

Follow-up report 8

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

Sender of the report	Telephone	Address
Mr. Tamir Goshen		Veterinary Services PO Box 12BEIT DAGANIsrael50250
Position	Email	Country/territory
Acting Director	tamirgo@moag.gov.il	Israel
Entered by	Report ID	Report status
	FUR_153435	Draft
Event status	Self-declaration	
On-going	No	

General information

Country or zone - Zone	Disease - High pathogenicity avian influenza viruses (poultry) (Inf. with)	Started on - 11/10/2021
Animal type - Terrestrial	Genotype/serotype/subtype - H5N1	Confirmed on - 12/10/2021
Causal agent - Highly pathogenic avian influenza virus	Disease category - OIE-listed	Reported on - 12/01/2022
Last occurrence - 14/10/2137	Reason - Recurrence	

Epidemiology

Source of the event or origin of the infection

- Unknown or inconclusive
- Fomites (humans, vehicles, feed, etc.)
- Contact with wild species

Epidemiological comments H5N1 was diagnosed last time in Israel in 2015.

October is a month where hundreds of millions of birds are passing over the country during their migration from Europe to Africa, including water-birds.

Around the affected farms, there are some water points where wild birds can rest and feed.

The distance between Ein Zurim and Avigedor events is about 2.5 kilometers.

The outbreak in MARGALYYOT is the first outbreak in Israel that occurred in laying hens. The area near the northern border, is populated with a large number of laying hens pens.

Control measures at event level

Domestic control measures

Applied	To be applied
- Stamping out	- Surveillance within containment and or the protection zone
- Disinfestation	- Surveillance outside containment and or the protection zone
- Ante and post-mortem inspections	
- Movement control inside the country	
- Quarantine	
- Zoning	
- Disinfection	

Wild control measures

To be applied - Surveillance within containment and or the protection zone

Diagnostic

Clinical signs - Yes	Method of diagnostic
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- Necropsy
- Diagnostic test
- Clinical

Test name	Category	Test type	Laboratory	Species sampled	Outbreaks	Tested from	Tested until	Result
Real-time reverse transcription polymerase chain reaction (rRT-PCR)	Nucleic acid detection	Laboratory Test	Kimron Veterinary Institute, Avian Diseases Division National Laboratory	Birds	1	12/10/2021	13/10/2021	Positive
Real-time reverse transcription polymerase chain reaction (rRT-PCR)	Nucleic acid detection	Laboratory Test	Northern Poultry health Laboratory Regional Laboratory	Birds	1	12/10/2021	13/10/2021	Positive
Real-time reverse transcription polymerase chain reaction (rRT-PCR)	Nucleic acid detection	Laboratory Test	Kimron Veterinary Institute, Avian Diseases Division National Laboratory	Birds	1	30/10/2021	31/10/2021	Positive
Real-time reverse transcription polymerase chain reaction (rRT-PCR)	Nucleic acid detection	Laboratory Test	Northern Poultry health Laboratory Local Laboratory	Birds	2	17/11/2021	18/11/2021	Positive
Real-time reverse transcription polymerase chain reaction (rRT-PCR)	Nucleic acid detection	Laboratory Test	Kimron Veterinary Institute, Avian Diseases Division National Laboratory	Birds	2	17/11/2021	18/11/2021	Positive
Real-time reverse transcription polymerase chain reaction (rRT-PCR)	Nucleic acid detection	Laboratory Test	Kimron Veterinary Institute, Avian Diseases Division National Laboratory	Birds	1	04/12/2021	06/12/2021	Positive
Real-time reverse transcription polymerase chain reaction (rRT-PCR)	Nucleic acid detection	Laboratory Test	Kimron Veterinary Institute, Avian Diseases Division National Laboratory	Birds	2	18/12/2021	20/12/2021	Positive
Real-time	Nucleic acid	Laboratory	Kimron	Birds	10	29/12/2021	12/01/2022	Positive

reverse transcription polymerase chain reaction (rRT-PCR)	detection	Test	Veterinary Institute, Avian Diseases Division National Laboratory					
Gene sequencing	Genotyping	Laboratory Test	Kimron Veterinary Institute, Avian Diseases Division National Laboratory	Birds	1	12/10/2021	13/10/2021	Pending

Quantitative data summary

Measuring unit - Animal

Species	Type	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated	Outbreak morbidity	Outbreak mortality
Birds	New	365297	9280	8880	644563	0	0	-	-
Birds	Total	1072552	41880	25358	1020340	0	0	-	-
All species	New	365297	9280	8880	644563	0	0	-	-
All species	Total	1072552	41880	25358	1020340	0	0	-	-

Outbreaks

ob_94609-RAM-ON

Outbreak reference - RAM-ON Started on - 25/12/2021 First administrative division - HaZafon
Detailed characterization - - Ended on - 28/12/2021 Epidemiological unit - Farm
Geographic coordinates - Location - RAM-ON
33.1999,35.5572

Description of the affected population 9 weeks old turkeys divided into 4 pens.

