<table>
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<th>Institute</th>
<th>Dairy Research Institute</th>
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<td>Center(s)</td>
<td>KALRO Naivasha</td>
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<tr>
<td>Principal Investigator</td>
<td>Joseph N. Kiura;</td>
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<td>Other investigators</td>
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**Problem Statement**

Dairy goats rearing is on the increase in Kenya, and the demand for goat milk for both household and the market is on the increase. However, milk productivity of dairy goats is low. The available basal feeds require supplementation with both energy and protein to sustain high lactation performance in dairy goats. Supplementation strategies for dairy goats are not available and most farmers use guidelines from dairy cows. Clear supplementation strategies for energy and protein to increase milk yield from goats are needed.

**Objective(s)**

1. To determine the types and levels of basal and supplementary feed resources offered to lactating dairy goats by farmers.
2. To determine the optimal inclusion level of an energy and protein supplement for lactating dairy goats fed a locally available basal feed.
3. To determine the effects of different levels of an energy and protein supplement on gross margins.

**Planned Activities**

1. An assessment of feeds, feeding and milk yield of dairy goats
2. Determining the effects of a concentrate supplement to lactating dairy goats on feed intake and milk yield
3. Determining the effects of an energy and protein supplement fed to lactating dairy goats on gross margins.

**Outputs**

1. Types of feed resources offered to dairy goats in Kenya documented.
2. Energy and protein levels for lactating dairy goats using locally available feeds recommended
3. Results published in Peer reviewed Journals and in Conference proceedings.

**Outcomes**

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**Budget**

800,000.00

**Start date**

2015-01-01

**End date**

2019-12-31

**Funded by**

EAAPP;

**Collaborators**

A.Y. Guliye; P.K.Migwi; J.O.Ondiek; UoE;