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# BIOPON PROGRAMME



## MAIN KEY POINTS

- Important for farmers to detect risk factors for entry of pathogenic micro-organisms.
- On-site Biosecurity audit.
- Individual report to train the farmer and scatter plot score report.

As you know it is important for layer farmers to know all the **risk factors** that their farm has for the entry of **pathogenic micro-organisms**. This will affect the economy of the farm due to the decreasing production or causing compulsory culling.

A good practice to identify these risk factors is that farmers take part in the **BIOPON programme**. A properly trained **veterinarian or advisor like you** will detect **specific hazards** of the whole farm and of each specific poultry house. This will be done as follows:

1

2

3



On-site  
Biosecurity  
Audits




Individual  
report to train  
the farmer



Scatter plot  
score  
report

## 1

An on-site audit of the biosecurity measures (external and internal) implemented both at the level of the whole farm and specific to each house. At the end of the audit, a score is obtained for each house and an average for the whole farm.

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**LAYERS**

Survey N°: \_\_\_\_\_ Date: \_\_\_\_\_

**FARM GENERAL INFORMATION:**

FARM REGISTER N°: \_\_\_\_\_

POULTRY HOUSE AND BATCH IDENTIFICATION:

ANIMAL PRODUCTIVE STATE	Production weeks number*
LAYING PHASE	
REARING PERIOD	
SANITARY BREAK	

\*This data refers to the time the birds stay in laying house.

**FARM CENSUS (COMPLETE)**

Maximum capacity allowed/registered	Poultry houses/flocks number	Real census (at this time)

ANIMAL NUMBER IN THIS FLOCK: \_\_\_\_\_

FARMING METHOD:

Floor	Cages	Other (please specify)


EGG DESTINATION CENTRE (INFORMATION OR IDENTIFICATION OF THE DESTINATION PACKING): \_\_\_\_\_

IDENTIFICATION AND SIGNATURE OF THE VERIFIER: \_\_\_\_\_


HOLDER OR PERSON IN CHARGE (POSITION) PRESENT DURING THE VERIFICATION: \_\_\_\_\_

FARM VETERINARIAN (name and surnames, address, telephone, e-mail): \_\_\_\_\_

	Yes	No	Weak	Score
<b>1.-GENERAL BIOSECURITY MEASURES</b>				
a) Perimeter fence and entrance door in good conditions (3)				
b) Disinfection gate and maintenance of the gate periodic control documents (2)				
c) Vehicle disinfection footbath and maintenance of vehicle disinfection footbath periodic control documents (1)				

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d) Substitute disinfection equipment at the farm entrance and maintenance of the substitute disinfection equipment periodic control documents (1)				
e) ** No Access to water for wild birds and other animals (x0 ó x1)				
<b>f) Facilities maintenance:</b>				
• Absence of weed around the poultry houses (1)				
• Poultry house perimeter in Good maintenance and cleanliness (1)				
• Cleanliness and conservation of the poultry house (1)				
<b>g) Drinking water:</b>				
• Comes from municipal water system, or it is chlorinated or treated with equivalent treatment				
• Existence of periodic and documented water analysis				
<b>h) Tightness facilities Works properly:</b>				
• ** Windows (x0 ó x1)				
• ** Axillary mesh (x0 ó x1)				
• Fan's shutters (1)				
• Egg collection belt passage (1)				
• Access doors and other closed Access (1)				
• Poultry manure pit closed				
<b>i) Manure withdrawal system (exclusive options)</b>				
• With belt under the cages emptying at least weekly and removal outside the farm (3)				
• With belt under the cages emptying at least weekly and proper storage inside the farm, (outside the poultry houses) (2)				
• Deep manure pit with removal and cleaning at least every cycle (1)				
<b>j) ** There is an adequate system for the disposal of the corpses (x0 ó x1)</b>				
<b>k) Poultry houses access control:</b>				
• Visitor's book duly completed (1)				
• Access with proper and clean clothing and equipment (1)				
• Work clothes for staff, in Good condition and clean and clean staff (1)				
• Access to the Poultry houses through footbath or other disinfection method at the entrance, in good condition (1)				
<b>l) The operators are technically trained for their task, or there is written work protocol (2)</b>				
<b>2.- PULLETS SUPPLY</b>				
a) The batches entering the farm have:				
• **Official movement health documents (x0 ó x1)				
• **Certificate of sanitary control program for Salmonella of the flock origin breeders (except from S. Salmonella serotypes) (x0 ó x1)				
• These birds have been vaccinated during the rearing period* (or shows exemption by exception)(x0 ó x1)				
<b>3.- FEED CONTROL PROTOCOL</b>				

