

## Immediate notification report

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

### Report Summary

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		<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>Date of last occurrence</b>	29/09/2012
<b>Reason</b>	Reoccurrence of a listed disease	<b>Diagnosis</b>	Clinical, Laboratory (basic)
<b>Country or zone</b>	a zone or compartment	<b>Clinical signs</b>	Yes
<b>Number of reported outbreaks</b>	submitted= 24, 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
<b>Species</b>	<b>Measuring units</b>	<b>Susceptible</b>	<b>Cases</b>	<b>Deaths</b>	<b>Destroyed</b>	<b>Slaughtered</b>			
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
<b>Species</b>	<b>Measuring units</b>	<b>Susceptible</b>	<b>Cases</b>	<b>Deaths</b>	<b>Destroyed</b>	<b>Slaughtered</b>			
Birds	Animals	138000	...	0	0	138000			
Affected Population									

Estado	Number of outbreaks	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
JALISCO-other report - submitted	-	Encarnación de Díaz	Encarnación de Díaz	Farm	Encarnación de Díaz 1	20.5164222	-102.233728	12/01/2013	
<b>Species</b>	<b>Measuring units</b>	<b>Susceptible</b>	<b>Cases</b>	<b>Deaths</b>	<b>Destroyed</b>	<b>Slaughtered</b>			
Birds	Animals	191771	10010	9077	0	0			
Affected Population									

Estado	Number of outbreaks	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
JALISCO-other report - submitted	-	Encarnación de Díaz	Encarnación de Díaz	Farm	Encarnación de Díaz 2	21.3164222	-102.133728	12/01/2013	
<b>Species</b>	<b>Measuring units</b>	<b>Susceptible</b>	<b>Cases</b>	<b>Deaths</b>	<b>Destroyed</b>	<b>Slaughtered</b>			
Birds	Animals	205742	10058	8932	0	0			
Affected Population									

Estado	Number of outbreaks	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
GUANAJUATO-other report - submitted	-	Dolores Hidalgo		Farm	Dolores Hidalgo 2	21.15775	-100.93364	12/02/2013	
<b>Species</b>	<b>Measuring units</b>	<b>Susceptible</b>	<b>Cases</b>	<b>Deaths</b>	<b>Destroyed</b>	<b>Slaughtered</b>			

Estado	Number of outbreaks	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	40000	5000	2000	38000	0			
Affected Population									

Estado	Number of outbreaks	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
GUANAJUATO-other report - submitted	-	San Felipe		Farm	San Felipe	21.51111	-101.53111	12/02/2013	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	73000	1101	1101	71899	0			
Affected Population									

Estado	Number of outbreaks	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
GUANAJUATO-other report - submitted	-	Dolores Hidalgo		Farm	Dolores Hidalgo 6	21.15775	-100.93164	12/02/2013	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	40000	2000	250	39750	0			
Affected Population									

Estado	Number of outbreaks	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
GUANAJUATO-other report - submitted	-	Juventino Rosas		Farm	Juventino Rosas	20.6435083	-100.995797	12/02/2013	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	108500	452	450	108050	0			
Affected Population									

Estado	Number of outbreaks	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
GUANAJUATO-other report - submitted	-	Dolores Hidalgo		Farm	Dolores Hidalgo 4	21.15775	-100.93264	12/02/2013	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	35000	5000	1500	33500	0			
Affected Population									

Estado	Number of outbreaks	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
GUANAJUATO-other report - submitted	-	Dolores Hidalgo		Farm	Dolores Hidalgo 5	21.15775	-100.93464	12/02/2013	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	40000	18000	16000	24000	0			
Affected Population									

Estado	Number of outbreaks	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
GUANAJUATO-other report - submitted	-	Dolores Hidalgo		Farm	Dolores Hidalgo 1	21.15775	-100.93564	12/02/2013	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	40000	9000	3500	36500	0			
Affected Population									

