

Reforestation Primer

This series of PowerPoints is intended for use by trainers working in small, rural villages. It is meant to be simple but accurate and informative. Reforestation Primer is part of Warm Heart's larger Educational Program for Small Farmers, a program that begins from the assumption that rural people are not only interested in the big issues affecting their lives, but want to understand them.



Why forests matter to you

- Forests matter to you because forests are essential to everything that is essential for successful farming:
 - Water
 - Soil
 - The crops you can grow

Forests provide and manage water

• Without forests we suffer



Floods



Erosion

• Without forests we don't have

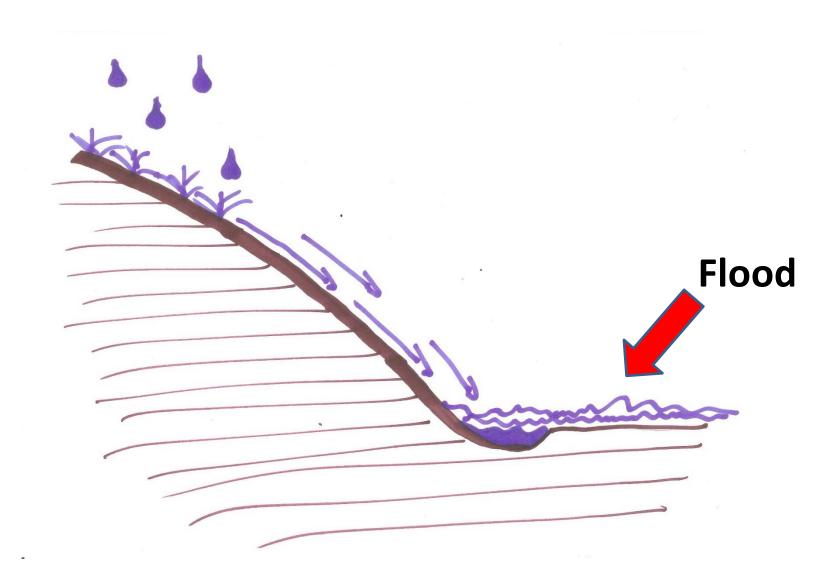


Water for crops

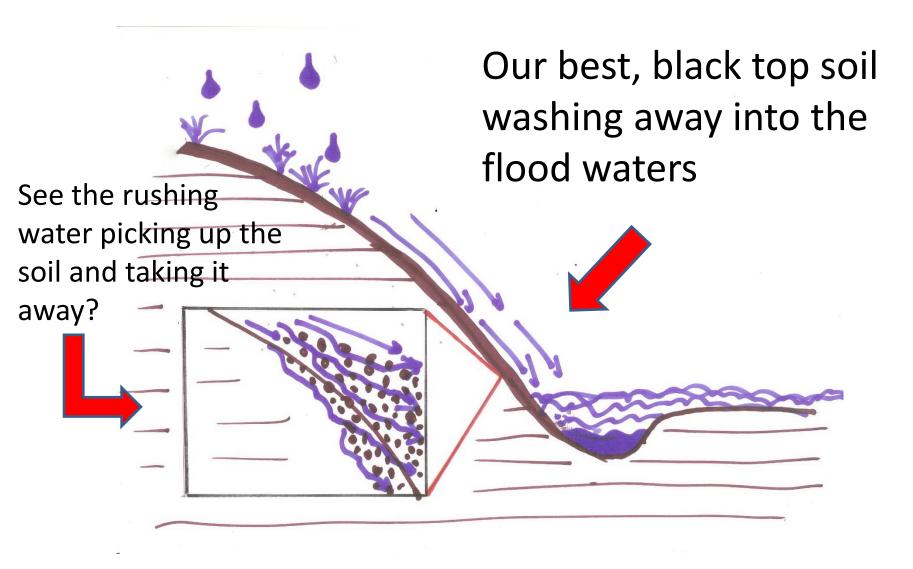