Species	Type	Measuring unit	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated
Birds	New	Animal	19400	5000	100	19300	0	0
Birds	Total	Animal	19400	5000	100	19300	0	0
All species	New	Animal	19400	5000	100	19300	0	0
All species	Total	Animal	19400	5000	100	19300	0	0

ob_93528-AVIGEDOR

Outbreak reference - AVIGEDOR Started on - 04/12/2021 First administrative division - HaDarom
Detailed characterization - - Ended on - 06/12/2021 Epidemiological unit - Farm
Geographic coordinates - Location - AVIGEDOR
31.710947,34.743212

Description of the affected population 13 weeks old turkeys divided into two pens. High mortality in the flocks.

Species	Type	Measuring unit	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated
Birds	New	Animal	-	-	-	-	-	-

Birds	Total	Animal	9500	6000	5000	4500	0	0
All species	New	Animal	-	-	-	-	-	-
All species	Total	Animal	9500	6000	5000	4500	0	0

ob_94608-GIVAT YOAV

Outbreak reference - GIVAT YOAV Started on - 25/12/2021 First administrative division - Golan
Detailed characterization - - Ended on - 02/01/2022 Epidemiological unit - Farm
Geographic coordinates - Location - GIVAT YOAV
32.798337,35.684599

Description of the affected population 14 weeks old turkeys in two different farms.

Species	Type	Measuring unit	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated
Birds	New	Animal	50415	3200	150	50265	0	0
Birds	Total	Animal	50415	3200	150	50265	0	0
All species	New	Animal	50415	3200	150	50265	0	0
All species	Total	Animal	50415	3200	150	50265	0	0

ob_94607-EN HAHORESH

Outbreak reference - EN HAHORESH Started on - 25/12/2021 First administrative division - HaMerkaz
Detailed characterization - - Ended on - 28/12/2021 Epidemiological unit - Farm
Geographic coordinates - Location - EN HAHORESH
32.38511,34.93959

Description of the affected population Male turkeys aged 18 weeks old, divided into 6 pens.

Species	Type	Measuring unit	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated
Birds	New	Animal	1350	-	-	1350	-	-
Birds	Total	Animal	32350	1000	500	31850	0	0
All species	New	Animal	1350	-	-	1350	-	-
All species	Total	Animal	32350	1000	500	31850	0	0

ob_94327-NEOT GOLAN

Outbreak reference - NEOT GOLAN Started on - 18/12/2021 First administrative division - Golan
Detailed characterization - - Ended on - 22/12/2021 Epidemiological unit - Farm
Geographic coordinates - Location - NEOT GOLAN
32.786587,35.692008

Description of the affected population The farm is a 13 weeks old meat turkeys. The farm is divided into 5 pens, The morbidity and mortality was observed in one pen containing males.

All the animals in the 5 pens were culled.

Species	Type	Measuring unit	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated
Birds	New	Animal	-	-	-	-	-	-
Birds	Total	Animal	17328	100	28	17300	0	0
All species	New	Animal	-	-	-	-	-	-
All species	Total	Animal	17328	100	28	17300	0	0

ob_91581-NAHALAL

Outbreak reference - Nahalal Started on - 11/10/2021 First administrative division - HaZafon
 Detailed characterization - - Ended on - 15/10/2021 Epidemiological unit - Farm
 Geographic coordinates - Location - NAHALAL
 32.690157,35.194605

Description of the affected population 13 weeks old meat turkeys, divided into 5 pens. The mortality (low) has been seen first in one of the pens. The mortality spread to another pen. PM have been done by a private veterinarian and severe lesions in the digestive tract have been seen. Samples have been sent to the laboratory. The stamping out process ended on 15-10-21.

Species	Type	Measuring unit	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated
Birds	New	Animal	-	-	-	-	-	-
Birds	Total	Animal	42000	700	200	41800	0	0
All species	New	Animal	-	-	-	-	-	-
All species	Total	Animal	42000	700	200	41800	0	0

ob_92685-EN ZURIM

Outbreak reference - EN ZURIM Started on - 17/11/2021 First administrative division - HaDarom
 Detailed characterization - - Ended on - 21/11/2021 Epidemiological unit - Farm
 Geographic coordinates - Location - EN ZURIM
 31.694621,34.71798

Description of the affected population 13 weeks old females and males meat turkeys, divided into 4 pens.

