

## Follow-up report No.: 4

Report reference: , OIE Ref: 5122, Report Date: 04/05/2006, Country: Denmark

### Report Summary

Disease	Highly pathogenic avian influenza	Animal type	Terrestrial
Causal Agent	Highly pathogenic avian influenza virus	Serotype(s)	H5N1
Clinical Signs	Yes	Reason	First occurrence of a listed disease
Date of confirmation of Event	14/03/2006	Date of Start of Event	12/03/2006
Date of report	04/05/2006	Diagnosis	Clinical, Laboratory (advanced)
Number of reported outbreaks	Submitted= 26, Draft= 0	Name of Sender of the report	Dr Preben Willeberg
Address	Mørkhøj Bygade 19 Søborg DK-2860	Position	Chief Veterinary Officer
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### Outbreak (other report - submitted)

Counties	Unit Type	Location	Latitude	Longitude	Start	End
FYNS AMT	Not applicable	Drejøj	54,973888	10,415833	17/03/2006	30/06/2006
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Wild species	Animals	...	1	1	0	0
Affected Population		a peregrine falcon ( <i>Falco peregrinus</i> )				

### Outbreak (other report - submitted)

Counties	Unit Type	Location	Latitude	Longitude	Start	End
NORDJYLLANDS AMT	Not applicable	Frederikssund	55,845	12,043055	16/03/2006	30/06/2006
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Wild species	Animals	...	1	1	0	0
Affected Population		a whooper swan ( <i>Cygnus cygnus</i> )				

### Outbreak (other report - submitted)

Counties	Unit Type	Location	Latitude	Longitude	Start	End
FYNS AMT	Not applicable	Ærøskøbing	54,893611	10,411388	15/03/2006	30/06/2006
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Wild species	Animals	...	9	9	0	0
Affected Population		tufted ducks ( <i>Aythya fuligula</i> )				

**Outbreak (other report - submitted)**

Counties	Unit Type	Location	Latitude	Longitude	Start	End
FYNS AMT	Not applicable	Kerteminde	55,393055	10,581666	22/05/2006	30/06/2006
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Wild species	Animals	...	1	1	0	0
<b>Affected Population</b>		a magpie ( <i>Pica pica</i> )				

**Outbreak (this report - submitted)**

Counties	Unit Type	Location	Latitude	Longitude	Start	End
SØNDERJYLLANDS AMT	Not applicable	Grasten	54,921944	9,593611	28/04/2006	30/06/2006
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Wild species	Animals	...	1	1	0	0
<b>Affected Population</b>		a great crested grebe ( <i>Podiceps cristatus</i> )				

**Outbreak (other report - submitted)**

Counties	Unit Type	Location	Latitude	Longitude	Start	End
STORSTRØMS AMT	Not applicable	Præstø	55,079444	12,122222	06/04/2006	30/06/2006
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Wild species	Animals	...	1	1	0	0
<b>Affected Population</b>		a whooper swan ( <i>Cygnus cygnus</i> )				

**Outbreak (other report - submitted)**

Counties	Unit Type	Location	Latitude	Longitude	Start	End
FREDERIKSBORG AMT	Not applicable	Skibby	55,736944	11,992222	06/04/2006	30/06/2006
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Wild species	Animals	...	1	1	0	0
<b>Affected Population</b>		a mute swan ( <i>Cygnus olor</i> )				

**Outbreak (other report - submitted)**

Counties	Unit Type	Location	Latitude	Longitude	Start	End
FYNS AMT	Not applicable	Ullerslev	55,375555	10,640555	04/04/2006	30/06/2006
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Wild species	Animals	...	1	1	0	0
<b>Affected Population</b>		a common buzzard ( <i>Buteo buteo</i> )				

**Outbreak (other report - submitted)**

Counties	Unit Type	Location	Latitude	Longitude	Start	End
FREDERIKSBORG AMT	Not applicable	Hornbæk	56,07	12,414166	04/04/2006	30/06/2006

Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Wild species	Animals	...	1	1	0	0
<b>Affected Population</b>		a common buzzard ( <i>Buteo buteo</i> )				

