

The Approach

The demonstration and extension activities on different aspects like integrated agricultural practices, adoption of less water requiring crops, adoption of crops and cropping sequence that gives maximum return, maintaining soil health, crop based conjunctive use of ground water, different agro technology in context to climate change, organic farming etc... are undertaken with the special focus on the following broad subjects.

- ✓ Water management in different crops for enhanced water use efficiency.
- ✓ Introduction of new crops suitable to local agro-climatic conditions which requires less water and gives more economic return to the farmers.
- ✓ Selection of crop sequences that gives maximum returns to the farmers.
- ✓ Determination of crop water requirement by different methods.
- ✓ Irrigation scheduling in major crops with specific reference to critical growth stages.
- ✓ Various approaches of irrigation scheduling viz. Pan Evaporation, Soil Moisture Depletion and Crop Growth Stages.
- ✓ Evaluation of the best agronomic practices and suitable soil amendments.
- ✓ Environmental issues arise due to increased use of fertilizers, pesticides, insecticides and their remedial measures.

The topography and inherent soil characteristics determine the need of restricted irrigation in the major parts of the SSP command. Therefore, farmers are required to be guided to adopt crops requiring less water. They are motivated to follow the crops and their sequence that gives maximum realization to them but requires less water.

The demonstration and training program is implemented in accordance of the guideline of CAD & WM program of Ministry of Water Resources, Govt. of India.