






ORGANIC AND REGENERATIVE AGRICULTURE WORKSTREAM

 Financial Partner: Laudes Foundation, Sapphire Textiles, Gul Ahmed, Artistic Milliners, Soorty Enterprises, Premium Textiles, Artistic Fabric Mills

 Region: Balochistan, Punjab, and Sindh, Pakistan
 Duration: January 2020 – December 2028

OBJECTIVE

Scaling up organic cotton production across Balochistan, Punjab, and Sindh through a comprehensive organic agriculture initiative aimed to enhance the environmental, economic and social sustainability of the cotton sector.

TARGET 2020-2028



72,000

metric tons (MT) certified cotton lint



13,000

certified organic cotton farmers



112,000

acres under organic cotton production



20%

increase in annual household income of target farmers

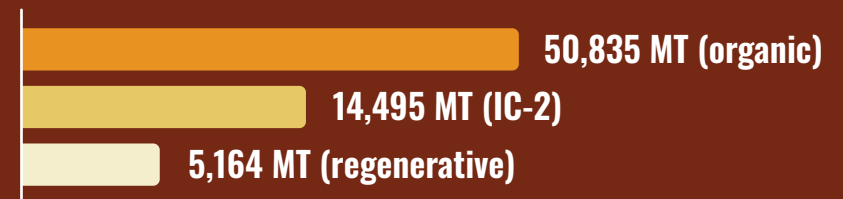
ACHIEVEMENTS 2020-2025



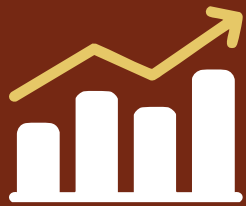
FARMER OUTREACH & CAPACITY BUILDING

- **11,499 farmers** have been certified.

- **Certified Cotton Lint Production:**



- A targeted area of **112,300 acres** has been brought under organic cultivation



ECONOMIC UPLIFT

- **20% increase** in target farmers' annual income (projected)
 - An organic premium of **PKR 1.2 billion** was distributed among **10,804 farmers**
 - Foreign Exchange Savings: **USD 130.66 million**
 - Post-Value Addition Revenue: **USD 845 million** (estimated)
 - **160.5 acres** have been intercropped with mung beans.
- Mung Beans Produced: 27,065 kg | Farmer Revenue: PKR 6.22 million

SOIL & ENVIRONMENTAL IMPACT

- **48,885 metric tons** of greenhouse gas emissions have been reduced
- **43,032 metric tons** of synthetic fertilizer use has been avoided.
- **1.43 million liters** of chemical pesticides have been avoided.
- Soil health has improved with pH reduced from 8.4 to 8.1, electrical conductivity (EC) from 3.1 to 2.7 dS/m, organic matter increased from 0.6% to 0.7%, and soil respiration, indicating microbial activity—rising by 75%.



WATER CONSERVATION

- **131.5 million cubic meters** of water have been saved through sustainable agricultural practices.
- **Irrigation Efficiency:**

8 PVC irrigation schemes

12 cemented ponds (capacity: 45,296 liters each)

1,200 ft water channel built



ECOLOGICAL RESTORATION

- **13,175 trees** have been planted, including 7,365 fruit and 5,810 native species.



936 farmers have been trained in natural resource management, with awareness raised on soil, water, and biodiversity conservation.

WOMEN'S EMPOWERMENT



- **1,539 women** have been trained under the initiative
- **Over 130 women** are now earning through stitching and embroidery
- **Each women** earns an average of **PKR 2,000 per month** from stitching work.