

## Finland - Influenza A viruses of high pathogenicity (Inf. with) (non-poultry including wild birds) (2017-) - Follow-up report 6

### GENERAL INFORMATION

COUNTRY/TERRITORY OR ZONE	ANIMAL TYPE	DISEASE CATEGORY	EVENT ID
ZONE	TERRESTRIAL	Listed disease	5119
DISEASE	CAUSAL AGENT	GENOTYPE / SEROTYPE / SUBTYPE	START DATE
Influenza A viruses of high pathogenicity (Inf. with) (non-poultry including wild birds) (2017-)	Highly pathogenic avian influenza virus	H5N1	2023/06/30
REASON FOR NOTIFICATION	DATE OF LAST OCCURRENCE	CONFIRMATION DATE	EVENT STATUS
Unusual host species	-	2023/07/13	On-going
END DATE	SELF-DECLARATION		
-	NO		

### REPORT INFORMATION

REPORT NUMBER	REPORT ID	REPORT REFERENCE	REPORT DATE
Follow-up report 6	FUR_162460	-	2023/08/24
REPORT STATUS	NO EVOLUTION REPORT		
Validated	-		

### EPIDEMIOLOGY

#### SOURCE OF EVENT OR ORIGIN OF INFECTION

- Unknown or inconclusive

#### EPIDEMIOLOGICAL COMMENTS

Note: previously published precise location data of the outbreaks was changed to approximate in follow-up report 3 to insure privacy of the farmers. Update on 24.8.2023: Several HPAI H5N1 outbreaks on fur farms raising arctic foxes, silver foxes, American minks and raccoon dogs have been detected. Wild birds are currently considered the most likely source of the infection, based on epidemiological investigations and sequencing of the viruses. The competent authority has imposed restrictive orders on infected fur animal farms. All minks from the infected farms are culled. Other fur animals from infected farms are culled based on the decisions that are made on a case-by-case basis and do not necessarily apply to all animals on the farm. In addition, samples are taken from infected farms to monitor the course of the epidemic. If the virus is detected, the culling will continue. Veterinary authorities are working in tight collaboration with the public health authority. Improved biosecurity measures and use of personal protection equipment on fur farms are encouraged.

### QUANTITATIVE DATA SUMMARY

#### MEASURING UNIT

## Animal

Species		Susceptible	Cases	Deaths	Killed and Disposed of	Slaughtered/ Killed for commercial use	Vaccinated
american mink (wild)	NEW	10000	0	0	-	0	0
	TOTAL	28900	17	17	-	0	0
raccoon dog (wild)	NEW	-	-	-	-	-	-
	TOTAL	4200	4	4	-	-	-
arctic fox (wild)	NEW	16200	1	1	-	0	0
	TOTAL	173043	75	75	-	0	0
red fox (wild)	NEW	120	-	-	-	-	-
	TOTAL	13640	10	10	-	-	-
all species	NEW	26320	1	1	-	0	0
	TOTAL	219783	106	106	-	0	0

## DIAGNOSTIC DETAILS

## CLINICAL SIGNS

YES

## METHOD OF DIAGNOSTIC

Diagnostic test

Test name	Laboratory	Species sampled	Number of outbreaks sampled	First result date	Latest result date	Result
Gene sequencing	Finnish Food Authority	Raccoon dog, Arctic Fox, Red Fox, American Mink	25	2023/07/13	2023/08/10	Positive
Real-time reverse transcription polymerase chain reaction (rRT-PCR)	Finnish Food Authority	Arctic Fox, Red Fox, Raccoon dog, American Mink	25	2023/07/12	2023/08/09	Positive
Reverse transcription- polymerase chain reaction (RT-PCR)	Finnish Food Authority	American Mink, Arctic Fox, Red Fox, Raccoon dog	24	2023/07/12	2023/08/09	Positive

## CONTROL MEASURES

## CONTROL MEASURES AT EVENT LEVEL

## DOMESTIC ANIMALS

## WILD ANIMALS

Movement control	Applied
Screening	Applied
Traceability	Applied
Selective killing and disposal	Applied
Quarantine	Applied
Disinfection	Applied
Official destruction of animal products	Applied
Official disposal of carcasses, by-products and waste	Applied

