiple versions of CSB for different purposes is low among agencies interviewed. Many acknowledge its

potential usefulness but cite programming challenges and conclude that they would prefer a single formulation.

Nutrition for PLWHA Research:

- We have identified primary types of nutritional compromise due to HIV, including: food insecurity; inadequate intake (socio-economic and biomedical reasons); and altered metabolism, physiology, and energy demands.
- We are making progress on identifying specific nutritional needs of specific HIV infected or affected target groups.
- We are investigating various ongoing Food by Prescription programs to identify relevant results (weight gain, adherence, utilization, prevention, etc). We have compared nutrients in Food by Prescription rations and to those in CSBI3.

2. The Consultative Process

2.1 Stakeholder surveys/meetings

The Food Aid Quality Review (FAQR) designed, piloted and conducted a comprehensive quantitative survey of 44 PVOs operating Title II programs using FBFs (please see Annex II). The survey was designed as a computer-assisted telephone interview (CATI), was posted on the web to facilitate follow-along, and was administered in English, French and Spanish in 27 countries worldwide. The survey was made up of four main sections: 1) Food Commodities, 2) The Use of Food Commodities According to Technical Sector, 3) New Commodities, and 4) Logistics. A data analyst, Kyung Jae Kang, joined the FAQR this quarter and has begun conducting analysis of quantitative survey responses. Dr. Kang's data analysis will continue into the coming quarter, informing results and recommendations.

Additional in-depth, qualitative interviews were continued throughout this quarter. Three authors from the Paper 2 team conducted these interviews with key senior program and logistics/procurement officers from various agencies. These and previously conducted interviews provided important input into the finalization of the quantitative survey instrument as well as insight into preliminary recommendations.

Patrick Webb spent considerable time directly engaged in discussion with food aid implementing agencies in Nepal, India and Haiti—none of these trips was paid for out of the FAQR budget, but the travel allowed for considerable field-based interaction around key FAQR issues. From January 2 through 15 he was in Nepal interacting with WFP and local partners (including UNICEF and meetings with USAID) on appropriate uses of FBFs, micronutrient powders, the potential for local milling and fortification of cereals, a re-launch of local production of fortified blended cereals (Champion), and potential for importation of fortified rice. The relatively successful roll out of micronutrient powders across Nepal was particularly noteworthy. He also engaged with WFP in costing models for various alternative delivery mechanisms for key nutrients. From January 16 through 24 Dr. Webb was in India (at St John's Research Institute in Bangalore) in discussion with local scientists on efficacy trials of bioavailability of various iron compounds in

fortificant premixes for cereal fortification, novel bench science approaches to assessing micronutrient deficiencies, and approaches to testing nutrient content in fortified foods. From Feb 24 through March 15, Dr. Webb was on the ground in Haiti assisting the post-disaster needs assessment process. He interacted daily with the emergency nutrition cluster partners, UNICEF, WFP and others on assessments of nutrition needs, appropriate food commodity choices, challenges in programming such commodities, and design of nutrition surveys. He spent a lot of time discussing micronutrient delivery options with implementing partners.

Beatrice Rogers and Amelia Reese Masterson attended a presentation at the *Harvard Nutrition & Global Health Program* by Kathryn Dewey titled “Interventions to Improve Nutritional Status of Children Under Two: The Need to Understand both ‘what to do’ and ‘how to do it’” on March 8, 2010. Dr. Rogers met with Dr. Dewey afterwards to discuss ongoing lipid-based nutrient trials, Dr. Dewey’s research, and their relevance to the FAQR.

Beatrice Rogers has been in contact with the Scientific Program Committee of the American Society of Nutrition to plan a symposium presentation at the next Experimental Biology meeting (to be held in April 2011 in Washington DC) to present the results of the FAQR project.

Nina Schlossman and Leslie Koo of GF&N attended the *2010 WISHH & World Soy Foundation’s Nutrition & Development Conference* on March 18, 2010. This is an annual meeting organized by the World Initiative for Soy in Human Health. This year it was entitled “Food Security: Addressing Availability, Access & Utilization in Developing Countries.”

