Food and Agriculture Organization of the United Nations

BUILDING FORWARD BETTER ›››
INITIATIVE

THEMATIC AREA

WATER HARVESTING & AGROFORESTRY

1. Description of the module

The module will introduce a vast range of water harvesting and agroforestry practices for agriculture and transforming landscapes, applicable under various geographical conditions. Practices will be presented also in association with agronomic and soil water conservation techniques such as managing soil fertility and enhancing soil water infiltration and retention capacity, according to existing case studies, at local level and from different geographical areas. Finally, the module will enhance knowledge and raise awareness on the need for the management of water harvesting and for increased coordination of interventions for rainfed agriculture at different levels.

2. Module structure

1. Introduction to in-situ water harvesting and surface storage techniques
2. Planning and management of landscapes for agricultural production
3. Water recharge and retention systems for agriculture
4. Soil water retention techniques
5. Composting techniques
6. Assisted Natural Regeneration (ANR)

3. Learning objectives

Participants will become familiar and consolidate their knowledge on Water Harvesting and Agroforestry practices, also through the evaluation of field applications, in order to:

• Present a number of existing Water Harvesting and Agroforestry practices, to illustrate their main features, benefits and limitations;

• Evaluate their performance with respect to several biophysical, technical, and socioeconomic criteria;

• Guide decisions on the choice of a single or a combination of several Water Harvesting and Agroforestry techniques that show positive impacts on the environment, socio-economic development, and agricultural productivity and profitability.

©FAO/Valda Nogueira

©NOOR/Benedicte Kurzen

©FAO/Valda Nogueira

SUPPORTED BY:

ITALIAN AGENCY FOR DEVELOPMENT COOPERATION

© FAO, 2020
CA9824EN/1/07.20