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QUARTERLY REPORT # 2 HELPING ADDRESS RURAL VULNERABILITIES AND ECOSYSTEM STABILITY (HARVEST) PROGRAM



April-June 2011

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Cover page photo: *Villagers harvest fish in an aquaculture pond to sell at the market.*

Photos by Fintrac Inc.

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The author's views expressed in this publication do not necessarily reflect the views of the United States Agency for International Development or the United States Government.

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EXECUTIVE SUMMARY

This is the second Quarterly Report (April-June 2011) for USAID-HARVEST, a five-year food security initiative focused on increasing incomes for 70,000 rural Cambodian households. Phase I activities were concluded this quarter, and Phase II activities initiated. More details are included in the body of this report, with an updated Year I Workplan and Summary of Financial Expenditures attached as annexes.

Highlights from this quarter include:

- **Completion of Phase I** validation, design, and assessment exercises for primary target sectors (agriculture, forestry and fisheries) and cross-cutting issues (microfinance/credit, markets, gender and youth participation, biodiversity conservation). Individual documents posted to project intranet site.
- **Compilation of a “*Synthesis Report*”** that summarizes Phase I findings, prioritizes action interventions and activities, and refines implementation methodologies.
- **Launch of procurement and capacity-building process with local NGO implementing partners**, with first round of subcontracts in final stages of completion, and training begun in proposal development, management systems (financial, impact monitoring) and extension services.
- With the naming of RGC ministry staff counterparts, HARVEST management staff **strengthened ties with key national-level ministries** (MAFF, MOE, MOWR, amongst others); **established working protocols with provincial government counterparts** in Battambang and Pursat; and **identified initial policy initiatives**.
- **Productive enterprise technical assistance and training activities initiated in 32 target communities/villages** (covering 14 communes, five districts in Pursat and Battambang), comprising 7,893 households (population of 36,317). **Additional 25 target villages identified** for activities next quarter (+6,500 households).
- 1,068 farm **extension interventions completed** by project agronomists.
- **277 active lead/demonstration farmers in process of establishing agriculture demonstration plots** (hybrid corn, rice, home garden vegetables under the Food Security and Nutrition Initiative)
- **Technical assistance and training in fisheries initiated** (household fish pond, community refuge pond, and hatcheries management).
- **Technical and business skills training for input suppliers** initiated with five input stores in Bavel District (Battambang); additional 40 input suppliers identified for same next quarter across the two target provinces.
- **Pre-feasibility studies for six small-scale irrigation projects; cost and benefit analyses for rice and corn; and market survey for produce availability in 15 target villages completed.**
- 49 new **market linkages established**.

- HARVEST is providing the RGC with **technical support (review and comment) on various RGC policies**, including the Sub-decree on Contract Farming and the existing law on Food Safety of Agricultural Products; and providing assistance in preparation of “Technical Procedures for Quality Rice Seed Production” and “Ministerial Directive on Rice Seed Quality Control and Certification”.
- **Finance activities launched** including five MFI partners organized to give farmers in ten pilot villages access to low-interest loans with fair, transparent terms, and rice millers linked with banks and MFIs for financing and business skills training.
- **The Pesticide Evaluation Review and Safe Use Action Plan (PERSUAP) and amended Initial Environmental Examination (IEE) completed and submitted**, with USAID approval received for the IEE, and pending for PERSUAP.

Activities for next quarter are focused on expanding demonstration sites for agriculture crops, home gardens, and aquaculture; extension services; and hands-on training programs (including in farm chemical safety). NGO alliance partners will be contracted to optimize outreach in target communities, and capacity building support provided to them. A subcontract with Fauna & Flora International will be finalized to initiate Phase II NRM activities in sustainable community forestry, community protected areas, and other priority areas per Phase I prioritization. And also based on Phase I analyses, and initial Phase II “ground-truthing”, an expanded HARVEST workplan for Year 2 (monthly) and Years 3-5 (annual) will be prepared and submitted to USAID for discussion.

1. INTRODUCTION

1.1 PROJECT DESCRIPTION

USAID-HARVEST is a five-year food security initiative supported by the American people through the United States Agency for International Development. It aims to increase incomes and improve food security for 70,000 rural Cambodian households. The USAID-HARVEST approach develops agricultural solutions to address poor productivity, postharvest losses, food safety issues, lack of market access, environmental degradation and the effects of climate change on food vulnerable populations.

1.2 GOALS AND OBJECTIVES

The overarching goals of USAID-HARVEST are to improve food security through increased food availability; increase food access through rural income diversification; strengthen natural resource management and resilience to climate change; and increase the capacity of public, private, and civil society to support agricultural competitiveness. Specific objectives include:

- Increase incomes for 70,000 rural households
- Accrue economic benefits for 330,000 individuals
- Develop income-generating activities for 7,000 “extreme poor” households
- Diversify cropping systems for 32,000 households
- Generate \$45 million in incremental new agricultural sales

1.3 GEOGRAPHIC FOCUS

USAID/Cambodia’s Feed the Future strategy targets four provinces around the Tonle Sap: Battambang, Pursat, Siem Reap, and Kampong Thom. Based on USAID guidance, HARVEST is initially targeting the provinces of Pursat and Battambang in Year 1, with expected expansion to Siem Reap and Kampong Thom in Year 2 (late 2011).

The second quarter saw the expansion of program initiatives in villages throughout Battambang and Pursat provinces. Initial agriculture, fisheries/aquaculture, and NRM activities are targeting the districts of Bovil, Thmor Korl, and Moung Reusi in Battambang province, and the districts of Bakan and Krar Kor district in Pursat province. As of the end of June, USAID-HARVEST had 282 lead/demonstration clients (277 farm households; 5 input suppliers) in 32 villages. Expansion to additional villages is expected to occur next quarter as Phase II activities are ramped up; an additional 25 villages within the two initial target provinces have already been pre-selected for this expansion (many of which will also include aquaculture/fisheries and sustainable forestry activities).

In selecting target communities, HARVEST initially used data collected by the Ministry of Planning that exists on the presence of ID Poor 1 (P1, extremely poor) and ID Poor 2 (P2, poor) households in Battambang and Pursat provinces. Factors that determine whether a household is ID Poor 1 or 2 include: (a) general condition, size, and material of the house; (b) main source of income for the household (fishing, rice, etc.); (c) livestock owned or shared with others (pigs, goats, cows, etc.); (d) number of family members in the household, including gender and ages; and (e) number of household members that cannot produce income (due to age, health, etc.). From this information, HARVEST was able to identify communes and villages with the greatest potential to benefit from interventions in agriculture, aquaculture/fisheries, and natural resource management. Criteria common to the selection of villages across program components include: (a) number of communities – especially women,

youth, or other under-represented groups – interested in working with HARVEST; (b) cluster location that will increase the potential to impact a greater number of beneficiaries; (c) the presence of partner NGOs and their experience in the regions; and (d) the presence/future presence of other HARVEST program components.

Table 1 provides a listing of the 32 current villages where program field activities have commenced. Combined, they cover 14 communes and 5 districts in Pursat and Battambang, and comprise 7,893 households (population of 36,317). Large portions of the households are classified as extreme poor or poor. With expansion planned next quarter, the program will be operating in a total of 57 communities with 14,250 households. The number of lead/demonstration farmers is expected to expand proportionally, and the number of input supplier clients will increase from 5 in the current quarter to 40 by early next quarter.

As shown in Table 1, during the current quarter, lead/demonstration clients and sector focus of Phase II implementation activities have been concentrated in the agricultural crops area. Sustainable forestry and fisheries/aquaculture field activities (and demonstration sites) ramp up next quarter.

Table 1: USAID-HARVEST Target Villages -- Lead/Demo Clients, Sector Focus, and Target HHs/Populations (as of June 30, 2011)

Province	Location		# Current Active Lead/Demo Clients	# Inactive Lead/Demo Clients	Input Supplier Clients	Sector Focus			Target Populations					
	District	Village				Ag	Fish	Fsty	# HHs	Population	%HH P1	%HH P2	%HH P1&P2	
Battambang	Bovel	Ballang Leu	7	2		■			249	1,236	13%	18%	31%	
		Ballang Mean Chey	7	5		■			107	535	15%	15%	30%	
		Kaoh Ream			2		■			475	2,411	13%	16%	29%
		Prey Sangha	31	11	2		■			426	2,198	11%	23%	34%
		Svay Sa	12		1		■			160	796	14%	23%	37%
	Thma Koul	Chrey Thmei	5				■			207	674	19%	21%	40%
		Kbal Khmaoch	4				■			289	1,191	29%	29%	59%
		Svay Chrum	3				■			342	1,282	14%	17%	30%
		Ballang Kraom	5				■			427	1,917	16%	12%	27%
		Prakeab	12				■			582	2,839	13%	7%	20%
		Rung Chrey	7	3			■			258	1,429	16%	6%	22%
		Tuol	3				■			150	770	21%	11%	32%
	Moung Ruessei	Chong Chamnay	10				■			450	2,013	16%	16%	32%
		Chrey Cheung	8	3			■			334	1,385	16%	14%	30%
		Mreach Prov	2				■			302	1,310	26%	13%	39%
		Chong Pralay	4				■			238	997	17%	16%	34%
		Tras	8				■			206	843	24%	12%	36%
	Pursat	Bakan	Bak Meaek	13				■			210	915	19%	11%
Khnar Totueng			3				■			193	828	23%	4%	28%
Krouch Saeuch			4	12			■			93	402	25%	4%	29%
Phteah Sla			20	5			■			152	675	24%	5%	30%
Kampong Kdei			6				■			117	615	30%	26%	56%
Pralay Rumdeng			22	3			■			112	536	6%	14%	21%
Prasat			9				■			222	995	14%	16%	30%
Thnuoh Ta Chab			17	3			■			283	1,339	7%	13%	21%
Bakan			12	1			■			247	1,285	13%	11%	24%
Kab Kralanh			12	2			■			139	465	15%	17%	32%
Ou Rumchek		12	1			■			287	1,197	7%	12%	19%	
Krakor		Krang Thum	2				■			141	676	9%	17%	26%
		Ou ach Kok	6				■			165	682	12%	17%	29%
		Chambak Thum	5				■			222	1,100	12%	3%	15%
	Saen Pen	6				■			108	781	6%	10%	16%	
TOTALS	5	32	277	51	5	32	0	0	7,893	36,317	16%	14%	30%	

Notes:
 1. %HH P1 -- percentage of household poor level 1 (extreme poor)
 2. %HH P2 -- percentage of household poor level 2 (normal poor)
 3. %HH P1 & P2 -- percentage of household poor (levels 1 and 2 combined)

Sources: Client data (Fintrac CIRIS, June 2011); village demographic data (Ministry of Planning, July 2011)

