

Follow-up report No.: 3

Report reference: , OIE Ref: 5414, Report Date: 20/07/2007, Country: Kuwait

Report Summary

Disease	Highly pathogenic avian influenza	Animal type	Terrestrial
Causal Agent	Highly pathogenic avian influenza virus	Serotype(s)	H5N1
Clinical Signs	Yes	Reason	First occurrence of a listed disease
Date of confirmation of Event	18/02/2007	Date of Start of Event	13/02/2007
Date of report	20/07/2007	Diagnosis	Suspicion, Clinical, Laboratory (basic), Laboratory (advanced), Necropsy
Number of reported outbreaks	Submitted= 20, Draft= 0	Name of Sender of the report	Dr Mohammed Wael Al-Muhanna
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Outbreak (other report - submitted)

Governorate	District	Area	Unit Type	Location	Latitude	Longitude	Start	End
AL AHMADI	Al Wafra	Wafra	Farm	Wafra	28,5833	48,0554	20/04/2007	11/05/2007
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	1000	2	2	0	0		
Affected Population		A commercial ostrich farm						

Outbreak (other report - submitted)

Governorate	District	Area	Unit Type	Location	Latitude	Longitude	Start	End
AL AHMADI	Al Nwasib	Al Nwasib	Farm	Nwasib	28,707	48,2872	22/02/2007	21/03/2007
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	114	20	20	94	0		
Affected Population		a backyard farm with different types of birds including chickens, turkeys, ducks and pigeons. Chickens and turkeys were affected by the disease.						

Outbreak (other report - submitted)

Governorate	District	Area	Unit Type	Location	Latitude	Longitude	Start	End
AL AHMADI	Al Wafra	Al Wafra	Farm	Wafra	28,6915	48,0207	20/02/2007	19/03/2007
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	670	2	0	668	0		
Affected Population								
a backyard farm that includes chickens, geese, ducks, guinea fowls and pigeons. Infection was detected in the farm during surveillance following the first confirmed case in the area. Antibody was detected in two guinea fowls.								

Outbreak (other report - submitted)

Governorate	District	Area	Unit Type	Location	Latitude	Longitude	Start	End
AL AHMADI	Um Alhiman	Um Alhiman	Farm	Um Alhiman	28,8422	48,0052	17/02/2007	16/03/2007
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	47	2	2	45	0		
Affected Population backyard chickens								

Outbreak (other report - submitted)

Governorate	District	Area	Unit Type	Location	Latitude	Longitude	Start	End
AL AHMADI	Al Wafra	Wafra	Farm	Wafra	28,5911	48,0632	26/03/2007	25/04/2007
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	250000	12	12	249988	0		
Affected Population A farm of layer chickens								

Outbreak (other report - submitted)

Governorate	District	Area	Unit Type	Location	Latitude	Longitude	Start	End
AL AHMADI	Al Wafra	Wafra	Farm	Wafra	28,5949	48,0091	25/03/2007	24/04/2007
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	213868	30	30	213838	0		
Affected Population A commercial farm								

Outbreak (other report - submitted)

Governorate	District	Area	Unit Type	Location	Latitude	Longitude	Start	End
AL FARWANIYAH	Al Rehab	Rehab	Farm	Rehab	29,2594	47,9627	04/03/2007	03/04/2007
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	3	2	0	3	0		
Affected Population chickens in a backyard farm								

Outbreak (other report - submitted)

Governorate	District	Area	Unit Type	Location	Latitude	Longitude	Start	End
AL AHMADI	Al Wafra	Wafra	Farm	Wafra	28,5601	48,0462	03/03/2007	02/04/2007

Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Birds	Animals	24	8	6	18	0
Affected Population		chickens in a backyard farm				

Outbreak (other report - submitted)

Governorate	District	Area	Unit Type	Location	Latitude	Longitude	Start	End
AL JAHRAH	Al Sulaibiya	Sulaibiya	Farm	Sulaibiya	29,1396	47,6614	03/03/2007	02/04/2007
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	15	3	1	14	0		
Affected Population		a backyard farm with chickens only						

Outbreak (other report - submitted)

Governorate	District	Area	Unit Type	Location	Latitude	Longitude	Start	End
HAWALLI	Al Surrah	Surrah	Farm	Surrah	29,2401	48,0477	01/03/2007	01/04/2007
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	8	8	6	2	0		
Affected Population		a backyard farm with chickens only						

Outbreak (other report - submitted)

Governorate	District	Area	Unit Type	Location	Latitude	Longitude	Start	End
AL AHMADI	Al Wafra	Wafra	Farm	Wafar	28,5717	48,0554	01/03/2007	01/04/2007
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	17	4	4	13	0		
Affected Population		a backyard farm where both chickens and turkeys were affected by the disease						

