

3 OBJECTIVES:

A) Cotton Research Sub Station:

- 1) To verify and record improved strain of deshi /American varieties which may suit the present day requirement.
- 2) To find out suitable agronomic techniques / package of practices for cotton hybrid / varieties.
- 3) To test dwarf , compact , early maturing and high yielding Deshi / American varieties suitable for inter cropping relay cropping under rain fed condition
- 4) To work out suitable cotton based cropping systems under irrigated condition
- 5) To workout fertilizer use efficiency for increasing yield of cotton.
- 6) To develop improved cotton varieties for the region.
- 7) To study the problems of cotton cultivation.
- 8) To produce quality seeds of cotton varieties/hybrids

B) NARP Phase II (Soil & Water Management):

- 1) To develop water harvesting technologies and moisture conservation technologies for rainfed area.
- 2) To workout the water requirement for different crops of the region.
- 3) To develop the soil and water management practices for existing crop and new cropping sequence.
- 4) To develop proper cropping sequences for various water availability conditions.
- 5) To develop proper methods of irrigation for the crops of this region.
- 6) To workout the interaction between fertilizer and irrigation levels.
- 7) To develop suitable rainfed farming practices.
- 8) To find out suitable varieties for Agroclimatic Zone II.
- 9) To compare sprinkler and drip irrigation methods with surface method on different crops in different soil types of Karjan command area.