## NEW OUTBREAKS

OB\_124320 - 25 - KAUHAVA

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
25	2023/07/21	-	-
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
Länsi- ja Sisä-Suomen aluehallintovirasto	Etelä-Pohjanmaa	Kauhava	Farm
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
Kauhava	63.09985 , 23.0706 (Approximate location)	-	Animal

#### AFFECTED POPULATION DESCRIPTION

-

Species (latin name)	Wildlife type	Susceptible	Cases	Deaths	Killed and Disposed of	Slaughtered/ Killed for commercial use	Vaccinated
american mink (wild) captive	NEW	10000	0	0	-	0	0
	TOTAL	10000	0	0	-	0	0
arctic fox (wild) captive	NEW	10800	1	1	-	0	0
	TOTAL	10800	1	1	-	0	0

#### METHOD OF DIAGNOSTIC

-

#### CONTROL MEASURES DIFFERENT FROM EVENT LEVEL

MEASURES NOT IMPLEMENTED

ADDITIONAL MEASURES

-

-

UPDATED OUTBREAKS

OB\_122628 - 10 - EVIJÄRVI

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
10	2023/07/17	-	-
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
Länsi- ja Sisä-Suomen aluehallintovirasto	Etelä-Pohjanmaa	Evijärvi	Farm
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
Evijärvi	63.36553 , 23.47788 (Approximate location)	-	Animal

#### AFFECTED POPULATION DESCRIPTION

Note: the correct number of susceptible animals is 2600.

Species (latin name)	Wildlife type	Susceptible	Cases	Deaths	Killed and Disposed of	Slaughtered/ Killed for commercial use	Vaccinated
raccoon dog (wild) captive	NEW	-	-	-	-	-	-
	TOTAL	1600	1	1	-	-	-
red fox (wild)	NEW	-	-	-	-	-	-

captive	TOTAL	2600	2	2	-	-	-
---------	-------	------	---	---	---	---	---

METHOD OF DIAGNOSTIC

-

CONTROL MEASURES DIFFERENT FROM EVENT LEVEL

MEASURES NOT IMPLEMENTED	ADDITIONAL MEASURES
--------------------------	---------------------

-	-
---	---

OB\_123512 - 24 - KAUSTINEN

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
24	2023/07/26	-	-
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
Länsi- ja Sisä-Suomen aluehallintovirasto	Keski-Pohjanmaa	Kaustinen	Farm
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
Kaustinen	63.54954 , 23.69802 (Approximate location)	-	Animal

AFFECTED POPULATION DESCRIPTION

Note: the beginning of signs (outbreak start date) was corrected during epidemiological investigation, the date was changed to an earlier one in follow-up 6.

Species (latin name)	Wildlife type	Susceptible	Cases	Deaths	Killed and Disposed of	Slaughtered/ Killed for commercial use	Vaccinated
arctic fox (wild)	NEW	-	-	-	-	-	-
captive	TOTAL	-	7	7	-	-	-

METHOD OF DIAGNOSTIC

-

CONTROL MEASURES DIFFERENT FROM EVENT LEVEL

MEASURES NOT IMPLEMENTED	ADDITIONAL MEASURES
--------------------------	---------------------

-	-
---	---

OB\_123093 - 21 - VÖYRI

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
21	2023/07/19	-	-
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
Länsi- ja Sisä-Suomen aluehallintovirasto	Pohjanmaa	Vöyri	Farm
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
Vöyri	63.12885 , 22.25225 (Approximate location)	-	Animal

AFFECTED POPULATION DESCRIPTION

Note: the beginning of signs (outbreak start date) was corrected during epidemiological investigation, the date was changed to an earlier one in follow-up 6.

