

## Follow-up report No.8

Report reference: MUGHAR, Reference OIE : 29524, Report Date : 13/02/2019, Country : Israel

### Report Summary

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		<b>Entered by</b>	Dr Michel Bellaiche
		<b>Date submitted to OIE</b>	

<b>Animal type</b>	Terrestrial	<b>Date of report</b>	13/02/2019
<b>Disease</b>	Foot and mouth disease	<b>Date of start of the event</b>	05/09/2018
<b>Causal Agent</b>	Foot and mouth disease virus	<b>Date of confirmation of the event</b>	09/09/2018
<b>Serotype(s)</b>	O	<b>Date of last occurrence</b>	16/07/2018
<b>Reason</b>	Recurrence of a listed disease	<b>Diagnosis</b>	Clinical, Laboratory (basic), Laboratory (advanced)
<b>Country or zone</b>	a zone or compartment	<b>Clinical signs</b>	Yes
<b>Number of reported outbreaks</b>	submitted= 20, Draft= 1	<b>Number of Outbreaks to Report</b>	1

### Outbreak details

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Hazafon-other report - submitted	-	Kineret		Farm	MUGHAR	32.8901583212	35.4072454563	05/09/2018	20/09/2018
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
Cattle	Animals	200	10	0	0	0			
Goats	Animals	40	0	0	0	0			
<b>Affected Population</b>	Herd of 200 free-ranging beef cattle and 40 goats. The herd was vaccinated in December 2017.								

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Hazafon-other report - submitted	-	Golan		Farm	SHAAL	33.1164826155	35.7152499326	25/09/2018	01/11/2018
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
Cattle	Animals	25	7	0	0	0			
<b>Affected Population</b>	25 fattening calves. The affected animals demonstrated salivation, mouth lesions and limping. The last vaccination before the outbreak was on 03/06/2018.								

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Hazafon-other report - submitted	-	Golan		Other	Hermon	33.2686121821	35.7697948947	05/11/2018	30/11/2018
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
Cattle	Animals	100	12	0	0	0			
<b>Affected Population</b>	Free ranging beef cattle. The herd had been vaccinated in September.								

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Hazafon-other report - submitted	-	Golan		Other	MASADE forests	33.23260865	35.756689744	16/11/2018	01/01/2019
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
Cattle	Animals	400	140	0	0	0			
<b>Affected Population</b>	7 herds of free ranging beef cattle. Last vaccination- in the middle of June.								

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Hazafon-other report - submitted	-	Golan		Other	Amir Junction	33.1164826155	35.7152499326	16/11/2018	01/01/2019
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			
Cattle	Animals	220	2	0	0	0			
Affected Population	Free ranging beef cattle. Last vaccination - 06/01/2018								

  

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Hazafof-other report - submitted	-	Golan		Other	Mount AVITAL AJ	33.0962932997	35.7954674495	16/11/2018	01/01/2019
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
Cattle	Animals	180	50	0	0	0			
Affected Population	Free ranging beef cattle. Last vaccination - 25/06/2018								

  

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Hazafof-other report - submitted	-	Tsefat		Other	Near Baniass Ein Pit	33.2294702497	35.6386676647	17/11/2018	01/01/2019
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
Cattle	Animals	80	25	0	0	0			
Affected Population	Free ranging beef cattle. Last vaccination - 10/06/2018								

  

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Hazafof-other report - submitted	-	Tsefat		Other	KEFAR SZOLD	33.1960438325	35.6578048349	26/11/2018	19/12/2018
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
Cattle	Animals	140	50	0	0	0			
Affected Population	Free ranging beef cattle. The herd consists of 140 cows that have been vaccinated 6 times in their lifetime, the last vaccination was on 15/10/2018. The farmer reports that he has seen several limping wild boars among the cattle.								

  

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Hazafof-other report - submitted	-	Tsefat		Other	SENIR (near Banias)	33.2392546567	35.6751936229	01/12/2018	19/12/2018
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
Cattle	Animals	130	10	0	0	0			
Affected Population	Free ranging beef cattle. Last vaccination 08/11/2018								

  

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Hazafof-other report - submitted	-	Tsefat		Other	GONEN	33.1230557544	35.6467149221	05/12/2018	01/01/2019
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
Cattle	Animals	110	15	0	0	0			
Affected Population	Free ranging beef cattle. Last vaccination - 10/04/2018.								

