

Follow-up report No.1

Report reference: , Reference OIE : 16810, Report Date : 19/12/2014, Country : United States of America

Report Summary

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Animal type	Terrestrial	Date of report	19/12/2014
Disease	Highly pathogenic avian influenza	Date of start of the event	10/12/2014
Causal Agent	Highly pathogenic avian influenza virus	Date of pre-confirmation of the event	14/12/2014
Serotype(s)	H5N8	Date of last occurrence	2004
Reason	Reoccurrence of a listed disease	Diagnosis	Laboratory (advanced)
Country or zone	a zone or compartment	Clinical signs	Yes
Number of reported outbreaks	submitted= 2, Draft= 0		

Outbreak details

State	Number of outbreaks	County		Unit Type	Location	Latitude	Longitude	Start Date	End Date:
WASHINGTON-other report - submitted	-	Whatcom		Not applicable	Whatcom County	48.98	-122.47	10/12/2014	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Gyr Falcon:Falconidae(Falco rusticolus)	Animals			
Affected Population	Captive wild gyrfalcon								

State	Number of outbreaks	County		Unit Type	Location	Latitude	Longitude	Start Date	End Date:
OREGON- (this report - submitted)	-	Douglas		Backyard	Douglas County	43.12	-123.41	16/12/2014	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	130	28	28	0	0			
Affected Population	The affected premises are a small backyard mixed flock of guinea fowl, chickens, ducks, and geese that are allowed access to the outdoors and regularly exposed to wild migratory waterfowl. The affected backyard flock was placed under quarantine.								

Outbreak summary: Total outbreaks = 2 (Submitted)

Species	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Gyr Falcon					
Birds	130	28	28	0	0

Epidemiology

Epidemiological comments

The USDA Animal and Plant Health Inspection Services (APHIS) and the Oregon Department of Agriculture (ODA) are conducting a comprehensive investigation of this outbreak.

The USDA APHIS National Veterinary Services Laboratory (NVSL) confirmed avian influenza virus (AIV) H5N8 via sequencing directly from swab samples. Preliminary results indicate the HA sequence is 99.3% similar to A/bean goose/Korea/H40/2014 (H5N8 HPAI) based on a partial fragment of the HA gene. The neuraminidase sequence is 99.7% similar to A/Baikal teal/Korea/H80/2014 (H5N8) based on a partial fragment of the NA gene. The amino acid sequence at the hemagglutinin cleavage site is consistent with highly pathogenic avian influenza (HPAI). Whole genome sequencing is in progress.

Enhanced surveillance by the USDA APHIS and ODA is being initiated.

The H5N8 highly pathogenic avian influenza (HPAI) in Oregon is limited to a small backyard poultry premises only and does not involve commercial poultry.

Source of the outbreak(s) or origin of infection

- Contact with wild species

Measures applied

Applied	To be applied
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Applied	To be applied
• quarantine	• stamping out • disinfection of infected premises/establishment(s)
Animals treated	Vaccination Prohibited
No	Yes

Diagnostic test results

Laboratory Type	Name of Laboratory	Species	Test Type	Date Results Provided	Result
National laboratory	National Veterinary Services Laboratories	Birds	real-time reverse transcriptase/polymerase chain reaction (RRT-PCR)	18/12/2014	Positive
National laboratory	National Veterinary Services Laboratories	Birds	virus sequencing	18/12/2014	Positive

Future Reporting

The event is continuing. Weekly follow-up reports will be submitted.

Outbreak maps

