

MANDATE

The Main Sorghum Research Station, Surat is mandated to undertake basic, strategic, applied and developmental research for the improvement of sorghum productivity, quality and diversified utilization under the diverse agro-climatic conditions of Gujarat. The research programme focuses on the development and evaluation of improved sorghum varieties, hybrids and breeding materials with high yield, early maturity, suitable plant height, better grain and fodder quality, and resistance to major insect-pests and diseases, with adaptability to specific agro-climatic zones of the state.

The Station also undertakes research on agronomic requirements, farming systems and insect-pest management to enhance the productivity and sustainability of sorghum cultivation. Particular emphasis is given to the development of improved genetic materials, male sterile lines and cultivars suitable for different production environments and diversified uses of sorghum.

The Station is further mandated to formulate the State Technical Programme for sorghum, facilitate its proper conduct and implementation, monitor state-level experiments, and compile, analyze and report the experimental results.

It is also responsible for producing breeder seed of improved sorghum varieties and parent seed of released hybrids, undertaking extension and developmental activities and facilitating the transfer of improved sorghum cultivars and technologies to farmers and extension personnel through training, demonstrations, farmers' meetings, field visits and other extension activities.

The overall mandate of the Station is to strengthen sorghum research, state-level research planning and coordination, experimental monitoring, data compilation and reporting, seed production, technology development and extension in Gujarat for sustainable enhancement of sorghum production, productivity, quality and diversified utilization.