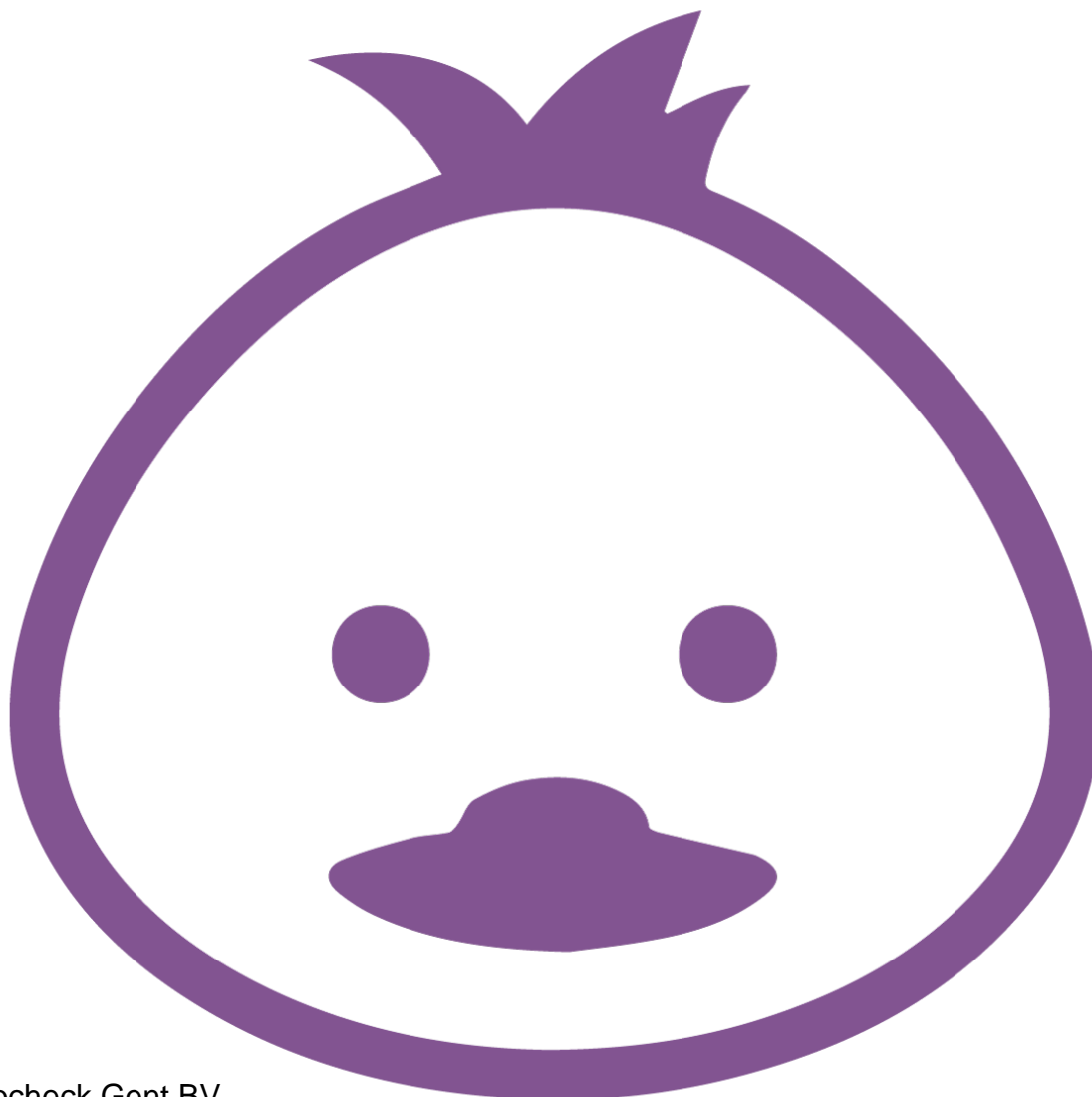


BIOCHECK POULTRY

Backyard/Small-scale poultry production



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~. Farm characteristics

I. How many birds are there (on average) on the farm?

.....

