

Follow-up report No.3

Report reference: , Reference OIE : 17030, Report Date : 22/01/2015, Country : United States of America

Report Summary

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Animal type	Terrestrial	Date of report	22/01/2015
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	15/12/2014
Serotype(s)	H5N2	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= 5, 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	48.9	-122.48	15/12/2014	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Northern Pintail: Anatidae(Anas acuta)	Animals	...	...	...	...	...
Affected Population	Wild pintail ducks								

State	Number of outbreaks	County		Unit Type	Location	Latitude	Longitude	Start Date	End Date:
WASHINGTON-other report - submitted	-	Benton		Backyard	Benton County	46.283	-119.521	24/12/2014	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	253	37	37	216	0			
Affected Population	The affected premises is a small backyard mixed free-range flock of geese, turkeys, chickens, ducks, and pigeons that are allowed access to the outdoors and regularly exposed to wild migratory waterfowl. The affected premises also includes a related epidemiology linked backyard flock that received birds (ducks) from the index flock.								

State	Number of outbreaks	County		Unit Type	Location	Latitude	Longitude	Start Date	End Date:
IDAHO- (this report - submitted)	-	Canyon		Backyard	Canyon County	43.615	-116.683	07/01/2015	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	26	4	4	...	...	
Affected Population	The affected premises are a small backyard poultry flock of chickens and two ducks which are periodically allowed to range freely.								

State	Number of outbreaks	County		Unit Type	Location	Latitude	Longitude	Start Date	End Date:
WASHINGTON- (this report - submitted)	-	Clallam		Backyard	Clallam County	48.102	-123.28	08/01/2015	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	100	3	3	97	...			
Affected Population	The affected premises are a small mixed free-range backyard flock of geese, ducks, and chickens that are allowed access to the outdoors and regularly exposed to wild migratory waterfowl.								

State	Number of outbreaks	County		Unit Type	Location	Latitude	Longitude	Start Date	End Date:

State	Number of outbreaks	County	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
OREGON- (this report - submitted)	-	Lane		Not applicable	Lane County	44.049	-123.28	12/01/2015
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Mallard:Anatidae(Anas platyrhynchos)	Animals	...	...	...	...	...
Affected Population	Hunter harvested wild mallard duck.							

Outbreak summary: Total outbreaks = 5 (Submitted)

Species	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Northern Pintail					
Birds	379	44	44	313	0
Mallard					

Epidemiology

Epidemiological comments

The USDA Animal and Plant Health Inspection Service (APHIS), in conjunction with State Departments of Agriculture and Wildlife, are continuing to conduct a comprehensive epidemiological investigation and enhanced surveillance (including wild bird surveillance of hunter harvested birds) in response to the HPAI H5N2 wild bird related event. All backyard premises have been quarantined and enhanced active surveillance is being initiated in and around the backyard flocks

Novel avian influenza virus of Eurasian origin (EA-H5N8 clade 2.3.4.4) spread rapidly along wild bird migratory pathways during 2014. Introduction of this EA-H5N8 virus into the Pacific Flyway sometime during 2014 has allowed mixing with North American (AM) lineage viruses and generated new combinations with genes from both EA and AM origin (or "reassortant" viruses) such as this EA/AM H5N2-reassortant detected in Canada and the US. These findings are not unexpected as the EA-H5N8 virus continues to circulate. The EA-H5 clade 2.3.4.4 viruses are highly pathogenic for poultry.

The HPAI EA/AM H5N2-reassortant virus has NOT been found in commercial poultry anywhere in the United States.

Source of the outbreak(s) or origin of infection

- Contact with wild species

Measures applied

Applied	To be applied
<ul style="list-style-type: none"> • stamping out • quarantine • movement control inside the country • disinfection of infected premises/establishment(s) 	<ul style="list-style-type: none"> • no planned control measures
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 Laboratory (NVSL)	Birds	virus sequencing	16/01/2015	Positive
National laboratory	National Veterinary Services Laboratory (NVSL)	Birds	real-time reverse transcriptase/polymerase chain reaction (RRT-PCR)	16/01/2015	Positive
National laboratory	National Veterinary Services Laboratories (NVSL)	Mallard	real-time reverse transcriptase/polymerase chain reaction (RRT-PCR)	12/01/2015	Positive
National laboratory	National Veterinary Services Laboratories (NVSL)	Mallard	virus sequencing	12/01/2015	Positive

Future Reporting

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

Outbreak maps

