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Avian Influenza

2022

The Netherlands

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14 March 2022

Status since 25-10-2021



Status 11-03-2022



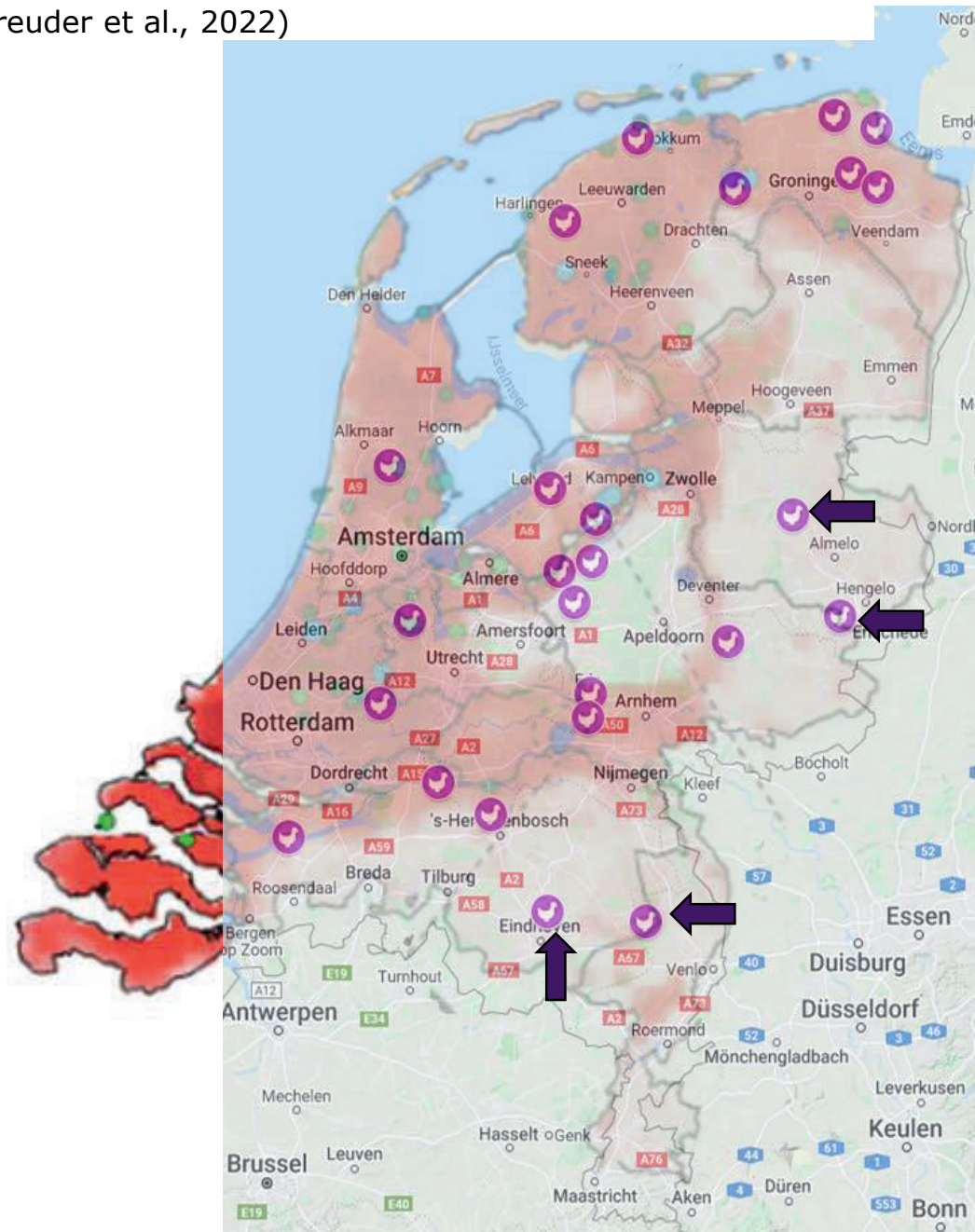


General update

- > We have had **a succession of outbreaks in the past few weeks**
 - > **Since the start of the bird flu season (October '21) we have had 37 outbreaks of HPAI at (hobby) farms.**
 - > **The amount of outbreaks and the spread of the disease over the country is more compared to previous years**
 - > Despite tracing, the route of introduction of the virus to the companies is not (yet) known
 - > There are still finds of infected wild birds. But infection has also been found in a number of mammals (fox, polecat, otter)
 - > Mutations of the virus are closely monitored and data is exchanged between the veterinary and human reference laboratories
- no reason to adjust the risk profile for the time being**

