

Rainwater Facts

Rainwater can provide a main source of water for household consumption.

Rainwater is good for plants as it does not contain chlorine.

Rainwater is one of the cleanest sources of water available.



ICRAF Philippines Office

2/F Khush Hall, International Rice Research Institute (IRRI), Los Baños, Laguna 4031
PO Box 35024, UPLB, College, Laguna 4031, Philippines

Phone: +63 49 536 2701 or +63 2 845 0563
(ext. 2544, 2675, 2860) | Fax +63 49 536 2925

Email: r.lasco@cgiar.org
Rodel D. Lasco, PhD

ICRAF Claveria Research Site

MOSCAT Campus, Poblacion, Claveria, 9004
Misamis Oriental, Philippines

Mobile: +63 915 2039868, +63 920 5238552

Email: a.mercado@cgiar.org /
agustin9146@cgiar.org
Agustin Mercado, Jr., PhD



RESEARCH
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Rainwater Harvesting Using Animal-Built Embankments



What is the Problem?

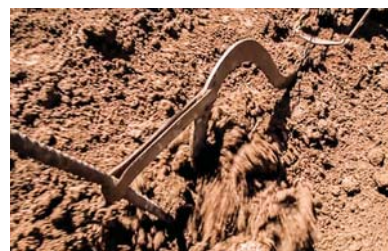
Farmers in mountains and upland areas rely on rainwater to nourish their crops. However, rainfall levels vary greatly in the Philippines. Frequent water shortages make timing agricultural activities difficult. Farmers cannot plant throughout the year, resulting in smaller incomes.



What is Rainwater Harvesting?

Rainwater Harvesting uses Animal Built Embankments to create a pond, which serves to store rainwater. This water supply can be used for various purposes, such as crop irrigation.

Ponds are typically made using machines to reduce labor, however smallholder farmers with low incomes can use existing farm equipment and resources in order to harvest rainwater more cost-effectively.



Mouldboard Plough



Animal-Drawn Scraper

What are the Advantages?



1

Rainwater ponds are effective sources of irrigation water for farmers especially during long dry spells



2

It can help farmers produce crops even during off-seasons.



3

Crops produced during off-seasons demand higher price and thus better income for farmers.



4

Rainwater can also be used for livestock.



5

Raising fish culture in the rainwater ponds can also add to the farmer's income.



6

Road draining systems can help protect roads from overflowing waters.