




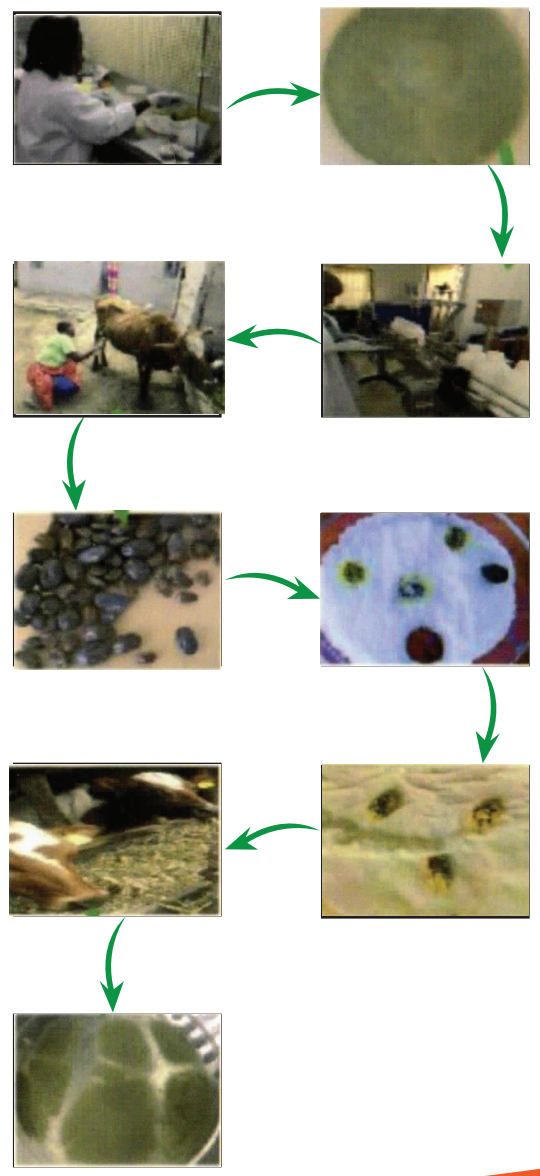


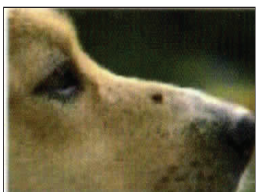
Vectors/ Mdudu	Ticks	Budbugs	Mites	Mosquitoes	Tsetseflies
					
Disease/ Magonjwa	<ul style="list-style-type: none"> <li>- East Coast</li> <li>- Fever</li> <li>- Babesiosis</li> <li>- Anaplasmosis</li> <li>- Rickettsia</li> <li>- Lyme</li> </ul>	<ul style="list-style-type: none"> <li>-Itching and</li> <li>-loss of sleep</li> <li>-itching</li> </ul>	<ul style="list-style-type: none"> <li>-Typhus</li> <li>-Rickettsia</li> <li>-Itching</li> </ul>	<ul style="list-style-type: none"> <li>- Zika virus,</li> <li>-Chikungunya</li> <li>-Dengue, and</li> <li>-Itching</li> </ul>	<ul style="list-style-type: none"> <li>-Nagana</li> <li>-Sleeping</li> <li>-Sickness</li> <li>-Chagas disease</li> <li>-Itching</li> </ul>
Impacts/ Athari	<ul style="list-style-type: none"> <li>- Human</li> <li>- Wildlife</li> <li>- Livestock</li> </ul>	<ul style="list-style-type: none"> <li>-Human</li> <li>-Livestock</li> </ul>	<ul style="list-style-type: none"> <li>-Human</li> <li>-Livestock</li> </ul>	<ul style="list-style-type: none"> <li>-Human</li> <li>-Wildlife</li> <li>-Livestock</li> </ul>	<ul style="list-style-type: none"> <li>-Human</li> <li>-Wildlife</li> <li>-Livestock</li> </ul>

MODE OF ACTION / INAVYOFANYA KAZI



Inadhibiti:

- ✓ Kupe
- ✓ Utitiri
- ✓ Mbung'o
- ✓ Mchwa
- ✓ Mbu
- ✓ Kunguni
- ✓ Viroboto



## Information for users

Vector Biocide is formulated from fungal isolate (*Aspergillus oryzae*) fermentation for control of ticks, bedbugs, and mosquitoes.

## Application

- ▶ Shake well before opening
- ▶ Take 5 mls at biocide per 1l at water
- ▶ Mix through, and put in sprayer pump
- ▶ Spray in animal body, objects, house, or in stagnant water eg. toilet, pond, any other vector breeding places.

## Storage

- Store in cool and dry place or temperature below than 35°C
- Keep away from the sun and out of reach of children

## PUBLICATIONS RELATED TO VB LIQUID

Msangi, S. S., Zekeya, N., Kimaro, E. G., Kusiluka, L., & Shirima, G. (2022). Entomopathogenic fungi (*Aspergillus oryzae*) as biological control agent of cattle ticks in Tanzania. *Journal of Veterinary Medicine and Animal Health*, 14(3), 52-61.

Zekeya N., Ndossi H., & Mbega, E (2020). Susceptibility of different species of Ticks (Acari: Ixodidae) to an entomopathogenic fungus in Tanzania. *Journal of Animal Science and Research*, dx.doi.org/10.16966/2576-6457.13

Ujazo / Volume	Bei/Price(Tsh)
100 mls	- 3,000/-
250 mls	- 7,000/-
500 mls	- 13,000/-



## Maelekezo kwa watumiaji

Imetengenezwa kwa vimelea hai vya fangasi (*Aspergillus oryzae*) kwa ajili ya kudhibiti kupe, kunguni na mbu.

## Matumizi

- ▶ Tingisha vizuri chupa kabla ya kufungua,
- ▶ Pima ml 5 za uadudu changanya na lita 1 ya maji, changanya vizuri;
- ▶ Kisha weka kwenye pamp nyunyiza katika mnyama, vitu, nyumba, choo, madimbwi, maji yaliyotwama na sehemu za mazalia ya wadudu

## Kuhifadhi

- Hifadhi sehemu kavu yenye nyuzi joto zisiyozidi 35°C kwa matokeo mazuri zaidi
- Weka mbali na jua na mbali na watoto

**Ni salama kwa viumbe wasiokusudiwa**

**No harm to human and untargeted organism**

DR. NEVER MWAMBELA ZEKEYA  
College of African Wildlife Management - Mwaka  
P. O. Box 3031, Shirimatunda, Moshi - Tanzania  
Email: mweka@mwekawildlife.ac.tz  
never.zekeya@mwekawildlife.ac.tz  
nmwambela@yahoo.com  
Phone: +255 783 877 117/+255 759 882 222

# VB

# KIUA WADUDU WAENEZAO MAGONJWA



**Effective**  
**Affordable**  
**Accessible**  
**Organic & Safe**