Kenya

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 (17 months); Second round of UNDP AFCIA funding (22 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

- Obtained stage one certification for products from the Kenya Bureau of Standards
- Improved food and nutrition security reported by a total of 963 households as a result of dairy goat farming
- 1,510 households have started dairy goat farming as an alternative source of livelihood
- 293 adults have been trained on husbandry, value addition and entrepreneurship and are expected to further train other farmers in their clusters for wider outreach
- 1620 kg of LOFODA-G-Meal produced and sold, indicating strong uptake and production capacity
- 53 young people and women were employed in the LOFODA-G-Meal value chain supporting inclusive economic empowerment

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
- Community-Based Organization (CBO) established to support goat sales and sourcing, which will serve as a link to the Dairy Goats Association of Kenya





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

Funding snapshot

- UNDP-AFCIA grant: US$180,000 (initial grant: $60,000; scaling grant: $120,000)

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. Future growth is expected from training services and model licensing to scale adoption across Kenya and beyond. Savings and investment: This investment is projected to deliver positive operating cash flows by 2026, reducing reliance on external financing and strengthening long-term sustainability.
Expected return	Expected $12,000 in annual revenue generated from sale of feeds and dairy products

ADAPTATION FUND Climate Innovation Accelerator

ADAPTATION FUND

To read their story, visit UNDP-AFCIA

To watch their video, click here

To contact the initiative, visit World Neighbors