Species (latin name)	Wildlife type	Susceptible	Cases	Deaths	Killed and Disposed of	Slaughtered/ Killed for commercial use	Vaccinated
arctic fox (wild)	NEW	-	-	-	-	-	-

captive	TOTAL	25000	6	6	-	-	-
---------	-------	-------	---	---	---	---	---

METHOD OF DIAGNOSTIC

-

CONTROL MEASURES DIFFERENT FROM EVENT LEVEL

MEASURES NOT IMPLEMENTED	ADDITIONAL MEASURES
--------------------------	---------------------

-	-
---	---

OB\_122640 - 17 - KAUSTINEN

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
17	2023/07/19	-	-
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
Länsi- ja Sisä-Suomen aluehallintovirasto	Keski-Pohjanmaa	Kaustinen	Farm
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
Kaustinen	63.54954 , 23.69802 (Approximate location)	-	Animal

AFFECTED POPULATION DESCRIPTION

Note: previously reported red fox species were deleted in follow-up report 6. Note: the beginning of signs (outbreak start date) was corrected during epidemiological investigation, the date was changed to an earlier one in follow-up 6.

Species (latin name)	Wildlife type	Susceptible	Cases	Deaths	Killed and Disposed of	Slaughtered/ Killed for commercial use	Vaccinated
arctic fox (wild)	NEW	-	-	-	-	-	-
captive	TOTAL	2000	1	1	-	-	-

METHOD OF DIAGNOSTIC

-

CONTROL MEASURES DIFFERENT FROM EVENT LEVEL

MEASURES NOT IMPLEMENTED	ADDITIONAL MEASURES
--------------------------	---------------------

-	-
---	---

OB\_122631 - 12 - KAUSTINEN

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
12	2023/07/15	-	-
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
Länsi- ja Sisä-Suomen aluehallintovirasto	Keski-Pohjanmaa	Kaustinen	Farm
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
Kaustinen	63.54954 , 23.69802 (Approximate location)	-	Animal

AFFECTED POPULATION DESCRIPTION

Note: previously incorrectly reported red fox species were deleted in follow-up report 6. Note: the beginning of signs (outbreak start date) was corrected during epidemiological investigation, the date was changed to an earlier one in follow-up 6.

Species (latin name)	Wildlife type	Susceptible	Cases	Deaths	Killed and Disposed of	Slaughtered/ Killed for commercial use	Vaccinated
arctic fox (wild)	NEW	-	-	-	-	-	-

captive	TOTAL	620	4	4	-	-	-
---------	-------	-----	---	---	---	---	---

METHOD OF DIAGNOSTIC

-

CONTROL MEASURES DIFFERENT FROM EVENT LEVEL

MEASURES NOT IMPLEMENTED	ADDITIONAL MEASURES
--------------------------	---------------------

-	-
---	---

OB\_122629 - 15 - KAUSTINEN

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
15	2023/07/13	-	-
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
Länsi- ja Sisä-Suomen aluehallintovirasto	Keski-Pohjanmaa	Kaustinen	Farm
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
Kaustinen	63.54954 , 23.69802 (Approximate location)	-	Animal

AFFECTED POPULATION DESCRIPTION

Note: the beginning of signs (outbreak start date) was corrected during epidemiological investigation, the date was changed to an earlier one in follow-up 6.

Species (latin name)	Wildlife type	Susceptible	Cases	Deaths	Killed and Disposed of	Slaughtered/ Killed for commercial use	Vaccinated
american mink	NEW	-	-	-	-	-	-
(wild) captive	TOTAL	3900	4	4	-	-	-

METHOD OF DIAGNOSTIC

-

CONTROL MEASURES DIFFERENT FROM EVENT LEVEL

MEASURES NOT IMPLEMENTED	ADDITIONAL MEASURES
--------------------------	---------------------

-	-
---	---

OB\_122110 - 5 - KAUHAVA

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
5	2023/06/30	-	-
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
Länsi- ja Sisä-Suomen aluehallintovirasto	Etelä-Pohjanmaa	Kauhava	Farm
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
Kauhava	63.09985 , 23.0706 (Approximate location)	-	Animal

AFFECTED POPULATION DESCRIPTION

Note: the beginning of signs (outbreak start date) was corrected during epidemiological investigation, the date was changed to an earlier one in follow-up 6.

