



Ministry of Agriculture, Fisheries,
Food Security and Nature



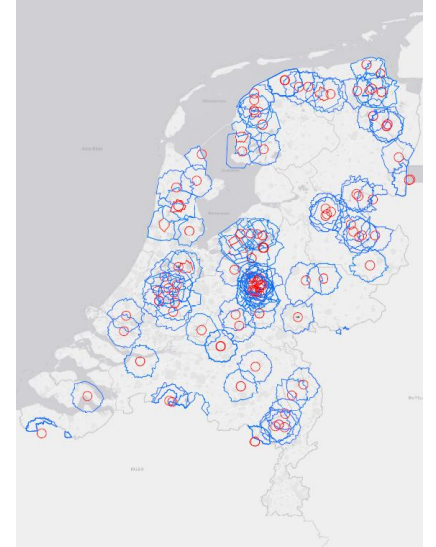
Experience with avian influenza vaccination in the Netherlands

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HPAI outbreaks in the Netherlands 2021-2024

- > 2021: 11
- > 2022: 98
- > 2023: 10
- > 2024: 2
- > 2025: 4
- > Total heads culled : 6,8 million birds
- > Pre-emptive culling: 1,1 million birds
- > More prevention needed



Restriction zones in 2022



Plan to intensify prevention of HPAI

- › Action plan to intensify prevention of HPAI infections; launched 2023
- › Joint action of ministry of Public Health and ministry of Agriculture
- › Aim: reduce probability and impact of infections
- › Three 'one health' chapters:
 - Public health: reduce chance of emergence of more zoonotic variants
 - Wild animals: adequate handling of wild animals with HPAI
 - Poultry holdings: measures to reduce the number of outbreaks and their impact
 - Vaccination
 - Biosecurity
 - New establishments wetland areas; extension in poultry dense area





Vaccination HPAI: step-by-step approach

- › Aim: reduction number of outbreaks of HPAI in poultry
- › Long term: large-scale vaccination programme poultry against HPAI
- › Stepwise approach
 - Laboratory trial to assess efficacy 4 new vaccines
 - Field trial
 - vaccination of layers on two farms, housed regularly
 - test efficacy of vaccines applied under field conditions: scientific work →
 - 4 transmission trials HCU: different age of layers
 - eggs of vaccinated layers are destroyed (scientific experiment)
 - Pilot: 'real life'



Pilot (1)

- › A vaccination pilot with a limited number of layer farms → 1 layer farm
- › Goal of the pilot is to gain experience with:
 - vaccine application at hatchery
 - implementation of compulsory surveillance (DA (EU) 2023/361), registration, communication
 - marketing of eggs NL, labelling eggs, control on process
 - limiting impact of vaccination on trade
- › Set up / preparations in close collaboration with poultry sector
- › Information of several trade partners, e.g. Japan, US, UK



Pilot (2)

- › Vaccine: MSD Innovax ND H5 (vector vaccine); European market access, evaluation by European Medicines Agency (EMA)
- › Pilot under supervision of Competent Authority
- › Vaccination at hatchery
- › Day-old chicks raised in pullet farm
- › At age of 18 weeks to end laying farm
- › Egg production: 90 weeks
- › Consumption eggs (1st and 2nd choice) sold on Dutch market only
- › Spent hens slaughtered and sold on Dutch market, or disposed (Dec '26)



Pilot (3)

- › Before start of pilot, LVVN informed most important trade partners, the EC and the EU MS about the pilot:
 - guarantee that eggs from vaccinated hens would *not* be marketed in other countries
 - explanation of the surveillance programme (compulsory EU legislation: weekly virology, monthly serology)
- › No trade limitations



Pilot (4)

- › Eggs are now produced and marketed on Dutch market
- › No trade limitations
- › End of pilot December 2026





Next steps: 2025 onwards

- › Scenarios for optimal vaccination programme Netherlands
 - Regions at risk: wetlands northern part; poultry dense area central part of Netherlands
 - Poultry type at risk: layer hens, ducks
- › Adjustments of the surveillance programme if feasible and with same level of efficacy (i.e. rapid detection of HPAI infections)
- › Contact with important trade partners about vaccination plan, and adjust certificates where necessary
- › Lobby for acceptance of vaccination and acceptance of products from vaccinated bird by third countries, and by retail in the EU
- › Many steps to be taken before large scale vaccination programme can be launched
- › Exploring possibilities working together

