



ACTION STORY



ROOTS OF RESILIENCE

Strengthening Local Food Security Through Sustainable Planting

Across the region, a green transformation is taking root. The Doctorwala Agriculture Extension Program (DAEP-Doctorwala) has successfully partnered with 227 smallholder farmers to breathe new life into local agriculture. By distributing 3,500 carefully selected trees and providing essential training, this initiative is building a foundation for food security, natural cooling, and sustainable income that will benefit these families for decades to come.

Empowering the Smallholder

This project is centered on the belief that small-scale farmers are the backbone of a resilient community. DAEP-Doctorwala stepped in to provide high-quality seedlings and modern planting materials, ensuring that farmers had everything they needed to succeed from day one.

By focusing on diversification, the program helps farmers move away from a single-crop dependency. This shift not only improves daily nutrition but also creates a safety net against the unpredictable nature of the climate and local markets.

A Diverse and Purposeful Landscape

The initiative introduced a rich variety of flora, each chosen for its specific contribution to the farm and the environment:

- 1,500 Shady Trees (Acacia, Bakaain, and Sheesham): These native species act as "living shields." They provide vital canopy cover that cools the ground, protects smaller crops from the harsh sun, and offers a sanctuary for livestock.
- 1,000 Fruit Trees (Orange, Lemon, Guava, and Pomegranate): These orchards provide a sustainable source of fresh, vitamin-rich food. For many families, the surplus fruit also serves as a reliable "cash crop" to help pay for education and household needs.
- 1,000 Medicinal Plants (Neem, Moringa, and Arjun): Often referred to as a "natural pharmacy," these plants are as tough as they are useful. They thrive in difficult conditions while providing traditional health benefits and enhancing the overall biodiversity of the land.



MEET THE TREES:

BENEFITS OF THE DAEP-DOCTORWALA PROJECT

Discover how each plant species transforms communities and landscapes!

1. SHADY TREES



Acacia **Neem (Bakaain)** **Sheesham**

NATURAL COOLING: Reduce soil temperature and create comfortable shade for livestock.

SOIL PROTECTION: Prevents erosion and helps retain vital ground moisture.

CANOPY COVER: Provides essential relief from intense sun and heat.

2. FRUIT TREES



Orange **Lemon** **Guava**

NUTRITION BOOST: Provides a fresh supply of vitamins for families.

INCOME GENERATION: Surplus fruit can be sold in local markets for steady earnings.

CASH CROP: Offers smallholders a valuable financial opportunity.

3. MEDICINAL PLANTS



Neem **Moringa** **Arjun**

NATURAL PHARMACY: Offers traditional health benefits and remedies.

CLIMATE RESILIENCE: Hardy, drought-resistant plants that thrive in tough conditions.

BIODIVERSITY: Enhances the ecosystem with natural properties.

Global Landcare Action Stories 2025

A DAEP-DOCTORWALA INITIATIVE

Supporting 227 Smallholder Farmers

 Global
LANDCARE



Knowledge That Grows

The true legacy of the DAEP-Doctorwala program is the knowledge left behind. Beyond providing the plants themselves, the initiative focused heavily on training farmers in sustainable, eco-friendly practices. By mastering these techniques, the 227 participating farmers are now empowered to maintain a consistent supply of affordable resources and keep their land productive. This isn't just a seasonal project; it's a long-term commitment to a thriving, self-sufficient community where both the people and the land can flourish together.



227 Smallholder
Farmers



3500 Trees &
Plants



9 Species