

APPENDIX B

Economic of mastitis questionnaire

General

1. How many milking cows do you currently have? _____ cows
2. What is the cow average daily milk production on your farm? _____ kg/day
3. How much does it cost to rear or buy a first lactation cow? _____ \$
4. Do you use milk replacer to feed the calves?
 - No – if No, please proceed to question 5
 - Yes
 - 4.a. What brand of milk placer did you use during last 12 months? _____
 - 4.b. What are the costs per kilogram of milk replacer? _____ \$/Kg powder
5. During the last 12 months, how much did you spend on these items to prevent mastitis?
 - 5.a. Pre milking teat-disinfection solution _____ \$/year
 - 5.b. Post milking teat-disinfection solution _____ \$/year
 - 5.c. Dry cow therapy _____ \$/year
 - 5.d. Milking machine maintenance (regular inspection by technician, replacing parts and liners) _____ \$/year
 - 5.e. Gloves for milking personnel _____ \$/year
 - 5.f. Towels for drying teats during milking _____ \$/year
 - 5.g. Vaccine against mastitis (costs for vaccine and administration) _____ \$/year
6. was your farm participating in Dairy Herd Improvement (DHI) control in last 12 months?
 - No – if No, please proceed to question 7
 - Yes
 - 6.a. How many controls in the last 12 months? _____ controls / year
 - 6.b. If it was not from SCC measurements, would you still use DHI control?
 - No
 - Yes

Clinical mastitis

In the current questionnaire clinical mastitis is defined as: a cow with abnormal milk (flakes, watery...) with or without a swollen udder, fever, loss of appetite...

7. How many cases of clinical mastitis did you have in the last 12 months?
_____ CM cases

8. On your farm, what proportion of cows with clinical mastitis is treated with drugs?
_____ %

9. What drugs are used to treat a typical clinical mastitis case on your farm?

Antibiotics	Anti-inflammatory (if any)
<input type="radio"/> 17900 special formula forte	<input type="radio"/> Anafen
<input type="radio"/> Cefa-lak	<input type="radio"/> Metacam
<input type="radio"/> Pirsue	<input type="radio"/> Banamine, Flunixin, Cronyxin
<input type="radio"/> Spectramast LC	<input type="radio"/> Dexamethazone
<input type="radio"/> Other: _____	<input type="radio"/> Flucort
	<input type="radio"/> Predef 2X
	<input type="radio"/> Other: _____

10. How many times per day and for how long is the antibiotic administered?

_____ times per day, for _____ days

11. What is the cost of your typical clinical mastitis treatment?

_____ \$/ treatment (complete whole treatment)

12. How much time do the farm personnel spend working on a typical clinical mastitis case (initial and follow-up treatments, separate milking, etc)? _____ hours

13. For clinical mastitis cases that are not treated, on average for how many days do you discard the milk? _____ days

Not Applicable

14. What proportion of discarded milk from cows with clinical mastitis is used to feed the calves? _____ %

15. In what proportion of clinical mastitis cases do you call a veterinarian?

_____ %

16. On average what are the costs of the veterinarian when called for a clinical mastitis case (without cost of drugs)? _____ \$

17. How many milk samples were collected and analyzed (sent to the lab or analyzed on-farm) for clinical mastitis cases in the last 12 months?

_____ samples/year

18. How much do the laboratory tests cost? _____\$/test

19. How many 1st lactation and older cows were culled or died due to clinical mastitis in the last 12 months?

_____ 1st lactation cows culled

_____ 1st lactation cows died

_____ older cows culled

_____ older cows died

20. When culling a cow with clinical mastitis on average how much money is received for meat or milk sale? _____\$

21. How much money is spent on carcass disposal in case a cow dies from CM?
_____ \$

22. Do you have insurance coverage for antimicrobial residue in the bulk tank?

Yes

No

23. If yes, what is the cost of this insurance? _____\$/year

Somatic cell count

24. What was your average bulk milk somatic cell count in the last 12 months?
_____ x 1,000 cells/ml

25. How much did you lose as penalty for exceeding the SCC limit in the last 12 months? _____\$

26. How many milk samples were collected and analyzed (sent to the lab or analyzed on-farm) for high SCC cows in the last 12 months?
_____ samples/year

27. How many cows were excluded from bulk tank because of high SCC in last 12 months? _____ cows

28. For how many days on average did you exclude milk from these cows?
_____ days

29. Is there a premium in your province for milk quality?

- Yes
 No

30. How much did you spend in the last 12 months for professional advices concerning udder health issues different than treatment of a clinical mastitis case (e.g. routine monitoring, outbreak investigation, high SCC problems)?

_____ \$/an

31. How many 1st lactation and older cows were culled due to high SCC last year?
_____ 1st lactation

_____ older cows

32. How much money was received for meat or milk sale for cows culled because of high SCC? _____ \$/cow

Thank you for your time, in completing this questionnaire

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