

Ilivestockmgr Decision Support System

Codesamurai

Members:

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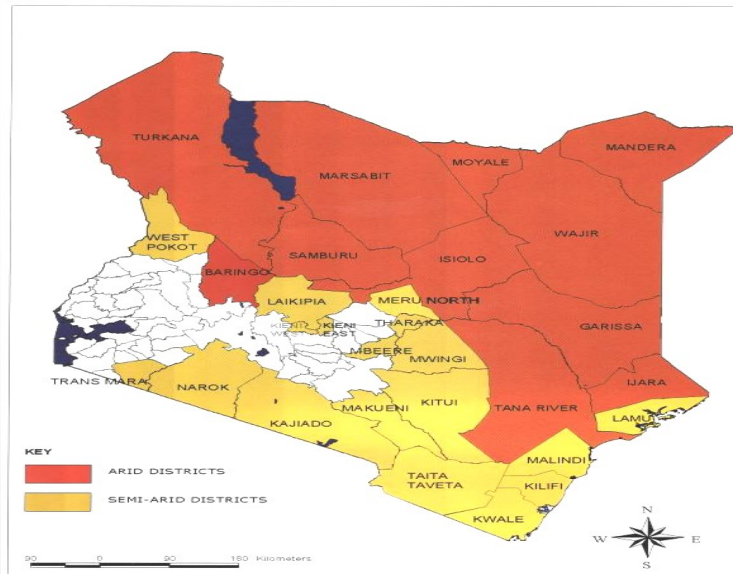
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Introduction

The arid and semi-arid lands comprise of over 80% of the country's land mass. Most of these regions in Kenya are heavily degraded due to various factors including bush encroachment, inappropriate land use, droughts, and increase in unpalatable species among others.



Problem statement..

Various interventions have been tested to reverse this trend. Key among them is reseeded and pasture improvement which is an option to increase the productivity of land to provide adequate feed for livestock, But many of which have not been implemented, hence many of pastoral communities still face challenges among them

1. Border conflict(Tanzania vs Kenya recent)
2. Insecurity
3. Animal deaths due to drought and insufficient pasture

Objective

- Pull data from kalro endpoint
- Represent the data in table
- Visualize and present spartial data
- Implement decision support system

Solution

Using 2 datasets from kalro research, Irrigated forage production and Effect of Supplementing Rhodes Grass Hay with Cotton Seedcake on Growth Performance of the Small East African Zebu Weaners in South Eastern Kenya datasets, development of a decision support system for analyzing of the importance of implementation of irrigation for animals farming.

Solution Cont...

A large scale utilization of the 80% of our arid land through irrigation can mitigate many challenges faced by the farmers in country today. Through the data ,several perennial species of pasture that are drought tolerant, grazing tolerant, have high nutritive value and are persistent have been proposed but there impact is yet to to be felt by pastoral farmers.

Target Users

National Irrigation Board (NIB)

Ministry of agriculture, livestock and fisheries.

Ministry of agriculture in county governments.

Individual farmers or Group.

Long Term Impact

- According to NIB: The Government has embarked on the actualization of the one million acre irrigation project called the Galana- Kulalu Food Security Project in Tana River and Kilifi Counties. The current total acreage of area under irrigation in the country is four hundred and twenty five thousand (425,000 acres).
- This is only focused on human food and animals are not being considered ,Using this system will show the importance and the impact of taking care of the animals.
- Enough production of rich nutritive food for animals
- Utilization of vast arid and semi arid land

Screen Shot

ILIVESTOCKMGR



DASHBOARD



IRRIGATED FORAGE



ZEBU WEANERS



FOOD SECURITY

Food Security

Local Innovation


For food security and livelihood


Name	Location	Contact Person
Mukunike water springs	Mukunike	Dominic Mutiso
Imara S.H.G	Wendano	Damaris
New Uka Wone	mukunike	Joseph
Bethsaida S.G.H	Mbagathi	Mburu
Fourteen falls S.H.G	Kisiiki	Elizabeth


Screen Shot


ILIVESTOCKMGR


Dashboard


 DASHBOARD


 IRRIGATED FORAGE

 ZEBU WEANERS

 FOOD SECURITY

 Contact Persons
20

 DT Species
5

 Feed Diet
3