#### Outbreak (other report - submitted)

Counties	Unit Type	Location	Latitude	Longitude	Start	End
STORSTRØMS AMT	Not applicable	Nysted	54,667222	11,742222	01/04/2006	30/06/2006
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Wild species	Animals	...	1	1	0	0
<b>Affected Population</b>		a whooper swan ( <i>Cygnus cygnus</i> )				

#### Outbreak (other report - submitted)

Counties	Unit Type	Location	Latitude	Longitude	Start	End
FYNS AMT	Not applicable	Fåborg	55,110277	10,225	28/03/2006	30/06/2006
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Wild species	Animals	...	1	1	0	0
<b>Affected Population</b>		a common buzzard ( <i>Buteo buteo</i> )				

#### Outbreak (other report - submitted)

Counties	Unit Type	Location	Latitude	Longitude	Start	End
VESTSJÆLLANDS AMT	Not applicable	Skælskør	55,2525	11,274166	27/03/2006	30/06/2006
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Wild species	Animals	...	1	1	0	0
<b>Affected Population</b>		a tufted duck ( <i>Aythya fuligula</i> )				

#### Outbreak (other report - submitted)

Counties	Unit Type	Location	Latitude	Longitude	Start	End
BORNHOLMS AMT	Not applicable	Vang	55,250555	14,738611	26/03/2006	30/06/2006
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Wild species	Animals	...	1	1	0	0
<b>Affected Population</b>		a mute swan ( <i>Cygnus olor</i> ) near Vang				

#### Outbreak (other report - submitted)

Counties	Unit Type	Location	Latitude	Longitude	Start	End
SØNDERJYLLANDS AMT	Not applicable	Kegnæs	54,857222	9,986666	25/03/2006	30/06/2006
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Wild species	Animals	...	1	1	0	0

<b>Affected Population</b>	a tufted duck ( <i>Aythya fuligula</i> )
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#### Outbreak (other report - submitted)

Counties	Unit Type	Location	Latitude	Longitude	Start	End
SØNDERJYLLANDS AMT	Not applicable	Sønderborg	55,974166	9,765	24/03/2006	30/06/2006
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Wild species	Animals	...	1	1	0	0
<b>Affected Population</b>	a common buzzard ( <i>Buteo buteo</i> )					

#### Outbreak (other report - submitted)

Counties	Unit Type	Location	Latitude	Longitude	Start	End
STORSTRØMS AMT	Not applicable	Bandholm	54,8375	11,493333	24/03/2006	30/06/2006
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Wild species	Animals	...	1	1	0	0
<b>Affected Population</b>	a tufted duck ( <i>Aythya fuligula</i> )					

#### Outbreak (other report - submitted)

Counties	Unit Type	Location	Latitude	Longitude	Start	End
FREDERIKSBORG AMT	Not applicable	Skibby	55,9075	12,048888	22/03/2006	30/06/2006
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Wild species	Animals	...	1	1	0	0
<b>Affected Population</b>	a rough-legged buzzard ( <i>Buteo lagopus</i> ) near Skibby					

#### Outbreak (other report - submitted)

Counties	Unit Type	Location	Latitude	Longitude	Start	End
STORSTRØMS AMT	Not applicable	Stubbekøbing	54,891666	12,037777	22/03/2006	30/06/2006
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Wild species	Animals	...	1	1	0	0
<b>Affected Population</b>	a tufted duck ( <i>Aythya fuligula</i> )					

#### Outbreak (other report - submitted)

Counties	Unit Type	Location	Latitude	Longitude	Start	End
FYNS AMT	Not applicable	Fåborg	55,103055	10,246666	22/03/2006	30/06/2006
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Wild species	Animals	...	3	3	0	0
<b>Affected Population</b>	2 mute swans ( <i>Cygnus olor</i> ) and a tufted duck ( <i>Aythya fuligula</i> )					

**Outbreak (other report - submitted)**

Counties	Unit Type	Location	Latitude	Longitude	Start	End
STORSTRØMS AMT	Not applicable	Nysted	54,666111	11,730555	20/03/2006	30/06/2006
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Wild species	Animals	...	1	1	0	0
<b>Affected Population</b>		a common buzzard ( <i>Buteo buteo</i> )				

