

## Follow-up report No.2

Report reference: , Reference OIE : 13091, Report Date : 18/02/2013, Country : Mexico

### Report Summary

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		<b>Date submitted to OIE</b>	19/02/2013

<b>Animal type</b>	Terrestrial	<b>Date of report</b>	18/02/2013
<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>	Laboratory (basic), Laboratory (advanced)
<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-other 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-other 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									

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	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
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	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
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- (this report - submitted)	-	Dolores Hidalgo		Farm	Dolores Hidalgo 2	21.15775	-100.93364	12/02/2013	

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									
GUANAJUATO- (this report - submitted)	-	San Felipe		Farm	San Felipe	21.51111	-101.53111	12/02/2013	
Birds	Animals	73000	1101	1101	71899	0			
Affected Population									
GUANAJUATO- (this report - submitted)	-	Dolores Hidalgo		Farm	Dolores Hidalgo 6	21.15775	-100.93164	12/02/2013	
Birds	Animals	40000	2000	250	39750	0			
Affected Population									
GUANAJUATO- (this report - submitted)	-	Juventino Rosas		Farm	Juventino Rosas	20.6435083	-100.995797	12/02/2013	
Birds	Animals	108500	452	450	108050	0			
Affected Population									
GUANAJUATO- (this report - submitted)	-	Dolores Hidalgo		Farm	Dolores Hidalgo 4	21.15775	-100.93264	12/02/2013	
Birds	Animals	35000	5000	1500	33500	0			
Affected Population									
GUANAJUATO- (this report - submitted)	-	Dolores Hidalgo		Farm	Dolores Hidalgo 5	21.15775	-100.93464	12/02/2013	
Birds	Animals	40000	18000	16000	24000	0			
Affected Population									
GUANAJUATO- (this report - submitted)	-	Dolores Hidalgo		Farm	Dolores Hidalgo 1	21.15775	-100.93564	12/02/2013	
Birds	Animals	40000	9000	3500	36500	0			
Affected Population									
GUANAJUATO- (this report - submitted)	-	Dolores Hidalgo		Farm	Dolores Hidalgo 3	21.15775	-100.93664	12/02/2013	
Affected Population									

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Estado	Number of outbreaks	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
<b>Species</b>	<b>Measuring units</b>	<b>Susceptible</b>	<b>Cases</b>	<b>Deaths</b>	<b>Destroyed</b>	<b>Slaughtered</b>			
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- (this report - submitted)	-	San Luis de La Paz		Farm	San Luis de La Paz	21.2757468	-100.725	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>			
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 1	21.15775	-100.93864	16/02/2013	
<b>Species</b>	<b>Measuring units</b>	<b>Susceptible</b>	<b>Cases</b>	<b>Deaths</b>	<b>Destroyed</b>	<b>Slaughtered</b>			
Birds	Animals	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 2	21.15775	-100.93964	16/02/2013	
<b>Species</b>	<b>Measuring units</b>	<b>Susceptible</b>	<b>Cases</b>	<b>Deaths</b>	<b>Destroyed</b>	<b>Slaughtered</b>			
Birds	Animals	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	21.15775	-100.93914	17/02/2013	
<b>Species</b>	<b>Measuring units</b>	<b>Susceptible</b>	<b>Cases</b>	<b>Deaths</b>	<b>Destroyed</b>	<b>Slaughtered</b>			
Birds	Animals	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	
<b>Species</b>	<b>Measuring units</b>	<b>Susceptible</b>	<b>Cases</b>	<b>Deaths</b>	<b>Destroyed</b>	<b>Slaughtered</b>			
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	
<b>Species</b>	<b>Measuring units</b>	<b>Susceptible</b>	<b>Cases</b>	<b>Deaths</b>	<b>Destroyed</b>	<b>Slaughtered</b>			
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	
<b>Species</b>	<b>Measuring units</b>	<b>Susceptible</b>	<b>Cases</b>	<b>Deaths</b>	<b>Destroyed</b>	<b>Slaughtered</b>			

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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

On 13 February 2013, an increase of mortality in breeding hens in the State of Guanajuato was reported to SENASICA. The event apparently began suddenly on 12 February 2013; later, the following clinical signs were observed: edema, cyanosis and palpebral, comb and chin swelling, diarrhea, dyspnea, shell-less or rough-shelled eggs and sudden death. SENASICA immediately went to the affected farms and to those located in the outbreak area and around the outbreaks in order to start analyzing the situation. Virological and serological samples were taken and sent to both the regional and the national laboratory of SENASICA. On 17 February 2013, positive results were obtained by viral isolation of the highly pathogenic notifiable avian influenza virus, H7N3 subtype. During the epidemiological investigation, nine outbreaks of highly pathogenic H7N3 avian influenza were identified in the State of Guanajuato. The outbreaks occurred in seven breeder farms and in two commercial layer farms. The affected population was 647,742 birds, of which 34,889 died and 53,553 were ill. The affected breeder farms are located in the municipalities of San Felipe (1) and of Dolores Hidalgo (6), while commercial layer farms are in the municipalities of San Luis de La Paz (1) and of Juventino Rosas (1), all in the State of Guanajuato. In addition to the depopulation activities, a preventive vaccination was launched in breeder and layer farms in the State of Guanajuato. The epidemiological investigation is ongoing and the first results suggest the introduction of the virus through fomites and biosecurity failures.

**Epidemiological comments**  
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• Unknown or inconclusive

**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>• screening</li> <li>• zoning</li> <li>• vaccination in response to the outbreak (s)</li> <li>• disinfection of infected premises/establishment(s)</li> </ul>	<ul style="list-style-type: none"> <li>• no planned control measures</li> </ul>
Animals treated	Vaccination Prohibited
No	No

**Vaccination in response to outbreak**

estado	Species	Number Vaccinated	Details
GUANAJUATO	Birds	5512080	Breeder and layer commercial farms

**Diagnostic test results**

Laboratory Type	Name of Laboratory	Species	Test Type	Date Results Provided	Result
National laboratory	Biosecurity Laboratory Level 3, SENASICA	Birds	virus isolation	17/02/2013	Positive

**Future Reporting**

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

## Outbreak maps

