

Thrust areas

- Development and refinement of agronomic and other management practices for higher crop yields and input use efficiency.
- Further refinement in intercropping, relay cropping and strip cropping system for greater yield advantages and income per unit land with better soil health.
- Development of simple screening techniques for stress tolerance, physiological processes and irrigation requirement of newly developed genotypes, increasing input use efficiency and resource conservation.
- Crop diversification towards saving in water and improving soil health.
- Elucidation of mechanisms of drought and high temperature tolerance in crop plants, stress management and screening of crops/genotypes for abiotic stresses
- Integrated farming systems including the animal, crop and tree component under for different agro-ecological situations.
- Resource conservation, precision farming, role of micro-organisms and increasing input use efficiency in major cropping systems.
- Refinement of water management technologies for achieving higher water use and input use efficiencies.
- Evaluation of herbicides and herbicide mixtures and their sequential use in cropped and non cropped areas for improved weed control and resistance avoidance.
- Bioassay techniques for resistance detection, herbicide persistence and crop sensitivity.
- Improved planting methods both in dry land and irrigated areas of Haryana with the objective of multiple land use through crop diversification.
- Incorporation of information technology for agricultural extension.