

Ethio-Feed PLC



Presentation on: **INNOVATIVE ANIMAL FEED SOLUTIONS**

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PENHA: Dryland restoration and dry forest management

“Sharing knowledge to meet local needs and national commitments” A national workshop

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“INNOVATIVE MINDS don’t do so many things, rather they do things differently”

The Driving force/factors

- **LOW PRODUCTION AND PRODUCTIVITY OF LIVESTOCK**
- **HUGE LIVESTOCK DEATH DUE TO DROUGHT** in particular the breeding stock
- **POOR PERFORMANCE OF DRAFT OXEN POWER**
- **OVER BURDEN OF EQUINE ANIMALS (ie horses and donkeys)**



Objective

- Produce and market **innovative feed products** by **converting agro-Industrial by products, natural resources such as Moringa moringa, Prosopis juliflora, cactus etc** to affordable **quality feed using innovative models and approaches**
- Enhance local capacity and **creating jobs** for the youth;
- contribute to **the green economy** in environmentally friendly manner by **piloting new partnership and business models.**

Products



□ For different animals:

□ **Dairy**, **Fattening**, **sheep** and **goats**, **camels** and **poultry**

Different products in the form of:

□ **Activated Total Mixed Ration (A-TMR)**

□ **Activated Concentrate (A-C)**

□ **Activated Multi-Nutrient Block (A-MNB)**

□ **Mineral Block/lick (high mineral, high energy and high protein blocks)**

□ **Mixed Ingredients containing 50-60% of the major ingredients**

□ **Activated Bokashi/ starter feed “ Ersho”**

What makes Ethio-feed INNOVATIVE ? (7 Innovative approaches)

1. **Production of total mixed ration (TMR)** by mixing **Roughage with Concentrate** and activate with effective micro-organism (EM) in **loose or block form**.



2. Use of organic and environmentally friendly **Effective Micro-organism (EM) bio-technology**



3. **converting** locally available but wasted or **poorly utilized agro-bi-products** and **resources** into **quality and affordable** animal feed.



4.0 Production **hi-quality Mineral blocks/licks**



5. Pilot new partnership “Franchisee” business models

No	Location	Commodity	Business model
1	Wonji	Cane tops, bagasse and molasses	Youth group
2	Ano-Bako	Maize rain, maize rain, stalk, cobs and teff straw	PLC
3	Dano Woreda	Maize grain, stalk, cobs and teff straw, Nug cake	Youth group supported by MfM, NGO
4	Mehoni	Cactus, sorghum stalk and teff straw	Coop. Union

6. Organize and provide **practical training** and **visits** in “Innovative Feed Solutions” model and approach

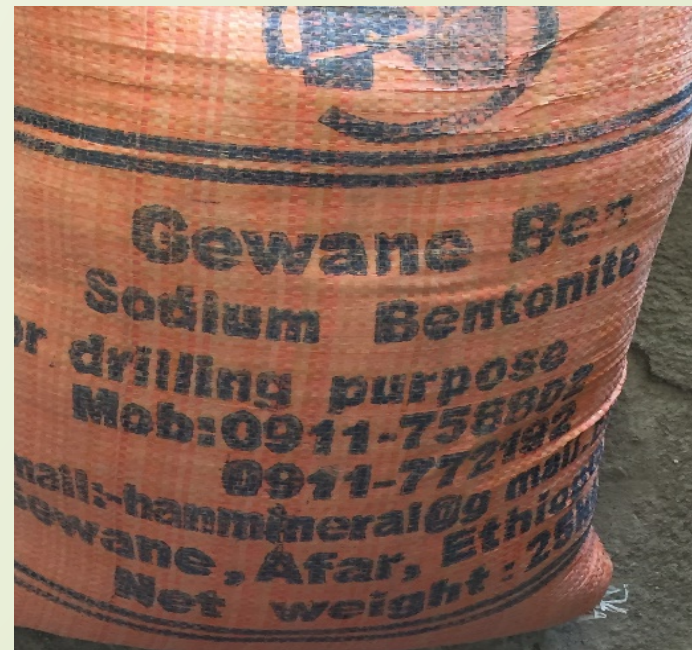


7. Use of Sodium Bentonite

Use of **Sodium Bentonite** in all our feeds products as **Aflatoxin Binder**

Tripartite animal research trial between ILRI, Haramaya University and Ethio-Feed Plc was aborted prematurely due to COVID 19 Pandemic.

The focus was to check effectivity of Bentonite as Aflatoxin binder in cows and if so, at what level?



Ethio-Feed Products



Ethio-Feed Production Site



Prosopis control by utilization

The **Ethio-Feed PLC** and **VSF Suisse** Experience

- ❑ **Ethio-Feed PLC experience: Use of Prosopis pods as source of CP 15-20% in ruminant livestock diet**
- ❑ **VSF Suisse pilot in Gode: use of Prosopis branches with leaves and pods as major protein and roughage source (ie 40-50%)in ruminant diet:**



Recommendations

With Appropriate:

- **protective cloths (ie strong gloves that can protect hands from the thorns, cloths and cutting equipment),**
- **machinery (ie chopper, miller, mixer and pelletizer) and**
- **Committed human and financial resources (ie institutional or individual)“PRO-BANK” can be realized to:**
 - i) **produce affordable quality livestock feed,**
 - ii) **improve the prime rangeland and irrigated areas**
 - iii) **improve production and productivity of ruminant livestock, and**
 - iv) **improved food and income of pastoral and ago-pastoral communities**