



**MINISTÈRE  
DE L'AGRICULTURE  
DE LA SOUVERAINETÉ  
ALIMENTAIRE ET DE LA FORÊT**

*Liberté  
Égalité  
Fraternité*

# **FRENCH VACCINATION PLAN FROM AN EXPORTING PERSPECTIVE**

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## **1. CONTEXT**

## **2. CHALLENGES FROM AN EXPORTING COUNTRY PERSPECTIVE : DECISION MAKING FACTOR**

## **3. VACCINATION STRATEGY**

## **4. VACCINATION PLAN**



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## **1. CONTEXT :**

**THE NEED FOR A COMPLEMENTARY TOOL  
TO BIOSECURITY, CULLING AND ZONING**

## HPAI poultry outbreaks per season in FRANCE

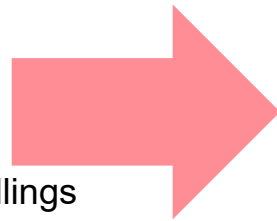
(August N to July N+1)



81	488	0	492	1377	402
2015/20 16	2016/2017	2017/2020 3 seasons	2020/2021	2021/2022	2022/2023

Season	2015/2016	2016/2017	2020/2021	<b>2021/2022</b>	2022/2023	<b>TOTAL</b>
Outbreaks poultry	81	488	492	<b>1377</b>	402	<b>2840</b>
Million of Poultry killed (included preventive killing)	0,35	4,5 (2,5)	3,3 (2,2)	<b>22</b> (6)	10 (3,5)	<b>40,15 million poultry killed</b>
State/UE compensation for livestock farmers (million €)	136	175	158	<b>621</b>	552	<b>1 642 million euros</b>

Zoonotic risk  
 Excessive burden public finances  
 Moral distress of breeders  
 Exhaustion of veterinary services  
 No societal acceptance of mass killings



Early 2021 :

**we need to vaccinate**

July 2022 : **an approved Roadmap**



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## **2. CHALLENGES FROM AN EXPORTING COUNTRY PERSPECTIVE :**

### **DECISION MAKING FACTORS**

## Decision making factors

- **Sector : preserving market access**
- **Importing countries : ensuring that imported products are not infected by HPAI virus**
- **International framework : promotion of HPAI vaccination considering the number of outbreaks and the huge impact of those outbreaks**

## International framework

### EU Support

- COUNCIL of the EU (13 May 2022) : Conclusions on highly pathogenic avian influenza (HPAI): a strategic approach for the development of vaccination as a complementary tool for prevention and control
- COMMISSION DELEGATED REGULATION (EU) 2023/361 of 28 November 2022 supplementing Regulation (EU) 2016/429 of the European Parliament and the Council as regards rules for the use of certain veterinary medicinal products for the purpose of prevention and control of certain listed diseases (Annex XIII)

### WOAH Support

Resolution N°28 (90th General Session May 2023) on Strategic challenges in the global control of HPAI. « *The Assembly recommends that :*

*10. Members respect and implement the adopted WOAH standards and **recognise compliant use of vaccination without negative consequences on trade**, when the vaccination programme is supported by vaccination monitoring and disease surveillance systems that can demonstrate the effectiveness of vaccination and absence of infection.”*

Terrestrial code, chapter 10.4 :

*The use of vaccination against avian influenza may be recommended under specific conditions. Any vaccine used should comply with the standards described in the Terrestrial Manual. Vaccination will not affect the high pathogenicity avian influenza status of a free country or zone if surveillance supports the absence of infection, in accordance with Article 10.4.28, in particular point 2*

## Decision making factors

- **Sector : preserving market access**
- **Importing countries : ensuring that imported products are not infected by HPAI virus**
- **International framework : promotion of HPAI vaccination considering the number of outbreaks and the huge impact of those outbreaks**



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## **3. VACCINATION STRATEGY**

## CLEAR OBJECTIVES AND RULES

### Objective

- Vaccination helps **to slow the spread** of the virus and complements control measures to achieve eradication.

