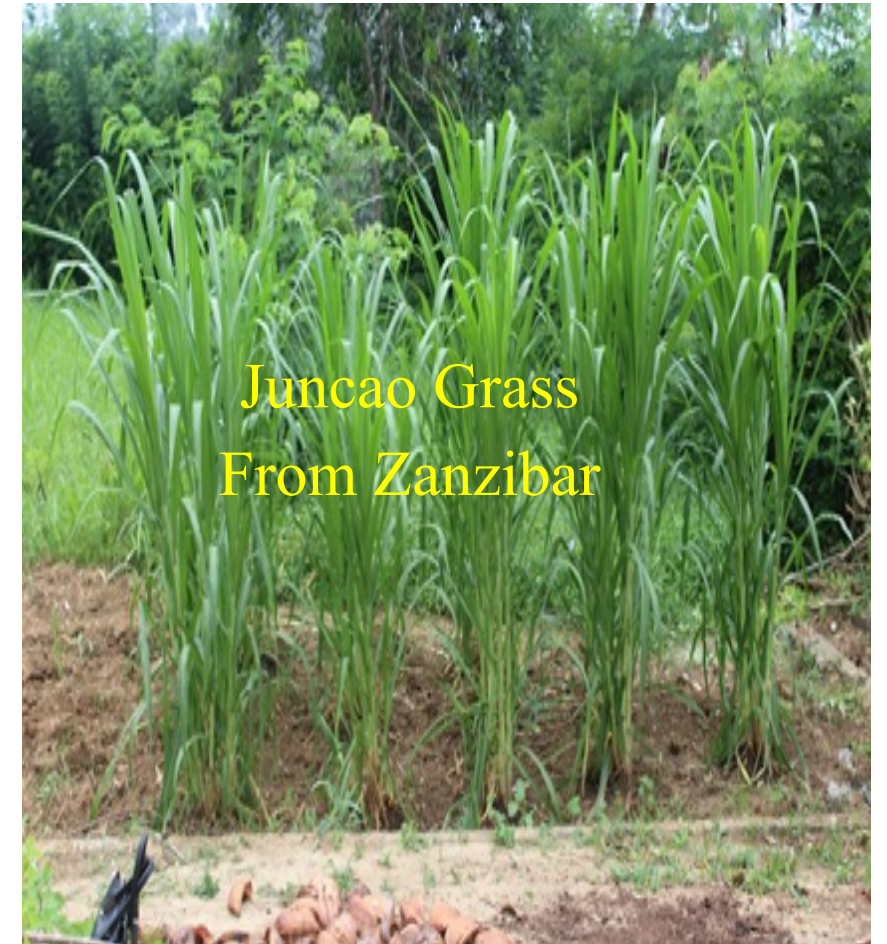


POTENTIAL OF ZANZIBAR FOR THE PRODUCTION & CONSUMPTION OF MUSHROOMS & JUNCAO GRASS



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Presentation Outline

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i. Shortage of livestock forages

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Introduction to Zanzibar



- Zanzibar is a semi-autonomous part of the United Republic of Tanzania;
- Located between $5.03-6.13^{\circ}\text{S}$ and $39.36 - 39.77^{\circ}\text{E}$;
 - 25-50 Km off the coast of the Tanzania mainland;
- The projected population for the year 2019 is 1,625,589;
- The population density was 530 people/sq.km (National Bureau of Statistics - Zanzibar 2012).

Agriculture Sector



- Agriculture is an important economic sector of Zanzibar's economy in terms of food production and income generation;
- The agricultural sector in general; contributes about 26.9% of GDP (NSCA 2021);
- The livestock contribution to Zanzibar's GDP is 7.1% (NSCA 2021);
- Livestock also contributes to crop production by providing draft animals and fertilizer (manure).
- 70% of population direct/indirect employed in agricultural sector

Tourism Sector



- The sector is convincing private investors due to its attractive beaches and hospitality of its people;
- Currently, the sector contributes 28% of Zanzibar's GDP;
- The capacity to accommodate tourists has also increased;
- Have a 683 classic hotels have been constructed, capable of accommodating good number of tourists; (About 538, 264 tourists in 2019 and 264,644 in 2020).

Potential of Juncao Grass

I. Shortage of Livestock fodder :



Most used natural grass to fed ruminant animals(local & exotic)
Tethering method used
Few dominated exotic grass
Lack of conservation grass.
Shortage of lands (Conflicts).



Potential of Juncao grass

ii. Ecological Challenges:

Degraded area (Sand & Stone Mining)

Sea water intrusion in Agriculture field

Deforestation and Coral area

Soil erosion



Hii ni hali halisi ya uharibifu wa mazingira inayoonekana katika maeneo ya machimbo ya Uwandani ambapo baadhi ya miti ya kudumu kama mibuyu, mivumo na miti ya misitu imeanza kutoweka kutokana na uchimbaji usiofuata taratibu za kisheria.



Potential of Mushroom production



Unemployment
Food insecurity
Poverty
Malnutrition



Current Status Mushroom Production in Zanzibar

- Wild mushroom is consumed by old people in Zanzibar;
- However some species are poisonous;
- Mushroom production is a niche profession in Zanzibar;
- In 1990's commercial mushroom production started in Zanzibar;
- There are very few farmers growing mushroom;
 - i. School of Agriculture – Kizimbani
 - ii. Bi Neema Mlingi – Fuoni Kibondeni
 - iii. European farmer - Kitongani



Current status mushroom consumption



High demand of the product in touristic hotels;
Current production of only 900kgs per month;
Oyster mushroom is mainly produced in Zanzibar
The mushroom is sold at 20,000 Tsh per kilogram

About 95% of the mushroom is consumed in the
tourism hotels;

Large amount of mushroom are imported.



Conclusion

Juncao technology surely will contribute in minimizing existing Socio – Economic and Environment problems in Zanzibar towards achievement of sustainable Agriculture and Sustainable Development Goals.

Thank you for your Attention

