



NEOSPORA CANINUM RISK FACTOR QUESTIONNAIRE

Date of sample collection: _____ Study reference: _____

Location (City, Municipality and Province): _____

Address: _____

G.P.S coordinates: E _____ S _____

Tel/Cell: _____ Email Address: _____

1. Size of farm:

< 10 hectares 10 – 100 hectares 101 – 500 hectares > 500 hectares

2. Total number of cattle on farm: _____

1 – 100 (very small) 101 – 300 (small) 301 – 1000 (medium) > 1 000 (large)

3. Proportion (% & numbers) of heifers, adult cattle and calves in the herd

Heifers _____ Adult cattle _____ Calves _____

4. Average age of the herd

< 3 years 3 – 5 years > 5 years

5. Breed of cattle:

Holstein-Friesland Jersey Guernsey Ayrshire Dairy Swiss Mixed

6. Type production system:

Commercial Non-commercial

7. Type of farm:

Private Communal

8. Proximity to a town or village:

Close (< 5kms) Far (5 - 10kms) Very far (>10kms)

Closest town or village is _____ and _____ kms away

9. Type of feeding regime:

Pasture grazed Pasture grazed & zero grazing (TMR) Zero grazing (TMR)

10. Source of feed:

Made on farm Made off farm / Commercial feed

11. Use of baled feed:

Yes No

12. Use of troughs/ self-contained feeder for cattle feed and supplements:

Yes No

13. Pasture drainage:

Excellent (allows water to drain at a moderate rate without water pooling & puddling)

Good (allows water to drain at a slow rate with little water pooling & puddling)

Poor (does not allow water to drain, there is pooling & puddling)

14. Water source for cattle:

Municipal Well Borehole River Dam

15. Segregation of cattle housing:

separation between cows, heifers & calves

absence of separation between cows, heifers and calves

16. Level of hygiene and sanitary conditions of cattle housing:

Excellent (exceeds animal welfare minimum standards on housing)

Good (satisfies animal welfare minimum standards on quality on housing)

Poor (does not satisfy animal welfare minimum standards on housing)

17. Main reasons of selective culling of animals:

Feet/claw disorders Udder disorders Metabolic and digestive disorders

Fertility problems Others specify: _____

18. Origin of replacement animals:

Other farms Born on farm Both (other farms & born on farm)

If from other farms specify type of replacement animals:

Pregnant cows/heifer Open cows/heifer Bulls

19. Any tests done to replacement animals before introduction?

Yes No

If yes specify test: _____

20. Quarantine practiced when introducing new animals:

Yes No

21. Any specific area or housing used for quarantine?

Yes No

22. How long is quarantine?

< 2 weeks 2 – 4 weeks > 4 weeks

23. Level of biosecurity of cattle husbandry practices on farm:

High biosecurity (excellent control access, disinfectant footbaths, working fence)

Moderate biosecurity (good control access, no disinfectant footbaths, occasionally working fences)

Low biosecurity (no control access, no working fences)

24. Main health problems in the herd:

Neonatal diarrhoea Bovine respiratory disease Metabolic diseases

Parasitic diseases Mastitis Reproductive diseases Lameness

Others

If others specify: _____

25. Implementation of disinfection, fumigation and rodent control measures:

Yes No

26. Cattle kraaled/housed at night:

Yes No

27. Presence of wildlife on farm:

Yes No

If yes, specify: _____

Wild canids Wild felids Wild herbivores

28. Presence of other domestic animals besides cattle on farm:

Yes No

If yes: Dogs Cats Horses Poultry Small stock Pigs

Others, specify _____

29. Number of dogs on farm: < 2 2 – 5 > 5

30. Age of dogs:

< 6 months 6 – 18 months > 18 months

31. New dogs bought on to farm in the past 24 months:

Yes No

32. Dogs used as cattle working dogs:

Yes No

33. Dogs have access to colostrum and or milk:

Yes No

34. Dogs have access to uterine discharges or placental material or aborted foetuses:

Yes No

35. Dogs defecate on or have access to pastures or feed troughs or feed storage areas:

Yes No

36. Breeding service:

Bull Artificial insemination

If bull any diagnosis of:

Tritrichomoniasis Campylobacteriosis Bovine Viral Diarrhea

Herpesvirus

37. Presence of calving location:

Yes No

38. Use of calving location or pen to hospitalize sick animals

Yes No

39. Management of colostrum:

Pooled colostrum Calves suckle colostrum from dam

40. Milking type:

Machine Hand

41. History of abortion on farm in the previous 24 months:

Yes No

If yes what is the rate of abortion:

< 2% 2% - 10% > 10%

42. Condition of aborted fetuses:

Fresh Autolyzed Mummified

43. Birth of neurological or weak calves:

Yes No

44. Annual rate of cows returning to oestrus post pregnancy:

Specify _____

45. Disposal of placenta or afterbirth or aborted fetuses done:

Yes No

46. Destination of placenta or afterbirth or aborted foetus or dead animals:

Destroyed on farm Destroyed off farm

Sold or donated as animal feed/manufacturing of animal feed

47. *Neospora caninum* infection ever confirmed on farm?

Yes No

if yes which diagnostic test and sample was used : _____

48. Any other confirmed cause of reproductive failure confirmed on farm:

Yes No

If yes (Specify) _____

49. Management of animal records and information:

Software Use of log books No recording done

.....**END**.....

Thank you for your cooperation and time spent. Enjoy your day!

Cattle	Identification (Tag #)	Sex (Male / Female)	Age group (< 2 yrs; 2 – 4 yrs;< 4 yrs)	Lactation #	Age of gestation (1st,2rd,3rd)	Parity # (0;1; 2-4 ;<4)
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