### Conditions

- **Biosecurity** is the cornerstone of HPAI control.
- Vaccination **does not dispense with the elimination of outbreaks**, even when vaccinated.
- Vaccination, from the moment it is required, must be made **compulsory** except in special cases.

## VACCINATED POPULATIONS : CLEAR DEFINITION

Species	Production ducks	Breeding ducks
<b>Ducks</b>	Mandatory vaccination for farms with at least 250 ducks	Vaccination prohibited for breeding ducks whose products (ie hatching eggs and day-old ducklings) are exported to another Member State and third countries.
<b>Gallus</b>	Prohibited vaccination	Prohibited vaccination
<b>Other species</b>	Prohibited vaccination	Prohibited vaccination

## VACCINATION TRACEABILITY DATA RECORDING SYSTEM



### CALYPSO

- To collect data on vaccination carried out by the **VETERINARIAN** or under his supervision: **vaccination and monthly visit for active surveillance.**



### SIGAL

- To collect surveillance data: **LABORATORY analysis results**



### CARTOGIP

- To combine the movement data declared by the operator and the vaccination data from Calypso and thus ensure the **TRACEABILITY OF THE VACCINATED ANIMALS.**

## REINFORCED POST-VACCINATION SURVEILLANCE

Conditions	Reinforced passive surveillance	Active surveillance
<b>Where?</b>	Epidemiological Unit	Epidemiological Unit
<b>By who?</b>	Breeder or Technician	Official veterinarian
<b>Frequency?</b>	Weekly	Every 30 days: clinical visit + virological analysis
<b>How?</b>	Swabs (tracheal or oropharyngeal swabs) on 5 cadavers	Swabs on 60 vaccinated ducks (tracheal or oropharyngeal swabs)
<b>Analysis?</b>	RT-PCR gene M virology If the result was positive → screening H5/H7	RT-PCR gene M virology (If the result was positive → screening H5/H7)

## DIPLOMATIC/COMMUNICATION ACTIVITIES

### Presentation/explanation of the vaccination strategy and plan

#### Transparency at all stages :

- Field trials, scientific opinions, strategy, ...

#### Huge activity :

- All levels : from Minister to technical experts
- All fora : international and bilateral

#### Communication on :

- the robustness of the vaccination plan
- The reinsurance factors (strategy, principle, vaccinated populations, surveillance)



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## **4. VACCINATION PLAN**

## The 2 used vaccines

- **Call for tenders (April 2023) : 141 million doses purchased**
  - **First batch : 80 million doses**
    - 80 000 000 doses of VOLVAC BEST BI vaccine
  - **Second batch (December 2023) : 61 million doses**
    - 34,188,300 doses of VOLVAC BEST BI vaccine
    - 26,811,700 doses of Ceva Respons vaccine

