

Use of Biotechnology for Climate Smart Agriculture (CSA)

Tissue culture,
Biotechnology tools,
Madhyam for composting,
Cow Urine (Gaumutra), Liquid
fertilizers.

Composting: Farm and animal waste for
soil improvement. This activity was carried out
with about 750 farmers.

Use of cow urine for soil improvement:
30 farmers, 145 Ha land area

Tissue culture plantation:
67 Ha land area
(date palm)



Climate Smart Practices

**Crop rotation,
Inter cropping, Drip irrigation,
Mix farming, Composting, Weather
advisory, Animal husbandry including
biogas & solar**

**By promoting legume as intercrop - Total Nitrogen
fixed in soil is 103 MT equals to 224 MT of Urea**

**By promoting drip irrigation in 3684 Ha area,
10 Million Cubic meter (10% of total storage
capacity in basin area) water is conserved.**

**By promoting drip irrigation through
awareness campaigns improvement
in irrigation efficiency
is achieved.**

