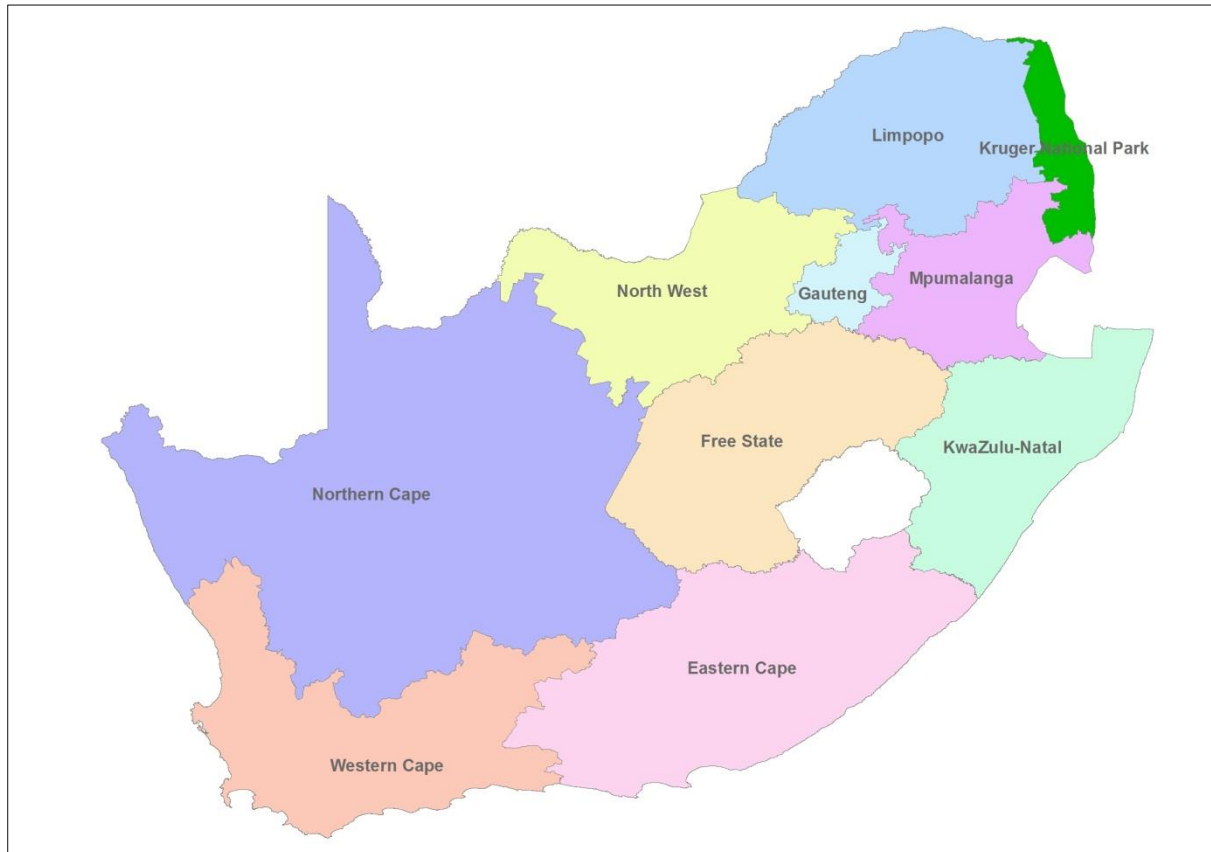


# Animal Disease Reporting for the month March 2017

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Sub-Directorate Epidemiology  
Directorate Animal Health  
15 June 2017

## Introduction

According to the Animal Diseases Act, 1984 (Act 35 of 1984) Controlled and Notifiable Diseases must be reported to the local State Veterinarian. The local State Veterinarian compiles a monthly report on diseases that occurred in his/her State Vet Area and submits this report to the Provincial Director of Veterinary Services. At a Provincial level, all these reports are combined to compile a disease report for the province and this report is submitted to the Sub-Directorate Epidemiology in the Directorate Animal Health at the Department of Agriculture, Forestry and Fisheries. All the provincial reports are combined to compile a national disease report.

