

Follow-up report No.2

Report reference: , Reference OIE : 23279, Report Date : 17/03/2017, Country : United States of America

Report Summary

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	Fort Collins, Colorado 80526-8117 Fort Collins 80526-8117	Date submitted to OIE	17/03/2017

Animal type	Terrestrial	Date of report	17/03/2017
Disease	Highly pathogenic avian influenza	Date of start of the event	01/03/2017
Causal Agent	Highly pathogenic avian influenza virus	Date of confirmation of the event	04/03/2017
Serotype(s)	H7N9	Date of last occurrence	2016
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:
TENNESSEE-other report - submitted	-	Lincoln		Farm	Lincoln County	35.132	-86.567	01/03/2017	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	74000	...	700	73300	0			
Affected Population	Commercial chicken broiler-breeder flock								

State	Number of outbreaks	County		Unit Type	Location	Latitude	Longitude	Start Date	End Date:
TENNESSEE- (this report - submitted)	-	Lincoln		Farm	Lincoln County	35.07	-86.653	13/03/2017	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	55000	...	344	30000	0			
Affected Population	Commercial chicken broiler-breeder flock								

Outbreak summary: Total outbreaks = 2 (Submitted)

Species	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Birds	129000		1044	103300	0

Epidemiology

Epidemiological comments

The USDA Animal and Plant Health Inspection Service (APHIS), in conjunction with the Tennessee Department of Agriculture, are continuing to respond to the identification of a highly pathogenic avian influenza (HPAI) H7N9 in commercial breeder flocks in Lincoln County, Tennessee. This H7N9 strain is of North American wild bird lineage. This is NOT the same as the China H7N9 lineage that has impacted poultry and infected humans in Asia. Although the subtypes are the same (H7N9) the virus detected in the United States is a very different virus, genetically distinct from the China H7N9 lineage.

A comprehensive epidemiological investigation in the surrounding area is continuing and enhanced surveillance and testing is ongoing. Surveillance samples from a premises located within the infection zone (3 kilometers) confirmed a second outbreak of the same North American strain of avian influenza HPAI H7N9.

State officials have quarantined the affected premises and implemented movement controls. Depopulation of birds on the second premises has begun.

Source of the outbreak(s) or origin of infection

• Unknown or inconclusive

Measures applied

Applied	To be applied

Applied	To be applied
<ul style="list-style-type: none"> • movement control inside the country • quarantine • surveillance outside containment and/or protection zone • stamping out • official disposal of carcasses, by-products and waste • surveillance within containment and/or protection zone • zoning 	<ul style="list-style-type: none"> • disinfection / disinfestation
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 (NVSL)	Birds	virus isolation		Pending
National laboratory	National Veterinary Services Laboratories (NVSL)	Birds	virus sequencing	15/03/2017	Positive
National laboratory	National Veterinary Services Laboratories (NVSL)	Birds	virus isolation		Pending

Future Reporting

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

Outbreak maps

