

Follow-up report No.: 5

Report reference: , OIE Ref: 12147, Report Date: 24/07/2012, Country: Mexico

Report Summary

Disease	Highly pathogenic avian influenza	Animal type	Terrestrial
Causal Agent	Highly pathogenic avian influenza	Serotype(s)	H7N3
Clinical Signs	Yes	Reason	Reoccurrence of a listed disease
Date of first confirmation of the event	21/06/2012	Date of Start of Event	13/06/2012
Date of report	24/07/2012	Date Submitted To OIE	25/07/2012
Diagnosis	Laboratory (basic), Laboratory (advanced)	Date Of Last Occurrence	06/1995
Number Of Reported Outbreaks	Submitted= 35, Draft= 0	Name of Sender of the report	Dr Hugo Fragoso Sánchez
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		Fax	
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Outbreak (other report - submitted) (1)

Estado	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start date	End Date
JALISCO	Tepatitlan de Morelos	Valle de Guadalupe	Farm	Tepatitlan de Morelos	20,909833	-102,620311	13/06/2012	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	480000	321600	118992	0	0		
Affected Population								

Outbreak (other report - submitted) (2)

Estado	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start date	End Date
JALISCO	Tepatitlan de Morelos	Pegueros	Farm	Tepatitlan de Morelos	20,91114	-102,69444	13/06/2012	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	298599	107496	29024	0	0		
Affected Population								

Outbreak (other report - submitted) (3)

Estado	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start date	End Date
JALISCO	Acatic	Tierras Coloradas	Farm	Acatic	20,721778	-102,870394	13/06/2012	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	263440	158064	63226	60000	...		
Affected Population								

Outbreak (other report - submitted) (4)

Estado	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start date	End Date
JALISCO	Tepatitlan de Morelos	foco 4	Farm	Tepatitlan de Morelos	20,90769	-102,70269	24/06/2012	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	96000	46000	46000	0	0		
Affected Population								

Outbreak (other report - submitted) (6)

Estado	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start date	End Date
JALISCO	Tepatitlan de Morelos	foco 6	Farm	Tepatitlan de Morelos	20,903166	-102,717972	29/06/2012	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	49056	263	105	0	0		
Affected Population								

Outbreak (other report - submitted) (8)

Estado	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start date	End Date
JALISCO	Tepatitlan de Morelos	foco 8	Farm	Tepatitlan de Morelos	20,907852	-102,671755	29/06/2012	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	165000	...	...	0	0		
Affected Population								

Outbreak (other report - submitted) (11)

Estado	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start date	End Date
JALISCO	Acatic	foco 11	Farm	Acatic	20,73569	-102,88581	29/06/2012	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	236000	...	...	0	0		
Affected Population								

Outbreak (other report - submitted) (14)

Estado	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start date	End Date
JALISCO	Tepatitlan de Morelos	foco 14	Farm	Tepatitlan de Morelos	20,90875	-102,695611	29/06/2012	

Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Birds	Animals	92000	250	250	0	0
Affected Population						

Outbreak (other report - submitted) (17)

Estado	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start date	End Date
JALISCO	Valle de Guadalupe	foco 17	Farm	Valle de Guadalupe	20,98164	-102,62894	29/06/2012	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	140587	...	...	0	0		
Affected Population								

Outbreak (other report - submitted) (21)

Estado	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start date	End Date
JALISCO	Acatic	foco 21	Farm	Acatic	20,43404	-102,52444	29/06/2012	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	215000	7000	3000	0	0		
Affected Population								

Outbreak (other report - submitted) (24)

Estado	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start date	End Date
JALISCO	Valle de Guadalupe	foco 24	Farm	Valle de Guadalupe	20,44022	-102,50411	29/06/2012	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	395000	...	...	0	0		
Affected Population								

Outbreak (other report - submitted) (13)

Estado	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start date	End Date
JALISCO	Acatic	foco 13	Farm	Acatic	20,745611	-102,914361	29/06/2012	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	71488	...	...	0	0		
Affected Population								

Outbreak (other report - submitted) (16)

Estado	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start date	End Date
JALISCO	Tepatitlan de Morelos	foco 16	Farm	Tepatitlan de Morelos	20,943194	-102,707778	29/06/2012	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	165000	...	...	0	0		