### Purpose of disease reporting

Reasons for disease reporting are:

- Proof of freedom
- Detection of outbreaks of important diseases
  - Prevent the spread of the disease
  - Institute control programs
  - Eradication of a disease
  - Warn neighbouring farmers/trade partners/neighbouring countries
  - Prevent the spread/occurrence of a disease in humans, e.g. rabies
  - Decrease the economic impact of a disease
  - Prevent spread of diseases to trading partners
- Disease control

### Summary Statistics of the March 2017 report

The following summary table has been compiled using simple count statistics

Total number of outbreak and vaccination reports (data lines)	3166
Total number of outbreaks	218
Total number of animals involved (cases)	1778
Total number of diseases involved in outbreaks	41
Total number of State Vet Areas that reported	97
Total number of Local Municipalities reported from	180
Total number of species involved in outbreaks	18

## Reported Disease Outbreaks

The following tables indicate the disease outbreaks reported by the Provincial Veterinary Services.

### Controlled Diseases

The following table indicates the reports of Controlled Diseases

	Eastern Cape Province	Free State	Gauteng	Kruger National Park	KwaZulu-Natal	Limpopo	Mpumalanga	North West Province	Northern Cape Province	Western Cape Province	Total
African Horse Sickness	0	1	26	0	8	2	3	7	5	0	52
Anthrax	0	0	0	4	0	0	0	0	0	0	4
Avian Influenza: H6	0	0	1	0	0	0	0	0	0	0	1
Bovine Brucellosis (Brucella abortus )	0	0	2	0	0	0	0	2	0	0	4
Bovine Tuberculosis (Mycobacterium bovis)	0	0	0	2	0	0	0	0	0	0	2
Brucella Ovis Infection (Ovine Epididymitis)	0	0	0	0	1	0	0	0	0	0	1
Corridor Disease	0	0	0	0	0	1	0	0	0	0	1
FMD - Virus SAT 2	0	0	0	0	0	0	2	0	0	0	2
Fowl Typhoid (Salmonella gallinarum)	0	0	1	0	0	0	0	0	0	0	1
Newcastle Disease	0	0	2	0	0	0	0	0	0	0	2
Paratuberculosis (Johne's Disease)	0	0	0	0	0	0	0	0	0	1	1
Psittacosis And Ornithosis (Chlamydiosis)	0	0	1	0	0	0	1	0	0	0	2
Rabies	2	2	0	0	5	0	1	6	0	0	16
Salmonella enteritidis	0	0	0	0	0	0	0	0	0	6	6
Sheep Scab	0	1	0	0	0	0	0	0	0	0	1
<b>Total</b>	<b>2</b>	<b>5</b>	<b>33</b>	<b>6</b>	<b>14</b>	<b>3</b>	<b>7</b>	<b>15</b>	<b>5</b>	<b>7</b>	<b>96</b>

## Notifiable diseases

The following table indicates the reports of Notifiable diseases

	Eastern Cape Province	Free State	Gauteng	Kruger National Park	KwaZulu-Natal	Limpopo	Mpumalanga	North West Province	Northern Cape Province	Western Cape Province	Total
Bluetongue	0	12	5	0	0	0	0	4	4	10	35
Bovine Malignant Catarrhal fever	1	1	0	0	0	0	0	0	0	0	2
Lumpy Skin Disease	4	7	3	0	1	0	0	31	2	1	49
Swine Erysipelas / Diamond skin disease	0	0	0	0	0	0	0	0	0	1	1
Total	5	20	8	0	1	0	0	35	6	12	87

## Other diseases

The following table indicates the reports of diseases that are not Controlled or Notifiable. Reporting of these diseases are not compulsory.

	Eastern Cape Province	Free State	Gauteng	Kruger National Park	KwaZulu-Natal	Limpopo	Mpumalanga	North West Province	Northern Cape Province	Western Cape Province	Total
Anaplasmosis	1	0	0	0	0	1	0	0	0	0	2
Babesiosis (Redwater)	1	1	0	0	0	0	0	1	0	0	3
Bovine ephemeral fever / Three day stiffness	0	2	0	0	0	0	0	0	0	0	2
Canine Distemper	1	0	0	0	0	1	0	0	0	1	3
Cysticercosis (Cysticercus bovis)	0	0	0	0	0	0	0	7	0	0	7
Equine Babesiosis (Equine Piroplasmosis)	0	0	0	0	0	0	1	0	0	0	1
Heartwater	5	0	0	0	0	1	0	0	0	0	6
Koi Herpes Virus	0	0	1	0	0	0	0	0	0	0	1
Other Clostridial Infections	0	0	0	0	0	0	0	0	0	4	4
Other Pasteurellosis	0	0	0	0	0	0	0	0	0	1	1
Pulmonary Adenomatosis (Jaagsiekte)	1	0	0	0	0	0	0	0	0	0	1