- Several sessions of relevance to the FAQR included “Improving School Nutrition” and “HIV Nutrition: Design & Support” and on “Haiti Relief: A Forum on Responses & Solutions.” The session on “Targeting Food Products for Food Assistance,” focused on increasing use of peanut-based supplementary and therapeutic products of the Nutriset family, as well as a couple of other products (e.g., MixMe).

Nina Schlossman, Jack Bagriansky and Quentin Johnson held consultations with industry specialists throughout the quarter. This includes consultations with several premix suppliers for the purpose of reviewing initial works on products specifications. Additionally, Dr. Schlossman met or spoke with Expert Panelists Paul Green, Bryant Gardner, Bob Sindt and other industry representatives in preparation for the Expert Panel meeting.

Dr. Schlossman met with USDA/FAS representatives on the McGovern Dole International Food for Education and Child Nutrition Program to learn about their priorities for the new Micronutrient Fortification Food Aid Products Pilot Project (MFFAPP); to introduce the FAQR; and to learn about the use of CSB and FBF in food for education projects. Dr. Schlossman also met with representatives from the Local & Regional Purchase Pilot Program to learn about their progress and priorities.

Quentin Johnson attended the GAIN Africa Regional Forum meeting in Johannesburg, March 28-31. This meeting brought partners together to share lessons learned in combating malnutrition in Africa, highlight ways to improve links between nutrition policies and action, and discuss nutrition program design and implementation. This trip was covered by a separate budget, but the topics discussed and connections made were highly relevant to the FAQR.

Dr. Rogers and *Dr. Sadler* traveled to Ethiopia on a separate budget, and took the opportunity to meet with key stakeholders, with a particular focus on programs using food in the context of HIV programming. *Dr. Rogers* was able to conduct interviews with staff of PVOs implementing Title II programs concerning their uses of the commodities.

Christine Wanke attended a Round Table Discussion on HIV and Nutrition in Washington, DC, March 18-19, sponsored by WFP and The George Washington Global Health Center. The meeting was attended by WFP, NIH, USAID, UNICEF, WHO, and Partners In Health, and included discussion on HIV Nutrition and evidence gaps in the science surrounding this issue.

2.2 Meetings organized and presentations.

- A small author meeting was in held in Boston on January 3 for the purpose of reviewing daily nutrient requirements and adapting them for use in program settings and emergencies.
- A full Author Meeting was held in Boston, January 12-13 (please see Annex I for agenda).
- A meeting of the authors for Paper I was held in Boston, February 15-17 (please see Annex I for details). Significant progress was made on table of preliminary product formulation for review at the Expert Panel Meeting in April
- Plans were completed and preliminary documents sent for a meeting of the Authors with the Expert Panel scheduled for April.
- A formal proposal for a Symposium on the results of the FAQR to be held at the 2011 Experimental Biology meeting was submitted in March.

2.3 Web-Mediated Outreach.

The website remains active, with 23 documents posted on the public site, 42 uploaded and used in the authors only section, and another 3 posted in the interagency only section. As of March 31st the website had 275 registered members. Interest in the FAQR's progress continues to grow; website members await the posting of preliminary findings and draft recommendations for comment. We plan to post these and alert all registered members after the upcoming Expert Panel Meeting to be held on April 13th in the coming quarter.

3. Administrative and Budget Issues

3.1 Staffing

- GF&N, a subcontractor of the FAQR, recruited a Research Associate to replace Leslie Koo who recently transferred to Haiti. The new Research Associate, Jessica Tilahun, MS, RD will start on April 1, and will be contributing to Papers 1 and 2.
- A Data Analyst, Dr. Kyung Jae Kang, has joined the FAQR during this quarter to conduct analysis of quantitative survey responses. As a nutritionist, Dr. Kang is will also focus on identifying key findings relevant to specific levels of the FAQR.

3.2 Budget and Timeline

There have been some modifications in the timeline for the project since the revised timeline was sent in January 2010. The first Expert Panel Meeting will be held on April 13th; the EP will receive summaries of findings and preliminary recommendations anticipated for each paper prior to the meeting. This meeting will provide a space for EP input and critique of paper recommendations before formal drafts are due. To allow for incorporation of EP input, and to allow for the inclusion of all survey results, the first drafts of Papers 1, 2, and 3 will be available in June, with revised drafts anticipated in late August. Work on Synthesis Paper (4) will begin in early August (see Annex III for revised timeline).

