





### **SHAPING A SUSTAINABLE FUTURE**













### **ORGANIC COTTON PROGRAMME**

12494
Farmers supported in organic cotton farming

14 (7000 farmers)
FPOs engaged and strengthened

11600 Farmers trained in bio pesticides practice

12200

Farmers trained in bio fertilisers practice

11774
Farmers trained in composting & vermicimposting

Farmers trained in water management

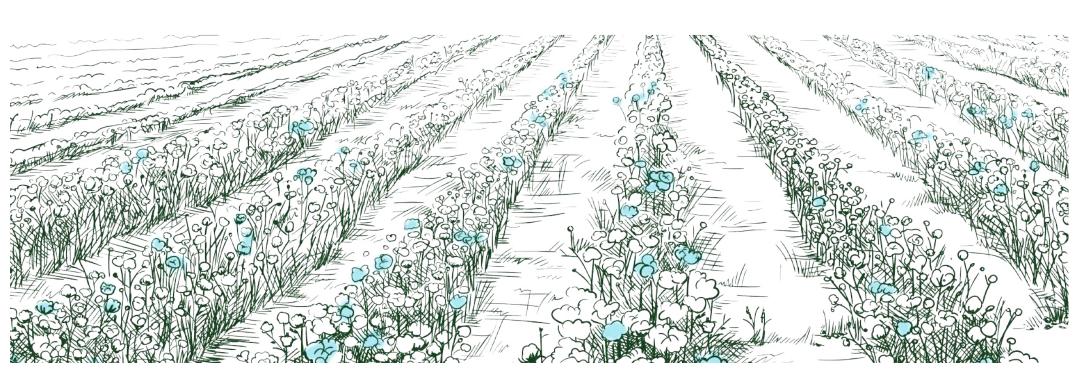
13287

Farmers trained in soil management

11381

Farmers trained in harvesting techniques







## WATER USE EFFICIENCY PROGRAMME

20,000
Farmers mobilised & trained on good

practices

Water user groups initiated

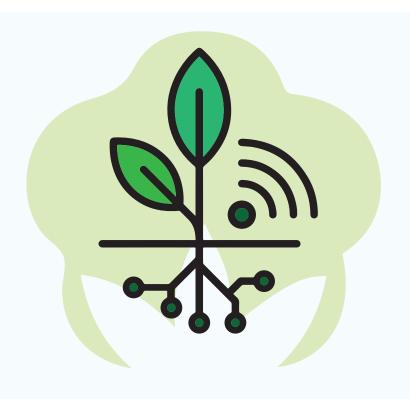
1500

Existing water structures recorded & farmers trained on structures' management

39
New farm ponds
constructed







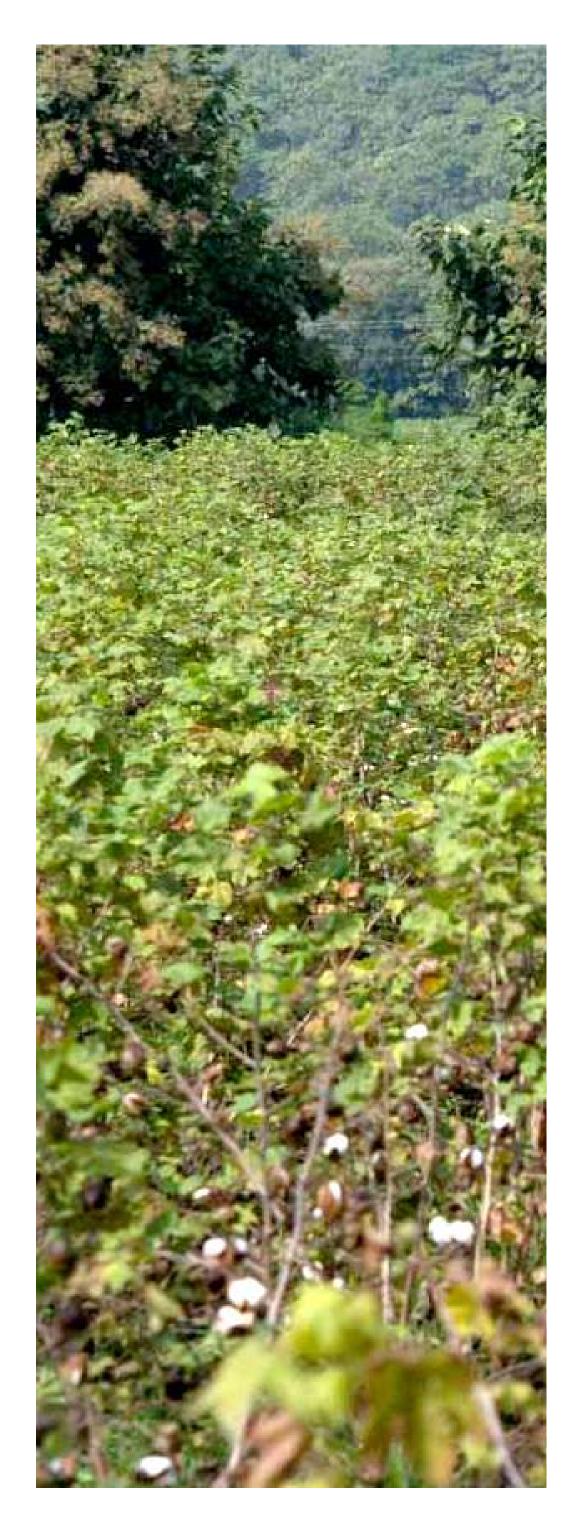
### **SMART AGRI PROGRAMME**

30534 farmers

307 villages

O5 districts 1543 trainings conducted







# REGENERATIVE AGRICULTURE PROGRAMME



Fertile soil is a prerequisite for sustainable agriculture and human wellbeing. Regenerative agriculture promises decreased GHG emission, climate change reversal, drought resistance to soil, thriving biodiversity, restored grasslands, revitalised local economy, improved nutrition and better food security. Regenerative agriculture essentially benefits soil, restoring its organic carbon through sequestration and reversing industrial agriculture's contributions to climate change, erosion, pest invasions, desertification, salinisation, decarbonisation, chemical contamination among others. The resultant is a highly productive soil that supports a more resilient food system.

Solidaridad initiated the programme on regenerative practices with 7,000 cotton farmers in Nagpur and Amravati, Maharashtra during the 2020-2021 crop cycle, adopting the regenagri certification as a framework for implementation and assessment.

#### **OUTCOMES**



**Crop** diversification



Regeneration of soil and water bodies