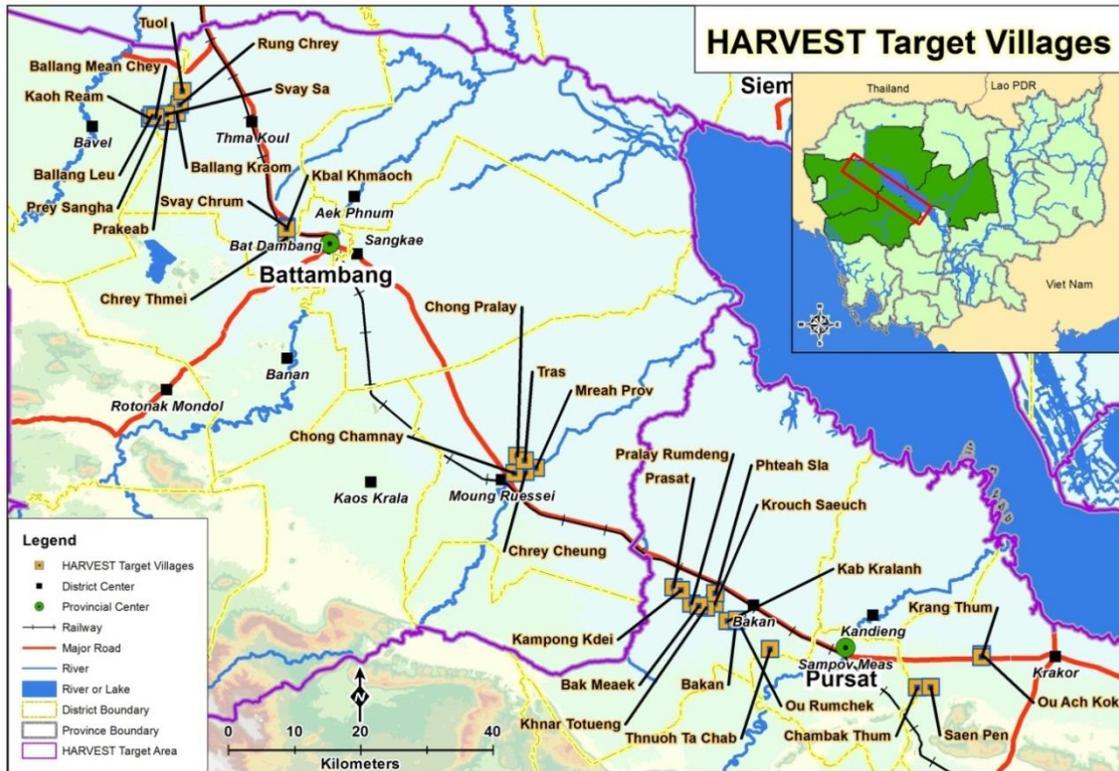


Figure 1: USAID-HARVEST Target Communities (as of June 30, 2011)

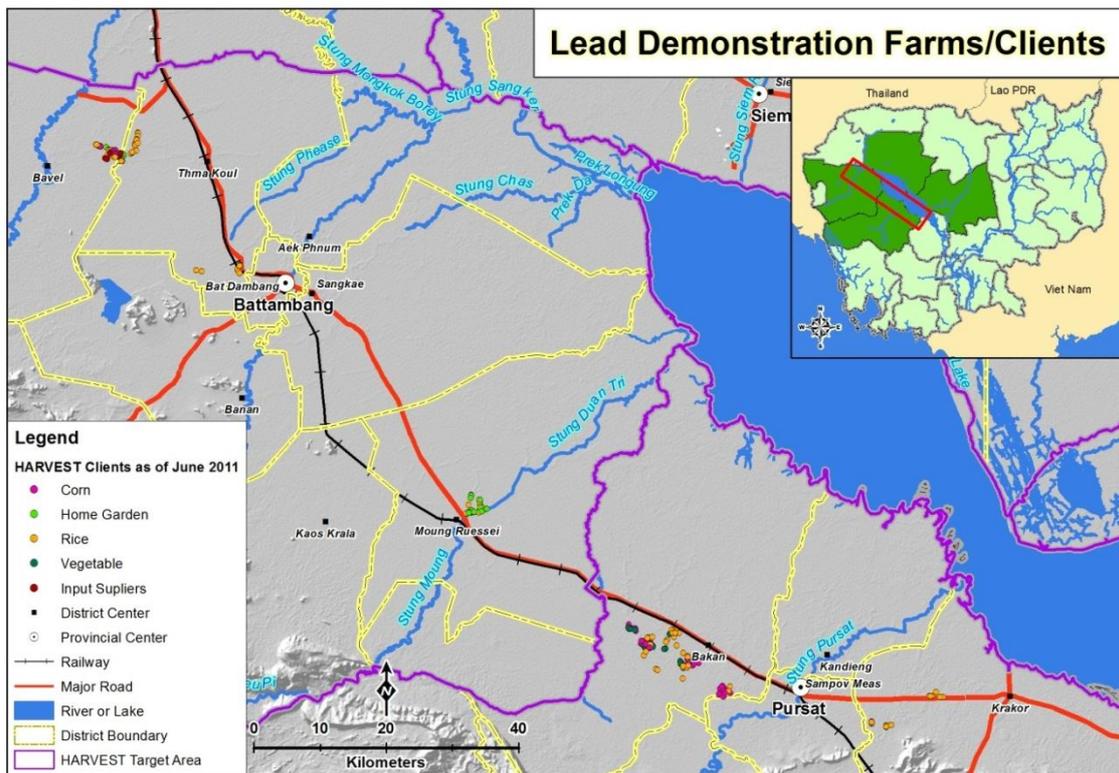


Figure 2: USAID-HARVEST Lead/Demonstration Farms & Clients (as of June 30, 2011)

1.4 STAKEHOLDER CONSULTATIONS

With the naming of RGC ministry staff counterparts, partnerships continue to strengthen between USAID-HARVEST management staff and counterparts in the Ministries of Agriculture, Fisheries and Forestry (MAFF), Environment (MOE), and Water Resources (MOWR). USAID-HARVEST also established working protocols with government counterparts in Battambang and Pursat Provinces as well as with the departments of Agriculture, Health, Education, Women's Affairs, and Labor and Vocational Training.

USAID-HARVEST also started consulting with local universities such as Prek Leap National School of Agriculture (PNSA), and Royal University of Agriculture (RUA) to explore opportunities for capacity development. Local community partners to assist in the implementation of NRM (forestry) and biodiversity/Global Climate Change activities were identified, and aquaculture and fisheries activities were reviewed to ensure they are in alignment with the government's Fisheries Administration strategy.

To date, project personnel have had consultations with more than 50+ donors, international organizations, development programs, Cambodian government agencies (national and provincial), educational institutions, universities, local and international NGOs, and private sector organizations – in addition to many commune/village officials and farmer groups. Table 2 provides an illustrative range of stakeholders that HARVEST has consulted with during the Phase I validation, design, and assessment process; a complete listing is provided in the Phase I Synthesis Report.

Stakeholder consultations will continue throughout the life of project to ensure close coordination and leveraging of synergies and resources. Joint activities are being planned with some already, and many will take more formal roles in program implementation beginning in the next quarter (e.g. NGOs as implementing alliance partners within target communities; local educational institutions in participant training activities; private sector organizations and government agencies in policy analysis and formulation).

Table 2: USAID-HARVEST Counterpart and Stakeholder Consultations

Government	Donor Organizations	NGOs	Private Sector & Other
Ministry of Interior (Mol)	World Bank (WB)	International Development Enterprises (IDE)	Devenco
Ministry of Industry, Mines and Energy (MIME)	Asian Development Bank (ADB)	Partners for Development (PFD)	Federation of Rice Millers Association
Ministry of Women's Affairs (MoWA)	Food and Agriculture Organization (FAO)	World Fish Center	Royal University of Agriculture (RUA)
Provincial Department of Health (PdoH)/Battambang	Canadian International Development Agency (CIDA)	Helen Keller International (HKI)	University of Battambang
Provincial Department of Women's Affairs (PdoWA)/Battambang	The Asia Foundation (TAF)	Youth Enterprise Association of Cambodia (YEAC)	Prek Leap School of Agriculture
Provincial Department of Labor and Vocational Training (PDoLVT)/ Battambang	International Center for Research on Women (ICRW)	Khmer Youth and Social Development (KYSD)	Battambang Institute of Technology
Provincial Department of Agriculture (PdoA)/ Battambang	Netherlands Development Organization (SNV)	Khmer Youth Association (KYA)	17Triggers

Table 2: USAID-HARVEST Counterpart and Stakeholder Consultations

Government	Donor Organizations	NGOs	Private Sector & Other
Provincial Department of Education, Youth and Sport (PDoEYS)/ Battambang	Voluntary Service Overseas (VSO)	Conservation International	Cambodian Agribusiness Development Facility (CADF)
Provincial Department of Agriculture (PdoA)/Pursat	Canadian Centre for International Studies and Cooperation (CECI)	Reproductive Health Association of Cambodia (RHAC)	Horticulture Collaborative Research Support Program (Hort-CRSP)
Provincial Department of Women's Affairs (PdoWA)/Pursat	World Health Organization (WHO)	Reproductive and Child Health Alliance (RACHA)	Cambodia Agricultural Value Chain Program (CAVAC)

2. PROGRAM COMPONENTS

The second quarter saw the completion of Phase I (validation, design and assessment) activities. For this quarterly report, therefore, we have summarized the primary Phase I activities and deliverables in a separate section (2.1).

While Phase I activities (validation, design and assessment) were always planned for the first two quarters of the program, Fintrac decided that there were certain field-based (Phase II) activities that needed to commence simultaneously due to seasonality constraints. This was particularly important with regard to the agricultural crop activities, as delays in pre-monsoon high value crops and monsoon rice would have resulted in production being delayed until late 2011. Additional relevant component-level details on Phase I, along with highlights of early Phase II activities, are provided in subsequent component-specific sections (2.2-2.6).

2.1 PHASE I (VALIDATION, DESIGN AND ASSESSMENT)



A lead client in Battambang checks the progress of his corn plantings in May.

Photo by Fintrac Inc.

Phase I of HARVEST (January - June 2011) was essentially completed during the current quarter. Phase I included a step-process to validate target crops/products, geographical areas, and priority interventions, as well as market analysis, the inventorying/valuation of key natural resources and other relevant information in assisting and more clearly defining workplan activities and targets for Phase II. Under Phase I, HARVEST undertook various sectoral assessments, stakeholder consultations, literature reviews, and field-based analyses of constraints across the three targeted sectors of agriculture, fisheries/aquaculture and forestry. It also introduced the project to local counterparts (and incorporated feedback on areas of collaboration and synergies), established clients and partner selection criteria, and saw the design and launch of the project's implementation and M&E/reporting systems.

A Phase I Synthesis Report summarizes the activities, findings and recommendations from the Phase I period that are being used to inform interventions to be executed over the main implementation period

(Phase II). The Synthesis Report should be used as supplement to this quarterly report. Key highlights of Phase I activities and findings completed this quarter include:

- **Completed 28 Technical Reviews and Assessments.** HARVEST reviewed existing studies and evaluations undertaken to date on Cambodia's agriculture, forestry and fisheries sectors, as well as issues of cross-cutting importance for their development (microfinance/credit, marketing, gender and youth issues, and others) HARVEST supplemented this information with its own field-based technical assessments to further inform Phase II interventions, including GIS mapping, staple food production costs and value chain constraints, smallholder agrochemical use, fisheries and aquaculture practices, the impact of community forestry initiatives, and many others. Table 2 shows the primary assessments and technical reviews undertaken by Fintrac and its consortium partners during Phase I. Corresponding workplan deliverables are given in parentheses. Supporting documentation for each is available online at the USAID-HARVEST Intranet site (www.fintrac.com/cambodia) and additional component-level details are provided in Sections 2.2-2.6 below.