II. How many years of experience in keeping poultry does the person in charge have?

.....

III. How many people are working on the poultry farm?

.....

IV. How old (in years) is the oldest coop in which poultry is being kept?

If the building was renovated, give the age before the renovation.

.....

V. How old (in years) is the newest coop in which poultry is being kept?

If the building was renovated, give the age before the renovation.

.....

VI. Which type of poultry do you have?

Check any that apply.

- ☐ Native chicken species
- ☐ Crossbreed chicken species
- ☐ Ducks
- ☐ Geese
- ☐ Guinea fowl
- ☐ Pigeons
- ☐ Others

VII. Which poultry-rearing system do you have?

Select one option.

- ☐ Intensive
- ☐ Semi-intensive
- ☐ Scavenging/free-range

If "Intensive" is chosen, end this survey and go to the [Broiler survey](#).

VIII. What is your primary purpose for poultry rearing?

Select one option.

- Food production (meat or eggs) for own consumption
- Trade of live birds or eggs
- Poultry rearing (sell live animals when they reach productive period)
- Companion/pet
- Other

A. Purchase of eggs or one-day-old chicks

1. Do you purchase eggs for hatching? *(required)*

Select one option.

- ☐ Yes
- ☐ No

If "No" is chosen, go to question 5.

2. Are the eggs (during the last 2 years) always bought from the same original supplier? *(required)*

If you are keeping chickens for less than 2 years, select the answer that reflects the past time.

Select one option.

- ☐ Always from the same supplier
- ☐ Sometimes from different suppliers
- ☐ Never from the same supplier

3. Do the eggs get disinfected at the supplier's farm? *(required)*

Select one option.

- ☐ Always
- ☐ No, but I disinfect the eggs as soon as they arrive on my farm
- ☐ Never
- ☐ I don't know

4. Are the bought eggs directly delivered to your farm? *(required)*

This means that the eggs are delivered directly by the supplier (no stops in between) or you pick up the eggs yourself with a personal transport vehicle (no public transport) directly from the supplier.

Select one option.

- ☐ Always
- ☐ Sometimes
- ☐ Never
- ☐ I don't know

5. Do you purchase one-day-old chicks? *(required)*

Select one option.

- ☐ Yes
- ☐ No

If "No" is chosen, go to question 11.

6. Are the one-day-old chicks (during the last 2 years) always bought from the same original supplier? *(required)*

If you are keeping chickens for less than 2 years, select the answer that reflects the past time.

Select one option.

- ☐ Always from the same supplier
- ☐ Sometimes from different suppliers
- ☐ Never from the same supplier

7. Are the bought one-day-old chicks directly delivered to your farm? *(required)*

This means that the one-day-old chicks are delivered directly by the supplier (no stops in between) or you pick up the one-day-old chicks yourself with a personal transport vehicle (no public transport) directly from the supplier.

Select one option.

- ☐ Always
- ☐ Sometimes
- ☐ Never
- ☐ I don't know

8. Is the transport vehicle (incl. the transport crates and containers) cleaned and disinfected before the one-day-old chicks are loaded? *(required)*

Select one option.

- ☐ Yes, cleaned and disinfected
- ☐ Only cleaned
- ☐ Not cleaned nor disinfected
- ☐ I don't know

9. Do you isolate or separate one-day-old chicks before they are introduced into your existing flock? *(required)*

With isolation we mean separation from the flock, where no physical contact between the new chicks or your flock is possible.

Select one option.

- ☐ Yes
- ☐ No

If "No" is chosen, go to question 11.

10. How long do you isolate or separate the one-day-old chicks? *(required)*

Select one option.

- ☐ More than one week
- ☐ One week
- ☐ Less than one week

B. Purchase of laying hens

11. Do you purchase laying hens? (required)

Select one option.

