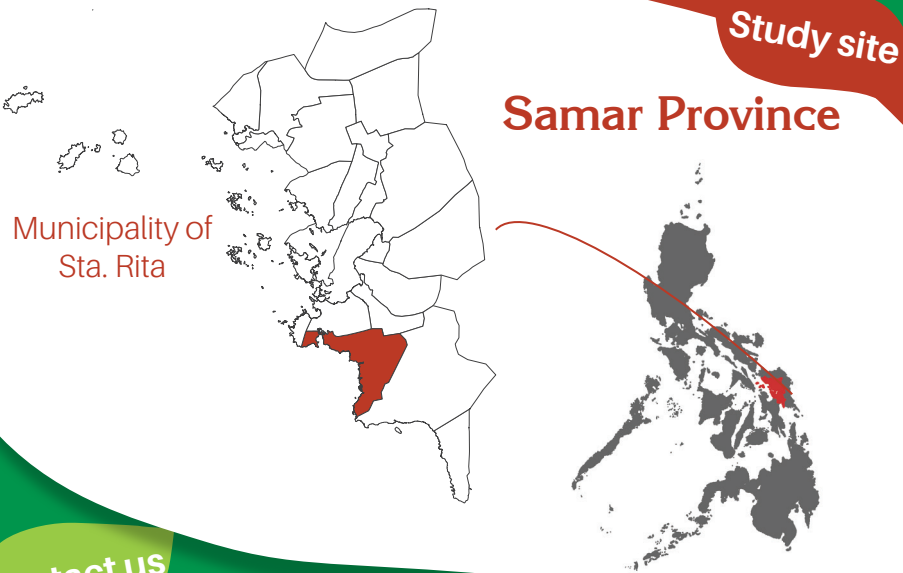
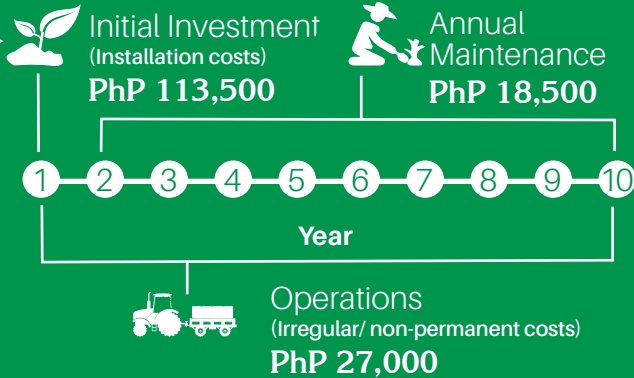


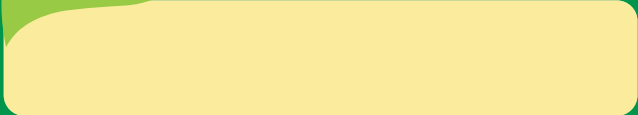
Cost of adopting CRA in 10 years

Breakdown of Initial Investment:

-  Labor & Services
PhP 7,000
-  Structure & Equipment
PhP 100,500
-  Inputs
PhP 6,000



Contact us



This investment brief was produced through the VSU-CIAT-DA AMIA-DA BAR partnership under the Department of Agriculture - Bureau of Agricultural Research (DA-BAR) project titled "Climate-Resilient Agriculture (CRA) Assessment, Targeting & Prioritization for the Adaptation and Mitigation Initiative in Agriculture (AMIA) Phase 2 in Samar Province (Eastern Visayas Region)".

Typhoons, heavy rains, strong winds, pests and diseases in your field?

INVESTMENT BRIEF



Protected Cultivation of High Value Vegetables



Climate-Resilient Agriculture (CRA)
Eastern Visayas Region

Why adopt Protected Vegetable Cultivation?

Initial Investment/
100 sq.m.
Php 113,500

Payback Period
2 years

- Reduce significant damage to vegetable crops
- Produce off-season high value vegetables
- Use water efficiently
- Avoid excessive use of pesticides for crop protection
- Replace open field cultivation

* On top of profit from conventional practice

Estimated Additional Annual Profit/100 sq.m.*
Php 58,450

How to adopt Protected Vegetable Cultivation?

✓ Create structure that can last for **10 years:**

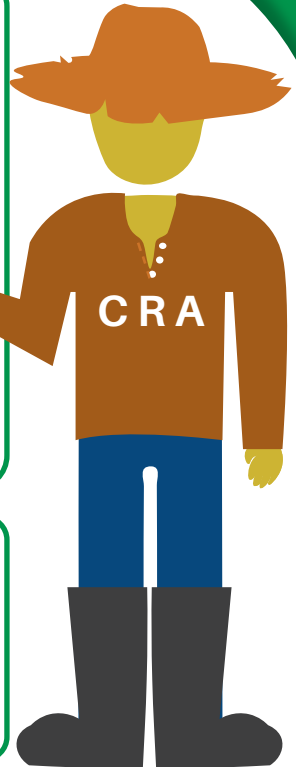
- fine mesh for cover*
- 3.5 meters height**
- 100 square meters area covered**
- aluminum frame for structure

Complement with drip irrigation:

- * Replace every 5 years
- 1 plastic barrel water tank
- 3 pcs. drip irrigation hose*
- metal pipes

✓ Plant:

- Cauliflower East-West Sunshine F1
- Broccoli
- Lettuce
- Tomato
- Sweet pepper Emperor 1
- Chili pepper



Without CRA Open Field Cultivation

1 Cropping Season 1 Cropping Season 1 Cropping Season

harvest **83 kg/100 sq.m./yr** sell for **Php 135/kg**

harvest **16 kg/100 sq.m./yr** sell for **Php 300/kg**

no harvest

With CRA Protected Cultivation of High Value Vegetables

1 Cropping Season 3 Cropping Seasons 1 Cropping Season

Jan	Feb	Mar
Apr	May	Jun
Jul	Aug	Sept
Oct	Nov	Dec

Jan	Feb	Mar
Apr	May	Jun
Jul	Aug	Sept
Oct	Nov	Dec

Jan	Feb	Mar
Apr	May	Jun
Jul	Aug	Sept
Oct	Nov	Dec

harvest **112 kg/100 sq.m./yr** sell for **Php 135/kg**

harvest **176 kg/100 sq.m./yr** sell for **Php 300/kg**

harvest **102 kg/100 sq.m./yr** sell for **Php 115/kg**