**Outbreak (other report - submitted)**

Counties	Unit Type	Location	Latitude	Longitude	Start	End
STORSTRØMS AMT	Not applicable	Guldborgsund	54,745833	11,882777	20/03/2006	30/06/2006
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Wild species	Animals	...	1	1	0	0
<b>Affected Population</b>		a tufted duck ( <i>Aythya fuligula</i> )				

**Outbreak (other report - submitted)**

Counties	Unit Type	Location	Latitude	Longitude	Start	End
STORSTRØMS AMT	Not applicable	Præstø	55,121666	12,048611	19/03/2006	30/06/2006
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Wild species	Animals	...	1	1	0	0
<b>Affected Population</b>		a tufted duck ( <i>Aythya fuligula</i> )				

**Outbreak (other report - submitted)**

Counties	Unit Type	Location	Latitude	Longitude	Start	End
FYNS AMT	Not applicable	Ærøskøbing	54,889722	10,414444	18/03/2006	30/06/2006
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Wild species	Animals	...	3	3	0	0
<b>Affected Population</b>		tufted ducks ( <i>Aythya fuligula</i> )				

**Outbreak (other report - submitted)**

Counties	Unit Type	Location	Latitude	Longitude	Start	End
FYNS AMT	Not applicable	Svendborg	55,056944	10,608611	18/03/2006	30/06/2006
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Wild species	Animals	...	1	1	0	0
<b>Affected Population</b>		a greylag goose ( <i>Anser anser</i> )				

**Outbreak (other report - submitted)**

Counties	Unit Type	Location	Latitude	Longitude	Start	End
FYNS AMT	Not applicable	Ærøskøbing 1	54,892777	10,41	15/03/2006	30/06/2006

Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Wild species	Animals	...	7	7	0	0
<b>Affected Population</b>		tufted ducks ( <i>Aythya fuligula</i> )				

### Outbreak (other report - submitted)

Counties	Unit Type	Location	Latitude	Longitude	Start	End
STORSTRØMS AMT	Not applicable	Svinø	55,117777	11,806388	12/03/2006	30/06/2006
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Wild species	Animals	...	1	1	0	0
<b>Affected Population</b>		a wild common buzzard ( <i>Buteo buteo</i> ) found dead on a beach a few kilometres south of the town of Næstved.				

### Outbreak summary: Total outbreaks = 26 (Submitted)

Species	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Wild species		44	44	0	0

### Epidemiology

#### Epidemiological comments

- The protection and surveillance zones have been established in accordance with European Union legislation (European Commission Decision 2006/115/EC). Gråsten is located within the surveillance zone established on 29 March 2006 in Southern Jutland. All poultry within the zones must be kept inside and all poultry holdings - including hobby holdings - must be registered. The Danish Veterinary and Food Administration will inspect all poultry holdings in the protection zones in order to look for possible further spread of avian influenza. Restrictions on movement of eggs and poultry have been imposed within the zones. All hunting within the zones is also prohibited.

- Several protection and surveillance zones have been lifted since the end of March. Information about removal of zones can be accessed on the Danish Veterinary and Food Administration's website.

- The latest news about avian influenza detected in wild birds in Denmark (including maps of the established protection and surveillance zones) can be accessed on the Danish Veterinary and Food Administration's website:

[http://www.uk.foedevarestyrelsen.dk/AnimalHealth/Avian\\_influenza/Latest\\_news/forside.htm](http://www.uk.foedevarestyrelsen.dk/AnimalHealth/Avian_influenza/Latest_news/forside.htm)

**Source of Infection** • Unknown or inconclusive

### Control Measures

<b>Applied</b>	• Movement control inside the country	<b>To be applied</b>	• No Planned Control Measures
	• Screening	<b>Vaccination Prohibited</b>	Yes
	• Zoning		
<b>Animals treated</b>	No		

### Country / Zone

<b>Country or zone</b>	the whole country
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## Diagnostic test results

Laboratory Type	Name of Laboratory	Species	Test Type	Date Results Provided	Result
National laboratory	Danish Institute for Food and Veterinary Research	Wild species	reverse transcription – polymerase chain reaction (RT-PCR)	02/05/2006	Positive
National laboratory	Danish Institute for Food and Veterinary Research	Wild species	virus sequencing	02/05/2006	Positive

## Future Reporting

What further reports will be submitted in relation to this event?	The event is resolved. No more reports will be submitted.
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## Outbreak map