Rain

Without forests we have floods



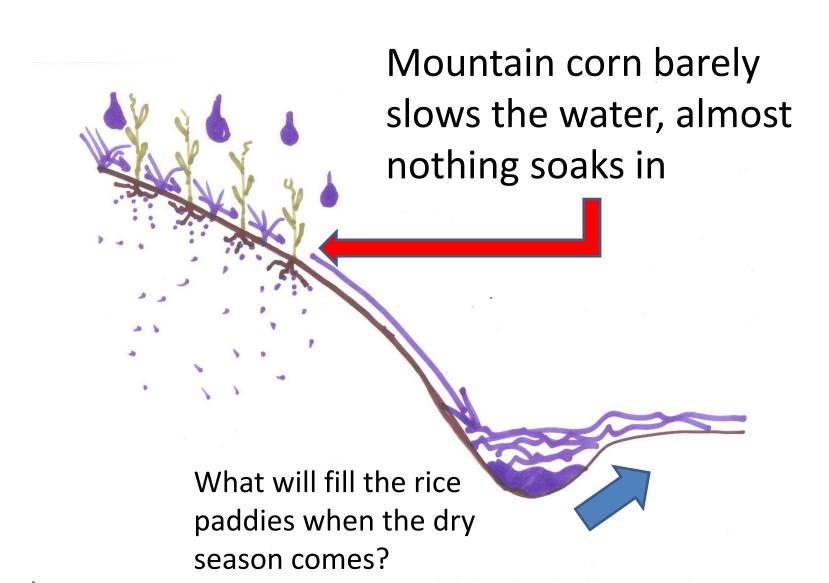
Without forests our top soil erodes



Without forests you end up with this!



Without forests no water soaks in



So what does a forest do?

Water in the ground escapes slowly providing water during the dry season

Leaves break the hard rain fall into small droplets

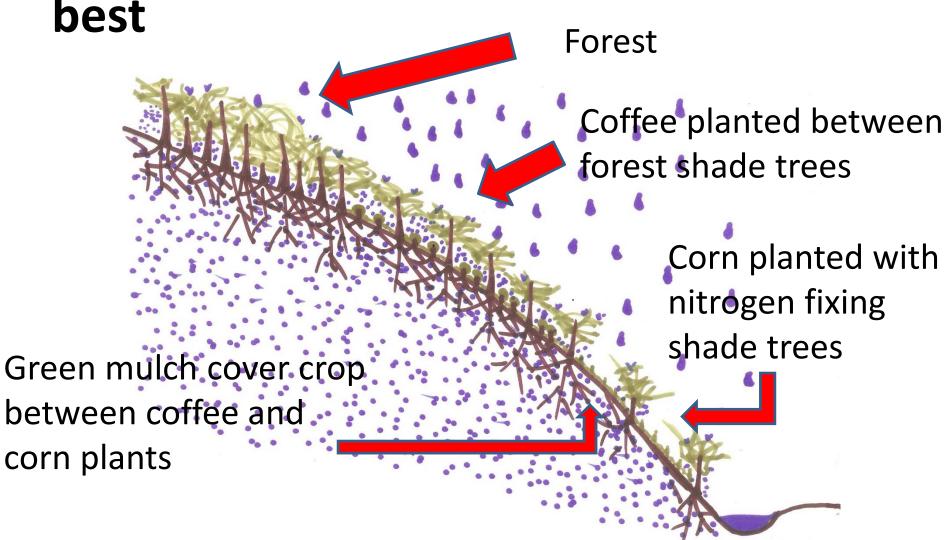
Roots let the water penetrate deep into the ground – and hold it like a sponge

Green mulch will help – and will suppress weeds, too! Green mulch cover

crops like Brazil nut

add nitrogen (N) to the soil, stop weeds and have lots of roots to let the water in. Fixes nitrogen Stops weeds Helps water penetrate

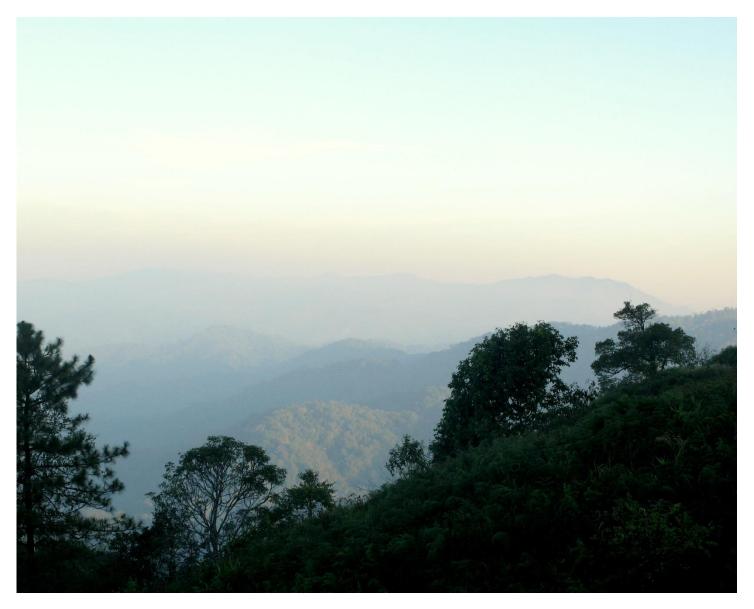
But planting forest above your farm is best