- ☐ Yes
- ☐ No

If "No" is chosen, go to question 17.

12. Are the laying hens (during the last 2 years) always bought from the same original supplier? (required)

If you are keeping chickens for less than 2 years, select the answer that reflects the past time.

Select one option.

- ☐ Always from the same supplier
- ☐ Sometimes from different suppliers
- ☐ Never from the same supplier

13. Are the bought laying hens directly delivered to your farm? (required)

This means that the laying hens are delivered directly by the supplier (no stops in between) or you pick up the laying hens yourself with a personal transport vehicle (no public transport) directly from the supplier.

Select one option.

- ☐ Always
- ☐ Sometimes
- ☐ Never
- ☐ I don't know

14. Is the transport vehicle (incl. the transport crates and containers) for laying hens cleaned and disinfected before the animals are loaded? (required)

Select one option.

- ☐ Yes, cleaned and disinfected
- ☐ Only cleaned
- ☐ Not cleaned nor disinfected
- ☐ I don't know

15. Do you isolate or separate the new birds before they are introduced into your existing flock? *(required)*

With isolation we mean separation from the flock, where no physical contact between the new birds or your flock is possible.

Select one option.

- ☐ Yes
- ☐ No

If "No" is chosen, go to question 17.

16. How long do you isolate or separate new birds? *(required)*

Select one option.

- ☐ More than one week
- ☐ One week
- ☐ Less than one week

C. Depopulation and transport of poultry and poultry products

17. Do you sell live birds at your farm? *(required)*

Select one option.

- ☐ Yes
- ☐ No

If "No" is chosen, go to question 21.

18. Is the transport vehicle (incl. the transport crates and containers) taking the poultry to the slaughterhouses/traders/individuals always empty upon arrival at the farm? *(required)*

Select one option.

- ☐ Always
- ☐ Sometimes
- ☐ Never

If "Sometimes" or "Never" is chosen, go to question 20.

19. Is the transport vehicle (incl. the transport crates and containers) for poultry always cleaned and disinfected on arrival at the farm? *(required)*

Select one option.

- ☐ Yes, cleaned and disinfected
- ☐ Only cleaned
- ☐ Not cleaned nor disinfected
- ☐ I don't know

20. Does the driver of the transport vehicle for poultry has access to the animal facilities? *(required)*

Select one option.

- ☐ Always
- ☐ Sometimes
- ☐ Never/there is no driver coming to the farm

21. Do you sell eggs at your farm? *(required)*

Select one option.

- ☐ Yes
- ☐ No

If "No" is chosen, go to question 26.

22. Is the transport vehicle (incl. the transport crates and containers) taking the eggs to traders/individuals empty upon arrival at the farm? *(required)*

Select one option.

- ☐ Always
- ☐ Sometimes
- ☐ Never

If "Sometimes" or "Never" is chosen, go to question 24.

23. Is the transport vehicle (incl. the transport crates and containers) for eggs always cleaned and disinfected on arrival at the farm? *(required)*

Select one option.

- ☐ Yes, cleaned and disinfected
- ☐ Only cleaned
- ☐ Not cleaned nor disinfected
- ☐ I don't know

24. Does the driver of the transport vehicle for eggs has access to the egg facilities of the farm? *(required)*

Select one option.

- ☐ Always
- ☐ Sometimes
- ☐ Never/there is no driver coming to the farm

25. Do people enter the farm to buy eggs? *(required)*

Select one option.

- ☐ Yes, they enter the farm and they go inside the rooms where eggs are being kept
- ☐ Yes, they enter the farm, but they stay outside the rooms where eggs are being kept
- ☐ No, the eggs can be bought without entering the farm (e.g. from the public road)

26. Do you take live poultry to the local market for sale? *(required)*

Select one option.

- ☐ Yes
- ☐ No

If "No" is chosen, go to question 29.

