

## Objectives

- ✓ Effect of various irrigation schedules on the growth and yield of important crops.
- ✓ Efficacy of mulches in reduction of irrigation requirements of crops.
- ✓ Studies on the water use by crops in pure and intercropping system.
- ✓ Studies on the water and fertilizers use by different crops and their interaction.
- ✓ Comparison of different criteria for scheduling irrigation.
- ✓ Studies on crops sequences under constraints of irrigation water.
- ✓ Studies on the contribution of ground water to evapo-transpiration.
- ✓ Evaluation of different components on field water balance under varying moisture regimes.
- ✓ Evaluation of moisture retention and release characteristics of different soil types in irrigation command areas.
- ✓ Effect on different physical and chemical properties of the soils of this region under different levels of irrigation and fertilizers.
- ✓ Work out the moisture extraction pattern by different crops under different moisture regimes.
- ✓ Develop the design criteria of various irrigation methods for efficient use of water.
- ✓ Drainage studies.
- ✓ Rain-water harvesting structure
- ✓ Conjunctive use of surface and underground waters.
- ✓ Reuse of drainage water for irrigation.
- ✓ Studies related to on- farm irrigation water management in the command area at minor level.