Table 2: USAID-HARVEST Technical Assessments, Reviews and Other Phase I Reports

Author	Title
Agriculture	
1 EMC	<i>Rapid Assessment of the Cambodian Rice Sector</i>
2 EMC	<i>Finance Practices and Opportunities in the Rice Sector (3.4)</i>
3 Fintrac	<i>Credit Product Information Sharing Approach</i>
4 Fintrac	<i>Inventory of Rice Millers and other Agribusiness SMEs in Targeted Provinces</i>
5 Fintrac	<i>Opportunities, Constraints and Potential Interventions for Cambodian Rice Millers</i>
6 Fintrac	<i>Rapid Training and Needs Assessment for Agricultural Inputs Suppliers</i>
7 Fintrac	<i>Analysis of Rice and Corn Production Costs in Pursat and Battambang (3.5)</i>
8 Fintrac	<i>Issues and Constraints in Rice and Vegetable Production in Cambodia (3.5)</i>
9 Fintrac	<i>Reference Documents for the Agriculture and NRM Sectors (3.1)</i>
10 Fintrac	<i>Village Market Survey for Pursat and Battambang (3.5)</i>
11 Fintrac	<i>Targeted Communes/Villages and Activities in Pursat and Battambang (3.6)</i>
12 Fintrac	<i>List of Target Crops: Agriculture Sector (3.5)</i>
13 Fintrac	<i>Irrigation Infrastructure and Designs (3.12, 3.13)</i>
14 Fintrac	<i>Review of Cambodian Agricultural Policies (3.4)</i>
15 Weidemann	<i>Pesticide Evaluation Report and Safe Use Action Plan (3.15)</i>
16 Weidemann	<i>Initial Environmental Examination - Amendment I (3.15)</i>
Fisheries/Aquaculture	
17 Auburn U	<i>Proposed Activities for the USAID-HARVEST Fisheries Program (3.6.3)</i>
18 Auburn U	<i>Training and Extension Activities for the USAID-HARVEST Fisheries Program</i>
19 Auburn U	<i>Postharvest and Value-Addition Activities for the USAID-HARVEST Fisheries Program</i>
20 Fintrac	<i>USAID-HARVEST Selection Criteria for Partners and Clients: Fisheries/Aquaculture (3.6.1, 3.6.3)</i>
21 Fintrac	<i>List of Target Products: NRM and Fisheries Sectors</i>
Natural Resources Management	
22 Aruna	<i>Natural Resources Management Mapping and Monitoring System (3.7)</i>
23 FFI	<i>Baseline Assessment and Recommendations for NRM and Biodiversity Conservation (3.7)</i>
Cross-Cutting	
24 Fintrac	<i>Social Inclusion Assessment (3.14)</i>
25 Fintrac	<i>List of USAID-HARVEST Partner and Stakeholder Consultations (3.3)</i>
26 Fintrac	<i>List of Prospective Subcontract Partners for USAID-HARVEST Implementation (3.2, 3.3)</i>
27 Fintrac	<i>USAID-HARVEST Monitoring & Evaluation Plan and Tools (3.8, 3.8.1, 3.8.2)</i>
28 IIE	<i>List of Pre-Identified Courses and Degree Programs for USAID-HARVEST (3.11)</i>

- Finalized **selection of initial group of 57 target communities** (comprising 14,250 households) based on field-based assessments of crop, fisheries and forestry potential, demographics (high incidence of poverty), and community interest. Finalized **selection of target agriculture crops and other sustainable forestry/fishery products** (based on agronomic and market conditions), and **lead/demonstration client criteria**. Refined interventions and activities across all primary (crops, fisheries/aquaculture, NRM/forestry, food security/nutrition) and cross-cutting (infrastructure, policy/enabling environment, alliances, participant training, social inclusion, environmental protection, monitoring and evaluation) program components; a revised five-year workplan incorporating new or re-scoped activities will be presented next quarter.
- Continued **consultations with key program counterparts, stakeholders, and other likely partners**. To date, project personnel have had consultations with more than 50+ donors, international organizations, development programs, Cambodian government agencies (national and provincial), educational institutions, universities, local and international NGOs, and private sector organizations – in addition to many commune/village officials and farmer groups. See Section 1.4 for additional information.
- **Established selection criteria for lead/demonstration farmers and other clients**. Common characteristics for selecting demonstration clients (also referred to as “lead clients”) within the target communities include: (a) high commitment and interest in partnering with HARVEST; (b) strong willingness to learn new skills and share information with others; (c) capacity to sustainably maintain and expand interventions; and (d) good standing and reputation in the community. As with community selection, criteria and scoring sheets were developed for selecting lead/demonstration clients in agricultural crops, forestry, and fisheries/aquaculture.
- Procurement process for NGO implementing partners begun; now finalizing **partnership alliances (subcontracts) with a first round of NGO partners** that will be used to expand technical outreach and impact within targeted communities. As part of the needed capacity building for these local NGOs, HARVEST has assisted them with developing their final technical and cost proposals (based on submitted concept papers), and will themselves receive on-going technical assistance to improve the quality of their technical (extension) services and management (financial and monitoring) systems.
- HARVEST completed two major assessments during Phase I that identified the potential environmental impact of project activities as well as recommended mitigation measures:
 - An amended **Initial Environmental Examination (IEE)** was carried out by Fintrac consortium partner Weidemann Associates that evaluated HARVEST’s planned interventions in relationship to work in watersheds, river basins and impact on natural resources in general, and also established thresholds and monitoring and mitigation measures for specific interventions. USAID approval was received.
 - A **Pesticide Evaluation Review and Safe Use Action Plan (PERSUAP)** was prepared to guide the project in identifying and monitoring the use of farm chemicals by client farmers during implementation. The PERSUAP also included an Environmental Mitigation and Monitoring Plan, and recommended specific mitigation measures for minimizing the potential impact to human health and the environment from farmers’ use of pesticides and other chemical applications. USAID approval is pending, although program technicians are already incorporating mitigation measures in field activities

(including promotion of Integrated Pest Management and other Good Agricultural Practices).

2.2 AGRIBUSINESS VALUE CHAIN

- *Selection of Target Agriculture Crops.* Based on Phase I findings, HARVEST has compiled a list of 43 target crops distributed over three planting timeframes (pre-, post- and monsoon crops). They are listed in Figure 3. The selection of target crops may change based on changes in market opportunities, crop performance, and other agronomic factors (e.g. Global Climate Change). The broad variety of crops and promotion of multiple crops, however, will reduce farmer risks and increase incomes through improved soil productivity (rotation crops), reduced pest pressures (breaking pest and disease cycles), diversified individual farm product sales (multiple crops, multiple buyers), and increased adaptive capacity of farmers to adjust/adapt to climate variations (“whole farm” approach to learning common Good Agricultural Practices that can be transferred to new varieties or crops).

Figure 3: USAID-HARVEST Target Agricultural Crops

Type	Crop	Pre-Monsoon Crops	Monsoon Crops	Post-Monsoon Crops
		April-June	July-Oct	Nov-March
Brassica types	Leaf mustard	■	■	■
	Chinese mustard	■	■	■
	Chinese kale	■	■	■
	Chinese cabbage	■	■	■
	Choisum	■	■	■
	Pakchoy	■	■	■
	Green flowering pakchoy	■	■	■
	White pakchoy	■	■	■
Legumes	Mung beans			■
	Soybeans			■
	Long beans	■	■	■
	Winged beans	■		■
	Green beans	■		■
Solanaceae Types	Tomato			■
	Peppers (various)			■
	Eggplant	■	■	■
	Sweet potato (yams)			■
Cucurbits	Pumpkins			■
	Cucumbers	■	■	■
	Gourds (luffa, etc)	■	■	■
	Bitter melon (various)	■	■	■
	Water melons			■
	Winter melons, etc.			■
	Squash			■
Herbs and Similar Leafy	Amaranth	■	■	■
	Cilantro	■	■	■
	Basil	■	■	■
	Water convulvus	■	■	■
	Lemongrass	■	■	■

Figure 3: USAID-HARVEST Target Agricultural Crops

Type	Crop	Pre-Monsoon Crops	Monsoon Crops	Post-Monsoon Crops
		April-June	July-Oct	Nov-March
Fruit	Papaya	■		
	Banana	■		
	Pineapple	■		
	Various tree crops	■		
Others	Rice		■	■
	Corn	■		■
	Radish (white, red)	■		■
	Okra			■
	Ginger			■
	Chives	■	■	■
	Shallots	■		■
	Spinach	■	■	■
	Lettuce (leaf)	■	■	■
	Sunflower			■

- *Selection of Target Villages and Lead/Demonstration Clients.* Initial target villages for the agricultural crop area were selected with the assistance of the Federation of Cambodian Rice Millers' Association, which introduced HARVEST to several major producing communes interested in receiving technical support for growing high-yield, certified rice. Project activities were discussed with Commune Council members to determine if the project's interventions were in alignment with current production activities and objectives. Criteria for village selection included: (a) clustered farming villages for maximized efficiency, supervision, and impact; and (b) villages without a strong presence of other NGOs or donor organizations. After target villages were selected, farms were visited and farmers interviewed to choose lead demonstration clients. Qualifications included: (a) strong interest and willingness to train neighbouring beneficiary farmers in their communities; (b) demonstrated commitment to improved practices and technologies; and (c) willing to diversify crop production (e.g. hybrid corn and other higher-value crops).
- During the second quarter, USAID-HARVEST started planting hybrid corn varieties and installing rice nurseries in target villages. Corn was planted on 73 farmer demonstration sites and rice crops will be planted on approximately 200 demonstration sites (with 36 nurseries planted during the current quarter), and corn on another 73 sites. Home gardens were established on residential land with ten demonstration household clients as the start of a cross cutting Food Security Initiative that will be implemented in every participating village; at least 70 more will be established next quarter. A total of 1,068 farm extension visits have been made by program agronomists to date, and there were 601 participants in production training events. A total of 49 linkages were made with buyers for program farmers. Key highlights this quarter included:
 - *Hybrid Corn.* Four hybrid yellow corn varieties were planted on 73 demonstration farms throughout nine villages in Pursat and Battambang with seeds sourced from Asia Seed (Thailand). This crop was introduced as a profitable pre-monsoon crop that can be planted prior to seasonal rice plantings and grown and harvested before the heavy monsoon rains of August and September. The demonstration sites are using improved varieties of seed that will

grow a larger cob than varieties traditionally grown. Lead farmers are being taught how to use more targeted and properly applied fertilizers, integrated pest management practices and drainage to attain higher yields that will earn more money in the marketplace. Buyers were identified for the first corn harvests that will begin in late July and early August.