	<b>Eastern Cape Province</b>	<b>Free State</b>	<b>Gauteng</b>	<b>Kruger National Park</b>	<b>KwaZulu-Natal</b>	<b>Limpopo</b>	<b>Mpumalanga</b>	<b>North West Province</b>	<b>Northern Cape Province</b>	<b>Western Cape Province</b>	<b>Total</b>
Sarcoptic Mange	0	0	0	0	0	0	0	0	0	3	3
West Nile Fever	0	0	1	0	0	0	0	0	0	0	1
<b>Total</b>	<b>9</b>	<b>3</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>1</b>	<b>8</b>	<b>0</b>	<b>9</b>	<b>35</b>

## Information and maps of Specific Diseases

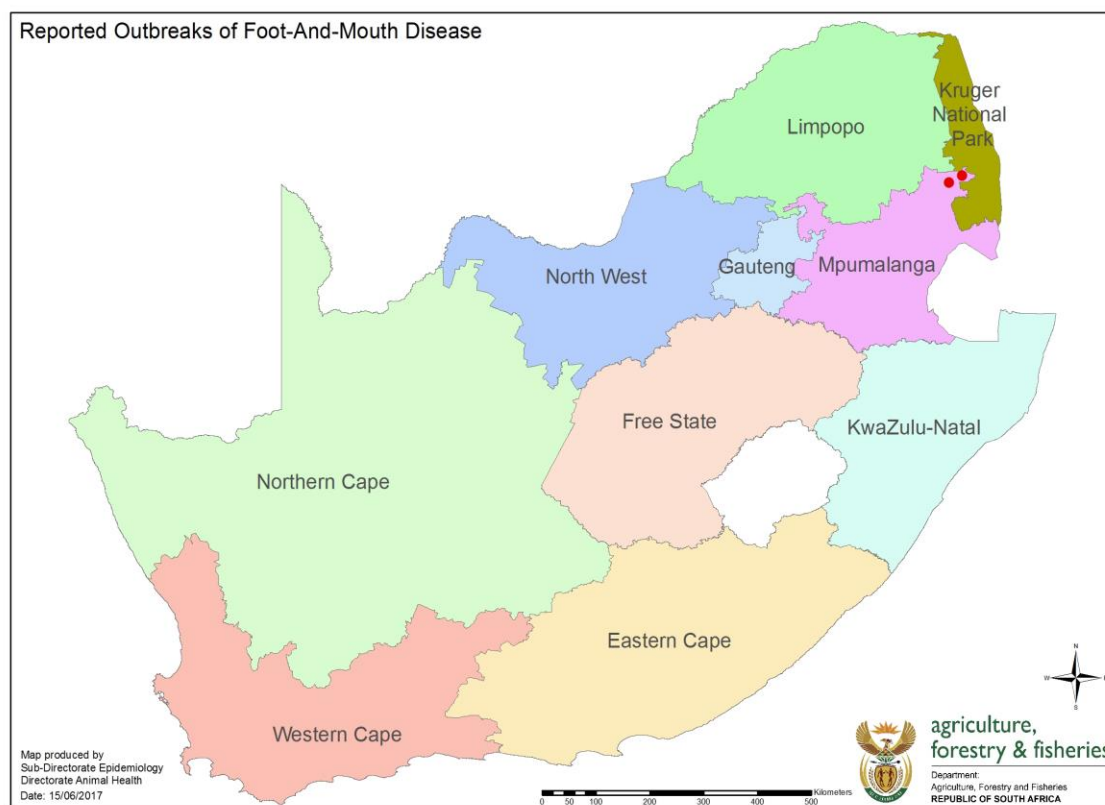
### Foot and mouth disease (FMD)

The following table indicates the number of reported FMD outbreaks per province

Province	Number of reported outbreaks
Mpumalanga	2

An outbreak of FMD with clinical lesions was reported in the Bushbuckridge municipality of the Mpumalanga Province where vaccination against FMD is routinely carried out. PCR positive results have been recorded on 2 locations. Lesions suggestive of FMD have also been found on a further six locations, however samples from these locations tested negative on PCR. Serological diagnostic methods were not employed because the outbreak occurred in the vaccination zone and the vaccine currently being used is reported to be impure.

