

Dual-purpose Millet Varieties for Crop and Livestock Integration

Harvest More, Feed Better, Farm Smarter

"Dual-purpose Varieties for Crop and Livestock Integration" involves developing millet and sorghum varieties for both human food and animal fodder in African drylar challenges like overgrazing and soil degradation worsened by increasing livestock populations.





- Growing livestock population exacerbating the demand for animal feed resources.
- Traditional millet and sorghum varieties unable to meet the dual requirements of human food and high-quality animal feed.
- · Common millet and sorghum lines have higher lignin content, making them less digestible.

Solution

- Reduced lignin and tannin content for enhanced digestibility and palatability
- Greater fodder availability, especially during the dry season
- Increased manure availability for soil fertility management
- Sweet stover with high sugar concentration (around 15%)
- Suitable for syrup or bioethanol production

Key points to design your project

- To integrate this technology, awareness campaigns, investment frameworks, capacity building, and financial support are essential.
- Collaboration with seed companies, cooperatives, growers, and farmers is crucial for successful implementation.



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Technology from		
ProPAS		
Commodities		
Sorghum/Millet		
Sustainable Development Goals		
Sustainable Development Goal 1: no_poverty	Sustainable Development Goal 2: zero hunger	Sustainable Development Goal 13: clime
Sustainable Development Goal 15: life on land		
Categories		
Production, Improved varieties, Quality improvement		
Best used with		
<u>Proactive Management of Striga Infestation ></u>		
 <u>Precision Fertilizer Micro-Dosing for Millet and Sorghum</u> <u>Motorized Crop Residue Processing for Animal Feed ></u> 	<u>n Yield Enhancement ></u>	
Tested/adopted in		
Tested & adopted		
Aaoptea Tested		

Tested

Target groups Farmers

Where it can be used

This technology can be used in the colored agro-ecological zones.

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