- *Certified Rice.* USAID-HARVEST is working with MAFF’s Department of Rice Crops to promote “Pka Rumduol,” a certified late-season variety, and has selected 148 lead/demonstration clients to date that will plant this seed on 1,000- m² demonstration sites. In addition to IPM and water management practices, USAID-HARVEST will introduce NPK fertilizers in briquette form buried in paddies prior to seedling transplanting. With the introduction of this hybrid seed and the combined improved production techniques, yields are anticipated to increase by as much as 50 percent, generating incomes on land that would otherwise be left unused. . This quarter, 36 families began seeding their nurseries and learned new ways to achieve higher yields through better techniques and technology.
- *Input suppliers.* USAID-HARVEST initiated input supplier training in target villages in Battambang, educating 17 store owners and staff members from five stores with the first of three scheduled modules for all 40 pre-identified input supplier clients in both Battambang (25 suppliers) and Pursat provinces (15 suppliers). Module one covered the topics of “The Introduction to Agro-chemicals and the Role of the Input Supplier,” whereby store owners and their staff were trained on proper chemical and fertilizer use and handling, basic crop diagnosis education and improved growing techniques. From these training modules, input suppliers will improve their overall knowledge on what they are selling ensuring improved agricultural practices throughout the local area by communicating regularly with the farmers who purchase their products.
- *Baseline production data.* Baseline production costs for rice and corn were gathered through farmer surveys in target villages in Pursat and Battambang. Through these and future farmer surveys, recorded baseline production costs will be used to demonstrate to lead farmers the differences in net income by attaining higher crop yields from effective program interventions on demonstration sites compared to traditional growing methods and earnings.
- *Market assessments.* Markey surveys were conducted in 15 villages for types of products sold, their origin, prices, frequency of sales, types of suppliers, and size of outlets. Food stall vendors, traders and shop owners participated in a series of interviews and questionnaires. The resulting information will enable USAID-HARVEST to make appropriate interventions that improve market linkages and recommend crops that meet demand.
- *Additional activities.*
 - Submitting for approval and implemented two *Technology Fund Awards*: TF# Field Soil Sampling for Rice and Vegetable Clients (field soil sampling equipment to enable soil testing to improve recommendations for and efficiency of fertilizers; partnering with and building the laboratory capacity of Resource Development International – Cambodia); TF#2 Seed and Planting Material for Demonstration Plots (vegetable, hybrid corn and certified rice seed for demonstration farms and home gardens).
 - Assessed *feasibility of six small-scale irrigation projects* proposed by village councils.

- *Training provided to program technicians* (and lead demonstration farmers) by Fintrac home office senior agronomist Guillermo Maradiaga in vegetable production. Mr. Maradiaga also assisted in establishing the home garden program (under the cross cutting Food Security Initiative), developing technical extension materials, giving input supplier trainings, and contributing to overall program strategy.

2.3 AQUACULTURE & FISHERIES

- *Final Selection of Target Communities and Lead/Demonstration Aquaculture Farmers and Community Fisheries.* Under Phase I visits and information gathering were undertaken by Auburn University's Aquaculture and Fisheries staff and HARVEST's fisheries team; Community Fisheries (CFi), commune fisheries groups, fish hatcheries, floating villages, household ponds, fish farming operations, and processors were all visited and assessed to identify interventions and select implementing locations and demonstration sites. From these findings, HARVEST developed interventions at both the household (aquaculture) and community (fisheries) level, and priority villages and farmers were selected around the Tonle Sap Lake for inclusion in aquaculture and Community Fisheries (CFi) interventions. The final selection of target clients for aquaculture was completed in June 2011 with nine families selected for demonstration aquaculture ponds and three Community Fisheries selected to receive assistance with the management of community refuge ponds and fisheries management. The aquaculture and fisheries initiatives are now active in five districts, 14 communes and 39 villages.
- *Technical Coordinator Placed.* A Senior Aquaculture Specialist, Dr. Lenard Rodgers, from the US, was contracted to work with the project for an initial four-month period to provide day-to-day technical field support to lead clients and beneficiaries, as well as technical training for NGO food security technicians and USAID-HARVEST fisheries staff on aquaculture management. This position was determined critical to jumpstart field activities in this component and to increase both project and NGO partner staff technical capacity to ensure program success. During the next quarter, the program will assess whether this position may warrant a longer-term duration given the importance of fisheries/aquaculture to the target populations, and the current low technical capacity level within Cambodia.



Women process fish for making into traditional prahok, a fermented fish paste.

Photo by Fintrac Inc.

- **Fish Day.** Technology Fund #3 (Fish Day Promotion at Community Fisheries) was submitted to USAID for approval. Every July, Cambodia recognizes its critical fisheries resources through a variety of celebrations, including the symbolic release of fish fingerlings by government personnel. HARVEST will coordinate a number of Fish Day Celebrations in July at 30 Community Fisheries (15 in Pursat, 15 in Battambang). These events will bring together the Community Fisheries members, local NGOs and local Fisheries Administration staff, raise community awareness on the value of effective fisheries and the role of Community Fisheries management actions, and highlight the current threats and necessary management actions across all Community Fisheries on the Tonle Sap. An indirect benefit will be the establishment of a cooperative relationship between the Fisheries Administration and Community Fisheries and the HARVEST project, which will in turn facilitate subsequent coordination on HARVEST activities and interventions.

2.4 NATURAL RESOURCE MANAGEMENT, BIODIVERSITY & CLIMATE CHANGE

NRM interventions will focus on promoting Community Based Natural Resource Management (CBNRM) for forests and protected areas. Village-level focus will be on the promotion of woodlots, nurseries, agro-forestry, and non-timber forest products (NTFPs). During the current quarter, Phase I activities were concluded and Phase II activities under this component were realigned and redefined based on discussions with USAID, primary NRM subcontractor (Fauna & Flora International) and others. This included initial planning for a possible future shift from a sustainable landscape focus to more of an adaptation focus under the Global Climate Change earmark.

- **Final Phase I Report Completed.** Sub-contractor Fauna & Flora International presented its final Phase I Report, *Natural Resource Management and Biodiversity Conservation*. Future NRM activities were selected partially in response to the recommendations contained in the report. Follow-on subcontracts for Phase II NRM, biodiversity and climate change activities are being finalized.

- *HARVEST Atlas*. An interactive spatial geo-database (“HARVEST Atlas”) for the project’s four target provinces was completed. Accessible via a free map viewing software product (ArcReader), the HARVEST Atlas allows users to zoom in to areas of interest, turn different layers on and off, query the database and print maps. More than 68 metadata sets cover a wide range of relevant information (e.g. topographic, census, climatic, environmental, fisheries, forestry, hydrology, transport, satellite imagery, administrative boundaries, settlements, inundation, land use, soils, agriculture, cultural, etc.), and some metaset contain dozens or hundreds of individual data variables. GPS tracks (collected by two teams on dirt bikes travelling 5,286 km over three months) and geo-located photographs (478) were also collected throughout the study area, and will be used to support interpretation of the satellite imagery as it will provide definitive information of the land use and land cover at each site. The Atlas will assist all areas of the project in determining best interventions according to resources found in those areas. Future work in this area will include taking the satellite imagery and applying various image processing and analysis techniques to prepare an up-to-date land use map of the study area, with the main outcome (expected to be complete in April 2012) being a benchmark land use and forest cover map for the four target provinces based on the 2011 satellite imagery obtained during the current exercise. Local government and other counterparts will also be trained in maintenance and use of the system.
- *Target Community Selection*. USAID-HARVEST continued to finalize selection of target areas for investment with a possible range of activities focused on community forestry management and the development of non-timber forest products (NTFP). Selection criteria for Community Forests (CFs) and Community Protected Areas (CPAs) were developed, and include: (a) community forestry condition (evergreen, semi-evergreen, degraded and over-degraded forest); (b) high economic and market value of NTFPs from the CF forest areas; (c) high potential of SME promotion and market accessibility; (d) legal status of CF groups; and (e) accessibility and security of CF groups. Lead client selection criteria was also finalized, and include: (a) prior demonstrated business activity in the community in bamboo, small rattan, medicinal plants, etc.;

Villagers assess locations of bamboo in a forest in Battambang province.

Photo by Fintrac Inc.



(b) high traditional knowledge and skills in NTFPs - harvesting, processing, value-adding, marketing; (c) available resources, such as equipment and materials, for NTFP production; and (d) some understanding of relevant laws and regulations of the "one village one product" policy.

- *Selection of Target Products.* Based on Phase I findings, HARVEST has pre-identified a number of target products to focus on that have potential to improve the livelihoods of sustainable forestry clients and communities (through the sustainable harvesting of natural resources and production and value addition of non-timber forest products). These include NTFPs (bamboo, rattan, water hyacinth, resin, honey, medicinal plants, mushrooms); Tree Nurseries (teak, mahogany, gmelina, eucalyptus, exotic hardwoods); Agroforestry (breadfruit, papayas, bananas, mangos, guavas, coconuts; and Woodlots (building materials, charcoal production, firewood).
- *Additional activities:*
 - Started dialogue with Wildlife Conservation Society about forestry/fisheries management and livelihood actions in Battambang. Collaboration with this organization, which is well experienced in the area, will focus on flooded forest activities.
 - Initiated talks with RECOFT (Regional Forestry Training Organization) about planned activities and to discuss its previous work in USAID-HARVEST target areas and areas of collaboration/coordination.

2.5 SOCIAL INCLUSION AND CAPACITY DEVELOPMENT (SI/CD)

- *Phase I Social Inclusion Assessment Completed.* In order for USAID-HARVEST to refine its approach towards the inclusion of women, youth, and very poor food-insecure households, an assessment was conducted on the roles, value-chain/livelihood opportunities and constraints these typical marginalized groups face. The assessment included focus group discussions in a sample of communities targeted for HARVEST interventions and related local authorities. Six community-level focus group discussions were held with a total of 124 participants (68 male, 56 female). Four meetings were held with commune and village authorities relevant to the community-level discussions with a total of 31 participants (23 male, 8 female). Discussions were also held with the management committees of two fisheries communities with a total of 22 participants (17 male, 5 female). Communities were selected to provide a sample of villages targeted for the different types of HARVEST program interventions (i.e., rice, corn, fish ponds, community fisheries) which could be accessed during the rainy season. The results will be presented to all HARVEST staff and will help determine the best approach for on-going interventions to ensure social inclusion of marginalized populations.
- *Food Security and Nutrition Initiative Launched.* The HARVEST food security/nutrition (FS/N) initiative is designed to reach land-poor and other vulnerable households through an integrated approach for combining home gardens and low-input fish ponds with practical nutrition education. Improving the productivity of the gardens and fish ponds will increase the availability of nutritious food for household consumption, as well as the access to food through income generated from the sale of surplus food. It is an integrated activity, incorporating agriculture, aquaculture, and other program components and technical staff. Food utilization will be addressed throughout, from the selection of nutrition-rich crops to the maintenance of nutrition values during postharvest storage and processing. Training, demonstrations and community events will also reinforce healthy diets for different family groups and situations.



A woman cultivates herbs from her home garden to sell at the local marketplace.

Photo by Fintrac Inc.

- *First Demonstration Home Gardens Installed under FS/N Initiative.* Ten families (in three pilot communes) were taught how to apply good agricultural practices in their gardens and were introduced to more nutritious vegetables (e.g. leafy greens, cucumbers, eggplant, tomatoes, pumpkins, okra, squash). Families also learned how to build simple plastic covered nurseries that protect seedlings from rain, the benefits of using raised beds, properly spaced plantings, and the use of live barriers – all of which will lead to greater yields, income and nutrition. This intervention will eventually reach all of USAID-HARVEST’s target villages and will also include the construction/rehabilitation of low-input fish ponds and on-going family nutrition education in an integrated approach to food security.
- *NGO Alliance Partner Selection.* The project completed first-round reviews for potential partnership with ten NGOs to work with program food security initiatives within the targeted communities. HARVEST will provide on-going technical and management capacity building to NGO partner staff. This activity will increase program outreach and impact, as well as enable longer-term sustainability of program activities.