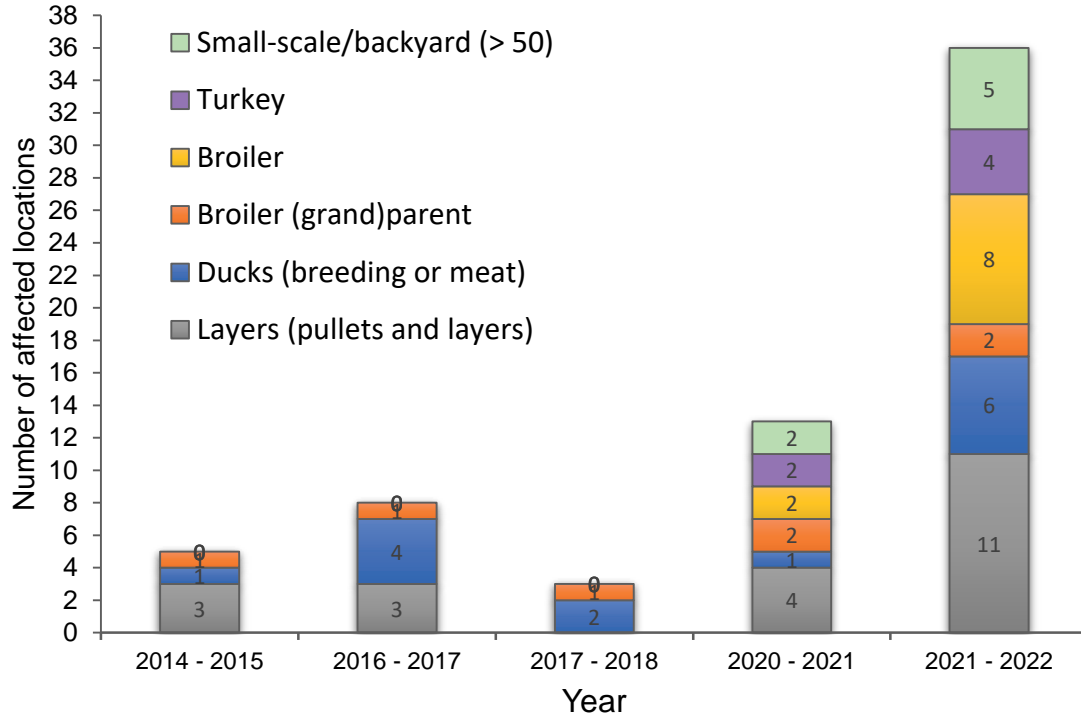
Relative risk HPAI outbreak 2014-2020

(Schreuder et al., 2022)

