Cost of adopting CRA in 10 years

Breakdown of Initial Investment:

- Labor & Services **PhP 76,500**
- Water Harvesting Tank **PhP 14,500**/ha **PhP 288,000** per structure
- Inputs **PhP 42,000**

Initial Investment (Installation costs) **PhP 133,000**

Annual Maintenance **PhP 119,000**

1 2 3 4 5 6 7 8 9 10

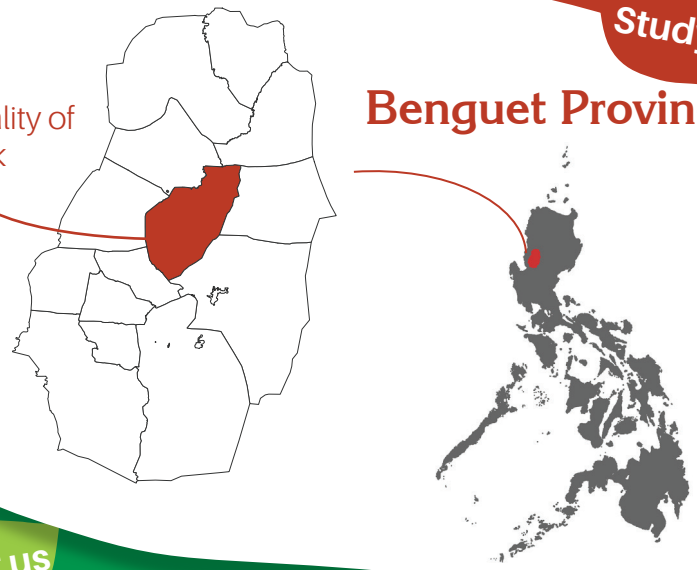
Year

Operations (Irregular/ non-permanent costs) **PhP 8,500**

Study site

Municipality of Atok

Benguet Province



Contact us

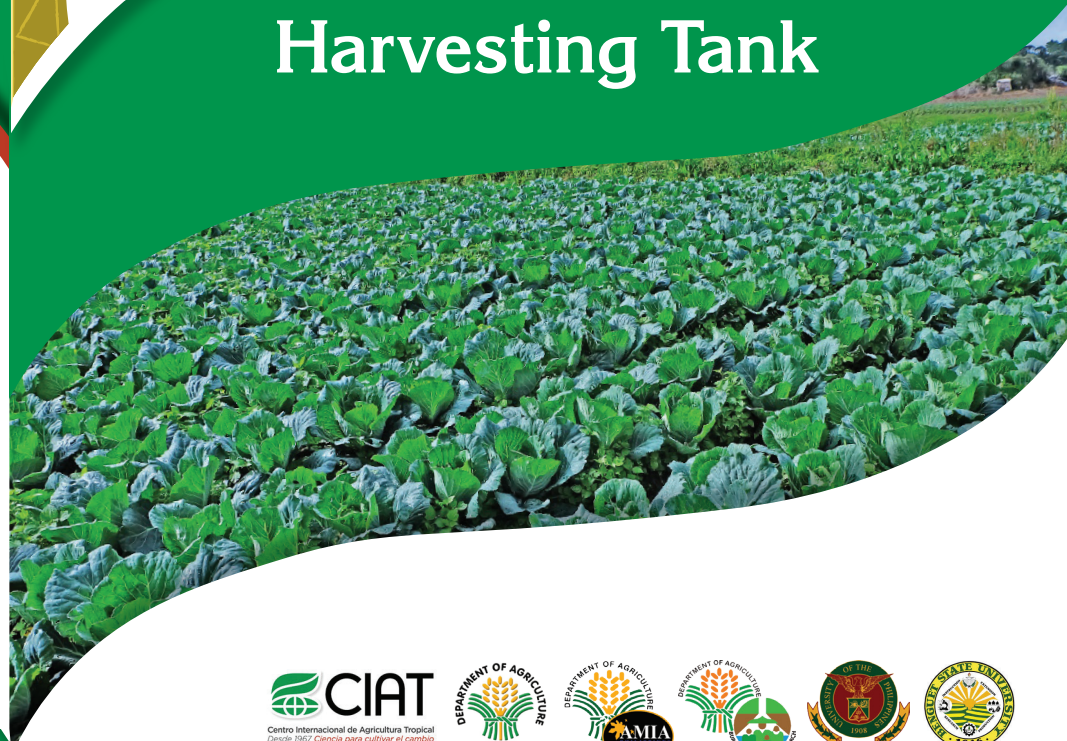
This investment brief was produced through the UPLB-BSU-CIAT-DA AMIA-DA BAR partnership under the Department of Agriculture - Bureau of Agricultural Research (DA-BAR) project titled "Climate-Resilient Agriculture (CRA) Assessment, Targeting & Prioritization for the Adaptation and Mitigation Initiative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

Frost and drought in your field?