Species	Type	Measuring unit	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated
Birds	New	Animal	-	-	-	-	-	-
Birds	Total	Animal	21000	1000	500	20500	0	0
All species	New	Animal	-	-	-	-	-	-
All species	Total	Animal	21000	1000	500	20500	0	0

ob_94325-MARGALIYYOT

Outbreak reference - MARGALIYYOT Started on - 17/12/2021 First administrative division - HaZafon
 Detailed characterization - - Epidemiological unit - Farm Geographic coordinates -
 33.214437,35.544207

Number of outbreaks - 60 Location - MARGALIYYOT

Description of the affected population This is the first time that the disease attacked laying hens in Israel. The village is a village where there is a large number (60) of laying hens pens. First, all the laying hens in the village were planned to be culled, except 4 pens in the north of the village, which formed a separate epidemiological unit and where there were no symptoms.

On 24/12/21 High Mortality has been seen in this separate epidemiological unit which contained about 300,000 laying hens. Culling has been applied in all the laying hens farms in the village.

In the first affected farm, there were 3,450 laying hens, aged 88 weeks old with 6% of mortality and 30% of morbidity.

Species	Type	Measuring unit	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated
Birds	New	Animal	-	-	8000	280146	-	-
Birds	Total	Animal	564000	20000	16000	521146	0	0
All species	New	Animal	-	-	8000	280146	-	-
All species	Total	Animal	564000	20000	16000	521146	0	0

ob_95359-RAM-ON

Outbreak reference - RAM-ON 41+629 Started on - 02/01/2022 First administrative division - HaZafon
 Detailed characterization - - Ended on - 05/01/2022 Epidemiological unit - Farm
 Geographic coordinates - Location - RAM-ON
 33.2125,35.5454

Description of the affected population Heavy breeders (chickens). 2 farms:
 Farm 1 (#41): 35800 heavy breeders aged 56 weeks old, divided into 4 pens
 Farm 2 (#629): 27490 heavy breeders aged 20 weeks old, divided into 2 pens

Species	Type	Measuring unit	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated
Birds	New	Animal	63290	-	-	63290	0	0
Birds	Total	Animal	63290	-	-	63290	0	0
All species	New	Animal	63290	-	-	63290	0	0
All species	Total	Animal	63290	-	-	63290	0	0

ob_92686-KEFAR BARUKH

Outbreak reference - KEFAR BARUKH Started on - 17/11/2021 First administrative division - HaZafon
 Detailed characterization - - Ended on - 19/11/2021 Epidemiological unit - Farm
 Geographic coordinates - Location - KEFAR BARUKH
 32.645975,35.191412

Description of the affected population 1 day old to 7 weeks old fattening ducks.
 The disease have been seen in one of 7 populated pens, where 2000 seven weeks old ducks were raised.
 Neurologic symptoms including shivering were observed.

Species	Type	Measuring unit	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated
Birds	New	Animal	-	-	-	-	-	-
Birds	Total	Animal	17500	3100	1750	15750	0	0
All species	New	Animal	-	-	-	-	-	-
All species	Total	Animal	17500	3100	1750	15750	0	0

ob_95358-NAHALAL

Outbreak reference - NAHALAL 7145 Started on - 01/01/2022 First administrative division - HaZafon
 Detailed characterization - - Ended on - 04/01/2022 Epidemiological unit - Farm
 Geographic coordinates - Location - NAHALAL
 32.690158,35.194606

Description of the affected population 7 weeks old turkeys divided into 5 pens.

Species	Type	Measuring unit	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated
Birds	New	Animal	41880	300	250	41630	0	0
Birds	Total	Animal	41880	300	250	41630	0	0
All species	New	Animal	41880	300	250	41630	0	0
All species	Total	Animal	41880	300	250	41630	0	0

ob_95352-GADISH

Outbreak reference - GADISH Started on - 31/12/2021 First administrative division - HaZafon
 Detailed characterization - - Ended on - 03/01/2022 Epidemiological unit - Farm
 Geographic coordinates - Location - GADISH

32.558508,35.243596

Description of the affected population This outbreak is divided into two farms:

Farm 1 (#5610): contained 3,435 eggs table layers, aged 70 weeks old.

Farm 2 (#5165): contained 4,070 eggs table layers, aged 100 weeks old.