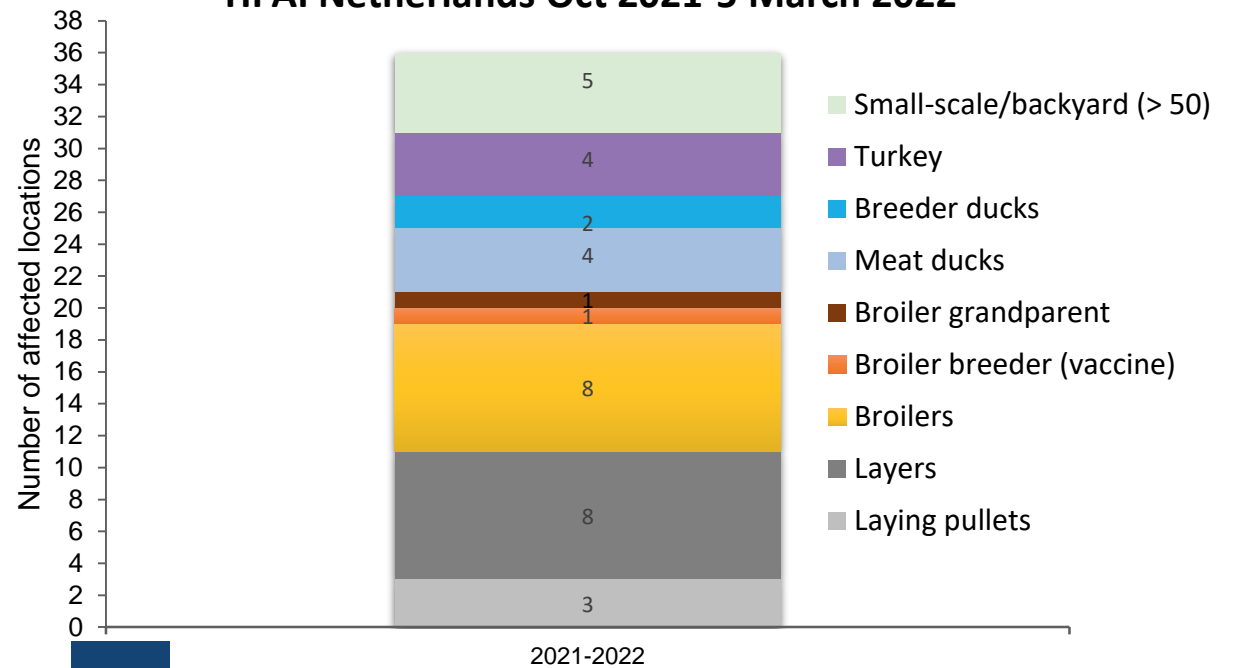


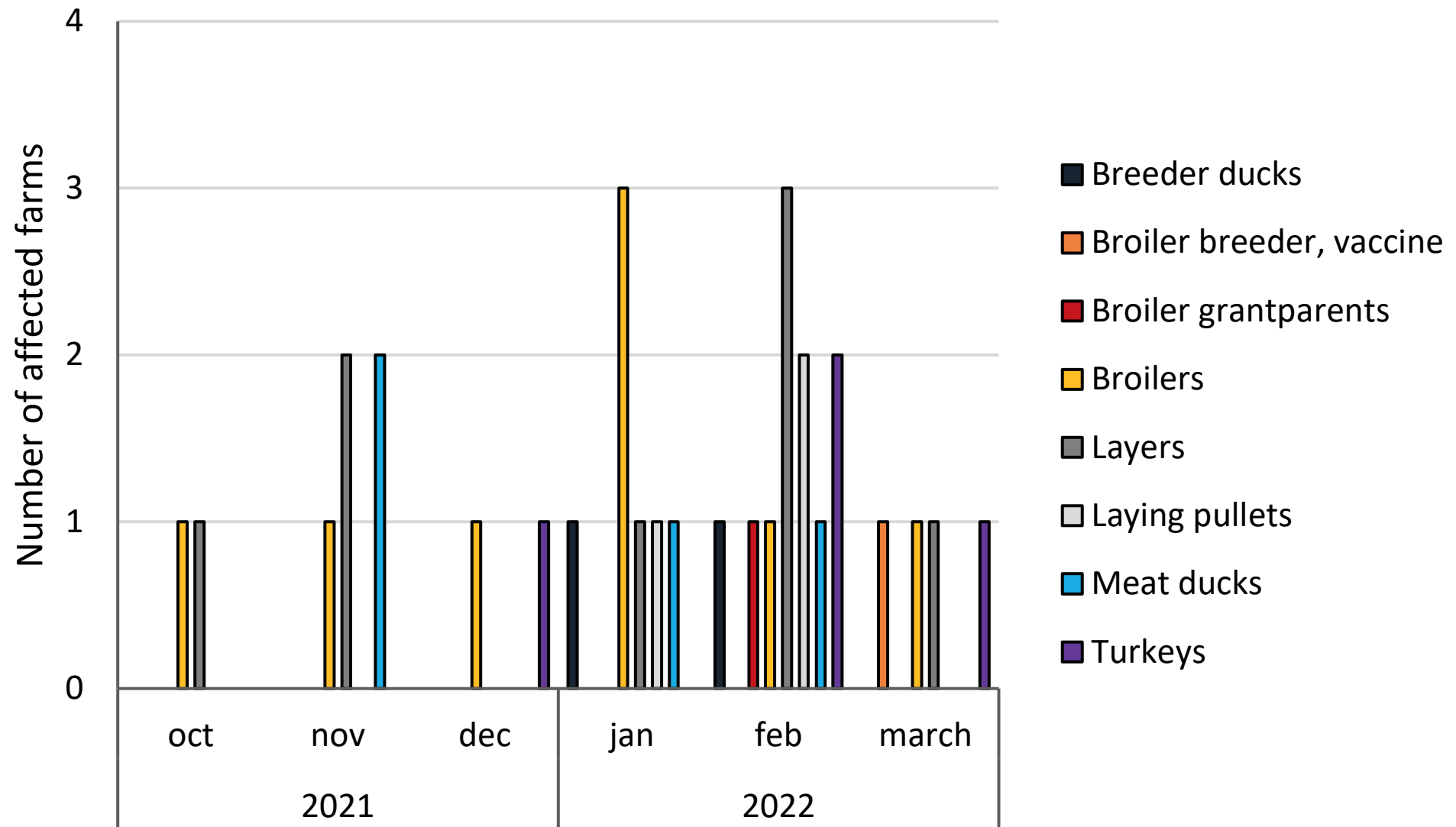
Still clustering in water-rich areas but also ← 4 outbreaks in relatively low-risk areas. Based on outbreak risks in previous years

