

Immediate notification report

Report reference: 15-408-00002 REF OIE 17092, Report Date: 30/01/2015, Country : Germany

Report Summary

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Animal type	Terrestrial	Date of report	30/01/2015
Disease	Glanders	Date of start of the event	01/12/2014
Causal Agent	Burkholderia mallei	Date of pre-confirmation of the event	27/01/2015
Reason	Reoccurrence of a listed disease	Date of last occurrence	1955
Country or zone	a zone or compartment	Diagnosis	Laboratory (advanced)
Number of reported outbreaks	submitted= 1, Draft= 0	Clinical signs	No

Outbreak details

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
NIEDERSACHSEN- (this report - submitted)	-	Osnabrück		Farm	Bippen	52.584212	7.74417	01/12/2014	27/01/2015
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Equidae	Animals	31	1	0	1	0			
Affected Population	The affected horse was born in May 2008 and kept in the holding concerned since November 2014. On 26 November 2014 a blood sample has been taken for export purposes to a Third country with respect to glanders. The horse showed no clinical signs and has been kept separately from other horses during the pre-export quarantine. The complement fixation test showed a positive result (Land laboratory); the Friedrich-Loeffler-Institut (FLI)(National Reference Laboratory for Glanders) confirmed the result and revealed also a positive result with the immunoblot method. A second blood sample was taken and the results of this investigation confirmed the first results. As there were no epidemiological evidence for the infection the affected horse has been culled for diagnostic purposes on 13 December 2014. The bacteriological investigations of the organs showed negative results for Burkholderia mallei. The investigation of skin samples with immunohistological methods showed doubtful results. Further investigation of scabs of skin samples (fixed in formalin) with PCR showed positive results. The infection with Burkholderia mallei was confirmed on 27 January 2015.								

Outbreak summary: Total outbreaks = 1 (Submitted)

Species	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Equidae	31	1	0	1	0

Epidemiology

Epidemiological comments
The affected holding has been put immediately under restriction following the first serological positive test (1 December 2014). All other equines of the affected holding have been investigated three times every two weeks with negative results. The affected equine has been culled for diagnostic purposes. Cleansing and disinfection of the affected holding has been carried out and finished on 27 January 2015. The infection with B. mallei has been resolved from 27 January 2015. Epidemiological investigations have started with the help of Friedrich-Loeffler Institute . It is known that the affected animal had never been moved outside of Germany. There might have been indirect contacts to South America. The source of infection is still unknown.
Source of the outbreak(s) or origin of infection
• Unknown or inconclusive

Measures applied

Applied	To be applied
• screening • disinfection of infected premises/establishment(s) • modified stamping out	• no planned control measures
Animals treated	Vaccination Prohibited
No	No

Diagnostic test results

Laboratory Type	Name of Laboratory	Species	Test Type	Date Results Provided	Result
National laboratory	Friedrich-Loeffler-Institut	Equidae	real-time PCR	23/01/2015	Positive
National laboratory	Friedrich-Loeffler-Institut	Equidae	complement fixation test (CFT)	10/12/2014	Positive
National laboratory	Friedrich-Loeffler-Institut	Equidae	western blot	10/12/2014	Positive

Future Reporting

Outbreak maps