2.6 POLICY & ENABLING ENVIRONMENT

- Working relationships have strengthened with the Ministry of Agriculture, Forestry and Fisheries on how the program can assist with the government’s current plans, regulations and policies including food safety and standards, plant breeders’ rights, and contract farming. This relationship with government ministries is important as the development of effective and fair new laws and policies related to agriculture are essential to the sustainability of USAID-HARVEST goals.
- Consultation held with the Department of Agro-Industry on how USAID-HARVEST can assist in reviewing and commenting on the government’s sub-decree on contract farming. Additionally, USAID-HARVEST’s input is requested on the existing law on Food Safety of Agricultural Products as well as assistance in preparing “Technical Procedures for Quality Rice Seed Production” and “Ministerial Directive on Rice Seed Quality Control and Certification”.

- The first lead clients have been selected and training is now being designed for an initiative to connect rice millers with banks to secure fair, low-interest loans allowing increased working capital for local millers to purchase additional raw material (and more local value-added as opposed to exporting to Vietnam), needed equipment (drying machines, leasing of mechanized harvesters, and storage units), and expansion of their facilities in addition to banks extending credit to farmers for inputs. To ensure banks' confidence in lending, rice millers will be learning skills in proper bookkeeping and cash flow management and budget projections through workshops and one-on-one sessions. Loans will range from \$10,000 to several million dollars.
- A pilot group of ten local village chiefs will be placing central message boards in each of their villages in the first step toward improving communications between farmers and MFIs. Nine MFIs across 40 villages have agreed to participate in this program to facilitate information flow between MFIs and farmers — enabling farmers to compare loan terms and rates and contact each lender directly. Farmers traditionally receive high-interest loans under ambiguous terms and payment cycles from private lenders. By improving access to MFIs, farmers will be able to increase their working capital under favorable and fair circumstances, which will allow them to invest in their farms.

3. ACTIVITIES PLANNED NEXT QUARTER

Priority activities for the next quarter are primarily focused on ramping up all Phase II field activities, particularly new installations of agriculture crops, home garden, aquaculture demonstration sites, and increased on-farm extension visits and hands-on training programs (including in farm chemical safety). The input supplier training program will be expanded to all 40 target input suppliers. NGO alliance partners will be contracted during the quarter to expand outreach in target communities, and they will be provided capacity building support in both technical (extension) and management areas (including finance). A subcontract with Fauna & Flora International will also be finalized to initiate Phase II community-based NRM activities focusing on sustainable community forestry, community protected areas, and other priority areas identified during Phase I.

The following 13 workplan activities are priorities for next quarter:

1. Harvesting and sales of corn from the 73 demonstration sites
2. Selecting 52 additional lead client rice farmers and transplanting on all 200 demonstration sites
3. Constructing 12 fish aquaculture demonstration sites
4. Establishing an additional 70 home garden demonstration sites
5. Completing three additional input supplier training modules for 40 target input suppliers
6. Finalizing Global Climate Change mitigation subcontract for carbon assessing and REDD+ and initiating activities
7. Finalizing a subcontract for Phase II NRM commune activities based on Fauna & Flora International's Phase I work and implementation of NRM activities
8. Contract NGOs, hiring and training of NGO staff members, and starting NGO work within target villages
9. Completing nutritional study and defining technical programs for the fourth quarter
10. Initiating work on the priority policy studies and activities
11. Initiating Farm Chemical Safety awareness training for clients
12. Designing and implementing public awareness and outreach program flyers, bulletins, and other communications materials
13. Designing and initiation of base line survey

ANNEX I: PERFORMANCE AGAINST WORK PLAN

Initial workplan activities and targets are generally on schedule, although some Phase II deliverable targets planned for the current quarter are behind schedule as they were likely overly ambitious given unanticipated procurement delays, the large number of public and private sector stakeholders, the low capacity of local NGOs that will be HARVEST's primary partners in target communities, and some delays in Phase I deliverables from local subcontractors.

However, significant progress has been made in implementing in-field, on-farm activities within target communities early on (starting within four months of project award) and we still anticipate meeting or exceeding most of the Year 1 initial Phase II workplan targets. During the next quarter, and with the conclusion of Phase I, implementation activities under Phase II will be further accelerated.

Phase I included a step-process to validate target crops/products, geographical areas, and priority interventions, as well as market analysis, the inventorying/valuation of key natural resources and other relevant information in assisting and more clearly defining workplan activities and targets for Phase II. The workplan will also be revised next quarter based on Phase I validation (and early results on Phase II implementation activities), and expanded to include Year 2 (monthly) and Years 3-5 (annual) planned activities, deliverables, and targets. It will be submitted to USAID for discussions and approval.

USAID-HARVEST WORKPLAN - YEAR 1 (January 2011 - September 2011)
updated through June 30, 2011

Status Key	
done	Completed
+	Ahead of Schedule
=	On Schedule
X	Behind Schedule

N°		Year 1 (January 2010 - September 2010)									Target Y1	Deliverables	Progress Monitor			Comments
		J	F	M	A	M	J	J	A	S			Status	To Date	Balance	
1	Key Start-Up Activities															
1.1	Home office rapid start-up team fielded											HO rapid start-up team fielded (including Fintrac executive management)	done			Completed. Continued in-country home office assistance provided during 2nd quarter in accounting, M&E, management, administration.
1.2	Key personnel & senior team in place											All key personnel and senior managers hired and in place	done			
1.3	Remaining LTTA mid- and junior-level local positions recruited and hired											All program staff hired and in place (main office, roving and field based)	done			Ongoing as needed. Future staffing planned for planned scale-up to 2 additional provinces in Dec 2011 (Year 2).
1.4	Technical and other special topic (gender, inclusion, M&E, administration, etc.) training to project staff											Training provided to new staff in gender, inclusion, M&E, admin, accounting, and other specialized topics (agronomy, etc.)	done			Initial completed. Ongoing as needed.
1.5	Procurement of project vehicles											Vehicles and motorcycles procured for field staff (USAID waivers and approvals received)	done			Initial completed. Ongoing as needed.
1.6	Procurement of computers, software, and other office equipment											Initial procurement completed in January, continuing as staff hired and field offices established	done			Initial completed. Ongoing as needed.

USAID-HARVEST WORKPLAN - YEAR 1 (January 2011 - September 2011)*updated through June 30, 2011*

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N°		Year 1 (January 2010 - September 2010)									Target Y1	Deliverables	Progress Monitor			Comments	
		J	F	M	A	M	J	J	A	S			Status	To Date	Balance		
1.7	Procurement of field agronomist kits and other technical equipment												Technical equipment for field technicians procured and technicians trained in use	done			Initial completed. Ongoing as needed.
1.8	Project Intranet/Internet sites designed and launched	1	1								2		Intranet site established in January; external site established in February	done	2	0	Also see 2.2
1.9	Main office set-up & installation	1									1		Office leased and occupied	done	1	0	
1.10	Provincial office locations finalized and established				2	4					6		Field offices established	=	2	4	Targets set for initial 6 provinces; initial geographic scope scaled back to 2 provinces. Offices established in Pursat and Battambang. Offices in 2 expansion provinces to be established 1st quarter of Year 2. To date achievement of two offices is therefore considered on schedule.
1.11	Office 24/7 Internet connections in place; dial-up service for field staff established												Internet connections established	done			
1.12	Subcontracts finalized with core international partners (Auburn University, Weidemann Associates, IIE)	3									3		Subcontracts approved by USAID and signed	done	3	0	

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N°		Year 1 (January 2010 - September 2010)									Target Y1	Deliverables	Progress Monitor			Comments	
		J	F	M	A	M	J	J	A	S			Status	To Date	Balance		
1.13	Initial purchase orders finalized with core pre-identified local implementing partners for Phase I activities											Purchase orders and STTA task orders prepared and approved for initial Phase I activities with local implementing subcontractors and core subs	done				
1.14	Project partners workshop		1								1	Workshop held with findings incorporated into work plan and initial priority counterparts identified	done	1	0		
2	Communications and Reporting																
2.1	Program official launch			1							1	Event		0	1	USAID Cancelled official launch; if rescheduled will be included in revised workplan.	
2.2	Project Intranet/Internet Sites Maintained											Intranet and internet sites maintained	=				
2.3	Monthly Project Bulletins				1	1	1	1	1	1	6	Monthly project bulletins	=	3	3		
2.4	Work Plan & PMEPP submitted and regularly updated		1	1							2	Work Plan (February) and PMEPP (March) submitted regularly updated (to USAID for approval)	=	2	0	Revising workplan in next quarter (including for Year 2) to reflect Phase I (validation, assessment, design) findings, with submission to USAID for approval.	
2.5	Quarterly & Annual Reports				1			1			2	Quarterly reports produced and submitted to USAID	=	2	0		

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N°		Year 1 (January 2010 - September 2010)								Target Y1	Deliverables	Progress Monitor			Comments	
		J	F	M	A	M	J	J	A			S	Status	To Date		Balance
2.6	Success stories and other materials submitted to USAID for publication and broadcast						1	1	1	1	4	Success stories produced (1 monthly throughout remaining life of project)	X	0	4	Because of the delay in the initiation of many Phase II field activities, success stories will commence next quarter.
2.7	Branding and marking plan implemented (including USAID brand signage on all lead/demo farms, infrastructure investments, other program activities, etc.)											USAID branding and marking plan implemented (including appropriate signage)	=			Branding & Marking Plan submitted to USAID with proposal; ongoing branding/marketing activities
2.8	Social marketing campaigns designed and implemented through local mass media in key topics (nutrition, health, chemical safety, productivity, climate change, environment, social inclusion, etc.)							1		1	2	Social marketing campaigns implemented	X	0	2	In process of evaluating media providers and content; communications specialists hired
3	Phase I Activities (Validation, Assessment & Design)															
3.1	Secondary data review/complementary project analysis			1							1	Report with bibliography and selected analytical summaries	done	1	0	
3.2	Identify interventions of other counterparts (public-sector, other donor programs), possible NGO partners, and possible private-sector partners (for alliances) in target provinces and districts				1						1	Summary report of other programs and partners within target areas -- government agencies, other donors, NGOs, private-sector partners in target provinces (at district and commune levels)	done	1	0	
3.3	Consultations with key counterparts and partners											Key counterparts and potential partners consulted	done			and ongoing

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		J	F	M	A	M	J	J	A			S	Status	To Date		Balance
3.4	Prioritization of policy priorities for project interventions based on participatory dialogues with key private sector actors (including small farmers), in-house and subcontracted analysis (e.g. CDRI)					1					1	Report summarizing policy priorities and proposed initial interventions	done	1	0	
3.5	Pre-selection of target agricultural crops and products based on market analysis of local, regional and extra-regional markets					1					1	Market analysis report recommending key target crops and products	done	1	0	
3.6	Identification of initial target communities (villages) at district and commune levels; community-level action plans developed using participatory approach			12	12	12					36	Communes identified for initial program focus	X	32	4	32 villages in 2 initial provinces (Battambang and Pursat) covering 5 districts. Additional planned villages for ag and other sector areas (fisheries, forestry) will likely result in target being exceeded.
3.6.1	<i>Selection criteria established and agreed upon</i>											Selection criteria finalized	done			
3.6.2	<i>Identification of initial target communities (villages) at district and commune levels for agricultural crop program; community-level activity plans developed</i>					24					24	Initial target communities identified with rationale and ranking; GPS coordinates included	done	32	-8	32 villages in 2 initial provinces (Battambang and Pursat) covering 5 districts. Additional planned villages for ag a will result in target being well exceeded; will need revision in revised workplan.

