



FEED THE FUTURE INNOVATION LAB FOR LIVESTOCK SYSTEMS EQUIP—STRENGTHENING SMALLHOLDER LIVESTOCK SYSTEMS FOR THE FUTURE Component I of Feed subproject

Creating an Inventory of Feed Resources Through a Landscape Analysis

Limited quality and quantity of feed is an important constraint to the livestock sector in developing countries. Alleviating this problem requires a systematic understanding of the existing feed resources, their limitations, challenges and opportunities for improvement. This project uses a landscape analysis to gain a detailed understanding of the quantities, qualities, locations, seasonal distribution, prices and accessibility of feed resources as well as constraints and opportunities in the feed value chains in Ethiopia and Burkina Faso.

Research Objectives and Activities



- To review and synthesize information from secondary data sources on the quantity and nutritional value of feeds
- To assess and map fodder, compound feed and by-product availability, variability, quality and prices
- To assess nutritional profile and cost per unit of nutrient in feeds
- To calculate feed balance and compile feed databases

To achieve these objectives, researchers will employ a four-step process of overlapping activities. During the first activity, they will gather and synthesize information about the types, nutritional value, availability and prices of feeds in the local context of Ethiopia and Burkina Faso through a literature review. Secondly, researchers will map fodder, compound feed and by-products use in each country. Thirdly, they will assess the nutritional values and costs of different feeds. Subsequently, they will create a feed database and related feed maps. Finally, recommendations for research strategies to promote the efficient use of feed will be developed.

Anticipated Results and Deliverables

- A comprehensive feed database and feed composition tables that will provide much needed information for policy makers, academics, private sector, and research, development and extension personnel
- Feed demand and supply maps, and briefs highlighting constraints and opportunities in the feed value chain

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Research locations:

- Ethiopia
- Burkina Faso

Implementing Partners:

- Hawassa University
- Ethiopian Institute of Agricultural Research (EIAR)
- ACDI/VOCA, Ethiopia
- International Livestock Research Institute (ILRI)
- Ethiopian Agricultural Transformation Agency (ATA)
- Institute for the Environment and Agricultural Research (INERA), Burkina Faso
- University of Florida

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