INVESTMENT BRIEF

Adopt **CRA** now!

Water Harvesting Tank



Climate-Resilient Agriculture (CRA)

Cordillera Administrative Region

Why adopt Water Harvesting Tank?

Initial Investment/ha
PhP 133,000

Payback Period
1 year

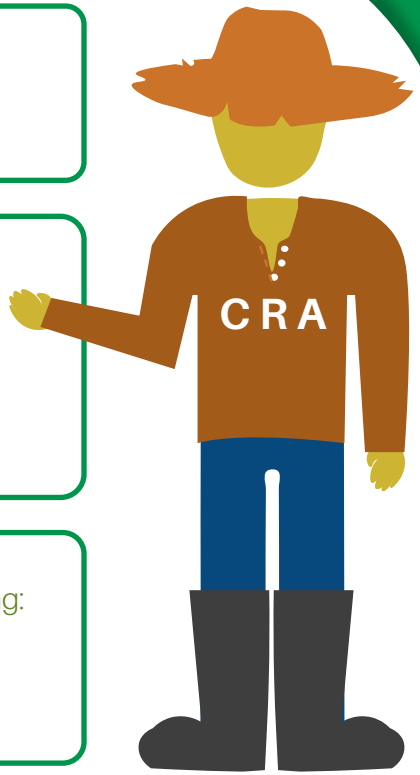
Estimated Additional Annual Profit / ha*
PhP 52,860

- Sustain cabbage production during drought
- Replace rainwater-dependence as source of irrigation water during droughts
- Have a ready source of water:
  - during dry seasons and drought
  - during wet seasons to liquefy frost on vegetables

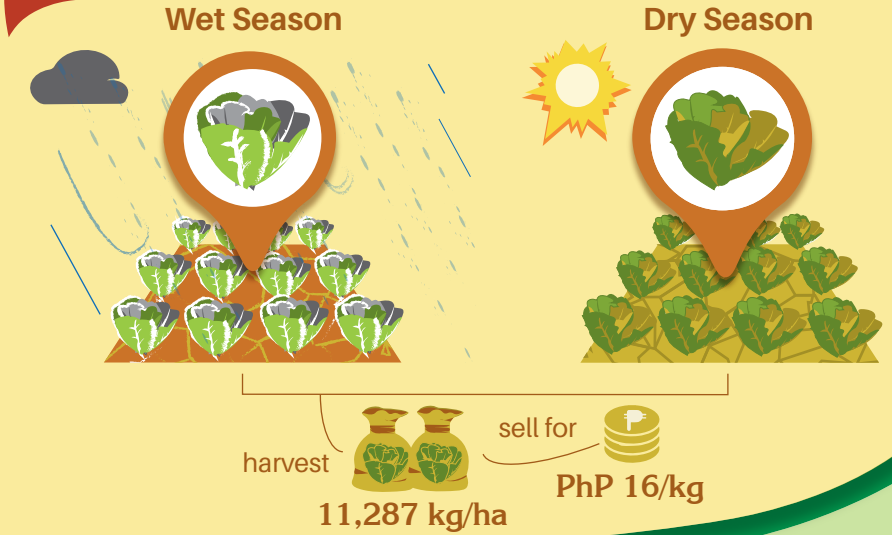
*On top of profit from conventional practice

How to adopt Water Harvesting Tank?

- Produce:
  - Cabbage and other vegetables
- As a ready source of water during drought and frost, use:
  - Cement water tank
- During frost occurrence, liquefy ice covering the leaves of the crops using:
  - Water spray



Without CRA — Limited Water Availability



harvest **11,287 kg/ha**

sell for **PhP 16/kg**

With CRA — Use of Water Harvesting Tank

harvest **16,421 kg/ha**

sell for **PhP 14.86/kg**