We have continued to schedule more face-to-face meetings of the Author Teams than originally anticipated; so far, we are remaining within the amount originally budgeted for meetings, including Stakeholder meetings, USDA/USAID meetings, Expert Panel meetings and Author meetings.

We are planning a budget amendment in light of GF&N's growing role in the FAQR. This will not affect the overall budget total, but will restructure line items within the budget to reflect GF&N's greater effort. This budget amendment was spurred by university requirements for all subcontractor travel to be included as a line item within the subcontract.

The co-PIs and author team leaders continue to devote a level of effort to this project well above that anticipated in the original design of the project for reasons cited in earlier reports. We recommend an overall budget review in the coming months.

4. Plans for the coming quarter (April-June 2010)

- Dr. Rosenberg will attend the Geneva Health Forum on April 16. He will attend sessions on complementary feeding of malnourished children.

- Dr. Rosenberg will attend the planning meeting on April 18 for the Leslie Institute Symposium on micronutrients scheduled for March 2011.
- Dr. Rogers will attend the 2010 Experimental Biology meeting in Anaheim, California on April 24-25. She will be holding a series of side meetings with relevant professionals to discuss FAQR findings and questions and will attend and participate in relevant symposia and mini-symposia.
- Data analysis of the findings from the quantitative PVO survey will continue in this quarter.
- Qualitative interviews with senior program and logistics staff within the PVOs will conclude during this quarter.
- Preliminary recommendations for each of the three papers will be presented at the Expert Panel meeting in Boston on April 13th.
- Further Author meetings will be held, both surrounding the Expert Panel meeting and later in the quarter as paper drafts are developing.
- A second meeting of USAID/USDA officials will be held during this coming quarter.
- Costing of alternative products emerging from the research for Paper I should be available in this quarter. Costing of alternative program options will be conducted after results on programming issues from the stakeholder surveys (both qualitative and quantitative) have been compiled, and input from the Expert Panel meeting have been incorporated.
- Drafts of all three technical briefing papers will be submitted for all-author review in June.
- Dr. Webb will add a couple of days to a trip to Rome in May (paid for by FAO) to have technical FAQR meetings with professionals at WFP.
- Dr Webb will attend the WFP Executive Board meeting scheduled for June 6-12 in Rome. Travel will be covered by the organizers, but items discussed may be relevant to the FAQR.
- Dr. Webb is planning on attending a dialogue on food aid hosted by the German Government in Potsdam, July 7-10. Travel will be covered by the organizers, but items discussed may be relevant to the FAQR.

Annex I: Meeting Agendas

**All Authors Meeting
Tufts Friedman School of Nutrition Science and Policy
Boston, January 12-13, 2010**

Agenda

January 12th	
8:30-9:00am	Coffee, light breakfast
9:00-9:30am	Intro to meeting: Bea Rogers
9:30am-12:30pm	Paper 1: Nina Schlossman, Irv Rosenberg, Quentin Johnson, Jack Bagriansky
	- thinking and approach
	- preliminary findings
	- preliminary conclusions and recommendations for discussion
	- next steps
12:30-1:30pm	Lunch
1:30-4:30pm	Paper 2: Bea Rogers, Nina Schlossman, Anu Harinarayan, Quentin Johnson, Jack Bagriansky
	- thinking and approach
	- survey progress report & preliminary findings
	- outline of Paper 2 with deliverables and action points
	- visioning exercise
4:30-5:00pm	Questions, Wrap-up

*Optional dinner in the area as a group

January 13th	
8:30-9:00am	Coffee, light breakfast
9:00am-12:00pm	Paper 3 (HIV): Christine Wanke, Kate Sadler, Fred Hartman
	- thinking and approach
	- report on progress
	- preliminary findings
	- preliminary conclusions and recommendations for discussion
	- next steps
12:00-1:00pm	Lunch
1:00pm-3:00pm	Discussion and Wrap-up:
	- timeline/deadlines
	- planning for Expert Panel meeting
	- questions/concerns
	- next steps

**Paper I Authors Meeting
Tufts Friedman School of Nutrition Science and Policy
Boston, Feb.15-17, 2010**

Priorities & Details for the Meeting

Outcomes/deliverables for the meeting:

- 1) A set of products for all the target groups – we can use the framework we developed at the end of the last meeting and your general recommendations framework as the basis – there are still several issues that need to be discussed and decisions to made.
- 2) A coherent rationale.
- 3) Cost for the different scenarios –Jack already has templates set up for this.
- 4) Identify literature/reports/research in progress to support our framework and product set – please bring any references you have that might be of use.
- 5) Identify a set of recommendations, implications, questions, research needs, that come out of this piece.

