



## I. Overview/Introduction

Cambodia HARVEST is five-year food security program focused on increasing incomes for 70,000 rural Cambodian households as part of the United States Feed the Future and Global Climate Change initiatives. The Cambodia HARVEST approach to date has developed 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. The subcontractor will contribute to overall Cambodia HARVEST program targets and goals through implementation of the technical activities as outlined in the scope of work.

The Rural Economic and Agriculture Development Agency (READA) is a non-profit organization has jointed partnerwith international and local NGOs such as CONCERN, ADDA, LOTUS RELIEF CHARITABLE, AGRISUD, CCC, and DAI. The Rural Economic and Agriculture Development Agency (READA) received a newsub-contract grant from Cambodia HARVEST project #111 for continuing until March 2016 to work for improving Food Security and Family Nutritionin 47 villages of 12communes in Chikraengdistricts and Siem Reap town of Siem Reap provincewith target to442 direct clients and 301 indirect clients.

## II. Horticulture

### 1. Main Activities

- ✓ Organize and facilitating field day events
- ✓ Providetechnical assistance
- ✓ Provide on-farm training
- ✓ Provide farm chemical training to clients and lead clients
- ✓ Graduate Clients

### 2. Achievements

#### 2.1 Sign up client for phase II project (*Done*)

The numbers of 442 direct clients including 100 commercial horticulture clients, 259 commercial horticulture scaling up clients and 83 home garden clients had are staying on hand in Chikraeng district and KrongSiem Reap. Otherwise, the total of 301 farmers also had been selected and signed up as indirect clients.

#### 2.2 Participant attend field day event

Field day events were organized at client'sfarm in order to demonstrate to new technology to client and non-client through the step of vegetable growing stage. As the result, the number of 655 participants including 411 female had participated in the field day events conducted by READA-Cambodia HARVEST technicians. Normally, there are around 30 participants including clients and non-clients required to participate in every events organized. Based on and guideline and the topic, there are 2-3 trainers per event to manage and facilitate for each field day event. The topics of field day are followed the guide developed by Harvest project agronomists team.(Table-1)

#### 2.3 Extension visit or technical assistance (TA)

The total of 2,949technical assistant (TA) had been provided by six (6) technicians to lead clients and clients in the target area while the target for this quarter is only 800 TA events. The purpose of technical assistant (TA) is to assist and monitor clients in order to increase crop yield through technicians' weekly observation and

recommendation. The detail of TA event has been shown in table 1.

#### 2.4 Participant attend on farm training

Theory and practical training are every importance for lead client and member clients in order to transfer the modern agriculture technology for improving their agriculture practice (high yield). The short course training were conducted at the farm directly after providing technical assistance, all client they learnt from each other during they participate all training courses provided by technicians. As the result for this quarter, the total of 2,110 clients including 1,157 female participated in the training which conducted by READA-Cambodia HARVEST technicians. (Table-1)

#### 2.5 Participants attend farm chemical safety training

In the period of August to October 2015, the total of 395 clients had participated in the farm chemical safety training including 232 female. This training session is very important in order to make the crop more safety as well as to make the producer reduce affective from chemical.

**Table 1: TA/participant attend on farm training and field day events**

Activities	Target (Q4)	Achievement	
		Total	Female
Participants attend field day events	600	655	411
TA (visits)	800	2,949	-
Participants attend on farm training	600	2,110	1,157
Participant attend farm chemical safety training	0	395	232

#### 2.6 Crop Planting Activities

In the period from August to October 2015, the total of 217 clients including 93 CH-Scaling up clients, 25 CH clients, 29 home garden clients and 70 home gardening II clients have been planting the crop in cycle II while 255 other clients including 66 CH Scaling up clients, 35 commercial horticulture clients, 46 home garden clients and 108 home gardening II clients are planting crop in cycle III and 32 others are planting in cycle IV. Up to this date, the total of 750 clients had planted the crop in cycle I, 699 clients have been planting the crop in cycle II, 383 clients have been planting the crop in cycle III and 27 others start the crop in cycle IV. (Table-2)

**Table 2: Crop planting data**

Status	Client Sign Up	August-October-2015				Up to date			
		Cycle I	Cycle II	Cycle III	Cycle IV	Cycle I	Cycle II	Cycle III	Cycle IV
Commercial Horticulture (CH)	101	0	25	35	9	101	82	51	11
Scaling Up (SU)	263	0	93	66	10	263	246	109	13
Home Garden (HG)	85	0	29	46	2	85	70	61	3
<b>Total</b>	<b>449</b>	<b>0</b>	<b>147</b>	<b>147</b>	<b>21</b>	<b>449</b>	<b>398</b>	<b>221</b>	<b>27</b>

#### 2.7 Clients Graduation

There was no client had been graduated in the period of August to October 2015. Up to this date the number of 112 clients and lead clients has been graduated including 5 commercial horticulture clients, 5 commercial horticulture scaling up, and 102 home gardens.