Highly pathogenic avian influenza Netherlands 2014-2022



HPAI Netherlands Oct 2021-5 March 2022





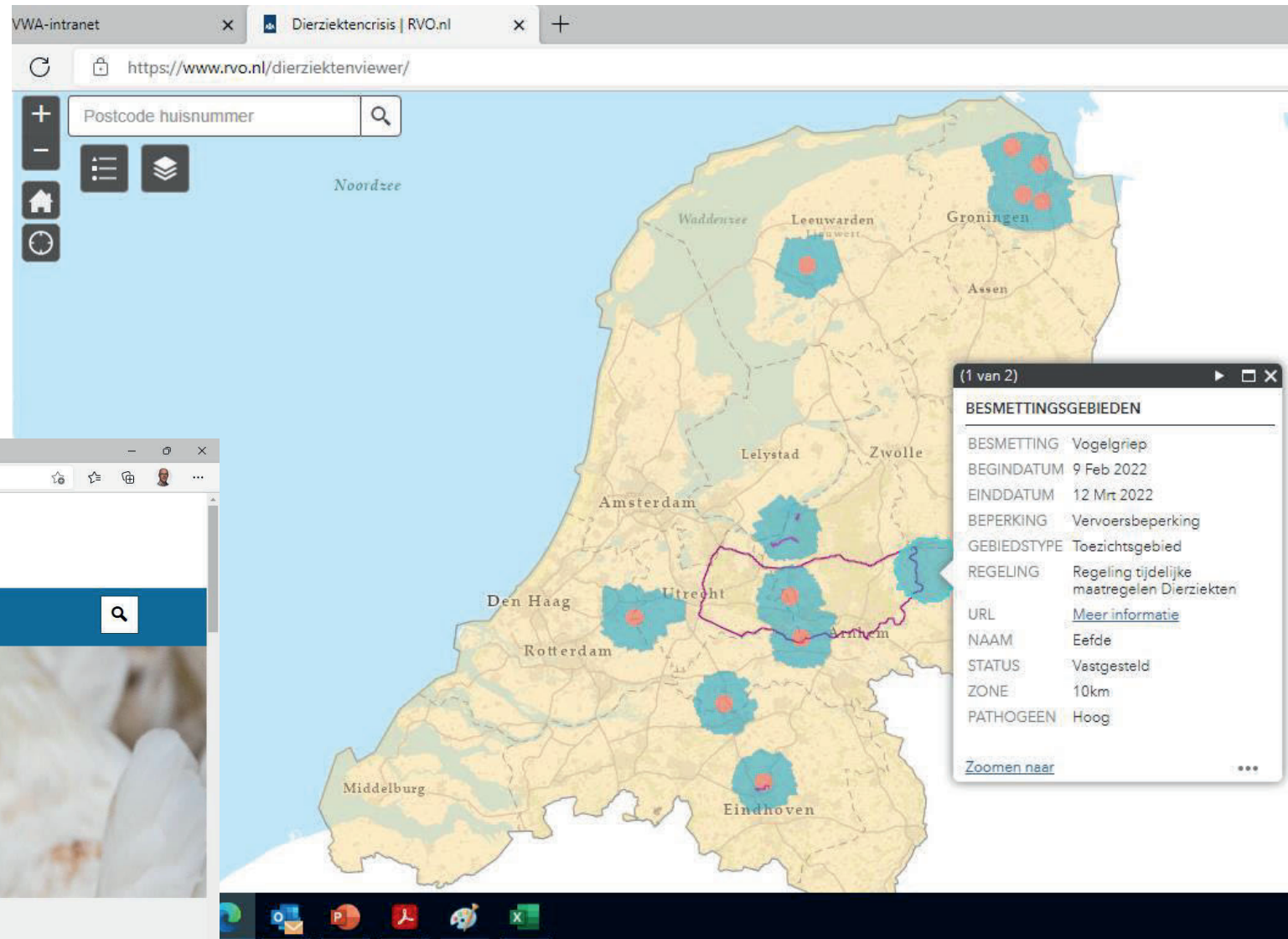


Informing the public and sector

<https://www.rvo.nl/dierziektenviewer/>

- **Buffer zone poultry dens area**
- **information pop up window**

<https://www.rijksoverheid.nl/onderwerpen/vogelgriep>



The screenshot shows the Rijksoverheid website page for Avian Influenza (Vogelgriep). The page features a search bar, a navigation menu, and a main content area with a background image of chickens. The main content area contains several questions and answers:

- Wat moet ik als pluimveehouder doen bij een uitbraak van vogelgriep vlakbij?
- Welke maatregelen gelden voor mij als pluimveehouder tijdens vogelgriep?
- Welke maatregelen gelden voor mij als particuliere vogelhouder tijdens vogelgriep?

At the bottom of the page, there are links to 'Landelijke maatregelen bij uitbraak vogelgriep', 'Besmettingen en ruiming van vogelgriep', 'Vraag en antwoord', and 'Nieuws'.



Overview

since last SCoPAFF meeting

Case	Location	Date of infection	Poultry	Stables	Date of Culling, cleaning and disinfection	# Poultry Culled	Virus
28	Woltersum I	14-2-2022	Laying hens	2	15-2-2022	53000	H5N1
29	Putten	15-2-2022	Laying hens	1	16-2-2022	77000	H5N1
30	Uithuizen	20-2-2022	Turkey	2	21-2-2022	9442	H5N1
31	Woltersum II	24-2-2022	organic rearing laying hens	2	25-2-2022	51000	H5N1
32	Scharnegoutum	25-2-2022	Hobby poultry	1	27-2-2022	122	H5N1
33	Hellum	27-2-2022	Turkey	4	28-2-2022	23714	H5N1
34	Losdorp	28-2-2022	Broilers	2	28-2-2022	37568	H5N1
