

Table S1. Descriptive analysis of farmer's perception towards mastitis and treatment strategies for clinical mastitis

| Variables | Categories | Frequency (%) |
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| What do you think about CM? (n ¹ =30) | Unhygienic condition causes mastitis | 9 (30) |
| | Milking fault causes mastitis | 9 (30) |
| | Management fault causes mastitis | 3 (10) |
| | This is a bacterial infection | 3 (10) |
| | This results in udder swelling | 2 (6.7) |
| | This is a water borne infection | 1 (3.3) |
| | High yielding cows are repeatedly affected | 1 (3.3) |
| | This results in milk color change | 1 (3.3) |
| | Mysterious thing | 1 (3.3) |
| What are the commonly used antibiotics? (n ¹ =91) | Gentamycin | 20 (22.0) |
| | Ceftriaxone | 17 (18.7) |
| | Amoxycillin | 11 (12.1) |
| | Colistin | 6 (6.6) |
| | Kanamycin | 5 (5.5) |
| | Neomycin | 5 (5.5) |
| | Ciprofloxacin | 4 (4.4) |
| | Oxy-tetracycline | 4 (4.4) |
| | Streptomycin-Penicillin | 4 (4.4) |
| | Ampicillin | 3 (3.3) |
| | Amoxicillin-Cloxacillin | 2 (2.2) |
| | Gentamycin intra-mammary tube | 2 (2.2) |
| | Penicillin | 2 (2.2) |
| | Sulfamethoxazole-trimethoprim | 2 (2.2) |
| | Ampicillin-Gentamycin | 1 (1.1) |
| | Ceftiofur | 1 (1.1) |
| | Marbofloxacin | 1 (1.1) |
| | Sulfadimidine-Trimethoprim | 1 (1.1) |
| What are the supporting drugs used? (n ¹ =28) | Probiotics | 15 (53.6) |
| | No supportive drugs | 7 (25.0) |
| | NSAID | 2 (7.1) |
| | Homeopathic | 1 (3.6) |
| | Antihistamines | 1 (3.6) |
| | Dexamethasone | 1 (3.6) |
| | Vitamin B-complex | 1 (3.6) |
| Who prescribes the drugs? (n ¹ =24) | Self then doctor | 11 (45.8) |
| | Self | 9 (37.5) |
| | Veterinarian | 3 (12.5) |
| | Animal husbandry officer | 1 (4.2) |
| What are the traditional treatments used? (n ¹ =34) | Phytolacca (Homeopathic drug) | 11 (32.4) |
| | Ice | 4 (11.8) |
| | No traditional treatment | 3 (8.8) |
| | Napthalene | 3 (8.8) |
| | Cold water | 2 (5.9) |

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|--|---------|
| Egg yolk emulsion | 2 (5.9) |
| Belladonna (Homeopathic drug) | 2 (5.9) |
| Calcarea sulf (Homeopathic drug) | 2 (5.9) |
| Walking | 1 (2.9) |
| Heat | 1 (2.9) |
| Turmeric | 1 (2.9) |
| Coconut oil | 1 (2.9) |
| <i>Aurum mureacum</i> (Homeopathic drug) | 1 (2.9) |

%. Percentages; NSAID: Non-steroidal anti-inflammatory drugs n¹=Total number of replies from 24 farms against each question. If one farmers mentioned multiple answers to a question, the replies were listed and counted in the distinguished category under each question.