

### Immediate notification report

Report reference: REF OIE 19561, Report Date: 19/01/2016, Country : United States of America

#### Report Summary

<b>Name of sender of the report</b>	Dr John Clifford	<b>Telephone</b>	(1-202) 799-7146
<b>Position</b>	Deputy Administrator	<b>Fax</b>	(1-202) 799-7146
<b>Address</b>	Room # 317-E	<b>Email</b>	John.Clifford@aphis.usda.gov
	Jamie L. Whitten Federal Building 1400 Independence Ave, SW Washington, DC 20250 Washington 20250	<b>Date submitted to OIE</b>	19/01/2016

<b>Animal type</b>	Terrestrial	<b>Date of report</b>	19/01/2016
<b>Disease</b>	Low pathogenic avian influenza (poultry)	<b>Date of start of the event</b>	16/01/2016
<b>Causal Agent</b>	Low pathogenic avian influenza virus	<b>Date of confirmation of the event</b>	16/01/2016
<b>Serotype(s)</b>	H7N8	<b>Date of last occurrence</b>	2015
<b>Reason</b>	Reoccurrence of a listed disease	<b>Diagnosis</b>	Laboratory (advanced)
<b>Country or zone</b>	a zone or compartment	<b>Clinical signs</b>	No
<b>Number of reported outbreaks</b>	submitted= 8, Draft= 0		

#### Outbreak details

State	Number of outbreaks	County	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
INDIANA- (this report - submitted)	-	Dubois	Farm	Dubois County 9	38.349	-86.78	16/01/2016	
<b>Species</b>	<b>Measuring units</b>	<b>Susceptible</b>	<b>Cases</b>	<b>Deaths</b>	<b>Destroyed</b>	<b>Slaughtered</b>		
Birds	Animals	16700	...	...	16700	0		
Affected Population	A commercial turkey flock.							

State	Number of outbreaks	County	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
INDIANA- (this report - submitted)	-	Dubois	Farm	Dubois County 7	38.378	-86.836	16/01/2016	
<b>Species</b>	<b>Measuring units</b>	<b>Susceptible</b>	<b>Cases</b>	<b>Deaths</b>	<b>Destroyed</b>	<b>Slaughtered</b>		
Birds	Animals	11705	...	...	...	...		
Affected Population	A commercial turkey flock.							

State	Number of outbreaks	County	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
INDIANA- (this report - submitted)	-	Dubois	Farm	Dubois County 4	38.377	-86.929	16/01/2016	
<b>Species</b>	<b>Measuring units</b>	<b>Susceptible</b>	<b>Cases</b>	<b>Deaths</b>	<b>Destroyed</b>	<b>Slaughtered</b>		
Birds	Animals	12000	...	...	12000	0		
Affected Population	A commercial turkey flock.							

State	Number of outbreaks	County	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
INDIANA- (this report - submitted)	-	Dubois	Farm	Dubois County 3	38.354	-86.938	16/01/2016	
<b>Species</b>	<b>Measuring units</b>	<b>Susceptible</b>	<b>Cases</b>	<b>Deaths</b>	<b>Destroyed</b>	<b>Slaughtered</b>		
Birds	Animals	29000	...	...	29000	0		
Affected Population	A commercial turkey flock.							

State	Number of outbreaks	County	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
INDIANA- (this report - submitted)	-	Dubois	Farm	Dubois County 8	38.316	-86.793	16/01/2016	
<b>Species</b>	<b>Measuring units</b>	<b>Susceptible</b>	<b>Cases</b>	<b>Deaths</b>	<b>Destroyed</b>	<b>Slaughtered</b>		
Birds	Animals	37000	...	...	37000	0		

State	Number of outbreaks	County		Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Affected Population	A commercial turkey flock.								

State	Number of outbreaks	County		Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
INDIANA- (this report - submitted)	-	Dubois		Farm	Dubois County 10	38.292	-86.818	16/01/2016	
Birds	Animals	6000	...	...	6000	0			
Affected Population	A commercial turkey flock.								

State	Number of outbreaks	County		Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
INDIANA- (this report - submitted)	-	Dubois		Farm	Dubois County 2	38.336	-86.905	16/01/2016	
Birds	Animals	21000	...	...	21000	0			
Affected Population	A commercial turkey flock.								

State	Number of outbreaks	County		Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
INDIANA- (this report - submitted)	-	Dubois		Farm	Dubois County 5	38.404	-86.883	16/01/2016	
Birds	Animals	22000	...	...	22000	0			
Affected Population	A commercial turkey flock.								

#### Outbreak summary: Total outbreaks = 8 (Submitted)

Species	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Birds	155405			143700	0

#### Epidemiology

##### Epidemiological comments

As part of existing avian influenza response plans, the USDA Animal and Plant Health Inspection Service (APHIS) in conjunction with the Indiana State Board of Animal Health, are conducting a comprehensive epidemiological investigation and enhanced surveillance and testing in the Indiana HPAI H7N8 control area. Enhanced surveillance in the control area for the HPAI H7N8 Indiana event identified low pathogenic avian influenza (LPAI) H7N8 in 8 turkey flocks. The partial sequences of the LPAI and HPAI H7N8 viruses are nearly identical except for the HA gene insertion which imparts high pathogenicity to the HPAI virus. While the detection of AI in these additional flocks was of low pathogenicity, and the turkeys in these flocks were clinically healthy, this virus has a potential to mutate to HPAI, and, therefore, appropriate sanitary measures are being implemented to mitigate the risk.

State officials have quarantined the affected premises and implemented movement controls. Depopulation of birds on the premises is under way.

##### Source of the outbreak(s) or origin of infection

- Unknown or inconclusive

#### Measures applied

Applied	To be applied
<ul style="list-style-type: none"> <li>• stamping out</li> <li>• quarantine</li> <li>• movement control inside the country</li> <li>• zoning</li> <li>• surveillance outside containment and/or protection zone</li> <li>• surveillance within containment and/or protection zone</li> </ul>	<ul style="list-style-type: none"> <li>• disinfection / disinfestation</li> <li>• official disposal of carcasses, by-products and waste</li> </ul>
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

Laboratory Type	Name of Laboratory	Species	Test Type	Date results provided	Result
National laboratory	National Veterinary Services Laboratories (NVSL)	Birds	virus sequencing	16/01/2016	Positive
National laboratory	National Veterinary Services Laboratories (NVSL)	Birds	real-time reverse transcriptase/polymerase chain reaction (RRT-PCR)	16/01/2016	Positive

### Future Reporting

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

## Outbreak maps

