



Questionnaire on Farm Biosecurity for people working at dairy farms

Understanding farm biosecurity practices is essential for preventing the spread of infectious diseases, improving animal health, and reducing the risk of antimicrobial resistance (AMR) in dairy farming systems. **This questionnaire is designed to gather insights into the knowledge, perceptions, and field experiences of individuals working at dairy farms regarding disease prevention and biosecurity practices.** The questionnaire may be used for training programs, workshops, or field assessments related to animal health, AMR, and One Health initiatives.

When using or adapting this questionnaire, consider:

- Customising questions based on the objectives of your workshop or field activity.
- Ensuring that questions are simple, clear, and relevant to the respondents' field experiences.
- Encouraging respondents to answer based on practical realities rather than ideal practices.

The questionnaire may be administered as a printed survey or digital form using platforms such as Google Forms or Microsoft Forms. Depending on the mode of administration and respondent experience, the survey typically takes 15–25 minutes to complete.

Respondents should be informed about how their data will be used, and all information should be collected, stored, and shared responsibly while maintaining confidentiality and anonymity.

This questionnaire was developed as part of the Trinity Challenge supported program 'Resisting AMR, One Farm at a Time', and with the PhD students of CSIR-IMTECH and Dr Pankaj Dhaka, Guru Angad Dev Veterinary and Animal Sciences University (GADVASU), Ludhiana, Punjab.

(Personal Information and Farm Structure)

1. Name
2. Mobile No
3. Village
4. District
5. Age



6. **Sex:**
☐ Male ☐ Female
7. **Education**
8. **Role of the person**
☐ Farm owner ☐ Farm worker
9. **Total number of workers associated with the farm**
10. **Experience of animal farming (in years)**
11. **Number and species of animals in the Farm?**
a) Cattle ____
b) Buffaloes ____
c) Sheep ____
d) Goats ____
e) Others ____

(Assessment Questions)

12. **Have you heard about the term 'biosecurity' at the dairy farm level?**
☐ Yes ☐ No
13. **Do you know about available tests for screening newly purchased animals for endemic diseases?**
☐ Yes ☐ No
14. **If yes, name a few diseases**
15. **Do you know the concept and protocol of animal quarantine?**
☐ Yes ☐ No
16. **Do you know that animals returning from livestock fairs should be isolated before reintroducing them to the main herd?**
☐ Yes ☐ No
17. **Do you know the importance of separating animals by age groups to prevent disease transmission?**
☐ Yes ☐ No
18. **Are you aware of the importance of having a designated sick animal isolation area?**
☐ Yes ☐ No



19. Do you know the benefits of using footbaths with disinfectants at the farm entry to reduce pathogen entry?
☐ Yes ☐ No
20. Do you know that cleaning and disinfection of milk utensils is important even if no visible dirt is present?
☐ Yes ☐ No
21. Do you know the role of teat dipping after milking in mastitis prevention?
☐ Yes ☐ No
22. Do you know that handwashing with soap or disinfectants before and after milking reduces disease spread?
☐ Yes ☐ No
23. Do you believe that feeding colostrum within the first few hours after birth improves calf immunity?
☐ Yes ☐ No
24. Do you believe that mastitis is a major cause of production loss and is linked to poor farm hygiene?
☐ Yes ☐ No
25. Are you aware that diseases can be spread by contaminated feed or water?
☐ Yes ☐ No
26. If yes, name one example
27. Do you know that some diseases can spread via vectors like flies or mosquitoes?
☐ Yes ☐ No
28. If yes, name one example
29. Are you aware that rodents can transmit diseases to dairy animals?
☐ Yes ☐ No
30. Can contaminated hands of workers spread infection among animals?
☐ Yes ☐ No
31. Can infected bulls transmit diseases during natural mating?
☐ Yes ☐ No
32. If yes, name one disease



33. Do you know that the dung and urine of apparently healthy animals can still carry pathogens?

☐ Yes ☐ No

34. Have you heard about zoonotic diseases—diseases transmissible between animals and humans?

☐ Yes ☐ No

35. If yes, list 1-2 examples

36. Are you aware of the term 'antibiotic resistance' in farm animals?

☐ Yes ☐ No