

## Foot and Mouth Disease, South Africa

Information received on 11/12/2015 from Dr Bothle Michael Modisane, Chief Director , Department of Agriculture, Forestry and Fisheries, Animal Production and Health, PRETORIA, South Africa

### Summary

Report type	Immediate notification
Date of start of the event	08/12/2015
Date of confirmation of the event	10/12/2015
Report date	11/12/2015
Date submitted to OIE	11/12/2015
Reason for notification	Reoccurrence of a listed disease
Date of previous occurrence	10/02/2015
Manifestation of disease	Clinical disease
Causal agent	Foot and mouth disease virus
Serotype	SAT 3
Nature of diagnosis	Laboratory (advanced)
This event pertains to	a defined zone within the country

### New outbreaks

<b>Summary of outbreaks</b>	<b>Total outbreaks: 1</b>					
Outbreak Location	<ul style="list-style-type: none"> <li>LIMPOPO ( FMD_2015_SAT3_001, Thulamela )</li> </ul>					
Total animals affected	<i>Species</i>	<i>Susceptible</i>	<i>Cases</i>	<i>Deaths</i>	<i>Destroyed</i>	<i>Slaughtered</i>
	Cattle	1200	14	0	0	0
Outbreak statistics	<i>Species</i>	<i>Apparent morbidity rate</i>	<i>Apparent mortality rate</i>	<i>Apparent case fatality rate</i>	<i>Proportion susceptible animals lost*</i>	
	Cattle	1.17%	0.00%	0.00%	0.00%	
* Removed from the susceptible population through death, destruction and/or slaughter;						

### Epidemiology

Source of the outbreak(s) or origin of infection	<ul style="list-style-type: none"> <li>Contact with wild species</li> </ul>
Epidemiological comments	The outbreak occurred in cattle at one diptank within South Africa's FMD protection zone and therefore has no effect on South Africa's FMD free status.

### Control measures

Measures applied	<ul style="list-style-type: none"> <li>Movement control inside the country</li> <li>Quarantine</li> <li>No vaccination</li> <li>No treatment of affected animals</li> </ul>
Measures to be applied	<ul style="list-style-type: none"> <li>Vaccination in response to the outbreak (s)</li> <li>Surveillance within containment and/or protection zone</li> </ul>

**Diagnostic test results**

Laboratory name and type	Agricultural Research Council - Onderstepoort Veterinary Institute (ARC – OVI) ( OIE Reference Laboratory )			
Tests and results	<i>Species</i>	<i>Test</i>	<i>Test date</i>	<i>Result</i>
	Cattle	liquid-phase blocking ELISA	10/12/2015	Positive
	Cattle	polymerase chain reaction (PCR)	10/12/2015	Positive
	Cattle	virus isolation		Pending

**Future Reporting**

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