

3. Objectives

1. To create the variability for high yielding varieties/hybrids (both Bt/Non Bt) through high photosynthetic efficient plant types. To drought and salinity tolerant lines, high oil and protein containing line and isolation of lines with high G.P., big boll with desirable fiber strength and length
2. To utilize the variability to develop the varieties/hybrids for multipurpose uses
3. To develop suitable genotypes for high density planting system(HDPS)
4. To investigate physio-biochemical basis of drought and salt resistant characters and biotic stress
5. To use of molecular technique for identification of varieties and quantitative traits
6. To study the nutritional requirements of cotton with special reference to phosphorus and potash
7. To work out efficient water and fertilizer management system for Bt as well as non Bt cotton
8. To develop agro techniques for HDPS
9. To study the possibility of minor pests turning in to major pest in future, biological/chemical control measures for cotton pests/diseases, disease resistance specially bacterial blight, wilt, root-rot, Alternaria, grey mildew etc.,
- 10.To monitor of diseases/pests and to develop and propagate the concept of IRM/IPM & IDM
- 11.To transfer recommend/approved technologies on farmers fields through front line demonstrations.