

Camel milk on the move

Impact evaluation of a cooling truck on the camel milk value chain of Anolei Women Cooperative in Isiolo County, Kenya



Background information

- ▶ In climate change affected regions of Kenya, camels can secure the livelihood of pastoralists.
- ▶ The Camel milk value chain from Isiolo to Eastleigh (Nairobi) has been established informally and needs improvement to secure high quality standards.
- ▶ Milk was transported to Eastleigh with public buses until October 2017 and is since carried in a cooling truck, partly sponsored by *Vétérinaires Sans Frontières* (VSF) Suisse and partly self-financed.

Objectives

- ▶ Assess the social, financial and economic impact of the cooling truck for Anolei Women Cooperative and the individual members, respectively.
- ▶ Comparison of the situation with and without cooling truck.

Tools

- ▶ Value Chain Analysis
- ▶ Cost-Benefit Analysis
- ▶ Partial Budget Analysis

Data collection

- ▶ Surveys
- ▶ Focus group discussions
- ▶ Expert interviews



Milking in the bush, Isiolo county



Transporting the milk from the bush to Anolei Cooperative



Bulking the milk at Anolei Cooperative, Isiolo town



Transporting the milk from Isiolo to Eastleigh



Selling the milk in Eastleigh

Main results

Value Chain Analysis

- ▶ less losses through theft
- ▶ less spoilage of milk
- ▶ milk arrives before other providers at Eastleigh market
- ▶ pick up and drop off point at cooperative reduces work load for women

Cost-Benefit Analysis

1. Basic scenario: BCR 0.8
(without financial support by VSF Suisse)
2. Actual scenario: BCR 0.9
(with financial support by VSF Suisse)

For a positive CBA (1.), benefits have to be increased: +27%

Partial Budget Analysis

- ▶ slightly negative impact on individuals' budget but added income was not monetarised
 - ▶ According to Anolei Cooperative members, additional benefits outweigh additional costs

Recommendations

- ▶ Even though the cooling truck only changes one link of the value chain, it facilitates the work of the Anolei Cooperative members (VCA). However, the profitability of the truck (CBA, PBA) can be improved by increasing earnings via:
- ▶ **Transporting 24% more milk** than now (Ø) at a cost of 100 KES per 20l to avoid losses. Additional milk can be from Anolei Women Cooperative, other cooperatives or other non-members (in the case of no membership: price should be raised).
- ▶ **Increasing transportation fees** from 100 KES per 20l to 127 KES per 20l will result in a positive CBA.



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