

**Prevalence, Etiology and Risk Factors of Mastitis in Dairy Cattle in Embu and Kajiado  
Counties, Kenya**

**FARMS SURVEY QUESTIONNAIRE FOR DAIRY FARMERS**

To be filled once for each farm

<b>Demographic information</b>	
Farm no	
Name of the respondent	
Gender	
Telephone Number of respondent	
Age	
Date of the interview	
County	
Sub –County	
Division	
Location	
Village	
GPS coordinates	
Agro-ecological zone (AEZ)	

**Farm Background**

1. Who manages the farm?

- A) Owner      B) Relative      C) Employee

2. What is your level of education?

- A) Informal \_\_ B) Primary\_\_ C) Secondary \_\_\_\_\_ D) University \_\_\_\_\_

3. For how long have you been keeping dairy cattle

- A) <1 year \_\_\_\_\_ b)>1 year and <5 years \_\_\_\_\_ c) >5 year \_\_\_\_\_

4. Production system

- A) Intensive \_\_ B) Semi intensive\_\_\_\_ C) Extensive\_\_\_\_\_

5. How many dairy cows do you have? \_\_\_\_\_

6. What cattle breed do you keep a) Local \_\_\_\_\_ b) Exotic\_\_\_\_ c) Crosses\_\_\_\_

7. Do you keep records? Yes \_\_\_\_\_ No\_\_\_\_\_

If yes specify a) Production\_\_\_\_ b) Breeding\_\_\_\_ C) others (specify)

8. Any given to the cows' supplements? a) No \_\_\_\_ b) Yes \_\_\_\_
9. Are the cattle housed with a roof? A) No \_\_\_\_ B) Yes \_\_\_\_
10. If housed, what is the nature of the floor where the milking cows lie down? A) Concrete \_\_\_\_ B) Earthen \_\_\_\_
11. Presence of Bedding Yes \_\_\_\_ No \_\_\_\_
12. How often is the floor cleaned?  
A. Daily \_\_\_\_ B) Weekly \_\_\_\_ C) Monthly \_\_\_\_ D) Others (specify) \_\_\_\_

### **Mastitis and control practices**

1. Have you ever experience cases of mastitis in the farm? 1)Yes \_\_ 2) No \_\_\_\_
2. Do you milk mastitic cows last? 1)Yes 2) No
3. Is the cow milked using proper technique (observe)? 1) Yes 2) No
4. Do you wash hands before milking the cows? 1)Yes \_\_\_\_ 2) No \_\_\_\_
5. a) Do you wash the udder pre-milking? 1)Yes 2) No  
b) Is the udder dried before milking with clean cloth/towel/paper? 1)Yes 2) No  
c) Is a different clean drying cloth/towel/paper used for each milking cow? 1) Yes \_\_ 2) No \_\_\_\_  
d) if you have > 1 milking cow, do you wash your hands between milking cows? Yes \_\_ No \_
6. Do you use a teat dip post milking? 1) Yes \_\_\_\_ 2) No \_\_\_\_
7. Do you practice dry cow therapy? 1) Yes \_\_ 2) No \_\_\_\_
8. Do you cull chronically infected cows? 1) Yes \_\_\_\_ 2) No \_\_\_\_
9. Who treats your animals?  
a) Vet Surgeon b) Animal Health Assistant c) Self d) Others (specify)
10. Do they perform any test to confirm mastitis?  
a) CMT b) Alcohol test c) Culture d) Other (specify)
11. For how long did mastitis during the last case take to resolve (in general)?  
a) One week  
b) Above one week  
c) Never resolved

**Cow characteristics details**

Cow ID	Breed	Parity	Milk production per day in L	Stage of lactation (1-2)Early (3-6) mid (>7)late	History of mastitis(yes/No)	CMT results for each quarter
Cow 1						FR HR FL HL
Cow 2						FR HR FL HL