Outbreak (other report - submitted)

Governorate	District	Area	Unit Type	Location	Latitude	Longitude	Start	End
MOUBARAK AL KABEER	Al Qurain	Qurain	Farm	Qurain	29,1049	48,0979	28/02/2007	27/03/2007
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	65	2	0	65	0		
Affected Population		a backyard farm with chickens, geese and pigeons						

Outbreak (other report - submitted)

Governorate	District	Area	Unit Type	Location	Latitude	Longitude	Start	End
AL FARWANIYAH	Al Ardiya	Ardiya	Farm	Ardiya	29,2432	47,921	27/02/2007	26/03/2007
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	25	2	0	25	0		

Affected Population	a backyard farm with chickens only
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Outbreak (other report - submitted)

Governorate	District	Area	Unit Type	Location	Latitude	Longitude	Start	End
AL AHMADI	Al Wafra	Wafra	Farm	Wafra	28,6003	48,0199	27/02/2007	26/03/2007
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	286	1	1	285	0		
Affected Population a backyard farm with different species of birds. Only a falcon was affected by the disease.								

Outbreak (other report - submitted)

Governorate	District	Area	Unit Type	Location	Latitude	Longitude	Start	End
AL FARWANIYAH	Al Rabya	Rabya	Not applicable	Rabya	29,2864	47,928	26/02/2007	25/03/2007
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	51	2	0	51	0		
Affected Population pigeons and a falcon. Both species were affected by the disease.								

Outbreak (other report - submitted)

Governorate	District	Area	Unit Type	Location	Latitude	Longitude	Start	End
MOUBARAK AL KABEER	Al Sabah Salem	Sabah Salem	Not applicable	Salem	29,1899	48,0863	26/02/2007	25/03/2007
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	3	2	1	2	0		
Affected Population a residence whose owner used to keep falcons as fancy birds								

Outbreak (other report - submitted)

Governorate	District	Area	Unit Type	Location	Latitude	Longitude	Start	End
AL KUWAYT	Al Doha	Doha	Farm	Doha	29,3197	47,877	24/02/2007	23/03/2007
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	85	6	6	79	0		
Affected Population a backyard farm with a variety of birds including chickens, turkeys, guinea fowls, pigeons, falcons and quails								

Outbreak (other report - submitted)

Governorate	District	Area	Unit Type	Location	Latitude	Longitude	Start	End
AL AHMADI	Al Wafra	Wafra	Farm	Wafra	28,571	48,1775	22/02/2007	21/03/2007
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	1805	1	1	1804	0		
Affected Population a backyard farm with a variety of birds including chickens, ducks, turkeys and pigeons. Tissue sample from a dead turkey tested positive for H5N1.								

Outbreak (other report - submitted)

Governorate	District	Area	Unit Type	Location	Latitude	Longitude	Start	End
AL FARWANIYAH	Al Omariya	Al Omariya	Not applicable	Kuwait Zoo	29,2362	48,0091	17/02/2007	16/03/2007
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	1000	7	5	2	0		
Affected Population								
Different types of birds are kept in the zoo; however, only falcons were affected by the disease. In response to the outbreak, other susceptible birds in the zoo were vaccinated.								

Outbreak (other report - submitted)

Governorate	District	Area	Unit Type	Location	Latitude	Longitude	Start	End
AL AHMADI	Al Wafra	Wafra	Farm	Wafra	28,6683	48,1443	13/02/2007	12/03/2007
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	15	15	15	0	0		
Affected Population								
chickens								

Outbreak summary: Total outbreaks = 20 (Submitted)

Species	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Birds	469101	131	112	466996	0

Epidemiology

Epidemiological comments	
After the detection of the last case on 20 April 2007, there have been no other cases of highly pathogenic avian influenza. Thus, all outbreaks are considered to be resolved. All restrictions were lifted on 12 May 2007.	
Cleaning and disinfection of the affected premises were completed on 21 April 2007.	
Surveillance program has been ongoing in accordance with Appendix 3.8.9 of the OIE Terrestrial Animal Health Code and no sample tested positive.	
Therefore, Kuwait declares itself free from highly pathogenic avian influenza with effect from 21 July 2007 as per chapter 2.7.12 of the OIE Terrestrial Animal Health Code.	
Source of Infection	• Unknown or inconclusive

Control Measures

No Control Measures	Animals treated
Vaccination Prohibited	No

Country / Zone

Country or zone
the whole country

Diagnostic test results

Laboratory Type	Name of Labor
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Date Results Provided	Result
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Future Reporting

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

Outbreak map