Estado	Number of outbreaks	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
GUANAJUATO-other report - submitted	-	Dolores Hidalgo		Farm	Dolores Hidalgo 3	21.15775	-100.93664	12/02/2013	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			

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Estado	Number of outbreaks	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	61242	5500	5088	56154	0			
Affected Population									

Estado	Number of outbreaks	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
GUANAJUATO-other report - submitted	-	San Luis de La Paz		Farm	San Luis de La Paz	21.2757468	-100.725	12/02/2013	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	210000	7500	5000	205000	0			
Affected Population									

Estado	Number of outbreaks	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
GUANAJUATO-other report - submitted	-	Dolores Hidalgo		Farm	Dolores Hidalgo 2	21.15775	-100.93964	16/02/2013	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	26171	187	187	0	0			
Affected Population									

Estado	Number of outbreaks	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
GUANAJUATO-other report - submitted	-	Dolores Hidalgo		Farm	Dolores Hidalgo 1	21.15775	-100.93864	16/02/2013	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	35000	2000	1000	0	0			
Affected Population									

Estado	Number of outbreaks	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
GUANAJUATO-other report - submitted	-	Dolores Hidalgo		Farm	Dolores Hidalgo	21.15775	-100.93914	17/02/2013	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	71292	522	347	0	0			
Affected Population									

Estado	Number of outbreaks	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
GUANAJUATO-other report - submitted	-	San Miguel de Allende		Farm	San Miguel de Allende	20.9141611	-100.743714	18/02/2013	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	40000	26665	21700	0	0			
Affected Population									

Estado	Number of outbreaks	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
GUANAJUATO-other report - submitted	-	Juventino Rosas		Farm	Juventino Rosas 2	20.6435083	-100.995589	19/02/2013	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	100326	1000	800	0	0			
Affected Population									

Estado	Number of outbreaks	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
GUANAJUATO-other report - submitted	-	Juventino Rosas		Farm	Juventino Rosas 1	20.6435083	-100.995997	19/02/2013	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			

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Estado	Number of outbreaks	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	107212	1000	800	0	0			
Affected Population									

Estado	Number of outbreaks	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
GUANAJUATO-other report - submitted	-	León		Farm	León	21.1326611	-101.678292	20/02/2013	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	112501	25000	20335	0	0			
Affected Population									

Estado	Number of outbreaks	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
GUANAJUATO-other report - submitted	-	San Luis de La Paz		Farm	San Luis de La Paz	21.2757468	-100.625	20/02/2013	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	189000	1000	571	0	0			
Affected Population									

Estado	Number of outbreaks	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
GUANAJUATO-other report - submitted	-	San Miguel de Allende		Farm	San Miguel de Allende	20.9141611	-100.743614	21/02/2013	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	182354	2500	2168	0	0			
Affected Population									

Estado	Number of outbreaks	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
GUANAJUATO-other report - submitted	-	Celaya		Farm	Celaya	21.15775	-100.94114	23/02/2013	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	110162	84	84	0	0			
Affected Population									

Estado	Number of outbreaks	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
GUANAJUATO-other report - submitted	-	Dolores Hidalgo		Farm	Dolores Hidalgo	21.15775	-100.94114	23/02/2013	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	40000	2200	1673	0	0			
Affected Population									

#### Outbreak summary: Total outbreaks = 24 (Submitted)

Species	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Birds	2344028	138769	103303	612853	284015

#### Epidemiology

Epidemiological comments

<b>Epidemiological comments</b>	
<b>Source of the outbreak(s) or origin of infection</b>	
<ul style="list-style-type: none"> <li>• Unknown or inconclusive</li> </ul> <p>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.</p> <p>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.</p>	
<b>Source of the outbreak(s) or origin of infection</b>	
<ul style="list-style-type: none"> <li>• Unknown or inconclusive</li> </ul>	
<b>Measures applied</b>	
<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