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X	Behind Schedule

N°		Year 1 (January 2010 - September 2010)								Target Y1	Deliverables	Progress Monitor			Comments	
		J	F	M	A	M	J	J	A			S	Status	To Date		Balance
3.6.3	Identification of initial target communities (villages) at district and commune levels for fisheries and aquaculture programs; community-level activity plans developed					12					12	Initial target communities identified with rationale and ranking; GPS coordinates	X	0	12	Fisheries communities and villages are pending fisheries subcontractor (Auburn University) recommendations based on Phase activities that will be confirmed next quarter.
3.6.4	Identification of initial target communities (villages) at district and commune levels for forestry and NRM programs; community-level activity plans developed					12					12	Initial target communities identified with rationale and ranking; GPS coordinates	X	0	12	The Phase 1 report from subcontractor FFI was completed in late June, therefore recommended forest communities will be selected next quarter.
3.7	Inventorying and valuation of key natural resources				1						1	Report & GIS maps	done	1	0	
3.8	Design and implementation of Monitoring and Evaluation (M&E) system											System designed and implemented	done			
3.8.1	Finalization of program M&E Plan (including deliverables, and confirmation of indicator targets PMEP)			1								Final M&E plan (submitted to USAID for approval)	done			
3.8.2	Customization of Fintrac's M&E Tool – Client Information Results & Information System (CIRIS) and other data collection systems											CIRIS customized & methodologies for other collection of data finalized	done			Ongoing customization as required.
3.8.3	Collection of initial CIRIS client baseline data											Baseline data collected	=			Baseline data collected on lead clients is on going

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		J	F	M	A	M	J	J	A			S	Status	To Date		Balance					
3.8.4	Initial baseline data collection to capture indicators not in CIRIS																M&E plan (post workplan) initially scheduled base line for early year 2. Now scheduled to be brought forward to begin in September/October 2011.				
3.9	Partnership Alliances (with NGOs and private sector)																				
3.9.1	Prepare and advertise announcements for potential partners to submit concept notes for activity funding																Initial "Round 1" announcements in June 2011; ongoing through LOP				
3.9.2	Review concept notes and select partners for further negotiation, development and implementation of alliance/partner programs				2	2	2	2	2	2	2	2	2	2	12		Partner/alliance programs developed with NGOs and private sector partners	X	1	11	Partner program completed for 1 NGO, with 14 concept papers under review for the selection of an additional 8 for the food security initiative for the 2 initial target provinces
3.10	Establishment of provincial offices in selected target communities														6		Offices established	=	2	4	Targets set for initial 6 provinces; initial geographic scope scaled back to 2 provinces. Offices established in Pursat and Battambang. Offices in 2 expansion provinces to be established 1st quarter of Year 2.

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3.11	Conduct technical skills and training needs assessment for short-term and long-term programs and identify appropriate local, regional, and US educational training institutions					1					1	Report on needs assessment, including ID of appropriate programs and institutions; and overall management plan for limited	X	0	1	Initial "short list" completed; international study areas need to be defined for assessment completion.
3.12	Conduct a feasibility study for needed new small-scale infrastructure, large-scale infrastructure, and value-added investments (e.g. food processing plants)					1					1	Report with recommendations on small-scale infrastructure investments (through HARVEST), large-scale investments (recommendations to govt and other donors), and value-added investments	X	0	1	This activity will now be on a demonstration site basis only and scaled down. Discussions with USAID are ongoing about possible removal of infrastructure activities within program. If retained in program, activity will be reprogrammed.
3.13	Development of designs and construction for small-scale infrastructure							10	10	10	10	Projects implemented	X	0	40	Discussions with USAID are ongoing about possible removal of infrastructure activities within program. If retained in program, activity will be reprogrammed.
3.14	Social inclusion, gender, youth and extreme poor assessment				1							Assessment included with recommendation and proposed activities to ensure gender, youth and extreme poor inclusion in program activities	done			

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3.15	Environmental Assessment (EA) and Pesticide Evaluation Report and Safe Use Action Plan (PERSUAP)				2						2	EA and PERSUAP completed and submitted to USAID for approval	done	2	0	IEE approved, PERSUAP pending approval				
3.16	Phase I synthesis report with finalization of Year 1 work plan, illustrative length-of-project work plan, and PMEP						1				1	Synthesis report submitted to USAID with revised work plan (Year 1 and LOP) and PMEP	X	0	1	Extension given for report submission to early next quarter. In process.				
PHASE II ACTIVITIES (illustrative, will be finalized during Phase I)																				
4	Agriculture (Crops) Program																			
4.1	Development and production of technical manuals and other training materials for agriculture (crops) -- production, postharvest, processing			2	2	2	2	2	2	2	2	2	2	2	14	Technical manuals and other training materials produced	X	0	14	Demonstration site locations for several crops have been selected and initial crops identified, technical recommendations will be published next quarter.
4.2	Establishment of demonstration farms with lead farmers and farmer groups				60	60	60	60	60	60	60	60	60	60	360	Demonstration farms established (in individual target communes) - average 15 demo farms per commune (24)	+	277	83	Targets set for initial 6 provinces; initial geographic scope scaled back to 2 provinces. Adjusted targets for 2 provinces given below.
	-- adjusted to reflect more limited initial geographic scope of project				20	20	20	20	20	20	20	20	20	20	120		+	277	-157	277 demonstration plots to date in various stages of implementation.

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4.2.1	-- of which demonstration plots with non-traditional higher-value crops (i.e. vegetables, fruits, sunflowers, sweet potatoes, peanuts, herbs, others)					15	24	24	24		72	72 demos; 720 beneficiary farmers	+	129	-57	Targets set for initial 6 provinces; initial geographic scope scaled back to 2 provinces. Adjusted targets for 2 provinces given below.
	-- adjusted to reflect more limited initial geographic scope of project					5	8	8	8		29		+	129	-100	129 high value crops demonstration plots to date in various stages of implementation (73 hybrid corn, 35 vegetables, 21 home garden)
4.3	Number of lead and beneficiary farmers in program				660	1320	1980	2640	3300	3960	3960	# farmer beneficiaries (of assisted lead farmers and farmer groups); numbers for each month are cumulative	X	696	3264	Targets set for initial 6 provinces; initial geographic scope scaled back to 2 provinces. Adjusted targets for 2 provinces given below.
	-- adjusted to reflect more limited initial geographic scope of project				220	440	660	880	1100	1320	1320		X	696	624	Due to later than anticipated start-up of some Phase II field activities, activity is behind schedule but will accelerate next quarter.
4.4	Number of extension visits (by program agronomists and trained alliance partners)				120	360	616	864	1112	1360	4432	extension visits to lead/demo and beneficiary farms by program agronomists and trained alliance partners	X	1068	3364	Targets set for initial 6 provinces; initial geographic scope scaled back to 2 provinces. Adjusted targets for 2 provinces given below.
	-- adjusted to reflect more limited initial geographic scope of project				40	120	205	288	371	453	1477		+	1068	409	

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4.5	Farmer participants in training/extension events through demonstration farms				600	1800	3080	4320	5560	6800	22160	Participants in on-farm training events (training to include production, postharvest, business skills, marketing, other topics)	X	601	21559	Targets set for initial 6 provinces; initial geographic scope scaled back to 2 provinces. Adjusted targets for 2 provinces given below.
	-- adjusted to reflect more limited initial geographic scope of project				200	600	1027	1440	1853	2267	7387		X	601	6786	Due to later than anticipated start-up of some Phase II field activities, activity is behind schedule but will accelerate next quarter.
4.6	Integrated Pest and Crop Management training to program farmers and counterparts				300	900	1540	2160	2780	3400	11080	Participants	X	601	10479	Targets set for initial 6 provinces; initial geographic scope scaled back to 2 provinces. Adjusted targets for 2 provinces given below.
	-- adjusted to reflect more limited initial geographic scope of project				100	300	513	720	927	1133	3693		X	601	3092	Due to later than anticipated start-up of some Phase II field activities, activity is behind schedule but will accelerate next quarter.
4.7	Alliance partner extension program (alliances developed and implemented to provide expanded and improved BDS services)					3	5	4			12	# of alliances developed with NGOs and private sector to be determined based on Phase I findings, open solicitations, and in-field evaluations	X	0	12	Alliance activities/partners being identified now that Phase 1 findings have been concluded and reviewed
4.6	Input Supply Program - Availability, Quality, and Use															

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4.6.1	<i>Domestic seed production expansion program (improving extant rice, legumes and other field crops)</i>					2	2	2			6	One formal linkage with seed production/zone measured in increased availability and use of locally sourced improved seed	X	1	5	One formal linkage with Asia Seed for hybrid corn
4.6.2	<i>Import seed distribution enhancement program (including field trials)</i>				2						2	Hybrid seed availability through project supported international seed importers and distributors	=	2	0	Certified rice and 4 hybrid seed varieties through 2 distributors
4.6.3	<i>Fertilizer supply enhancement program</i>											TBD in Phase 1, but measured in increased availability and use of fertilizers and improved fertilizers (with resultant yield increases)	=			All demonstration sites of corn (73) have applied first time fertilizer applications. Rice will do the same
4.6.4	<i>Input supply store training program</i>					4	5	5	5	5	24	Input supply stores receive agronomist, business skills, and other training (assumes 2 per zone)	=	5	19	Due to later than anticipated start-up of some Phase II field activities, activity is behind schedule but will accelerate next quarter and Year 1 targets likely to be exceeded by end of July. Program has already selected 25 input supplier stores in Battambang and 15 in Pursat (40 total) that will receive program assistance during the workplan reporting period.

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4.6.5	<i>Farm chemical safety training</i>				120	360	616	864	1112	1360	4432	Participants in FCS training	X	0	4432	Environmental compliance officer will be hired next quarter and will begin training activities then.
4.6.6	<i>Assess and build local capacity in chemical residue testing</i>									1	1	Basic GLPs provided	=	0	1	
4.6.7	<i>Develop online pesticide registry with government counterpart</i>									1		Online pesticide registry established	=	0	0	Activity to be discussed with government counterpart.
4.7	Agriculture (Crops) - Specific Postharvest and Value-Added Activities															
4.7.1	<i>Training in improved postharvest handling techniques to farmers, transporters and buyers</i>						200	200	200	200	800	Trained in improved postharvest handling techniques	X	0	800	Training will begin next quarter as we approach the harvest months for corn and rice.
4.7.2	<i>Promotion of on-farm and community-level storage and management systems for Jasmine rice</i>						10	5	5	12	32	32 demos; 2,000 producers trained; 640 extension visits	X	0	32	Training will begin next quarter as we approach the harvest months for corn and rice.
4.7.3	<i>Assistance to rice millers in improved postharvest systems to reduce storage losses (i.e. IPM)</i>								2	4	6	6 demos; 60 millers trained; 600 Extension visits	=	0	6	
4.7.4	<i>Provision of TA and training in GMP and related food safety standards for food processing operations (for range of crops)</i>							2	2	2	6	# processors (and staff) provided training and TA	=	0	6	
4.7.5	<i>Product and process development in processing lines and facilities</i>							1	1	1	3	Processors assisted with product or process development	=	0	3	
4.7.6	<i>Provide assistance to processing plants in developing logistical solutions with suppliers (aquaculture farmers and fisherfolk)</i>						1	1	2	2	6	Processors assisted with development of logistical supply programs	X	0	6	There are no processing plants in the 2 provinces where program is initially working. Activity timing to be assessed for revised workplan.

