

Follow-up report No.1

Report reference: AVI'EL H5N1, Reference OIE : 17059, Report Date : 25/01/2015, Country : Israel

Report Summary

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Animal type	Terrestrial	Date of report	25/01/2015
Disease	Highly pathogenic avian influenza	Date of start of the event	14/01/2015
Causal Agent	Highly pathogenic avian influenza virus	Date of pre-confirmation of the event	17/01/2015
Serotype(s)	H5N1	Date of last occurrence	25/03/2012
Reason	Reoccurrence of a listed disease	Diagnosis	Suspicion, Clinical, Laboratory (basic), Laboratory (advanced), Necropsy
Country or zone	a zone or compartment	Clinical signs	Yes
Number of reported outbreaks	submitted= 3, Draft= 0		

Outbreak details

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
HAIFA-other report - submitted	-	Hadera		Farm	AVI'EL	32.5303813494	34.991326989	14/01/2015	25/01/2015
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	141000	30000	15000	10000	0			
Spur-winged Lapwing:Charadriidae(Va nellus spinosus)	Animals	...	1	0	1	0			
Affected Population	This turkey fattening farm contains 13 pens with a total of 55,000 males and 25,000 females aged 16-17 weeks. The mortality has been observed in 5 of the pens, whilst the mortality was very high and hyperacute in 3 of them. On post mortem examination, enteritis and enlarged spleen have been demonstrated. In addition, 350 meters away, there is a poultry farm of 61,000 5-week-old turkeys. No clinical signs have been seen in poultry at this farm. No other commercial flocks are located within the radius of 3 kilometers. A sick wild bird (Spur-winged lapwing) has been found in one of the pens and has been diagnosed as positive.								

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
HAIFA- (this report - submitted)	-	Hadera		Farm	BINYAMINA-GIV"AT ADA	32.5195133375	34.9647465364	20/01/2015	25/01/2015
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	17000	3500	1700	15300	0			
Affected Population	The flock contains 36 weeks broilers grand parents which are divided in two adjacent pens. Hyperacute mortality.								

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
HAIFA- (this report - submitted)	-	Hadera		Farm	MAGGAL	32.3852759696	35.0352379164	22/01/2015	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	40000	15000	5000	35000	0			
Affected Population	10 weeks turkeys.								

Outbreak summary: Total outbreaks = 3 (Submitted)

Species	Susceptible	Cases	Deaths	Destroyed	Slaughtered

Species	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Birds	198000	48500	21700	60300	0
Spur-winged Lapwing		1	0	1	0

Epidemiology

Epidemiological comments

The epidemiological investigation is ongoing.

The first time H5N1 occurred in Israel was in March 2006 revealing 9 outbreaks.

Since then, all the outbreaks that occurred in commercial flocks were also in March (2011, 2012) except one outbreak that took place in January 2010, in the same region of the Aviel's outbreak (distance of 10 kilometers). The disease had been also diagnosed in a kindergarden's minizoo at the end of December 2007, 3 kilometers from the Aviel's outbreak. This area has numerous water ponds with water birds wintering in them.

Backyard birds in the village have also been culled. A few days later, two additional outbreaks have been diagnosed in the same region as described in the report.

The culling of the flocks has been terminated.

Source of the outbreak(s) or origin of infection

- Unknown or inconclusive

Measures applied

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

Diagnostic test results

Laboratory Type	Name of Laboratory	Species	Test Type	Date Results Provided	Result
National laboratory	Kimron Veterinary Institute, Avian Diseases Laboratory	Birds	pathogen isolation by egg inoculation	23/01/2015	Positive
National laboratory	Kimron Veterinary Institute, Avian Diseases Laboratory	Birds	real-time PCR	24/01/2015	Positive
National laboratory	Kimron Veterinary Institute, Avian Diseases Laboratory	Birds	intravenous pathogenicity index (IVPI) test		Pending

Future Reporting

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

Outbreak maps