  

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Hazafof-other report - submitted	-	Golan		Other	GHAJAR	33.2700988797	35.6216966158	05/12/2018	01/01/2019
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
Cattle	Animals	130	10	0	0	0			
Affected Population	Free ranging beef cattle. Last vaccination - 01/06/2018								

  

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Hazafof-other report - submitted	-	Tsefat		Natural park	Banias Park	33.2294702497	35.6386676647	05/12/2018	10/12/2018
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			

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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			
Mountain gazelle:Bovidae(Gazella gazella)	Animals	...	1	1	0	0			
Affected Population	The gazelle was found dead and samples were taken to the lab. Abscess in the hoof has been seen.								

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			
Hazafon-other report - submitted	-	Tsefat		Natural park	Around Snir	33.2392546	35.6751936	09/12/2018	11/12/2018
Mountain gazelle:Bovidae(Gazella gazella)	Animals	...	1	1	0	0			
Affected Population	The gazelle was found dead.								

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			
Hazafon-other report - submitted	-	Tsefat		Other	LAHAVOT HABASHAN	33.1410871111	35.6468053359	10/12/2018	01/01/2019
Cattle	Animals	130	5	0	0	0			
Affected Population	Free ranging beef cattle. Last vaccination 04/11/2018.								

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			
Hazafon-other report - submitted	-	Tsefat		Other	Tel Dan (Senir)	33.239333999	35.6537366207	11/12/2018	01/01/2019
Cattle	Animals	170	2	0	0	0			
Affected Population	Free ranging beef cattle. Last vaccination - 17/10/2018								

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			
Hazafon-other report - submitted	-	Golan		Other	ORTAL	33.087445035	35.758993744	19/12/2018	25/01/2019
Cattle	Animals	300	100	0	0	0			
Affected Population	Two groups of free ranging cattle. One of 200 heads and the second 100 heads. Last vaccination - October 2018								

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			
Hazafon-other report - submitted	-	Tsefat		Farm	SHAMIR	33.1644853519	35.658714327	26/12/2018	20/01/2019
Cattle	Animals	300	30	0	0	0			
Affected Population	Feedlot. Last vaccination - 12/01/2018								

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			
Hazafon-other report - submitted	-	Golan		Natural park	MASADE FOREST	33.2326086451	35.7566897447	31/12/2018	15/01/2019
Wild boar:Suidae(Sus scrofa)	Animals	...	2	...	2	0			
Affected Population	Two wild boars were shot and sampled for FMD. The hoofs were detached. In the region more wild boars have been seen limping.								

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Hazafoon-other report - submitted	-	Tsefat		Other	GONEN	33.12305575	35.64671492	25/01/2019	11/02/2019
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
Cattle	Animals	300	25	0	0	0			
Affected Population	Free ranging beef cattle. 200 dams and 100 calves. All the morbidity have been seen in the calves. The herd has last been vaccinated in December 2018.								

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Hazafoon-other report - submitted	-	Acco		Other	TAMRA	32.8506507935	35.2063373005	26/01/2019	
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
Cattle	Animals	65	4	0	0	0			
Affected Population	Last vaccination: 2 years ago. Lesions on the tongue and limping.								

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Hazafoon- (this report - draft)	-	Golan		Other	YONATAN	32.9394263258	35.7933526587	01/02/2019	
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
Cattle	Animals	80	10	0	0	0			
Affected Population	Free ranging beef cattle. Last vaccination have been done in December 2018.								

#### Outbreak summary: Total outbreaks = 1 (Draft)

Species	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered
Cattle	80	10	0	0	0

#### Outbreak summary: Total outbreaks = 20 (Submitted)

Species	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered
Cattle	2980	497	0	0	0
Goats	40	0	0	0	0
Mountain gazelle		2	2	0	0
Wild boar		2		2	0

#### Epidemiology

##### Epidemiological comments

The virus lineage is O/ME/Panasia-2

##### Source of the outbreak(s) or origin of infection

• Unknown or inconclusive

#### Measures applied

Applied	To be applied
<ul style="list-style-type: none"> <li>• movement control inside the country</li> <li>• vaccination in response to the outbreak (s)</li> <li>• surveillance outside containment and/or protection zone</li> <li>• surveillance within containment and/or protection zone</li> <li>• quarantine</li> <li>• zoning</li> </ul>	<ul style="list-style-type: none"> <li>• no planned control measures</li> </ul>
Animals treated	Vaccination Prohibited
No	No

#### Diagnostic test results

Laboratory Type	Name of Laboratory	Species	Test Type	Date results provided	Result
National laboratory	Virology Laboratory, Kimron Veterinary Institute	Cattle	pathogen isolation on cell culture	30/01/2019	Positive

Laboratory Type	Name of Laboratory	Species	Test Type	Date results provided	Result
National laboratory	Virology Laboratory, Kimron Veterinary Institute	Cattle	reverse transcription - polymerase chain reaction (RT-PCR)	31/01/2019	Positive

### Future Reporting

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

## Outbreak maps