35	Wageningen	1-3-2022	breeding company parent stock	1	2-3-2022	47000	H5N1
36	Son en Breugel	1-3-2022	Broilers	5	2-3-2022	160783	H5N1
37	Hedel	1-3-2022	Turkey	11	4-3-2022	65528	H5N1
38	Hekendorp	5-3-2022	Laying hens	5	7-3-2022	111021	H5N1
39	Lunteren	10-3-2022	Laying hens	2	11-3-2022	38243	H5N1



Sequencing

Similar sequences

4	Zeewolde	Meat ducks	5-11-2021
3	Zeewolde	Meat ducks	4-11-2021
2	Grootschermer	Broilers	30-10-2021
1	Zeewolde	Layers	26-10-2021

Similar sequences

Hierden	Meat ducks	4-2-2022
Hierden	Breeding ducks	3-2-2022

Recent cluster

Losdorp	Broilers	28-2-2022
Hellum	Turkeys	27-2-2022
Woltersum	Layer pullets	24-2-2022
Uithuizen	Turkeys	20-2-2022
Woltersum	Layers	14-2-2022



7e-04

group 0 bedrijven hobbyhouders wilde vogels



Additional measures during culling process

- > **During strong winds**
 - **postponement of carcass removal**
 - **If possible carcass removal in stable**
 - **Water mist above the destruction container**

All this to prevent the spread of the virus through dust as much as possible





Infected wild birds with avian influenza

Period	H5N?	H5N1	H5N8	H5Nx	Total
2021-40				2	2
2021-41				1	1
2021-43		4		6	10
2021-44		8	1	1	10
2021-45		11			11
2021-46		19		1	20
2021-47		16	1	3	20
2021-48		10		8	18
2021-49				1	1
2021-50		23		1	24
2021-51		30			30
2021-52	1	28	1		30
2022-01		7			7
2022-02		46			46
2022-03		31			31
2022-04		58		1	59
2022-05		33			33
2022-06		23		1	24
2022-07		15			15
2022-08		13			13
2022-09		5			5
Eindtotaal	1	380	3	26	410



Thank you for your
attention