27. Is there poultry that leaves the farm (e.g. for the market) and returns afterward? *(required)*

Select one option.

- ☐ Yes
- ☐ No

If "No" is chosen, go to question 29.

28. Are these returning birds isolated (quarantined) from your flock? *(required)*

With isolation we mean separation from the flock, where no physical contact between the returning birds or your flock is possible.

Select one option.

- ☐ Always
- ☐ Sometimes
- ☐ Never

D. Feed and water supply

29. What type of feed do you use? *(required)*

Select one option.

- ☐ Commercial feed
- ☐ Own-produced feed
- ☐ Kitchen waste/leftovers
- ☐ A combination of the above

30. Is the feed storage and/or storage of mixing materials completely protected against water, birds and vermin? *(required)*

Select one option.

- ☐ Yes
- ☐ No

31. What is the source of water supply on your farm? *(required)*

Select one option.

- ☐ Municipal water supply
- ☐ Deep well water
- ☐ Rainwater
- ☐ Surface water (pond, river, etc)

E. Manure and carcass removal

32. How often do you remove manure from the poultry coops? *(required)*

Select one option.

- ☐ Multiple times during every production round
- ☐ After every production round
- ☐ After several production rounds

33. Do you use poultry manure as a fertilizer for your surrounding crop fields? *(required)*

Select one option.

- ☐ Yes, manure from my own poultry and other farms
- ☐ Yes, manure from my own poultry
- ☐ No

If "No" is chosen, go to question 35.

34. Do you compost the manure before using it as fertilizer? *(required)*

Select one option.

- ☐ Yes
- ☐ No

35. What happens with the carcasses/leftovers (intestine, feathers, etc..)? *(required)*

Select one option.

- ☐ It is buried/burned
- ☐ It is collected by a rendering company
- ☐ It is consumed at home
- ☐ It is given/sold to others
- ☐ It is used as animal feed for fish, mammals, or birds
- ☐ It is thrown away in the environment

*If an answer **different** from "It is buried/burned" is chosen, go to question 37.*

36. How do you bury/burn the carcasses/leftovers? *(required)*

Appropriate soil: pits away from groundwater source and preferably with at least 1,5 meters depth.

Select one option.

- ☐ In appropriate soil/an approved incinerator
- ☐ In a pit of at least 1meter depth/in a closed oven
- ☐ In an open pit

37. Are carcasses/leftovers manipulated with gloves or are hands washed after manipulation? *(required)*

Select one option.

- ☐ Always
- ☐ Sometimes
- ☐ Never

F. Visitors and farm personnel

38. Upon entering the poultry coop or egg storage, do the farmer/farm workers perform the following actions? *(required)*

Farm-specific: specific for performing the work on the farm, these are not used outside of the poultry coops.

	Always	Sometimes	Never
Wear farm-specific boots	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Wear farm-specific clothes	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Wash hands/wear gloves	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

39. Does the farmer/farm workers have contact with live birds from other farms? *(required)*

Select one option.

- ☐ Yes
- ☐ No

40. Upon entering the poultry coop or egg storage, do professional visitors (veterinarian, truck drivers, feed deliveries, pest control,...) perform the following actions? *(required)*

Farm-specific: specific to the farm, these are not used outside of the poultry coops or on other farms.

	Always	Sometimes	Never
Wear farm-specific boots	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Wear farm-specific clothes	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Wash hands/wear gloves	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

41. Are non-professional visitors (e.g. family members, local school children) allowed to enter the animal facilities? *(required)*

Select one option.

- ☐ Yes
- ☐ No

G. Infrastructure and biological vectors

42. Where do you keep your poultry? *(required)*

Select one option.

- ☐ Indoors
- ☐ (Partially) outdoors with nets on all sides of the area
- ☐ Outdoors without nets (scavenging)

If "Indoors" or "(Partially) outdoors with nets on all sides of the area" is chosen, go to question 44.

