

Supplementary File

Title: Prevalence and Associated Factors of Bovine Mastitis on Small Holder Dairy Farms in and Around Arsi Negele, West Arsi Zone, Oromia Region, Ethiopia

Farm Management and Risk Factor Assessment

Introduction

This document was used during farm visits to collect information on potential risk factors associated with bovine mastitis. Data were obtained through informal interviews and on-site observation of smallholder dairy farms in and around Arsi Negele, Ethiopia.

Section A: Farm Information

1. Location of the farm (urban / peri-urban / rural)
2. Number of lactating cows currently in the farm
3. Type of production system (intensive / semi-intensive / extensive)
4. Type of housing (separate barn / shared housing / open yard)
5. Frequency of barn cleaning (daily / every 2–3 days / weekly / rarely)

Section B: Cow-Level Information

6. Age of the cow (years)
7. Parity number
8. Stage of lactation (early / mid / late)
9. History of mastitis in the current or previous lactations (yes / no)

Section C: Milking Practices

10. Type of milking (hand milking / machine milking)
11. Number of milking per day
12. Udder washing before milking (yes / no)
13. Use of soap or disinfectant for udder washing (yes / no)
14. Use of common towel for multiple cows (yes / no)
15. Post-milking teat dipping practiced (yes / no)

Section D: Hygiene Assessment (Observed by Investigators)

16. Hygienic condition of the farm (good / medium / poor)
17. Hygienic condition of udder (slightly dirty / moderately dirty / dirty)
18. Hygienic condition of hind legs (slightly dirty / moderately dirty / dirty)

Section E: Veterinary Care

19. Access to veterinary services (yes / no)
20. Mastitis treatment previously given by veterinarian (yes / no)
21. Awareness of subclinical mastitis (yes / no)

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Data Recording Format