- **2 vaccines used :**

VOLVAC BEST

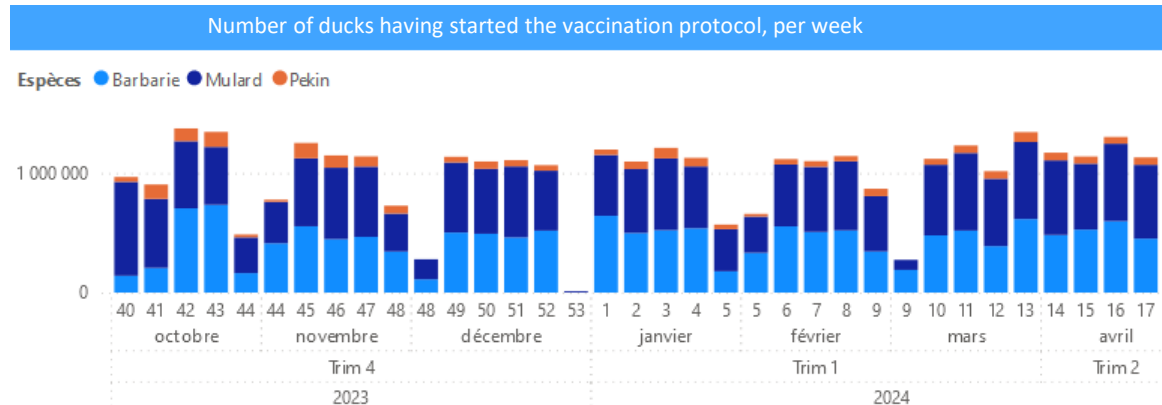
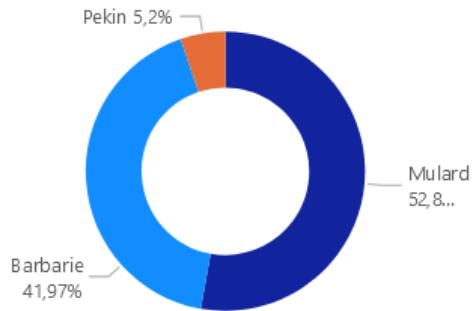
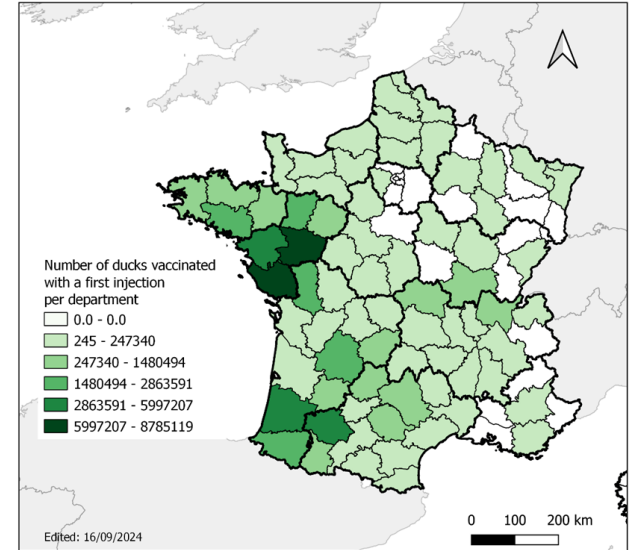
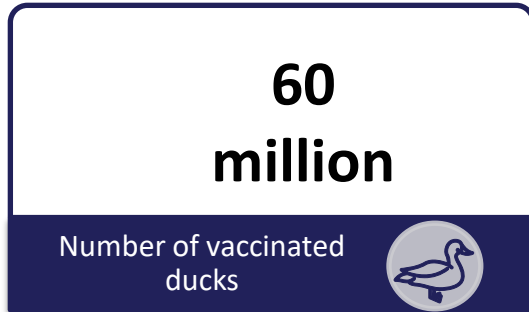
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CEVA RESPONS

[https://www.anses.fr/fr/system/files/90053\\_ATU\\_M\\_ANNEXE.pdf](https://www.anses.fr/fr/system/files/90053_ATU_M_ANNEXE.pdf)

# Vaccination follow-up report

Period : from 1st October 2023 to 26th September 2024



## Results : Post vaccination surveillance (October 2023-August 2024)

### Passive post vaccination surveillance

- Weekly monitoring of up to 5 dead animals in establishments holding vaccinated ducks (PCR analysis)
- Over the period October 2023 – August 2024 :
  - **Number of samples taken for PCR analysis: 32.371**

### Active post-vaccination surveillance

- Monthly clinical surveillance of establishments holding vaccinated ducks with sampling of 60 vaccinated ducks (PCR analysis)
- Over the period October 2023 – August 2024 :
  - **Number of samples taken for PCR analysis: 822.654**

=> **No positive HPAI virological results**



**Marc Fesneau, former French minister of agriculture**  
**1st October 2023 = official launch of vaccination**

## French Ministry of Agriculture website

Everything about the HPAI vaccination action plan in France

(available in English)

<https://agriculture.gouv.fr/tout-ce-qui-faut-savoir-sur-le-plan-daction-vaccination-iahp-en-france>