**Jack's outline and framework dovetails nicely.

Meeting details:

Date: Feb. 15
Time: 9am – 5pm
Location: Jaharis 133
Participants: Nina, Irv, Jack, Quentin, Leslie, Bea

Date: Feb. 16
Time: 9am – 5pm
Location: Jaharis 133
Participants: Nina, Patrick, Irv, Jack, Quentin, Leslie, Bea, Amelia

Date: Feb. 17
Time: 9am – 12pm
Location: Jaharis 220
Participants: Nina, Patrick, Jack, Quentin, Leslie, Bea, Amelia

Annex II: Web-based Quantitative Phone Surveys Conducted

Region	Country	Agency	Status
Asia & the Near East	Afghanistan	WV	Done (Amelia Reese Masterson)
	Bangladesh	CARE	Done (Amelia Reese Masterson)
	Bangladesh	SC-US	Done (Amelia Reese Masterson)
	India	CARE	Cancelled; not relevant
	India	CRS	Done (Amelia Reese Masterson)
	Pakistan	WFP	Done (Amelia Reese Masterson)
	Philippines	WFP	Done (Amelia Reese Masterson)
	Sri Lanka	WFP	Done (Amelia Reese Masterson)
	Tajikistan	SC-F	Cancelled; no response.
Central & Southern Africa	Burundi	CRS	Done (Leslie Koo)
	DRC	ADRA	Done (Leslie Koo)
	DRC	FHI	Cancelled; no response.
	DRC	MC	Done (Leslie Koo)
	Madagascar	CRS	Done (Leslie Koo)
	Madagascar	WFP	Done (Leslie Koo)
	Malawi	CRS	Done (Leslie Koo)
	Mozambique	WV	Cancelled; not relevant, only monetize
	Mozambique	ADRA	Cancelled; not relevant, only monetize
	Mozambique	SC-F	Cancelled; not relevant, only monetize
	Mozambique	FHI	Cancelled; not relevant, only monetize
	Rwanda	ACDI/VOCA	Done (Amelia Reese Masterson)
	Uganda	WFP	Cancelled; no response.
	Uganda	ACDI/VOCA	Done (Amelia Reese Masterson)
	Uganda	MC	Done (Amelia Reese Masterson)
Zambia	CRS	Cancelled; not relevant, no Title II EFBFs	
East Africa & the Horn	Djibouti	WFP	Done (Amelia Reese Masterson)
	Ethiopia	CARE	Done (Amelia Reese Masterson)
	Ethiopia	CRS	Done (Amelia Reese Masterson)
	Ethiopia	FHI	Done (Amelia Reese Masterson)
	Ethiopia	REST	Done (Amelia Reese Masterson)
	Ethiopia	SC-F	Done (Amelia Reese Masterson)
	Ethiopia	SC-UK	Done (Amelia Reese Masterson)
	Ethiopia	WFP	Done (Amelia Reese Masterson)
	Kenya	WFP	Done (Amelia Reese Masterson)
	Sudan	WFP	Done (Amelia Reese Masterson)
Latin America & the Caribbean	Ecuador	WFP	Done (Leslie Koo)
	Guatemala	CRS	Done (Leslie Koo)
	Guatemala	SC-F	Done (Leslie Koo)
	Guatemala	MC	Done (Leslie Koo)
	Guatemala	SHARE	Done (Bea Rogers)
	Haiti	CRS	Cancelled
	Haiti	WV	Cancelled

