

Follow-up report No.6

Report reference: H5N8, Reference OIE : 36373, Report Date : 01/11/2020, Country : Israel

Report Summary

Name of sender of the report	Dr Michel Bellaiche	Telephone	972(3)9681608
Position	Head, Epidemiology Department	Fax	972(3)9681761
Address	P.O. Box 12	Email	michelb@moag.gov.il
	Bet Dagan	Entered by	Dr Michel Bellaiche
	50250 ISRAEL BET DAGAN 50250	Date submitted to OIE	

Animal type	Terrestrial	Date of report	01/11/2020
Disease	Highly pathogenic avian influenza	Date of start of the event	12/10/2020
Causal Agent	Highly pathogenic avian influenza virus	Date of confirmation of the event	13/10/2020
Serotype(s)	H5N8	Date of last occurrence	03/02/2020
Reason	Recurrence of a listed disease	Diagnosis	Clinical, Laboratory (advanced)
Country or zone	a zone or compartment	Clinical signs	Yes
Number of reported outbreaks	submitted= 4, Draft= 2	Number of Outbreaks to Report	2

Outbreak details

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Haifa-other report - submitted	-	Hadera		Farm	MAANIT	32.4565009988	35.0287238165	12/10/2020	14/10/2020
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
Birds	Animals	35000	2000	800	34200	0			
Affected Population	48-week-old heavy breeders. The farm is divided into four pens. The morbidity and mortality occurred in one half of a divided pen. The farm is situated near fish ponds whereas it is the season of birds migration and aquatic migrating birds are resting and feeding in these ponds.								

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Hadarom-other report - submitted	-	Ashkelon		Farm	REVADIM	31.7734157071	34.8167948861	14/10/2020	16/10/2020
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
Birds	Animals	18800	650	150	18650	0			
Affected Population	3.5 weeks old turkeys. the flock is divided into two pens. The morbidity and mortality were observed in one pen.								

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Hazafon-other report - submitted	-	Yizreel		Farm	RAM-ON	32.526042935	35.256354011	17/10/2020	22/10/2020
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
Birds	Animals	34000	80	65	33935	0			
Affected Population	52 weeks heavy breeders. The flock is divided into 4 pens. The morbidity/mortality have been seen in one pen only.								

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Hazafon-other report - submitted	-	Yizreel		Farm	GEVAT	32.6748293231	35.2095319866	28/10/2020	30/10/2020
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
Birds	Animals	22000	68	68	21932	0			
Affected Population	62 weeks old heavy breeders.								

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Hazafon- (this report - draft)	-	Yizreel		Farm	SHELUHOT	32.4716493725	35.4807598529	29/10/2020	01/11/2020
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
Birds	Animals	10670	100	55	10615	0			
Affected Population	16 weeks old turkeys.								

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Haifa- (this report - draft)	-	Hadera		Farm	MAYAN ZEVI	32.5681544774	34.9401264104	30/10/2020	
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
Birds	Animals	8200	1500	115			
Affected Population	14 weeks old turkey breeders.								

Outbreak summary: Total outbreaks = 2 (Draft)

Species	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered
Birds	18870	1600	170	10615	0

Outbreak summary: Total outbreaks = 4 (Submitted)

Species	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered
Birds	109800	2798	1083	108717	0

Epidemiology

Epidemiological comments
Epidemiological investigation is ongoing. The last time that the virus was diagnosed in Israel was in January 2020 in a Bonelli's eagle in the desert. The last time that it was diagnosed in a commercial farm was in the north of the country in April 2019, in a turkey farm.
Source of the outbreak(s) or origin of infection
• Most likely by wild migrating birds

Measures applied

Applied	To be applied
<ul style="list-style-type: none"> • movement control inside the country • quarantine • zoning 	<ul style="list-style-type: none"> • surveillance outside containment and/or protection zone • surveillance within containment and/or protection zone • official disposal of carcasses, by-products and waste • stamping out • disinfection
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	virus sequencing	20/10/2020	Positive
National laboratory	Kimron Veterinary Institute, Avian Diseases Laboratory	Birds	real-time reverse transcriptase/polymerase chain reaction (RRT-PCR)	01/11/2020	Positive
National laboratory	Kimron Veterinary Institute, Avian Diseases Laboratory	Birds	pathogen isolation by egg inoculation		Pending

Future Reporting

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

Outbreak maps