Affected Population

Outbreak (other report - submitted) (19)

Estado	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start date	End Date
JALISCO	Acatic	foco 19	Farm	Acatic	20,7602	-102,84091	29/06/2012	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	75000	20000	13000	0	0		
Affected Population								

Outbreak (other report - submitted) (20)

Estado	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start date	End Date
JALISCO	Tepatitlan de Morelos	foco 20	Farm	Tepatitlan de Morelos	20,51362	-102,43242	29/06/2012	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	800000	800000	280000	0	0		
Affected Population								

Outbreak (other report - submitted) (23)

Estado	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start date	End Date
JALISCO	Tepatitlan de Morelos	foco 23	Farm	Tepatitlan de Morelos	20,52382	-102,39074	29/06/2012	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	216000	206000	206000	0	0		
Affected Population								

Outbreak (other report - submitted) (5)

Estado	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start date	End Date
JALISCO	Tepatitlan de Morelos	foco 5	Farm	Tepatitlan de Morelos	20,894111	-102,711472	29/06/2012	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	235000	4000	4000	0	0		
Affected Population								

Outbreak (other report - submitted) (7)

Estado	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start date	End Date
JALISCO	Tepatitlan de Morelos	foco 7	Farm	Tepatitlan de Morelos	20,9143	-102,685611	29/06/2012	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	94500	55000	55000	0	0		
Affected Population								

Outbreak (other report - submitted) (10)

Estado	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start date	End Date
JALISCO	Tepatitlan de Morelos	foco 10	Farm	Tepatitlan de Morelos	20,95441	-102,67451	29/06/2012	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	150000	5000	2000	0	0		
Affected Population								

Outbreak (other report - submitted) (9)

Estado	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start date	End Date
JALISCO	Tepatitlan de Morelos	foco 9	Farm	Tepatitlan de Morelos	20,76083	-102,82437	29/06/2012	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	133975	...	...	0	0		
Affected Population								

Outbreak (other report - submitted) (12)

Estado	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start date	End Date
JALISCO	Tepatitlan de Morelos	foco 12	Farm	Tepatitlan de Morelos	20,94764	-102,6598	29/06/2012	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	500000	500	200	0	0		
Affected Population								

Outbreak (other report - submitted) (15)

Estado	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start date	End Date
JALISCO	Tepatitlan de Morelos	foco 15	Farm	Tepatitlan de Morelos	20,933852	-102,696783	29/06/2012	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	102000	100000	78000	0	0		
Affected Population								

Outbreak (other report - submitted) (18)

Estado	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start date	End Date
JALISCO	Acatic	foco 18	Farm	Acatic	20,749166	-102,912	29/06/2012	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	1400000	700000	39970	0	0		
Affected Population								

Outbreak (other report - submitted) (22)

Estado	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start date	End Date
JALISCO	Tepatitlan de Morelos	foco 22	Farm	Tepatitlan de Morelos	20,53547	-102,42166	29/06/2012	

Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Birds	Animals	30000	...	...	0	0
Affected Population						

Outbreak (other report - submitted) (25)

Estado	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start date	End Date
JALISCO	San Miguel El Alto	foco 25	Farm	San Miguel El Alto	21,17426	-102,07453	03/07/2012	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	1526001	...	...	0	0		
Affected Population								

Outbreak (other report - submitted) (26)

Estado	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start date	End Date
JALISCO	Tepatitlan de Morelos	foco 26	Farm	Tepatitlan de Morelos	20,51153	-102,47256	06/07/2012	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	40000	...	...	0	0		
Affected Population								

Outbreak (other report - submitted) (27)

Estado	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start date	End Date
JALISCO	Tepatitlan de Morelos	foco 27	Farm	Tepatitlan de Morelos	20,5014	-102,44409	06/07/2012	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	112000	...	...	0	0		
Affected Population								

Outbreak (other report - submitted) (28)

Estado	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start date	End Date
JALISCO	Tepatitlan de Morelos	foco 28	Farm	Tepatitlan de Morelos	20,450701	-102,50559	09/07/2012	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	90166	58000	57114	0	0		
Affected Population								

Outbreak (other report - submitted) (31)

