

A. Farm

Farm ID:

1. Number of people working on the farm : Men Women *(ICC=0.800, p=0.03)*
2. Do you belong to an association of producers? Yes No
3. How many animals do you have? *(ICC=0.82, p=0.038)*

Lactating cows	
Dry cows	
Calves/heifers	
Bulls/Steers	
Totál	

4. ¿Do you sell or buy your cattle at the public auctions? Yes No *(κ=0.55, p=0.013)*
5. If so, how many did you buy/sell in the past year?
 Bought : Sold :
6. How much milk does your farm produce per day? *(ICC=0.45, p=0.52)*
7. ¿To whom do you sell your milk? *(κ=1.00, p=0.01)*

		Price/L
Gloria		
Nestle		
Cheesemakers		
Open market		

8. ¿Who performs the following services on your farm ? :

	Not done	Veterinarian	Technician	Friend/Neighbor	Yourself
Artificial Insemination	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vaccinations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Antiparasitic dosing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Disease treatment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

9. Would you like the vet to visit your farm more often ? Yes No
10. If so, why do you not have the vet come more often ?

- Price of services too high Vet's treatments don't work
 Distance/difficult access Unavailability of the vet
 Difficult to contact the vet

B. ANTIBIOTICS/TREATMENTS:

11. Last year, did you administer antibiotics to your animals ? Yes No
12. If so, which ones?
13. Do you know what an antibiotic is ? Yes No *(κ=1.00, p=0.002)*

If so, how would you define an antibiotic?

14. Where do you buy your antibiotics ? *(κ=1.00, p=0.001)*
 Vet
 Feed store
 Promoters/drug reps

15. Last year, how many of the following occurred ? ($ICC=0.80, p=0.028$)

	# episodes without Treatment	# episodes with Treatment	Name of drugs used
Mastitis			
Illness after parturition			
Respiratory illness			
Diarrhea			
Skin infections			
Bloating			

16. If you treat your animals yourself, where do you get information on how to do so?

Veterinarian Feed store Friends/neighbors Training Other

17. ¿Do you give antibiotics to prevent disease? Yes No

18. If so, for what ?

After parturition

To dry the cow

When other animals on the farm are sick

20. When a cow is being treated with antibiotics, is she :

Visibly marked? Milked last?

21. When a Treatment doesn't work, what do you do ?

Increase the dose

Change drugs

Sell the cow

22. When you buy antibiotics, what factors do you take into account?:

Order of importance

Price

Brand

Packaging

Quality

Easy to obtain

Recommendation of the

vet/vendor

Previous experience

23. ¿Do you always give the dose/# of treatments recommended by the prescriber? Yes No

If not, why?

Not enough money

The cow appears healed

The Treatment doesn't work

Because the milk production decreases

Because of side effects

24. When an animal is being treated with antibiotics, what do you do with her milk ?

Feed to calves

Continue selling it

Consumed by family

Feed to dogs

Thrown away

(If any answer other than the second) For how long ?

25. Do you know what drug withdrawal/withholding times are? Yes No ($\kappa=1.00, p=0.002$)

If so, can you define them?

26. Do you believe that using antibiotics can result in any of the following?

Danger to the animal

Allergic reaction Yes No Don't know ($\kappa=0.75, p=0.0001$)

Using the same antibiotic frequently can diminish the effectiveness of the drug Yes No Don't know ($\kappa=1.00, p=0.002$)

Danger to the consumer

Pose a risk to consumers who drink milk from cows treated with Antibiotics Yes No Don't know ($\kappa=1.00, p=0.002$)

27. Have you ever observed any complications/side effects after administering antibiotics ?

Yes No If so, which ones ? ($\kappa=1.00, p=0.002$)

C. MANAGEMENT

28. Do you clean the cow's udder before milking?

Never Sometimes Always

29. If so, with what ?

Water Water+soap Disinfectant

30. Do you wash your hands:

Before milking Never Sometimes Always

Between each cow Never Sometimes Always

31. Do you seal the cow's teats with iodine after milking?

Never Sometimes Always

32. Have you or your vet ever done tests to look for sub-clinical mastitis (CMT)?

Yes No

33. Do you feed your cows concentrates? ($\kappa=0.52, p=0.017$)

- Never
 Sometimes
 Every day

D. FARMER

34. Age

35. What percent of your total income comes from sale of mlk? 0-50% 50-100%

36. Monthly income *(ICC=0.97, p=0.004)*

37. Schooling attained:

- Illiterate Secondary complete
 Primary incomplete University
 Primary complete
 Secondary incomplete

38. Altitude of farm:

39. Location of the farm :

CMT results	<input type="checkbox"/> Negative <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3	<input type="checkbox"/> Negative <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3	<input type="checkbox"/> Negative <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3	<input type="checkbox"/> Negative <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3	<input type="checkbox"/> Negative <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3
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