Soil health management



Reduced GHG emissions

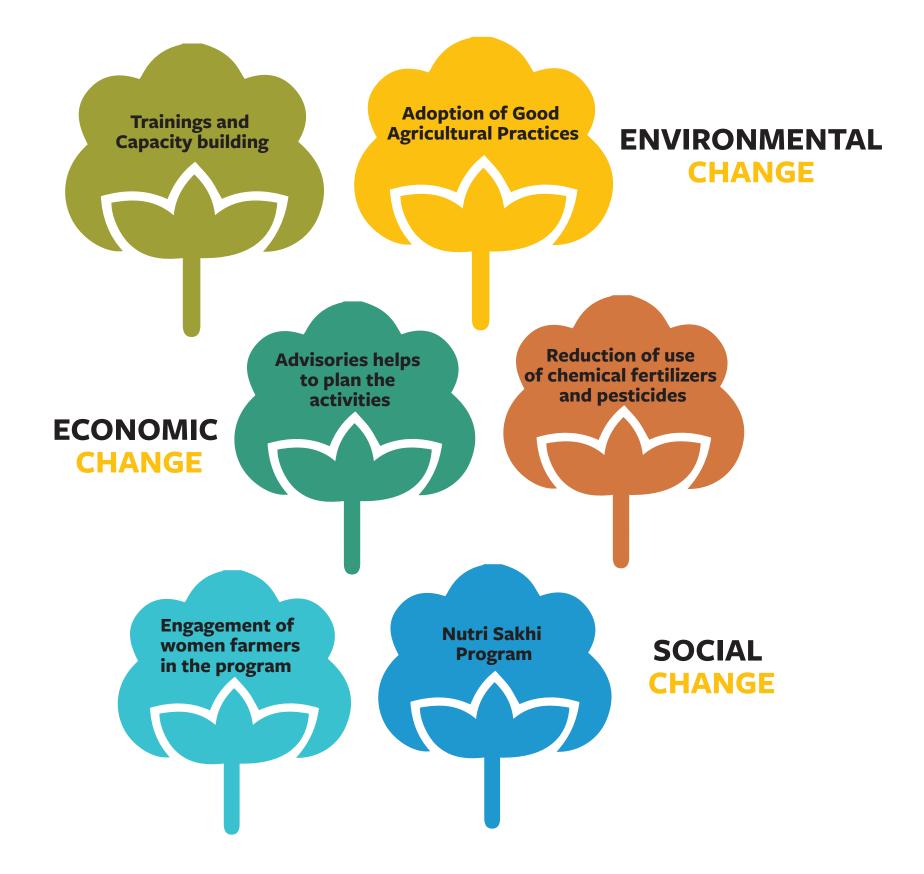


Conservation of biodiversity



**Carbon sequestration** 





### **KEY ACTIVITIES**

In 2020-21, Solidaridad disseminated a total of 227 audio and 120 text advisories on weather and crop management. Based on real time data, weather and crop advisories were provided to the farmers, enabling them to adopt good agricultural practices, thereby reducing the use of chemical fertilisers and pesticides and its impact on the environment.





Training and awareness programmes were conducted to educate farmers on the smart agritechnology and use of digital platforms to access agricultural information.

A nutri sakhi programme has been initiated to conduct training and capacity building of women, focussing on health and nutrition.

Special training programmes were organized for women farmers engaged in the agricultural business to empower and capacitate them with entrepreneurial skills.



### **SUCCESS STORIES**

# Farm ponds: A boon for farmerS

Wardha being a rainfed zone, and subject to the vagaries of the monsoon, agricultural productivity continues to lag behind. Dependence on groundwater for irrigation leads to its depletion and quality deterioration.

Nilkanth M. Kolhe is an active farmer from Manora village, Wardha district and owns a farm pond. However, the farm pond was lying idle due to silt deposits and could not contain water even during the monsoons. Ground water was insufficient to irrigate his more than two-hectare agricultural land.

With Solidaridad's intervention, Nilkanth's farm pond of 10x10x3 metres was rejuvenated. With improved and assured water availability, he was encouraged to diversify crops and venture into wheat cultivation in addition to cotton, leading to an income enhancement.

"It was good to see a huge amount of water in the farm pond after a long time. This will help me to plan the crops round the year", says Nilkanth.