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a) The feed silos are closed (2)				
<b>b) Contamination control is carried out through the feed (documented):</b>				
• Supplier's periodic analysis certificates to detect the presence of Salmonella (3)				
• There is a certificate from the feed supplier that authorized additives (acidifiers) are used in the feed (3)				
• There is a certificate from the feed supplier that an adequate heat treatment is applied in its manufacture (4)				
<b>4.- CLEANING, DISINFECTION AND DISINFESTATION PROTOCOL</b>				
a) **A program for cleaning, disinfection and disinfestation of facilities exists and is documented through the corresponding records (x0 ó x1)**				
b) **analysis of the effectiveness of the cleaning and disinfection system are carried out (x0 ó x1)**				
c) Operators know the procedure and are trained to apply it (4)				
d) **The sanitary break period is respected for a minimum time of 12 days or 7 days in case the effectiveness of cleaning and disinfection is demonstrated before this period (x0 ó x1)**				
e) A protocol for cleaning and disinfecting the tools and vehicles used on the farm exists and is documented (4)				
f) The facilities and the egg collection belts are kept clean (4)				
<b>5.- RODENTS AND OTHER ANIMALS CONTROL PROTOCOL</b>				
a) There is a rat extermination plan documented through the corresponding records and the tools and products to carry it out				
• By own means (5)				
• through authorized companies (7)				
b) There are no holes in the facilities that allow the entry of rodents				
c) Dogs and cats are controlled (no access to the poultry house)				
<b>6.- VETERINARY DRUG USE CONTROL PROTOCOL</b>				
a) **The Drug Registry exists and is updated according to Royal Decree 1749/1998 or, where appropriate, copies of the prescriptions are kept for the data required in its article 8 that already appear in them. (x0 ó x1)				
<b>7.- VETERINARY SUPERVISION</b>				
a) **There is a veterinarian responsible for the supervision of the farm who carries out regular visits and controls that are recorded (x0 ó x1)				
<b>8.- MANAGEMENT PRACTICES</b>				
a) **A code of good hygiene practice exists and is being applied properly (x0 ó x1)				
b) **All in-all out management system (single-batch poultry farm) (x0 ó x1)				
<b>9.- SELF-CONTROL</b>				
a) **Rearing Flocks: 1-day-old chicks, and 2 weeks before the start of the laying period (x0 ó x1)				
c) **Production flocks: every 15 weeks in the laying phase from 24 tweeks (x0 ó x1)				



Figure 1: Audit model

SCORE:

COMMENTS:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_


\*One survey per flock

\*\*Exclusive requirements



## 2

With the detected risk factors, either due to non-implementation or poor implementation of a biosecurity measure, a first report is prepared explaining the importance of the correct implementation of each biosecurity measure and recommending different corrective measures to minimise the risks. Although the farmers receive the advice in the written report, recommendations and advice are given to the farmers during the visit at the same time as the audit is carried out.



POULTRY QUALITY AND ANIMAL FEED CENTER OF THE VALENCIAN COMMUNITY

C/Alfacs 16, 12539 Alquerías NP  
Tel 964 592 387  
comunicacion@cecav.es

- (G) Laboratory Authorized by the Conselleria Agrícola, Fishing and Feeding of la Generalitat Valenciana in the analysis of the Health Plan Poultry and national control programmes Salmonella
- (G) Laboratory Registered in the Catalogue of Public Health Laboratories of the Ministry of Health of la Generalitat Valenciana
- (G) ISO 9001 Certified Laboratory with #1 EC-364408
- (G) Official Laboratory for the Control of Trichinella in the Valencian Community
- (G) Accreditation ADEB and Recognition of Accreditation BISO by the Ministry of Health and Social Policy of the Region of Murcia
- (G) Center authorized by the Ministry of Science and Innovation to perform SARS-CoV PCR tests-2

## VISIT REPORT

### BIOPON PROGRAM

On XXXXXX the holding of laying hens XXXXXXXX with identification number XXXXXXXX and located in the municipality of XXXXXX was visited, on the occasion of the realization of the survey verification of biosecurity measures and control over the correct implementation of the code of good hygiene practices, framed within the **BIOPON program**.

The farm has 2 houses of code 3 (cages enriched in battery), so 2 surveys were carried out to verify the biosecurity measures and control over the correct implementation of the code of good hygiene practices of the herds that at that time were in production.

