

## Immediate notification report

Report reference: REF OIE 12839, Report Date: 08/01/2013, Country : Mexico

### Report Summary

<b>Name of sender of the report</b>	Dr Hugo Fragoso Sánchez	<b>Telephone</b>	+52 55 59 05 10 07
<b>Position</b>	Director general de salud animal	<b>Fax</b>	
<b>Address</b>	Avenida Cuauhtemoc No 1230-Piso 9	<b>Email</b>	hugo.fragoso@senasica.gob.mx
	Colonia Santa Cruz Atoyac Delegación Benito Juárez 03310 Mexico 03310	<b>Date submitted to OIE</b>	09/01/2013

<b>Animal type</b>	Terrestrial	<b>Date of report</b>	08/01/2013
<b>Disease</b>	Highly pathogenic avian influenza	<b>Date of start of the event</b>	03/01/2013
<b>Causal Agent</b>	Highly pathogenic avian influenza virus	<b>Date of pre-confirmation of the event</b>	07/01/2013
<b>Serotype(s)</b>	H7N3	<b>Diagnosis</b>	Clinical, Laboratory (basic)
<b>Reason</b>	First occurrence of a listed disease	<b>Clinical signs</b>	Yes
<b>Country or zone</b>	a zone or compartment		
<b>Number of reported outbreaks</b>	submitted= 2, Draft= 0		

### Outbreak details

Estado	Number of outbreaks	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
AGUASCALIENTES- (this report - submitted)	-	San Francisco de los Romo		Farm	San Francisco de los Romo	22.0690167	-102.270406	03/01/2013	08/01/2013
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	146755	2990	740	0	146015			
Affected Population									

Estado	Number of outbreaks	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
AGUASCALIENTES- (this report - submitted)	-	Aguascalientes		Farm	Aguascalientes	22.0690168	-102.270406	05/01/2013	08/01/2013
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	138000	...	0	0	138000			
Affected Population									

### Outbreak summary: Total outbreaks = 2 (Submitted)

Species	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Birds	284755	2990	740	0	284015

### Epidemiology

#### Epidemiological comments

The last outbreak of highly pathogenic avian influenza serotype H7N3 occurred in September 2012 in the northeastern part of the State of Jalisco. Following control and eradication measures, passive and active surveillance was strengthened and on 3 January 2013 SENASICA was informed of an increase in mortality and a decrease of egg production on a commercial layer farm in the State of Aguascalientes. Timely notification from the farmer and surveillance activities allowed immediate depopulation of the two affected production units, reason why both outbreaks identified are closed.

The first outbreak had a population of 146,755 birds aged 21-80 weeks, of which 2,990 sick and 740 dead. Clinical signs were conjunctivitis, edema, cyanosis and palpebral, comb and chin swelling as well as opisthotonos and sudden death. Additionally, during post-mortem inspections, hemorrhages were identified in trachea, lungs and tonsils. Control measures included vaccination of laying and breeding hens within the zone around the outbreaks and the buffer zone and the strengthening of biosecurity and control of poultry goods movements.

The second outbreak was detected during active surveillance conducted in the State of Aguascalientes and the virus was isolated in another commercial layer farm with a population of 138,000 birds over 81 weeks old, which was also depopulated. In both outbreaks, cleaning and disinfection of facilities and equipment as well as destruction of hen manure have been carried out. After depopulation, sentinel birds will be introduced in order to confirm the absence of infection and viral circulation.

Active and passive surveillance continues at national level. Epidemiological investigation is on-going.

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

• Unknown or inconclusive

### Measures applied

Applied	To be applied

<b>Applied</b>	<b>To be applied</b>
<ul style="list-style-type: none"> <li>• stamping out</li> <li>• quarantine</li> <li>• movement control inside the country</li> <li>• screening</li> <li>• zoning</li> <li>• disinfection of infected premises/establishment(s)</li> </ul>	<ul style="list-style-type: none"> <li>• no planned control measures</li> </ul>
<b>Animals treated</b>	<b>Vaccination Prohibited</b>
No	Yes

**Diagnostic test results**




Laboratory Type	Name of Laboratory	Species	Test Type	Date Results Provided	Result
National laboratory	Biosecurity Laboratory Level 3, Mexico-United States Commission for the Prevention of Foot and Mouth Disease and Other Exotic Diseases of Animals	Birds	virus isolation	07/01/2013	Positive

**Future Reporting**

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

## Outbreak maps



-  Resolved (domestic)
-  International Boundaries
-  Administrative Boundaries