Species	Type	Measuring unit	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated
Birds	New	Animal	7505	150	150	7355	0	0
Birds	Total	Animal	7505	150	150	7355	0	0
All species	New	Animal	7505	150	150	7355	0	0
All species	Total	Animal	7505	150	150	7355	0	0

ob_95355-NEOT GOLAN

Outbreak reference - NEOT GOLAN

Started on - 01/01/2022

First administrative division - Golan

Detailed characterization - -

Ended on - 03/01/2022

Epidemiological unit - Farm

Geographic coordinates -

Location - NEOT GOLAN

32.786587,35.692008

Description of the affected population 5 weeks old turkeys in 1 pen.

Species	Type	Measuring unit	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated
Birds	New	Animal	13746	-	-	13746	0	0
Birds	Total	Animal	13746	-	-	13746	0	0
All species	New	Animal	13746	-	-	13746	0	0
All species	Total	Animal	13746	-	-	13746	0	0

ob_95360-AVIEL

Outbreak reference - AVIEL 7076

Started on - 02/01/2022

First administrative division - Haifa

Detailed characterization - -

Ended on - 05/01/2022

Epidemiological unit - Farm

Geographic coordinates -

Location - AVIEL

32.530381,34.991326

Description of the affected population 7 weeks old turkeys divided into 13 pens.

Species	Type	Measuring unit	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated
Birds	New	Animal	107000	-	-	107000	0	0
Birds	Total	Animal	107000	-	-	107000	0	0
All species	New	Animal	107000	-	-	107000	0	0
All species	Total	Animal	107000	-	-	107000	0	0

ob_92094-MAYAN ZEVI

Outbreak reference - MAYAN ZEVI

Started on - 29/10/2021

First administrative division - Haifa

Detailed characterization - -

Ended on - 31/10/2021

Epidemiological unit - Farm

Geographic coordinates -

Location - MAYAN ZEVI

32.568154,34.940126

Description of the affected population 35 weeks old breeding turkeys. The farm is divided into 4 pens. Sudden death have been seen in the farm.

Species	Type	Measuring unit	Susceptible	Cases	Deaths	Killed and	Slaughtered	Vaccinated
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						disposed of		
Birds	New	Animal	-	-	-	-	-	-
Birds	Total	Animal	4927	700	500	4427	0	0
All species	New	Animal	-	-	-	-	-	-
All species	Total	Animal	4927	700	500	4427	0	0

ob_95351-DEVORA

Outbreak reference - DEVORA Started on - 30/12/2021 First administrative division - HaZafon
Detailed characterization - - Ended on - 02/01/2022 Epidemiological unit - Farm
Geographic coordinates - Location - DEVORA
32.552188,35.262756

Description of the affected population 96 weeks old eggs table laying hens, divided into 2 pens.

Species	Type	Measuring unit	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated
Birds	New	Animal	35656	400	0	35656	0	0
Birds	Total	Animal	35656	400	0	35656	0	0
All species	New	Animal	35656	400	0	35656	0	0
All species	Total	Animal	35656	400	0	35656	0	0

ob_95350-BARAQ

Outbreak reference - BARAQ 3827 Started on - 29/12/2021 First administrative division - HaZafon
Detailed characterization - - Ended on - 30/12/2021 Epidemiological unit - Farm
Geographic coordinates - Location - BARAQ
32.542269,35.264879

Description of the affected population 92 weeks old table eggs laying eggs. One pen.

Species	Type	Measuring unit	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated
Birds	New	Animal	6325	30	30	6295	0	0
Birds	Total	Animal	6325	30	30	6295	0	0
All species	New	Animal	6325	30	30	6295	0	0
All species	Total	Animal	6325	30	30	6295	0	0

ob_95361-BINYAMINA-GIVAT ADA

Outbreak reference - BINYAMINA-GIVAT ADA Started on - 09/01/2022 First administrative division - Haifa
Detailed characterization - - Ended on - 12/01/2022 Epidemiological unit - Farm
Geographic coordinates - Location - BINYAMINA-GIVAT ADA
32.519513,34.964746

Description of the affected population Heavy breeders (chickens) aged 21 weeks.

Species	Type	Measuring unit	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated
Birds	New	Animal	18730	200	200	18530	0	0
Birds	Total	Animal	18730	200	200	18530	0	0
All species	New	Animal	18730	200	200	18530	0	0
All species	Total	Animal	18730	200	200	18530	0	0

Map legend

OUTBREAKS REPRESENTATION ON MAP

OUTBREAKS NATURE

Single / Cluster

- Domestic species ● ○
- Wild species ▲ △
- Domestic & Wild 🏠 🏠

OUTBREAKS STATUS

- Outbreak currently reported ●
- Ongoing outbreak ●
- Resolved outbreak ●

AGGREGATION REPRESENTATION

- < 20 outbreaks 11
- 20 - 100 outbreaks 50
- > 100 outbreaks 120



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