



FEED THE FUTURE

The U.S. Government's Global Hunger & Food Security Initiative

Inventory of Feed Resources in Ethiopia through Landscape Analysis

A dugna Tolera

Hawassa University



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OVERALL OBJECTIVE

- To document the quantities, nutritional quality, prices, availability and accessibility of feeds that can be used to increase livestock productivity



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QUESTIONS?

- What is the quantity and quality of feed resources available in Ethiopia?
- How is the seasonal and spatial distribution of the available feed resources?
- What is the status of different agro-ecological zones and the entire country in terms of feed and nutrient balance?



RESEARCH ACTIVITIES

- Review and synthesis of information from secondary sources on quantity and nutritional value of feeds
- Assessing and mapping of feed resources types, availability, seasonal and spatial distribution and prices
- Assessment of nutritional profile and prices of feeds to derive cost per unit of nutrient
- Calculation of feed balance and compilation of feed database



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ACTIVITIES PLANNED FOR THE YEAR

- Review of information from secondary sources on feed resources availability and nutritional quality
- Screening of MSc and PhD students
- Developing survey questionnaires and data collection formats
- Identification of target study areas
- Commencing inventory and mapping of feed resources types, availability, seasonal and spatial distribution and prices





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Activities accomplished during the year



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Review and synthesis of information from secondary sources on quantity and nutritional value of feeds

- Desk review of pertinent information on feed resources availability, quantity and quality has started and is still in progress.
- Materials being reviewed include existing published and unpublished literature, workshop and conference proceedings, technical reports





Assessing and mapping of feed resources availability, variability and prices

- Existing knowledge on feed resources availability, seasonal variability and quality have been reviewed to identify gaps to be filled by the survey
- Survey questionnaires and data collection formats developed
- Two MSc students have been recruited and one PhD student is being recruited to assist in the data collection



Assessment of nutritional profile and cost per unit of nutrients

- Nutritional value of feeds for key nutritional components (CP, IVOMD, EE, NDF, ADF, ME, DM, Ca & P) is being collated
- The data will eventually contribute to development of feed composition table and can be integrated with price information to give relative cost of key ingredients, relevant for least cost ration formulation



OUTPUTS

- Desk review of secondary information provided relevant information on types, availability and quantity of feed resources
- The coverage of previous assessments and missing gaps have also been identified. This will help to guide and improve the focus of the survey work to be conducted soon.



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CHALLENGE

- Delay in financial transfer due to delay in finalizing collaboration agreements between University of Florida and Hawassa University and partly due to not properly understanding each other's systems.





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FUTURE PLANS

- Complete review and synthesis of secondary information
- Finalize details of the survey plan and draw map of the survey routes
- Complete recruitment of graduate students and recruit enumerators for the survey
- Train the graduate students and enumerators on data collection tools and procedures
- Conduct assessment and mapping of feed resources availability, variability and prices
- Sampling and analysis of feeds
- Complete assessment of nutritional profile of feed resources and integrate information on feed price to derive cost per unit of nutrient
- Calculate feed balance and compile feed database



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Revised Timeline and Milestones (Shaded cells denote periods of project activities)

Year	1				2				3				4			
Quarter	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Activity 1: Review and synthesis of secondary data sources																
Review of feed databases and existing literature	■	■	■	■	■	■	■									
Synthesis of information and identification of gaps						■	■	■								
Activity 2: Assessment and mapping of feed resources availability																
Identification of sites and preparing survey tools	■	■			■											
Feeds and by-product analysis					■	■	■	■	■	■	■	■				
Data analysis and produce feed availability and distribution maps								■	■	■	■					
Activity 3: Assessing nutritional profile of feeds																
Assess the nutritional value of feeds						■	■	■	■	■	■	■				
Activity 4: Calculation of feed balance and compilation of ET feed database																
Calculation of feed balance										■	■					
Synthesize results, produce report and compilation of feed database											■	■	■	■		





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Thank you!



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