### IV. Food Security and Family Nutrition

#### 1. Main Activities

- Conducted family nutrition on-farm training to FSNG
- Provided training to school student
- Provided technical assistance
- Cooking demonstration

## 2. Achievements

### 2.1 Signing up client/group forming/signing up school/health center (done)

Sign up and group forming was done during quarter III of subcontract #82 with 14 client groups with 374 members including 364 female and one (1) primary school (*Spean Thnot Primary School*).

### 2.2 Family nutrition on-farm training

Family nutrition on-farm training normally conducted by each nutrition specialist to the client group they formed. The training sessions were developed and sharing family nutrition education to every member in the group. From August to October 2015, both family nutrition specialists had conducted 39 on-farm training events to 700 clients including 664 female. The topics of training are followed by Food Security and Family Nutrition area. (Table-3)

### 2.3 Technical assistance

In order to change client habit related to food consumption in family, nutrition specialists usually provide technical assistant (TA) to clients by face to face. As the result, both nutrition specialists had provided 330 TA to the clients. The key message for TA related to training topics provided. (Table-3)

### 2.4 Cooking demo

Theory and practice are very importance for effectiveness of activities. After provide theory training about family food consumption to the clients, cooking demonstration activities will be practiced with clients in order to show them how to cook meal for family member with compost of nutrition vegetable and meat they produced in the local. As the result, the total of 11 cooking demo were conducted to 220 participants including 210 female. (Table-3)

**Table 3: On farm training/school training/TA/cooking demo/community action**

<b><u>Activities</u></b>	<b><u>Target (Q4)</u></b>	<b><u>Achievement (Q4)</u></b>	<b><u># Participants</u></b>	
			<b><u>Total</u></b>	<b><u>Female</u></b>
Provided technical assistant to client and lead clients (TAs)	180	330	-	-
Conducted on farm training to clients and lead clients), and school training to students	45	39	700	664
Cooking demo	23	11	220	210

## V. Next workplan

### 1. Horticulture

- Provide field day events to 600 participants in all target villages
- Provide 400 technical assistance to the clients and lead clients in the target villages
- Provide on-farm training events to 600 clients and lead clients in the target villages
- Provide farm chemical safety training events to 300 participants
- Graduate at least 200 clients and lead clients

### 3. Food Security and Family nutrition

- Provide technical assistant to 180 clients and lead clients on family nutrition
- Conduct 30 group training to food security/nutrition clients
- Conduct 14 cooking demo to clients and lead clients at the target villages
- Conduct 6 community action at the target villages

VI. Pictures



**Horticulture Activities**



**Nutrition Activities**

## VII. Conclusions

### 1. Summary the overall achievements

**Horticulture unit:** During this quarter, the total of 655 participants including 411 female participated in the field day events which conducted at the target field. The numbers of 2,110 participants including 1,157 female participated in the on farm training events, the numbers of 2949 technical assistances were provided to clients and lead clients in the target village. Otherwise, the numbers of 395 participants including 232 female participated in farm chemical safety training event. In-addition of this above summary, up to this date, the number of 743 clients had planted the crop in cycle I, 699 clients have been planting the crop in cycle II, 383 clients have been planting the crop in cycle III and 27 clients start the crop in cycle IV. Otherwise, up to this date, the total of 102 clients had been graduated. For **food security and family nutrition unit**, the numbers of 39 on training events had been conducted to 700 clients including 664 female. The numbers of 330 TA also had been provided to clients and lead clients. Otherwise, the numbers of 11 cooking demo had conducted in the target village with 220 participants including 210 female.

### 2. Challenges/constraint

- Sometime difficult to work with web base application system due to internet system running slowly and the system error occurred many times during entering the data.
- Some farmers busy with rice production and some go to the green bean farm so it is difficult to collect participants to participate in the field day event or community action.

**Prepared by: Tan Tokla**

**Position: Liaison Officer-READA**

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