



Organization: World Neighbors

Location: Kisumu County, Nyanza Region, Kenya

Solution: Building climate resilience in Kenyan households by promoting and commercialising Locally Formulated Dairy Goat Meal (LOFODA-G-Meal)

Factsheet Period: First round of UNDP AFCIA funding (18 months)



Joe Ouko, a community member, feeding a dairy goat in Lofoda, Kenya - @World Neighbors

Nyakach has one of the highest levels of hunger and food insecurity in Kenya, where 29% of children living in rural areas suffer from impaired development due to malnutrition ([World Food Programme, 2024](#)). While maize remains an important staple food, its production is highly vulnerable to increased temperatures and more frequent droughts. The solution focuses on building community resilience to these impacts of climate change through the use of locally formulated dairy goat meal. Dairy goats are valuable sources of nutrition and income for smallholder farmers and are more resistant to drought. By promoting dairy goat farming and by producing meal sustainably, households are empowered to adapt to climate change and improve their food security. The solution also has a particular focus on supporting women to become goat farmers.



Key achievements

- Stage One certification for products successfully obtained from the Kenya Bureau of Standards, with the process for final product certification currently underway
- 1,510 households reached and positively impacted, with over 60% led by women
- 26 young people trained in the dairy goat value chain, with 50% now owning 1-2 goats each
- Community-Based Organization (CBO) established to support goat sales and sourcing, which will serve as a link to the Dairy Goats Association of Kenya
- 75% increase in sales of LOFODA-G-Meal product



Social impact

- Enhanced food and livelihood security during droughts
- Women are producing value-added products from surplus goat milk, leading to increased household income.
- Increased participation of women and young people in community development and public sessions
- Farmers and experts learning from each other to strengthen climate adaptation efforts



Funding snapshot

- UNDP-AFCIA grant: \$120,000 (initial grant: \$60,000; scaling grant: \$60,000- under implementation- data still unavailable)



Adaptation benefits

- Increased resilience through dairy-goat keeping as an alternative livelihood
- Use of locally-produced, inexpensive feed enhances livestock resilience to erratic rainfall and droughts
- Dairy goat farming reduces reliance on maize production, increasing community food security and income



Innovation

- Formulated new, environmentally sustainable goat feed
- Enabled scaling of goat farming, diversifying household income
- Fostered creation of small social enterprises for alternative livelihoods
- Transitioned feed formulation to powdered and pellet forms, helping to reduce transportation costs



Replication potential

- Cheaper, locally-sourced goat feed is accessible to more farmers
- Scalable goat farming model provides additional income and food security
- Concept applicable to poultry and fish feed formulation

Investability

Financial innovation

Revenue diversification: The initiative is assisting farmers in diversifying their income sources by facilitating the sale of value-added products, establishing loan linkages, and forming partnerships with potential investors.

Savings and investment: Clustered farmers are encouraged to save 10% of their annual bonuses, which will be reinvested to support the operations of the CBO. This strategy aims to enhance the company's creditworthiness, enabling future independent access to credit without dependence on grant funding.

Expected return

Expected \$12,000 in annual revenue generated from sale of feeds and dairy products