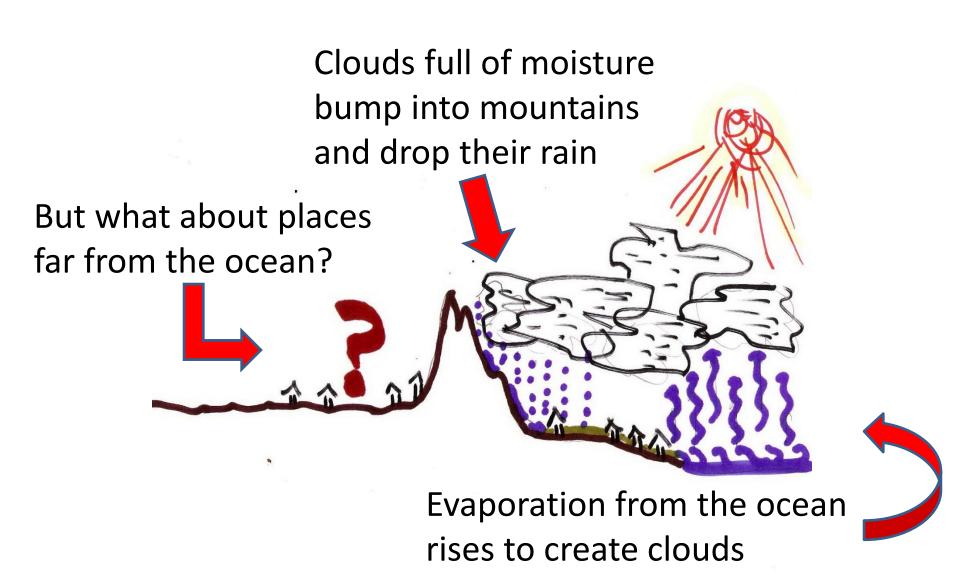
What do you think would help here?



What else can forests do?

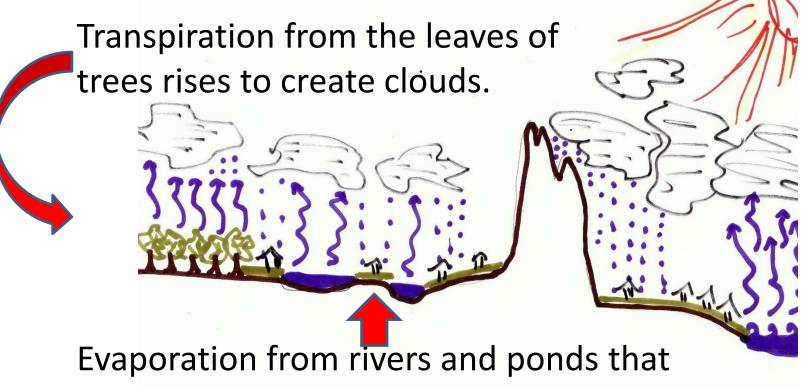


Where does our rain come from?



That's right. No forests, no rain.

10% of the humidity (water) in the air comes from "transpiration" (sweating) from trees



forests keep full rises to create clouds.

Thank you for your attention

Next time we will look at:

How forests can improve the soil your crops grow in.



Reforestation Primer for Small Farmers: What is more forest worth to me?

This PowerPoint is brought to you by **Warm Heart Publications**.

Warm Heart is a grassroots community development organization serving the world's 2.5 billion poorest people – rural small farmers.

Warm Heart Publications' Educational Program publishes a wide range of simple but accurate materials for small, rural farmers. This program begins from the assumption that rural people are interested in the big issues affecting their lives and want to understand them.

Publications in the Warm Heart Educational Program for Small Farmers cover issues as diverse as the basics of soil health and plant nutrition to mitigating the consequences of climate change and how biochar works.

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Our thanks to the Forest Restoration Research Unit (FORRU, www.forru.org). FORRU is the single best source of information about reforestation and working with villagers to organize reforestation available.



Warm Heart Publications

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