Species (latin name)	Wildlife type	Susceptible	Cases	Deaths	Killed and Disposed of	Slaughtered/ Killed for commercial use	Vaccinated
american mink	NEW	-	-	-	-	-	-

(wild) captive	TOTAL	15000	13	13	-	-	-
arctic fox (wild)	NEW	-	-	-	-	-	-
captive	TOTAL	17500	6	6	-	-	-

METHOD OF DIAGNOSTIC

-

CONTROL MEASURES DIFFERENT FROM EVENT LEVEL

MEASURES NOT IMPLEMENTED	ADDITIONAL MEASURES
-	-
OB_122632 - 13 - KAUHAVA	

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
13	2023/07/19	-	-
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
Länsi- ja Sisä-Suomen aluehallintovirasto	Etelä-Pohjanmaa	Kauhava	Farm
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
Kauhava	63.09985 , 23.0706 (Approximate location)	-	Animal

AFFECTED POPULATION DESCRIPTION

Note: previously reported red fox species were deleted in follow-up report 6.

Species (latin name)	Wildlife type	Susceptible	Cases	Deaths	Killed and Disposed of	Slaughtered/ Killed for commercial use	Vaccinated
arctic fox (wild)	NEW	-	-	-	-	-	-
captive	TOTAL	13800	4	4	-	-	-

METHOD OF DIAGNOSTIC

-

CONTROL MEASURES DIFFERENT FROM EVENT LEVEL

MEASURES NOT IMPLEMENTED	ADDITIONAL MEASURES
-	-
OB_122136 - 6 - KAUSTINEN	

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
6	2023/07/14	-	-
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
Länsi- ja Sisä-Suomen aluehallintovirasto	Keski-Pohjanmaa	Kaustinen	Farm
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
Kaustinen	63.54954 , 23.69802 (Approximate location)	-	Animal

AFFECTED POPULATION DESCRIPTION

-

Species (latin name)	Wildlife type	Susceptible	Cases	Deaths	Killed and Disposed of	Slaughtered/ Killed for commercial use	Vaccinated
----------------------	---------------	-------------	-------	--------	------------------------	--	------------

arctic fox (wild)	NEW	400	-	-	-	-	-
captive	TOTAL	1600	3	3	-	-	-

METHOD OF DIAGNOSTIC

-

CONTROL MEASURES DIFFERENT FROM EVENT LEVEL

MEASURES NOT IMPLEMENTED	ADDITIONAL MEASURES
--------------------------	---------------------

-

OB_122638 - 14 - KAUSTINEN
----------------------------

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
14	2023/07/19	-	-
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
Länsi- ja Sisä-Suomen aluehallintovirasto	Keski-Pohjanmaa	Kaustinen	Farm
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
Kaustinen	63.54954 , 23.69802 (Approximate location)	-	Animal

AFFECTED POPULATION DESCRIPTION

-

Species (latin name)	Wildlife type	Susceptible	Cases	Deaths	Killed and Disposed of	Slaughtered/ Killed for commercial use	Vaccinated
arctic fox (wild)	NEW	-	-	-	-	-	-
captive	TOTAL	-	2	2	-	-	-
red fox (wild)	NEW	120	-	-	-	-	-
captive	TOTAL	940	1	1	-	-	-

METHOD OF DIAGNOSTIC

-

CONTROL MEASURES DIFFERENT FROM EVENT LEVEL

MEASURES NOT IMPLEMENTED	ADDITIONAL MEASURES
--------------------------	---------------------

-

OB_122128 - 3 - HALSUA
------------------------

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
3	2023/07/03	-	-
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
Länsi- ja Sisä-Suomen aluehallintovirasto	Keski-Pohjanmaa	Halsua	Farm
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
Halsua	63.45978 , 24.17352 (Approximate location)	-	Animal

AFFECTED POPULATION DESCRIPTION

-

Species (latin	Wildlife	Susceptible	Cases	Deaths	Killed and	Slaughtered/ Killed for	Vaccinated
----------------	----------	-------------	-------	--------	------------	-------------------------	------------



name)		type			Disposed of		commercial use	
arctic fox (wild)		NEW	5000	-	-	-	-	-
captive		TOTAL	25000	5	5	-	-	-
METHOD OF DIAGNOSTIC								
-								
CONTROL MEASURES DIFFERENT FROM EVENT LEVEL								
MEASURES NOT IMPLEMENTED					ADDITIONAL MEASURES			
-					-			