Alleviating Poverty & Food Insecurity through Rainwater Harvesting

**Advantages**

- Sustainable in terms of:
  - Agronomic productivity
  - Minimizing risk
  - Conservation of natural resources
  - Economic viability
  - Social acceptability

**PROBLEMS**

- Low crop production due to water scarcity on high drought risk clay soils
- Food scarcity during winter months

**SOLUTIONS**

**In-field rainwater harvesting**

- Minimize water losses due to runoff and evaporation
- Higher soil water content
- Higher crop yields

**Roof rainwater harvesting**

- Access to secondary water source
- Supplementary irrigation
- Higher crop diversity & crop rotation throughout the year

**Combining in-field & roof rainwater harvesting**

- Water for domestic purposes
- Food security

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