Estado	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start date	End Date
JALISCO	Jalostotitlan	foco 31	Farm	Jalostotitlan	21,15185	-102,27147	10/07/2012	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	576757	...	...	0	0		

Affected Population

Outbreak (other report - submitted) (30)

Estado	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start date	End Date
JALISCO	Tepatitlan de Morelos	foco 30	Farm	Tepatitlan de Morelos	20,51271	-102,40176	10/07/2012	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	113000	...	...	0	0		
Affected Population								

Outbreak (other report - submitted) (29)

Estado	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start date	End Date
JALISCO	Valle de Guadalupe	foco 29	Farm	Valle de Guadalupe	20,45374	-102,51165	10/07/2012	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	396000	...	...	0	0		
Affected Population								

Outbreak (other report - submitted) (32)

Estado	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start date	End Date
JALISCO	Tepatitlan de Morelos	foco 32	Farm	Tepatitlan de Morelos	21,25436	-102,45414	16/07/2012	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	152000	12	10	...	...
Affected Population								

Outbreak (this report - submitted) (33)

Estado	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start date	End Date
JALISCO	Acatic	foco 33	Farm	Acatic	20,42515	-102,56059	16/07/2012	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	42592	0	0	0	0		
Affected Population								

Outbreak (this report - submitted) (35)

Estado	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start date	End Date
JALISCO	Tepatitlan de Morelos	foco 35	Farm	Tepatitlan de Morelos	20,85986	-102,72361	23/07/2012	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	502688	5	5	0	0		
Affected Population								

Outbreak (this report - submitted) (34)

Estado	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start date	End Date
JALISCO	Encarnacion de Diaz	foco 34	Farm	Encarnacion de Diaz	21.43319	-102.2326	23/07/2012	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	405611	0	0	0	0		
Affected Population								

Outbreak summary: Total outbreaks = 35 (Submitted)

Species	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Birds	10360460	2589190	995896	60000	0

Epidemiology

Epidemiological comments

As part of the surveillance activities and the epidemiological investigation carried out in response to the event, the National Food Quality, Food Safety and Health Service (SENASICA) continues the epidemiological sampling in the focal, perifocal and buffer zones. So far, 363 production units have been sampled. A total of 32,108 samples have been obtained and 35 H7N3 viral isolates have been identified in poultry farms. The population at risk in these 363 production units amounts to about 17 million birds, of which 56.2% of commercial layer farms, 29.2% of broilers, 7.44% of backyard poultry and 7.16% of breeders.

The focal, perifocal and buffer zones still represent a total surface area of around 22,000 square kilometres. During the depopulation activities in the poultry farms, around 3.8 million birds have been slaughtered and destroyed of an affected 10.2 million bird population. Planned depopulation activities will continue. Control measures on the movement of birds, their products and by-products are still in place in the quarantine area.

Epidemiological surveillance activities continue in the focal, perifocal and buffer zones and a screening at the national level started in poultry and backyard farms. It includes around 17,000 serological and virological samples which will be processed in the official laboratories and will allow to maintain adequate supervision of the outbreak for its eradication. Current epidemiological parameters indicate an incidence rate of 24.58%, a mortality of 9.64% and a fatality of 39.2%. As part of the measures to control and eradicate the virus, a temporary vaccine programme of birds at risk will be implemented, through the production and application of an emulsified vaccine manufactured in Mexico by the official sector. Poultry farms in which the temporary vaccination would be authorized, prior risk assessment, should eliminate the vaccinated birds at the end of their productive life.

Source of the outbreak(s) or origin of infection • Unknown or inconclusive

Control Measures

Applied	<ul style="list-style-type: none"> • Stamping out • Quarantine • Movement control inside the country • Screening • Zoning • Disinfection of infected premises/establishment(s) 	To be applied	• No Planned Control Measures
		Vaccination Prohibited	Yes
Animals treated	No		

Country / Zone

Country or zone	a zone or compartment
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Diagnostic test results

Laboratory Type	Name of Laboratory	Species	Test Type	Date Results Provided	Result
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Future Reporting

What further reports will be submitted in relation to this event?

There are 35 outbreaks that are still recorded as unresolved. It is not possible to declare this event resolved until these individual outbreaks are resolved.

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

Outbreak maps

