

CROSS CUTTING THEMES



Climate Resilience

Climate Resilient Agriculture

Climate Change Adaptation and Mitigation activities were undertaken in Maharashtra, Uttarakhand, Uttar Pradesh, Bihar, Madhya Pradesh, Karnataka and Rajasthan with the support from NABARD, Borlaug Institute of South Asia (BISA) and Climate Change Adaptation and Food Security (CCAFS) and with the involvement of Government agencies.

Under the project -Scaling out Resilient Agricultural Systems, Technologies and Practices in vulnerable area of India, covering 25 villages each in Mathura, Uttar Pradesh, Nalanda, Bihar and Betul, Madhya Pradesh districts, various adaptation measures for farming community against climate change impacts were promoted through champion farmers. Major technologies highlighted were laser leveling of soil, sowing in lines in furrows



Nutrient and Pest Management training at Betul

and raised beds, direct seeding of rice, integrated nutrient and pest management, improved short duration varieties, tree-based farming, rain water harvesting, micro-irrigation system, crop insurance, mineral mixture and weather smart housing for livestock. Village level Climate Management Committees were formed to popularise these technologies.



Chillie production



Multiple cropping

Climate proofing was undertaken in the ongoing watershed development projects through identification and prioritization of options for action. For developing a net plan for climate resilient watershed management, current climate risks, future climate projections and impacts on agriculture and farmer's experiences were considered. Important suggestions included, soil and water conservation and increasing water use efficiency. Under this project, 20 villages in 13 watershed clusters of Satara, Ahmednagar, Beed and Yavatmal districts in Maharashtra were covered and activities such as introduction of soil fertility management practices, improved climate smart crops were introduced, after awareness and training. Repair of old contour bunds, establishment of grass and tree species on bunds and vermicomposting were undertaken by the farmers.

Under the project on Climate Smart Actions and Strategies in North Western Himalayan Region, to improve adaptive capacity of marginal farmers and women through Climate Smart Farming Technologies, over 900 men and women farmers were trained to take up soil and water conservation, spring rejuvenation, roof top rain water harvesting and establishment of tree plantations. 600

families were supported to cultivate high value vegetables in 172 bamboo based poly houses. Livestock owners were supported with breeding and health care services. Local farmers were happy with the new practices.

Under the GiZ sponsored Pro-Soil project implemented in 14 villages from the Yavatmal and Amravati districts of Maharashtra to improve the soil health through Mobile soil testing services and follow up, production of BIO-PROM, use of bio-fertilizers and bio-pesticides, compost production, water conservation measures, installation of micro-irrigation systems and solar pumps for irrigation, benefitted over 2200 families to improve soil health and food production. ■



Sustainable cotton production