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4.7.7	Coordination with local education providers to develop training programs on household and village-level micro processing for fish products							50	50	50	150	HHS receiving training	=	0	150	
4.8	Small-Scale Infrastructure and Technology Fund Investments - (Agriculture/Crops-Specific)															
4.8.1	Technology Fund packages for demonstration farmers					100	100	100			300	Technology packages provided to demonstration farmers				Targets set for initial 6 provinces; initial geographic scope scaled back to 2 provinces. Adjusted targets for 2 provinces given below.
	-- adjusted to reflect more limited initial geographic scope of project					33	33	33			99		+	83	16	83 corn and home garden demonstration sites
4.8.2	Small-scale multipurpose pack houses					2	2	4			8	8 small-scale packhouses built	X	0	8	Commercial vegetable plantings will begin in November, therefore demonstration infrastructure will begin at that time. Timing to be adjusted in revised workplan with USAID approval on infrastructure.
4.8.3	Small-scale multipurpose collection centers								2	2	4	4 collection centers constructed	=	0	4	Commercial vegetable plantings will begin in November, therefore demonstration infrastructure will begin at that time. Timing to be adjusted in revised workplan with USAID approval on infrastructure.

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4.8.4	Community rice storage units						2	4	6	6	18	Community rice storage units constructed	X	0	18	Initiation of this activity in the area of storage will begin next quarter corresponding with the rice harvest. Timing to be adjusted in revised workplan with USAID approval on infrastructure.
4.8.5	Smaller town agricultural markets with 20-25 simple stalls (250m ²)												=			Possible Year 2 activity (TBD based on Phase I findings and USAID approval on infrastructure).
4.8.6	Catchment ponds and reservoirs												=			Possible Year 2 activity (TBD based on Phase I findings and USAID approval on infrastructure).
4.8.7	Redesign and rehabilitation of existing canal irrigation systems					2	2	3	3		10	10 irrigation systems rehabilitated/maintained; 2400 producers benefitting	X	0	10	Currently 8 are under evaluation. Timing may need to be delayed due to rainy season.
4.8.8	Low-cost greenhouses and macro tunnels					2	2	2	2	2	10	10 low-cost greenhouses constructed	X	0	10	Once the Program has the farmer base for commercial plantings, calendarized planting will require tunnels. Because of the low elevations there will be no greenhouses.
4.8.9	Alternative energy systems for mid-sized rice mills (bio-gasification)												=			Possible Year 2 activity (TBD based on Phase I findings and USAID approval on infrastructure).

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4.8.10	Small-scale micro irrigation systems							3	3	4	10	10 micro irrigation systems in tunnels installed	=	0	10	
5	Aquaculture & Fisheries Program															
5.1	Aquaculture Program															
5.1.1	Technical materials produced for aquaculture and fisheries				1	1	1	1	1	5	5	Technical materials produced	X	0	5	Subject material identified this quarter for the production of bulletins and flyers next quarter.
5.1.2	Establishment of aquaculture demonstration farms (ponds, fish rice-culture, caged, ponds, appropriate netting, etc.)					2	3	3	4	12	12	Demonstration farms established (in individual target communes)	X	0	12	Evaluations on going this quarter for appropriate conditions for the selection of lead clients (demonstration sites) for initiation of activities next quarter.
5.1.3	Extension visits to demonstration farms					48	48	48	48	192	192	Extension visits	X	0	192	When demonstration sites are installed
5.1.4	Participants in aquaculture training events on demonstration farms					240	240	240	240	960	960	farmer participants in aquaculture production training events	X	0	960	When demonstration sites are installed
5.1.5	Establish demonstration sites for high value aquaculture (prawns, eels, etc.)								4	4	4	4 demonstration farms 200 farmers trained; 48 extension visits	X	0	4	
5.1.6	Improve the accessibility of aquaculture inputs (fry and feed) through collaboration with local producers and importers											Specific additional activities, partners, and deliverables to be defined during Phase I	X			

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5.1.7	<i>Demonstrations of rice-fish culture</i>												X				
5.2	Fisheries Program																
5.2.1	<i>Selection of initial target fishery communities around Tonle Sap</i>					6				6			X	0	6		Evaluations on going this quarter for appropriate lead clients and communities for initiation of activities next quarter.
5.2.2	<i>Selection of program partner(s)</i>												X				All activities have not yet been decided upon for selection of partners. This is on-going.
5.2.3	<i>Technical assistance and training in improved production and business practices</i>						600	600	600	600	2400		X	0	2400		Will begin next quarter when the demonstration sites will be established.
5.2.4	<i>Procurement and distribution of improved technologies (nets, cages, etc.) to demonstration fisherfolk</i>						1	1	1	1	4		X	0	4		With the completion of Auburn's visit in July, all technical activities will be reviewed to begin next quarter
5.2.5	<i>Improve accuracy of catch statistics for wild fisheries in partnership with FIA</i>										1		X	0	1		Contacted and waiting on the Fisheries Administration for guidelines

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5.2.6	Wild fisheries: CBO organization and development for improved community-based management						1	2	2	2	7	Communities to receive effective community based management training, 1400 beneficiaries	X	0	7	Discussions with FIA have begun on several management concepts to be initiated next quarter
5.2.7	Small fish landing sites constructed or improved						1	1	1	1	4	4 Small fish landing sites constructed or improved	X	0	4	Likely replacement of this activity in new revised workplan with watch towers for fish sanctuaries to be in year 2
5.3	Aquaculture/Fisheries-Specific Postharvest and Value-Added Activities															
5.3.1	Identify postharvest obstacles and recommend loss reduction initiatives for follow-on implementation						1				1	Assessment of the main causes of post-harvest losses and possible solutions	=	0	1	Initial "quick survey" completed. A more in-depth study will follow.
5.3.2	Implement improved postharvest technologies and practices to lower postharvest losses							1	1	1	3	# technologies implemented that will reduce losses by a minimum of 15% for targeted beneficiaries	X	0	3	
5.3.3	Design and implement HACCP for fish processors									1	1	# fish processors implementing HACCP	=	0	1	
5.3.4	Provision of TA and training in GMP and related food safety standards for fish processing operations							1	1	1	3	# processors (and staff) provided training and TA	=	0	3	
5.3.5	Product and process development in fish processing lines and facilities								1	1	2	processors assisted with product or process development	=	0	2	

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5.3.6	Provide assistance to processing plants in developing logistical solutions with suppliers (aquaculture farmers and fisherfolk)									2	2	processors assisted with development of logistical supply programs	=	0	2	
5.3.7	Coordination with local education providers to develop training programs on household and village-level micro processing for fish products							20	20	20	60	HHS receiving training	=	0	60	
6	NRM, Environment and Climate Change															
6.1	Natural Resources Inventory, Valuation, & Threats Monitoring Systems															
6.1.1	Inventorying and valuation of key natural resources			1							1	Report & GIS maps	done	1	0	
6.1.2	Train RGC staff to use satellite imagery, GIS software and GPS, and to maintain geo-database systems					2	2	2	2	2	10	MoE and MAFF staff trained	X	0	10	Training of RGC is the second step of 6.1.1, which was completed as part of Phase I in June. The training will be initiated next quarter.
6.1.3	Implement a web-based mapping system linked to RGC's socio-economic and spatial databases									1	1	Mapping system implemented	=	0	1	
6.1.4	Provide base maps and historical reference maps and methodologies to establish historical land use and carbon stocks for producing Land Use and Carbon Stock Maps and estimating changes in carbon emissions									1	1	Use and Carbon Stock Maps and estimating changes in carbon emissions	=	0	1	

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6.1.5	<i>Design a spatial database (geo-located digital photographs, land use survey forms, forest and soil survey databases, etc.)</i>						1				1	1 database designed	X	0	1	FA and MoE ministry counterparts were assigned to the Program in early June, therefore all RGA activities are still under their review.		
6.1.6	<i>Design an image production line and train staff in processing and classifying satellite imagery</i>						1				1	Image product line designed (staff trained - # to be determined)	X	0	1	FA and MoE ministry counterparts were assigned to the Program in early June, therefore all RGA activities are still under their review.		
6.1.7	<i>Evaluate results of different techniques for mapping degraded forest areas developing a methodology for statistically valid forest inventory</i>											Methodology established	X			FA and MoE ministry counterparts were assigned to the Program in early June, therefore all RGA activities are still under their review.		
6.1.8	<i>Train RGC staff for undertaking screening via Feasibility Assessment (rapid participatory land use, forest zoning, natural resource management from local people, etc.).</i>									5	5	10	FA staff trained	=	0	10		
6.1.9	<i>Develop and evaluate a methodology for stratifying, measuring and estimating carbon emissions factors</i>											1	1	Methodology developed	=	0	1	
6.2	Training to strengthen Cambodian capacity for carbon accounting and ability to prepare proposals for carbon finance mechanisms									10		10	Initial # in workshop format	=	0	10		
6.3	Feasibility study for crop weather stations										1	1	Feasibility study completed	=	0	1		

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6.4	Community-based water quality monitoring systems development									5	5	Community-based water quality monitoring systems initiated	=	0	5	
6.5	Community Based Organizations to Reduce Pressure on Natural Resources															
6.5.1	<i>Support and train local community wardens to monitor and protect community natural resources</i>							32	32	32	96	96 village wardens/rangers recruited and trained by commune councils and CBO's, with 7,000 hectares protected in areas of biological significance.	=	0	96	
6.6	REDD+ Policies and Procedures															
6.6.1	<i>Review legal framework for community tenure and make policy recommendations for land use REDD+</i>					3	5	5	2	3	18	Carbon revenue estimated with 2 district level studies conducted of opportunity costs for REDD+ in 18 community Protected Areas. Policy recommendations for Benefit Sharing Mechanisms.	X	0	18	Concept paper submitted and reviews set with ministries, work will begin next quarter

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6.6.2	<i>Organize national and sub-national REDD+ dialogues with working groups at sub-national levels (district, municipality, province)</i>									1	1	2	1 framework developed for community forests and 1 for state forests and protected areas to align with national REDD+ road map (sub-national REDD strategies formulated)	X	0	2	Concept paper submitted and reviews set with ministries, work will begin next quarter			
6.6.3	<i>Develop and disseminate communication material for community and RGC awareness on climate change and carbon</i>									6	6	6	6	24	Local language materials produced and disseminated across 4 provinces. Education training in 4 provinces. In addition up to 200,000 people reached by radio spots (messaging)	X	0	24	Concept paper submitted and reviews set with ministries, work will begin next quarter	
7	Community-Based Management of Agricultural and Forest Lands																			
7.1	Improve incomes for Non Timber Forest Product (honey, resin, cardamom, rattan, etc.) value chains									2	2	4	4	4	16	16 communities to identify high value NTFPs, 50 village working groups implementing value chain corrective measure pilot projects for increased income, incorporating climate resilience benefiting to 1,600 (290 HH) people.	X	0	16	FFI Phase I report completed in late June for the planning and initiation of Phase II activities. Anticipated to begin next quarter.