43. Can your birds make contact with (wild) birds during scavenging? *(required)*

Select one option.

- ☐ Yes
- ☐ No

44. Do you keep different poultry species on your farm for farming purposes? *(required)*

Select one option.

- ☐ Yes
- ☐ No

45. Are pets (cats, dogs) allowed in the same areas as the poultry (in- or outside)? *(required)*

Select one option.

- ☐ Always
- ☐ Sometimes
- ☐ Never/no pets present

46. Are vermin (i.e. rats, mice, etc.) considered to be a problem at the farm? *(required)*

Select one option.

- ☐ Always
- ☐ Sometimes
- ☐ Never

47. Do you share farm equipment (nests, cages, ...) with other farms? *(required)*

Select one option.

- ☐ Yes
- ☐ No

H. Location of the farm

48. How far is the nearest household with backyard poultry from your farm? *(required)*

Select one option.

- ☐ >100 meter
- ☐ 50-100 meter
- ☐ 10-49 meter
- ☐ <10 meter

49. How far is the nearest commercial poultry farm from your farm (i.e. where poultry or poultry products are sold)? *(required)*

Select one option.

- ☐ >500 meter
- ☐ 100-500 meter
- ☐ 50-99 meter
- ☐ <50 meter

50. Is there an open water source within a 1-kilometer radius of the farm? *(required)*

Select one option.

- ☐ Yes
- ☐ No

I. Disease management

51. How often does a veterinarian visit your farm? *(required)*

Select one option.

- ☐ At least once a month
- ☐ Multiple times a year
- ☐ At least once a year
- ☐ Less than once a year/no veterinary consultation

52. Are there different age categories present on the farm? *(required)*

Select one option.

- ☐ Yes
- ☐ Yes, between different poultry species
- ☐ No

53. Are birds vaccinated against any of the common diseases? *(required)*

Select one option.

- ☐ Against all common diseases
- ☐ Against some of the common diseases/sometimes
- ☐ No

54. Do you separate sick birds from healthy birds? *(required)*

Select one option.

- ☐ Yes
- ☐ Sometimes
- ☐ No

If "No" is chosen, go to question 56.

55. Where do you keep the sick birds? *(required)*

Select one option.

- ☐ In a separate shed
- ☐ Inside the poultry coop but physically isolated from the healthy animals
- ☐ Inside the poultry coop where physical contact with the healthy animals is possible

56. How often do you check and remove dead birds from the animal facilities? *(required)*

Select one option.

- ☐ Twice a day
- ☐ Daily
- ☐ Multiple times a week
- ☐ Once a week or less

J. Cleaning and disinfection

57. Are the animal facilities cleaned after every production round? *(required)*

Select one option.

- ☐ Yes, dry and wet cleaning
- ☐ Yes, dry cleaning
- ☐ No

If "Yes, dry cleaning" or "No" is chosen, go to question 60.

58. Are the animal facilities soaked with water before the start of the cleaning? *(required)*

Select one option.

- ☐ Always
- ☐ Sometimes
- ☐ Never

59. Is detergent/soap added to the water during cleaning? *(required)*

Select one option.

- ☐ Always
- ☐ Sometimes
- ☐ Never

60. Are the animal facilities disinfected? *(required)*

Select one option.

- ☐ Always
- ☐ Sometimes
- ☐ Never

If "Never" is chosen, go to question 62.

61. Are the animal facilities dry before starting the disinfection? *(required)*

Select one option.

- ☐ Always
- ☐ Sometimes
- ☐ Never

62. Is the drinking water system cleaned and disinfected at least after each production cycle? *(required)*

	Always	Sometimes	Never	There is no drinking water system in place
Cleaned	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Disinfected	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

63. Is the feeding system cleaned and disinfected at least after each production cycle? *(required)*

	Always	Sometimes	Never	There is no feeding system in place
Cleaned	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Disinfected	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>