

## **IRRIGATION SYSTEMS AND TECHNOLOGIES**

**Objective:** To investigate designs, performance, and management of equipment and systems used for irrigation. This is an engineering focus to study the issues associated with irrigation equipment currently used and to reach beyond current concepts and identify future irrigation approaches.

- **Drip irrigation technologies**
- **Center pivot irrigation technologies**
  - LEPA (Low energy precision application)
  - LESA (Low elevation spray application)
  - LPIC (Low pressure in canopy)
- **Precision application technologies**
  - VRT (Variable rate technology)
  - SSI (Site specific irrigation)

**Outcome:** Improve irrigation systems, technologies, and operational management.