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7.2	Initiate silviculture activities in degraded watersheds and core biodiversity conservation areas						2	2	4	4	12	Seed collection and establishment of 12 nurseries to reforest degraded areas in 12 incorporating climate resilience benefiting to 1,200 (218 HH) people.	X	0	12	FFI Phase I report completed in late June for the planning and initiation of Phase II activities. Anticipated to begin next quarter.
8	Cross Cutting Activities															
8.1	Marketing & Market Analysis															
8.1.1	Continued selection of target agricultural crops and products based on market analysis of local, regional and extra-regional markets											Ongoing market analysis reports recommending key target crops and products	=			
8.1.2	Crop/Product/Market-specific surveys						1	1	1	1	4	Market surveys completed and disseminated	=	1	3	Market survey of 15 villages conducted as part of Phase I
8.1.3	Analysis of existing market information systems and identification of program interventions							1			1	Analysis completed with recommendations for program interventions and counterparts	=	0	1	
8.1.4	Train counterparts, trade associations and government staff in market analysis methodologies										20	Trained in market analysis	=	0	20	
8.1.5	Identify specific logistics systems for improvement for key products/areas (i.e. fish, rice, vegetables, etc.)										1	Analysis completed with recommendations for program interventions and alliance partners	=	0	1	

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8.1.6	Identify and establish formal and informal market linkages					50	100	100	100	100	450	Suppliers provided with new formal buyer linkages	X	49	401	Targets set for initial 6 provinces; initial geographic scope scaled back to 2 provinces. Adjusted targets for 2 provinces given below.
	-- adjusted to reflect more limited initial geographic scope of project					17	33	33	33	33	149		=	49	100	49 buyers out of a target of 50 to date
8.1.7	Develop contract farming arrangements between suppliers and processors/other buyers						3	4	4	4	15	# Contract farming arrangements made with processors and other buyers	X	0	15	To be implemented after an assessment requested by MAFF of the Sub-decree on Contract Farming later in the year.
9	Business Development Services (BDS) & Organizational Development															
9.1	Provide business skills and organizational/governance training to farmer and other beneficiary groups						10	10	10	10	40	Farmer and other beneficiary groups provided TA and training	X	0	40	Will be implemented once commercial groups are formed for plantings in November, and Phase II activities are finalized for forestry and fisheries.
9.2	Provide business skills training and technical assistance to existing and new MSMEs in ag, fisheries and other target sectors (including allied businesses)							25	25	25	75	MSMEs receive business skills training and TA to improve operations	=	0	75	Activity is part of the household nutrition program with MSME development in the villages.
9.3	Provide training and technical assistance to partner CBOs and local NGOs to improve financial accountability, management systems, etc.				1	1	1	1	1	1	6	CBOs and NGOs provided TA and training to strengthen organizations	X	0	6	Training pending the contracting of NGO staff and CBOs scheduled for next quarter.
9.4	Finance															

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9.4.1	Develop Credit Information Sharing mechanism (CIS) so that farmers have access to various financial products available in the market												=			Basic information system being implemented in selected target villages
9.4.2	Train MFI lending staff in agricultural loan analysis and assessment							20	10	10	40		=			
9.4.3	Produce financial assessment tools and cash flows for all target products							4	4	4	16		X	0	16	
9.4.4	Develop new financial products for small farmers and other agribusinesses								1		2		=	0	2	
9.4.5	Assist rice millers and other crop processors in accessing working capital loans							4	4	4	16		X	0	16	Study on Access to Finance/Loan Facilitation for Millers being undertaken next quarter in order to begin this activity.
9.4.6	Implement pilot small-scale warehouse receipts program for rice at community levels									2	4		=	0	4	Study on Access for Millers/Paddy Collateral Warehouse
9.4.7	Train agribusinesses in record keeping, loan applications and other business skills							10	10	10	50		X	0	50	Postponed until partner NGOs subcontracted (anticipated next quarter)
9.4.8	Assist SMEs and/or large-scale investments in processing facilities in developing business plans and feasibility studies							2	2	2	8		X	0	8	Ongoing as we acquire related clients

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9.4.9	Assist SMEs (including farmers) to successfully apply for business loans, private equity, or other working capital resources (e.g. buyer or input supplier credit; warehouse receipts, etc.)					200	400	400	500	500	2000	2,000 SMEs (includes farmers) successfully applied for business loans	X	0	2000	Currently setting up information systems and training MFI credit officers for SME implementation.
9.4.10	Limited Participant Training Program															Note: Other capacity building activities are incorporated into all program elements
9.4.11	Implementation of participant training programs											HARVEST training program coordinator trained and systems designed and established to advertise, recruit and select program participants, make placements, and monitor program results	=			Training coordinator in place and systems being established
9.4.12	Participant training needs assessment				1						1	Initial assessment completed	X	0	1	Initial "short list" completed; international study areas need to be defined for assessment completion.
9.5.3	Development of initial local participant training programs with local universities (including potential field internships with program technicians)						1	1	1	1	4	Programs developed with local universities (estimated 100 participants in local participant training programs during work plan period)	=	0	4	One university participant will be sent to IPM CRSP conference in Los Banos Philippines next quarter

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9.5.4	Identification and development of shorter-term certificate based programs in critical technical needs areas (regional and US)							10	10	10	30	Placements in shorter-term programs (regional and US)	=	0	30	
9.5.5	Identification and development of longer-term (e.g. Msc) programs in critical technical needs areas (regional and US)								5	5	10	Placements in longer-term programs	=	0	10	
9.6	Policy Analysis															
9.6.1	Prioritization of policy priorities for project interventions based on participatory dialogues with key private sector actors (including small farmers), in-house and subcontracted analysis (e.g. CDR)					1					1	Report summarizing policy priorities and proposed initial interventions	done	1	0	
9.6.2	Identify needs for public investments to reduce postharvest losses and formally present findings to government							1			1	Needs assessment conducted and presented to government	=	0	1	
9.6.3	Partner with IFC/WB and other relevant organizations to support reforms to decrease time and cost of business licensing procedures											To be determined in Phase I with partners as this is a process and lobby activity	=			
9.6.4	Assist MAFF in producing regulations on plant breeders rights									1	1	One regulation on plant breeders rights	=	0	1	
9.6.5	Assist MAFF in preparing technical procedures (code of practices) on quality rice seeds production									1	1	Technical procedure (code of conduct) on quality rice seeds production	=	0	1	
9.6.6	Evaluate the financial services sector particularly MFIs and other lending institutions and seek policy initiatives that may lower interest rates									1	1	Evaluation to lead to specific activities that will be detailed in updated work plan	=	0	1	

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9.6.7	Conduct a feasibility study and provide recommendations for larger-scale private warehouse receipts systems for rice							1			1	Study to lead to specific activities that will be detailed in updated work plan	=	0	1	
9.6.8	Develop code of practice for grades and standards for rice for the RGC									1	1	Code of practice for rice drafted	=	0	1	
9.6.9	Improve government capacity to review and register new agricultural chemicals											Responsible government officials' capacity improved; specific activities to be defined during Phase I	=			
9.6.10	Seek realistic ways to enforce existing regulations on pesticides											New regulation enforcements recommended	=			
9.6.11	Assist relevant government agencies to establish food safety regulations with enforcement mechanisms specified											MOU signed between HARVEST and relevant government agencies	=			
9.7	Social Inclusion															
9.7.1	Social inclusion, gender, youth and extreme poor assessment (Phase I Activity)				1						1	Assessment included with recommendation and proposed activities to ensure gender, youth and extreme poor inclusion in program activities	done	1	0	
9.7.2	Technical, gender mainstreaming, and M&E training to partner staff working under program-funded activities											Training provided to all program staff and partners (on on-going basis)	=			

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9.7.3	<i>Integrate social inclusion, gender and youth activities into HARVEST technical components</i>											Program, partner, and counterpart staff trained in social inclusion and gender integration; activities and methods incorporated into all program activities	=				
9.7.4	<i>Design and deliver program activities that target women and poor HH (e.g. agricultural extension training, BDS/SMEs support, processing, etc.)</i>					2	2	2	3	3	12	Activities implemented, 3 per province, 900 beneficiaries	X	0	12		Initiated next quarter when NGOs are contracted to implement activities. NGO concept papers under review for NGO selection.
9.7.5	<i>Design and deliver youth program activities (e.g. integration into HARVEST agribusiness chain, processing and marketing NTFP, SME development, etc.)</i>					2	2	2	3	3	12	Activities implemented, 3 per province, 900 beneficiaries	X	0	12		Initiated next quarter when NGOs are contracted to implement activities. NGO concept papers under review for NGO selection.
9.8	Nutrition																
9.8.1	<i>Identify partnerships with community-level health providers to design and deliver activities</i>				1	1	1	1	2	2	8	# of MOUs and partner agreements signed with community-level health providers, 2 per province, 2400 HH	X	0	8		Initiated next quarter when NGOs are contracted to implement activities. NGO concept papers under review for NGO selection.
9.8.2	<i>Implement household garden training and technical assistance program within targeted communities (focusing on high nutrient and short-duration crop, as well as fruit tree crops)</i>						25	25	25	25	100	Demonstration HH demonstration plots developed, 2000 HH beneficiaries	X	10	90		Targets set for initial 6 provinces; initial geographic scope scaled back to 2 provinces. Adjusted targets for 2 provinces given below.

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	-- adjusted to reflect more limited initial geographic scope of project						8	8	8	8	32		+	10	22	The first 10 household gardens were initiated the last week of June.
9.8.3	Improved nutrition through larger-scale crop, fish, and livestock diversification of beneficiary HH farms											5000 HH benefited				Activities are incorporated within Ag Crops and Fisheries work plan sections; this activity will measure impact of crop diversification on nutrition. May be removed in workplan revision for a related PMEP indicator.
9.9	Wide-Scale Awareness and Social Marketing															
9.9.1	Design and implement public awareness and training modules that focus on environment, climate change, food security and related issues for implementation in community/communes				1	1		1	1		4	training modules developed	X	0	4	Consultants for developing subject training modules in progress.
9.9.2	Develop and deliver social marketing and community outreach programs using radio and other media to compliment work and TA being given in project area of agriculture, fisheries, NRM, etc. (Equal Access)							1			2	Programs targeting population of HARVEST districts (possible national in scope)	=	0	2	Identifying service providers to deliver programs.
10	Monitoring & Evaluation (M&E)	Activities to be elaborated in M&E plan and incorporated into workplan; see Section 3 (Phase I) for initial activities														See M&E Plan. Activities will be incorporated in revised workplan based on Phase I findings.

ANNEX II: FINANCIAL SUMMARY