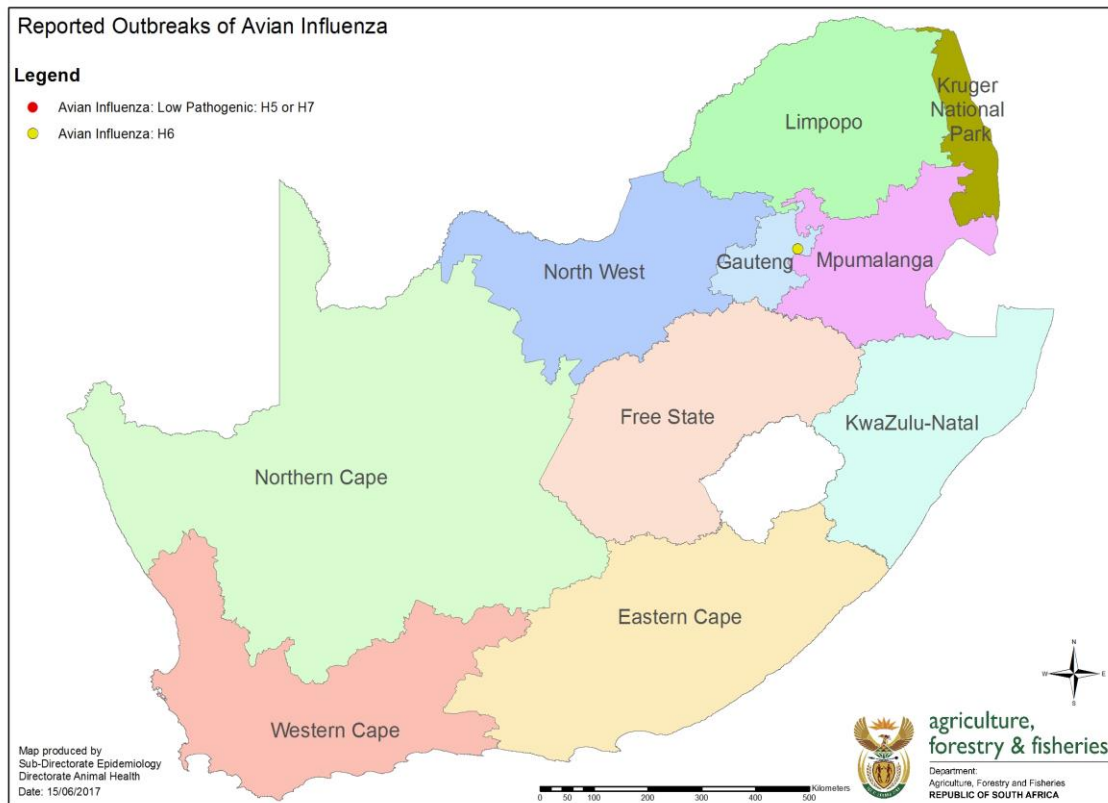
Viral isolation is still pending at OVI. An intensive disease surveillance has been rolled out for the entire Bushbuckridge area, so as to gather more information about the outbreak. There have been reported damages to the Kruger National Park fence and stray buffaloes have been sighted in the area. The outbreak was reported to the OIE and the disease control strategies as stipulated in the FMD Contingency Plan were employed.



## Avian Influenza

The following table indicates the number of reported Avian Influenza outbreaks per province

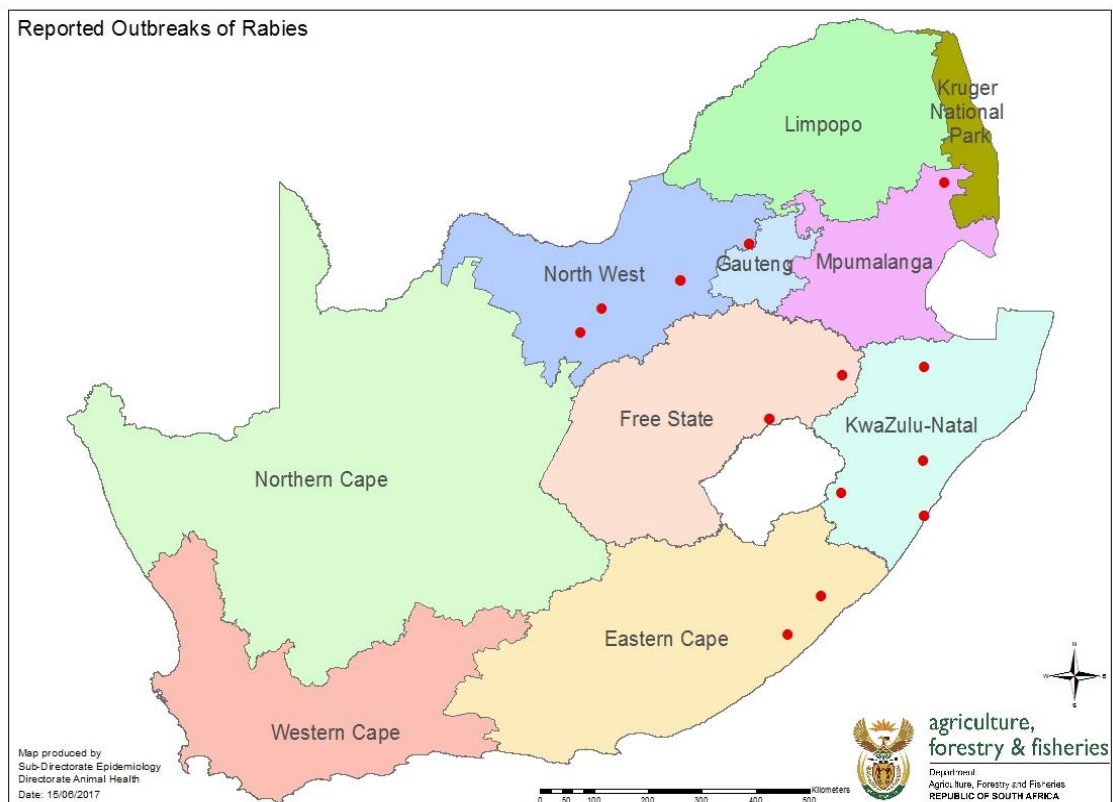
Province	Avian Influenza Strain	Number of reported outbreaks
Gauteng	Avian Influenza: H6	1



