



Ginger Value Chain

Nepal is the world's fifth-largest ginger producer, contributing 1.64% to its Agricultural GDP. Despite its significant potential for export and income generation, the sector faces challenges such as lack of modern Agro-Tech, rhizome rots disease, and issues in sorting, cleaning, and grading. Due to price fluctuations, there's vulnerability to changing trade scenarios. Inadequate storage and processing facilities, limited market access, and reliance on traditional methods for ginger production pose additional hurdles. The sector also grapples with limited trust between producers and buyers, heavy reliance on the Indian market, insufficient market research, and the absence of a common branding scheme for international promotion.

Background

As a pilot, Heifer International has supported Galda Social Entrepreneur's Women Cooperative in Palpa. The support includes:

- Production of dried ginger using solar drier by replacing fire curing method.
- Construction of ginger processing center with annual capacity of 500 MT fresh ginger
- Value Addition: Ginger Powder and Ginger Slice
- Branding and Marketing

Families Benefitted

272

Area Coverage

40 Ha of land

Marketing Data

| Particular | 2021 | 2022 |
|----------------------------------|-----------|-----------|
| Ginger Purchased by Cooperatives | 63,123 KG | 45,000 KG |
| Sun-dried Ginger Slice | 1,340 KG | 805 KG |
| Traditional Ginger Sutho | 1677 KG | - |

Organic Certification

The smallholder farmers' cooperatives have achieved a remarkable milestone by attaining organic certification for their ginger production. With organic certification in hand, these farmers now have a competitive edge in both local and international markets, where the demand for organic products is on the rise. This achievement not only enhances the economic prospects for the farmers but also opens lucrative opportunities for ginger exports in the global ginger market.

Women's Empowerment

By incorporating climate-smart practices, particularly in the drying process, it has revolutionized traditional methods reliant on firewood. This innovative approach not only addresses environmental concerns but also empowers women by reducing their dependence on arduous and time-consuming tasks associated with traditional practices.

Climate Change Mitigation/ Adaptation

The transition from traditional firewood-based drying methods to solar drying facilities in ginger production represents a crucial step in climate change mitigation and adaptation. This shift significantly reduces the carbon footprint associated with deforestation and the use of firewood, contributing to overall environmental sustainability.

Resilience

Solar technology enhances the resilience of ginger production against the impacts of climate change by providing a more reliable and consistent drying process. This dual approach not only mitigates environmental harm but also ensures the long-term viability and adaptability of the ginger value chain in the face of a changing climate.

Alignment with Sustainable Development Goals (SDGs)

The project aligns with 7 Sustainable Development Goals: No Poverty (1), Zero Hunger (2), Gender Equality (5), Affordable and Clean Energy (7), Industry, Innovation and Infrastructure (9), Responsible Consumption and Production (12), and Climate Action (13).



Farmers drying ginger in solar dryer



Newly built solar drying facility

