



RESEARCH PROGRAM ON
**Climate Change,
Agriculture and
Food Security**



Farmer's Logbook

Solar calendar Lunar calendar

Household's name:

Address:

Notetaker (*Mark X for all persons who take note*)

Wife Husband

Children Others (*specify*):

Log period

From (date)..... to (date).....

SUMMARY

This logbook is designed for farmers to observe weather, management, outputs, and impacts of a farming practice. This logbook aims to:

- encourage farmers to document their observations and management;
- to monitor and evaluate interventions; and
- to encourage social learning.

Use one logbook for each practice. The logbook has been slightly modified for use in other contexts.

LOGBOOK OVERVIEW

- I. General information about agricultural practice
 - 1.1. General information about crop and tree
 - 1.2. General information about livestock
- II. Management of this agricultural practice
 - 2.1. Management of crop and tree
 - 2.2. Management of livestock
- III. Benefits of this agricultural practice
 - 3.1. Household consumption and income generation
 - 3.2. Other benefits of this agricultural practice
- IV. Extreme weather events during this crop season
- V. Other information

This logbook was based on the original Vietnamese texts and was tested with upland farmers who are involved in the two CCAFS-funded projects, namely **“Using climate service to enhance the adaptive capacity of women and ethnic minorities in Southeast Asia (ACIS)”** and **“Generating evidence base for upscaling local adaptation through Climate Smart Agriculture”**. ACIS is co-implemented by the World Agroforestry Center (ICRAF) and CARE International in Vietnam, Laos and Cambodia while CSV is implemented by ICRAF in Ha Tinh province, Vietnam and International Center for Tropical Agriculture (CIAT) in Yen Bai province, Vietnam.

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I. GENERAL INFORMATION ABOUT THE AGRICULTURAL PRACTICES

1.1. GENERAL INFORMATION ABOUT CROP AND/OR TREE

1.1.1. DESCRIPTION OF CROP AND/OR TREE PRACTICE

What do you call your practice?	<i>e.g. monoculture of upland rice OR orange, peanut system etc.</i>	
Area (m²)		
Components and amounts	What do you plant?	How many plants do you have on the field? <i>Kg of seed planted or Number of seedlings/trees</i>
	<i>e.g. orange</i>	<i>500 trees/ ha</i>
	1.	
	2.	
	3.	
	4.	
	Other	
What technique(s) do you apply for this practice? <i>(tick X for the technique(s) that you apply for this practice)</i>	<input type="checkbox"/> Monoculture <input type="checkbox"/> Crop rotation <input type="checkbox"/> Intercropping <input type="checkbox"/> Diversification of types and/ or varieties of crops or trees <input type="checkbox"/> Agroforestry (crops mixed with trees and/ or livestock on farm) <input type="checkbox"/> Contour-line planting <input type="checkbox"/> Mulching	<input type="checkbox"/> Water use efficiency techniques (drip irrigation) <input type="checkbox"/> Rain water harvesting <input type="checkbox"/> Compost/ vermicompost/ green manure <input type="checkbox"/> Other(s):.....

1.1.2. GROWTH STAGES OF CROP/TREE

Name of... Date for...	Plant 1	Plant 2	Plant 3	Plant 4
<i>E.g: Sowing seeds (if 2 crops in the same field)</i>	<i>Maize 20/10</i>	<i>Sweet potato 26/10</i>		
Sowing seed (if any)				
Planting seedling/ tree (if any)				
Panicle initiation (if rice)				
Flowering initiation				
Seed or fruit initiation				
Other comments <i>(e.g. if more than 4 types of crop/ tree)</i>				

1.2. GENERAL INFORMATION ABOUT LIVESTOCK

Name of animal	Animal 1	Animal 2	Animal 3	Animal 4
Area of sty/pen (m²)				
Date when raising of livestock started				
Number of livestock when raising started				
Age of livestock when raising started				
What technique(s) do you use for each animal? <i>(tick X for the technique(s) that you use for this practice)</i>	<input type="checkbox"/> Biogas <input type="checkbox"/> Bio-bedding – use effective microorganism <input type="checkbox"/> Vermiculture to treat manure <input type="checkbox"/> Composting <input type="checkbox"/> Improved sty/pen/cage <input type="checkbox"/> Improved breed <input type="checkbox"/> Improved feed, specify: <input type="checkbox"/> Other(s), specify:.....			

2.1.2. PESTS, DISEASE AND WEED MANAGEMENT

PEST, DISEASE AND WEED PREVENTION

Date of application	Methods applied	Name of crop/ tree	Effects of method applied, explain
<i>e.g. 31/8/2017</i>	<i>Prune branches of support trees and pepper's branches which are near to the ground</i>	<i>Mac tree and pepper</i>	<i>With this method, I observe that fungi diseases reduced because more air can pass through</i>

PEST, DISEASE AND WEED CONTROL

**Note: Specify both use of biological or chemical control, e.g. tobacco water, predators, etc.*

Pest and disease control (if any)	Date for application of controlled method	Type of pest and disease control *	Amount (specify unit)	Price (VND/ kg, VND/unit, if buying)
Herbicide application (if any)	Date for application of herbicide	Type of pest and disease control *	Amount (specify unit)	Price (VND/ kg, VND/unit, if buying)

HEALTH ISSUES OR DISEASES OBSERVATION

Date	Which livestock?	Describe symptoms (<i>if any</i>) Impact on livestock (<i>low, medium, high</i>)

DISEASE CONTROL

Date of application	Type of treatment	Amount (<i>specify unit: shots, pills, litre, bag, gram...</i>)	Price (<i>VND/unit, if buying</i>)

2.2.2. FEED

Feed sourced from farm and household waste <i>(if any)</i>	Type of feed		Amount of feed <i>(specify how many kg of feed for how many heads of which livestock)</i>	How often? Times per day? Times per week?
Buying additional feed outside <i>(if any)</i>	Date of buying	Type of feed	Amount bought for which livestock <i>(specify unit: kg, ton...)</i>	Price (VND/Kg)

III. BENEFITS OF THE AGRICULTURAL PRACTICES

3.1. HOUSEHOLD CONSUMPTION AND INCOME GENERATION

** Note: Specify all products sold and used by household (manure, fruit, seeds, leaves, animals sold etc.)*

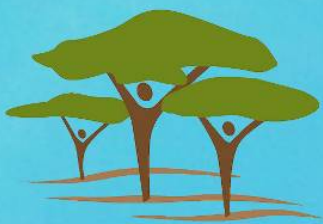
Harvest date	Harvested Product	Total amount harvested (kg)	Household consumption (kg)	Purpose of use	Amount sold (kg)	Price (VND /kg)

3.2. OTHER BENEFITS OF THE AGRICULTURAL PRACTICES

Note: Please note your observations of the benefits of using components (crops, trees, livestock) and techniques mentioned in section I.

Benefits to	Explanation <i>Example: after using compost the maize got darker green leaves and became less drought sensitive</i>
Crops/ trees/livestock <i>(growth rate, leaf colour, yield...)</i>	
Soil <i>(colour, structure, texture, moisture, fertility, organic matter, micro organism, soil erosion etc.)</i>	

Benefits to	Explanation
Water <i>(water available, water source, water colour, smell, ground water level etc.)</i>	
Air <i>(smell, smoke etc.)</i>	
Other <i>(specify)</i>	



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