The final score of the 2 surveys verifying biosafety measures and the code of good hygiene practice is as follows:

House A: **89%**

House B: **85%**      **AVERAGE FARM SCORE: 87%**


**Opportunities for improvement in all ships:**

- The farm has a substitute disinfection equipment at the entrance of the farm (fumigator backpack for wheels and underside of vehicles) **has periodic maintenance control documents, but they are not filled.**
- Operators do not have training courses in biosecurity.** However, they have received the work instructions which include the main biosecurity measures.

**Specific improvements opportunities of house B**

- During the audit weeds are observed less than 1 meter from the house.
- During the audit, debris remains are observed near the house.
- During the audit it is observed that a door, which is not used, leaves a gap between it and the ground that could allow the access of vectors.

Alquerías del Niño Perdido — C/Alfacs nº16 — CP 12539 — Tel 964 592 387 — CIF 03756226 — Comunicación@cecav.es (G)



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### Recommendations for improvement in all houses:

- Correct filling of the **record sheet** where it is reflected the **check of the correct functioning of the fumigator backpack**
- Training program** (internal or external) in **biosecurity** for company personnel who are in contact with birds. In case of internal training, it must be recorded through a record of attendance (including name, date and signature) as well as the documentation of the contents taught and the person who provides the training. In case of external training, all training records issued by the training entity must be available.

**Improvement recommendations for house B:**

- Eliminate weeds** present less than one meter from the walls of the ships to prevent them from being vectors refuge.
- Remove the debris** present near the ship to prevent them from being a refuge from possible pests.
- Cover the gap between the door and the ground** to prevent the entry of pests such as rodents.

