

## **Treat Mange Now!**

### **The New Way**

Mange is a major killer of goats in dry areas such as Tharaka and mbeere Districts, but it can now be treated easily.



Kimbeere (Uvere)

Kitharaka (Munguru)

### **CAUSE AND SYMPTOMS**

Small mites that burrow in the skin, causina:

- \* Severe itching
- \* Loss of hair
- \* Scabby skin
- \* Emaciation and death

### **You lose because**

- \* You cannot sell skin from an infected goat.
- \* Infected meat is rarely eaten.
- \* The disease spreads fast and can wipe out the whole flock.

### **TREATMENTS**

#### **1. Usual mange drugs**

- \* Injectable Ivomectin
- \* Tick control chemicals

#### **2. New treatment method**

Use crude castor seed oil (do not use refined castor oil) mixed with tamarind fruit solution, at 1 tin (2 kg) of castor seed oil to 112 tin (1 kg) of tamarind solution.

## MIXTURE PREPARATION

### a) Castor seeds

- Roast the castor seeds on a pan until they start popping up and turning dark
- Pound the roasted seeds in a mortar or use a grinding stone.
- Put them in a cooking pot.
- Add water to cover the pounded material.
- Heat the mixture over fire until oil shows on the surface
- Remove the mixture from the fire and leave it to cool.



### b) Tamarind fruit

- Soak the fruit in water in a bucket
- Stir it to make a thick paste
- Remove the seed and residues from the paste

## APPLYING

- Mix the castor oil with the tamarind paste
- Use a hand brush to scrub the mixture onto the animal's body
- Apply this once every week for 4 weeks.





## **BENEFITS**

- Very effective
- You will save more than half the usual conventional cost
- Castor seeds and tamarind are available in Mbeere, Tharaka District and other ASAL districts.



The same goat after treatment

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