	Haiti	ACDI/VOCA	Cancelled
	Honduras	WV	Cancelled; not relevant.
West Africa & the Sahel	Burkina Faso	CRS	Done (Leslie Koo)
	Burkina Faso	Africare	Done (Nesly Metayer)
	Chad	Africare	Done (Leslie Koo)
	Ghana	OICI	Done (Leslie Koo)
	Ghana	TNS	Cancelled; do not distribute food
	Guinea	OICI	Done (Leslie Koo)
	Liberia	CRS	Cancelled; no response.
	Mali	CRS	Done (Leslie Koo)
	Mali	Africare	Done (Nesly Metayer)
	Mauritania	CPI	Done (Leslie Koo)
	Niger	Africare	Done (Leslie Koo)
	Niger	CRS	Done (Leslie Koo)
	Niger	CPI	Done (Leslie Koo)
	Senegal	CPI	Done (Nesly Metayer)
	Sierra Leone	CARE	Done (Leslie Koo)
TOTAL	Countries contacted = 33	Agencies contacted=59	Agencies responded=44 Not relevant/cancelled=15

Annex III: Revised Timeline

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

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

Work Plan and Project Deliverables				
Year; Project Month	Month	Project Activity	Meetings	Deliverables
18	Sept 2010	<ul style="list-style-type: none"> • Post Papers 1,2 3 on website for comment • Begin preparation of project descriptions for follow-on projects and studies • Write Draft of Paper 4 (Synthesis) 	<ul style="list-style-type: none"> • Joint meeting of USAID/USDA officials: Washington, D.C. (Present Papers 1, 2, 3) 	<ul style="list-style-type: none"> • Quarterly Technical Report; Quarterly Financial Report • Monthly contact call • Draft of Paper 4 (Synthesis)
19	Oct 2010	<ul style="list-style-type: none"> • Incorporate feedback on Paper 4 (Synthesis) • Finalize Paper 4 (Synthesis) • Initial work on follow-on projects and studies • Begin preparation for Final Report 	<ul style="list-style-type: none"> • Second Joint Expert Panel and Author Team meeting • Food Aid Consultative Group presentation of Paper 4 (Synthesis) • Advocacy Meeting (to disseminate advocacy process) • UNSCN meeting: Bangkok, Thailand 	<ul style="list-style-type: none"> • Monthly contact call • Final Paper 4 (Synthesis)
20	Nov 2010	<ul style="list-style-type: none"> • Write Final Report: Draft ready for comment 	<ul style="list-style-type: none"> • Fourth meeting of USAID/USDA in Washington to discuss contents of Final Report • Second Industry and Operational stakeholder meetings • ADA FNCE meeting: Boston, MA (HIV/AIDS symposium) 	<ul style="list-style-type: none"> • Monthly contact call • Draft Final Report for comment
21	Dec 2010	<ul style="list-style-type: none"> • Incorporate stakeholder input and other feedback into Final Report • Complete Final Report • Begin to formulate formal proposals for follow-on projects doing new product development and testing 		<ul style="list-style-type: none"> • Final Final Report • Quarterly Technical Report; Quarterly Financial Report • Monthly contact call

Work Plan and Project Deliverables				
Year; Project Month	Month	Project Activity	Meetings	Deliverables
2011 22	<i>Jan 2011</i>	<ul style="list-style-type: none"> • Prepare proposals for follow-on projects and studies 	<ul style="list-style-type: none"> • Food Aid Consultative Group: presentation of Final Report conclusions 	<ul style="list-style-type: none"> • Project proposals • Monthly contact call
23	<i>Feb 2011</i>	<ul style="list-style-type: none"> • Meetings with stakeholders, follow up • Plan for follow up work: new commodities, bioavailability studies, field tests, etc. • Project proposals 	<ul style="list-style-type: none"> • HIV/AIDS Conference on Retroviruses and Opportunistic Infections (CROI): run symposium; disseminate results 	<ul style="list-style-type: none"> • Monthly contact call • Prepare for CROI symposium • Submit proposals to USAID
24	<i>Mar 2011</i>	<ul style="list-style-type: none"> • Meetings with stakeholders, follow up • Planning for follow up work: new commodities, bioavailability studies, field tests, etc. 		<ul style="list-style-type: none"> • Quarterly Technical Report; Quarterly Financial Report • Monthly contact call
Future Activities	<i>April 2011</i> <i>June 2011</i>		<ul style="list-style-type: none"> • Symposium at Experimental Biology 2011 • “FAQR Launch Meeting,” Feinstein International Center, organized by IHSA, Tufts University 	