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Figure 2: Report model

*This report is only a model, they are not real results, they are fictitious.*

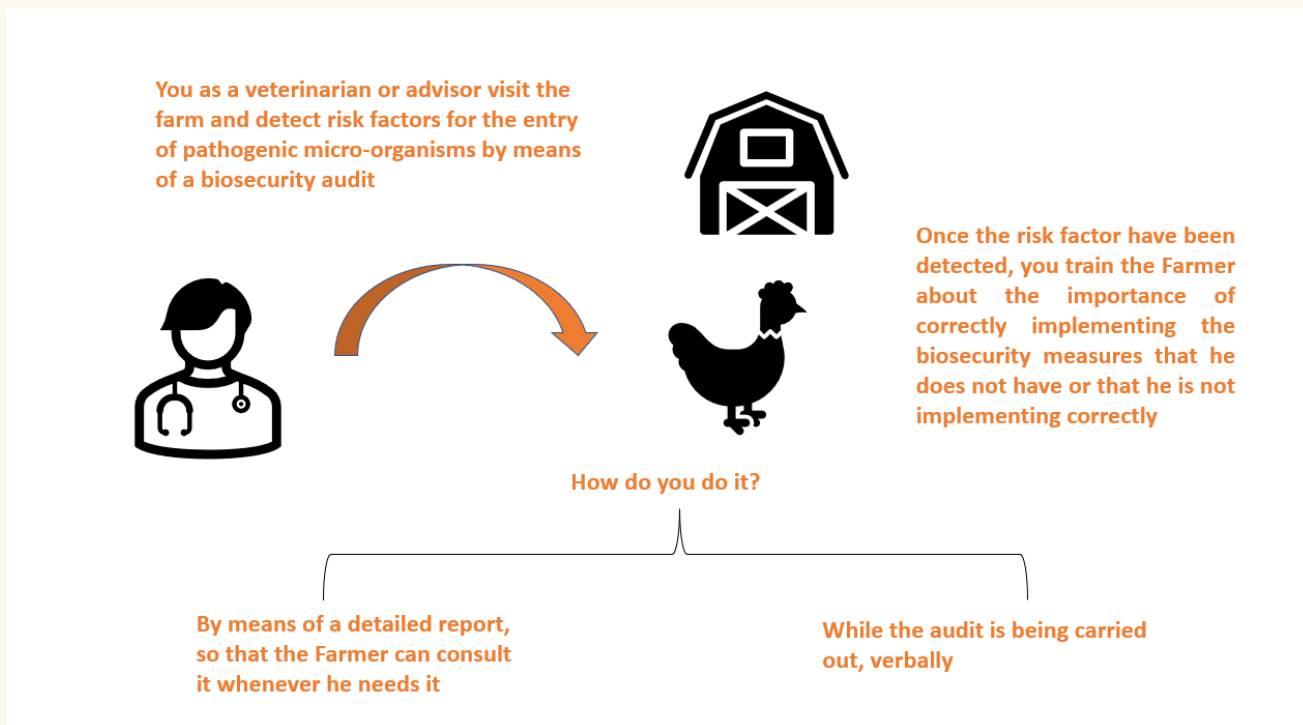


Figure 3: Summary of steps

# 3

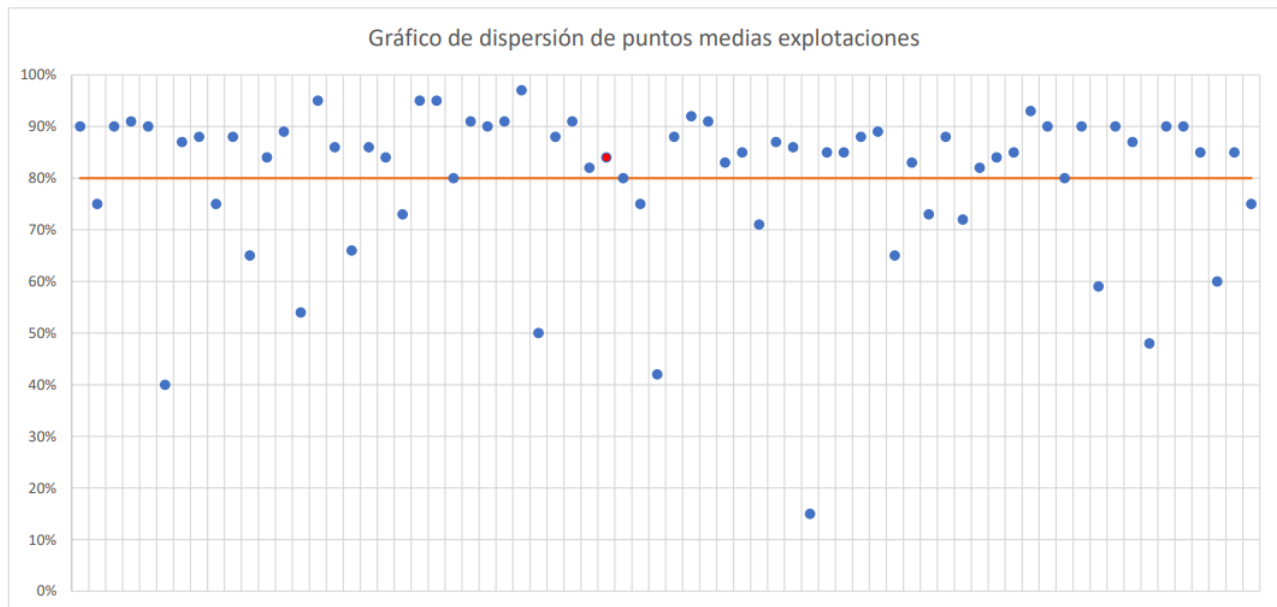
When the audits of the other farmers that you advise in the region are finished, the **average of the region is calculated** and each farmer receives a **second report with a scatter plot** showing graphically whether the farmer's biosecurity score is below, equal to or above the average.



**CENTRO DE CALIDAD AVÍCOLA Y ALIMENTACIÓN ANIMAL DE LA COMUNIDAD VALENCIANA**

C/Nules 16, 12539  
Alquerías NP  
Tfno 964 592 387  
comunicacion@cecav.es

- (e) Laboratorio Autorizado por la Conselleria d'Agricultura, Pesca i Alimentació de la Generalitat Valenciana para los análisis del Plan Sanitario Avícola y de los Programas Nacionales de Control de *Salmonella*
- (e) Laboratorio Inscrito en el Catálogo de Laboratorios de Salud Pública de la Conselleria de Sanitat de la Generalitat Valenciana
- (e) Laboratorio Certificado ISO 9001 con nº EC-3644/08
- (e) Laboratorio Oficial para el Control de *Trichinella* en la Comunidad Valenciana
- (e) Autorización A/080 y Reconocimiento de Acreditación B/080 por la Consejería de Sanidad y Política Social de la Región de Murcia
- (e) Centro habilitado por el Ministerio de Ciencia e Innovación para realizar pruebas PCR de SARS-CoV-2



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*This scatter plot is only a model, they are not real results, they are fictitious.*

**BIOPON PROGRAMME VIDEO LINK:**

**For more information:**

- NETPOULSAFE project : <https://www.netpoulsafe.eu>



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