## Rabies

The following table indicates the number of reported rabies outbreaks per province

Province	Number of reported outbreaks
Eastern Cape Province	2
Free State	2
KwaZulu-Natal	5
Mpumalanga	1
North West Province	6

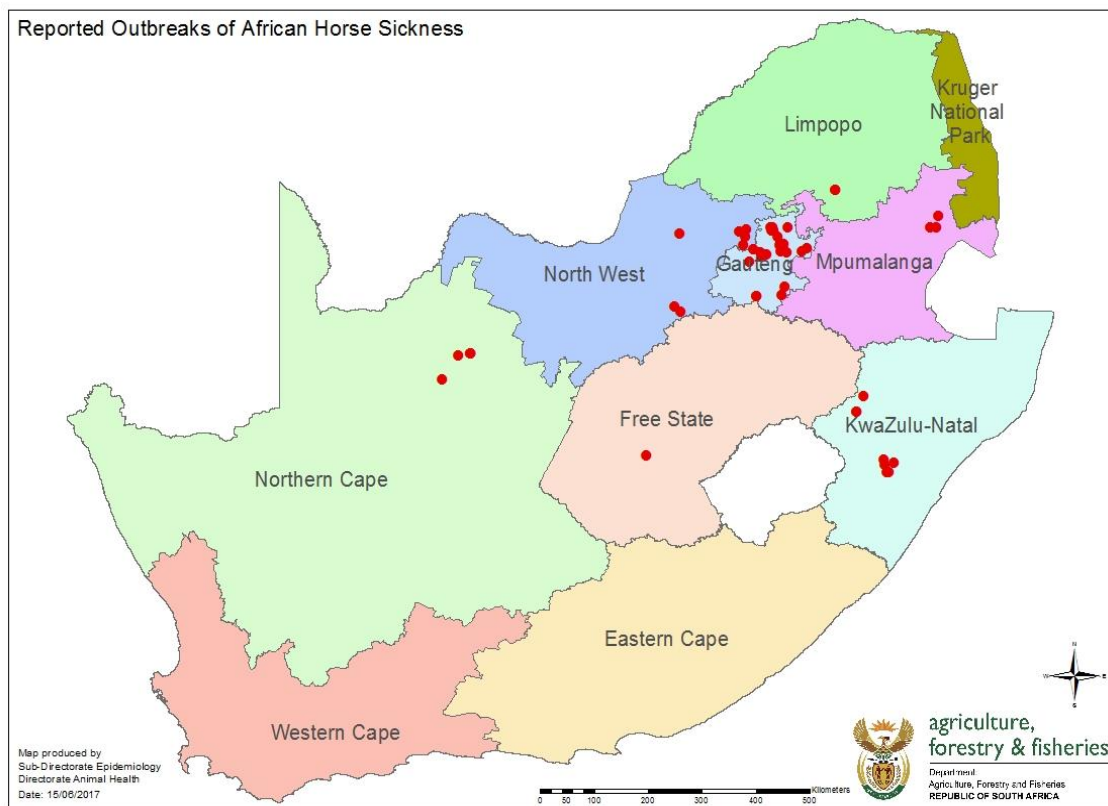




## African Horse Sickness

The following table indicates the number of reported AHS outbreaks per province

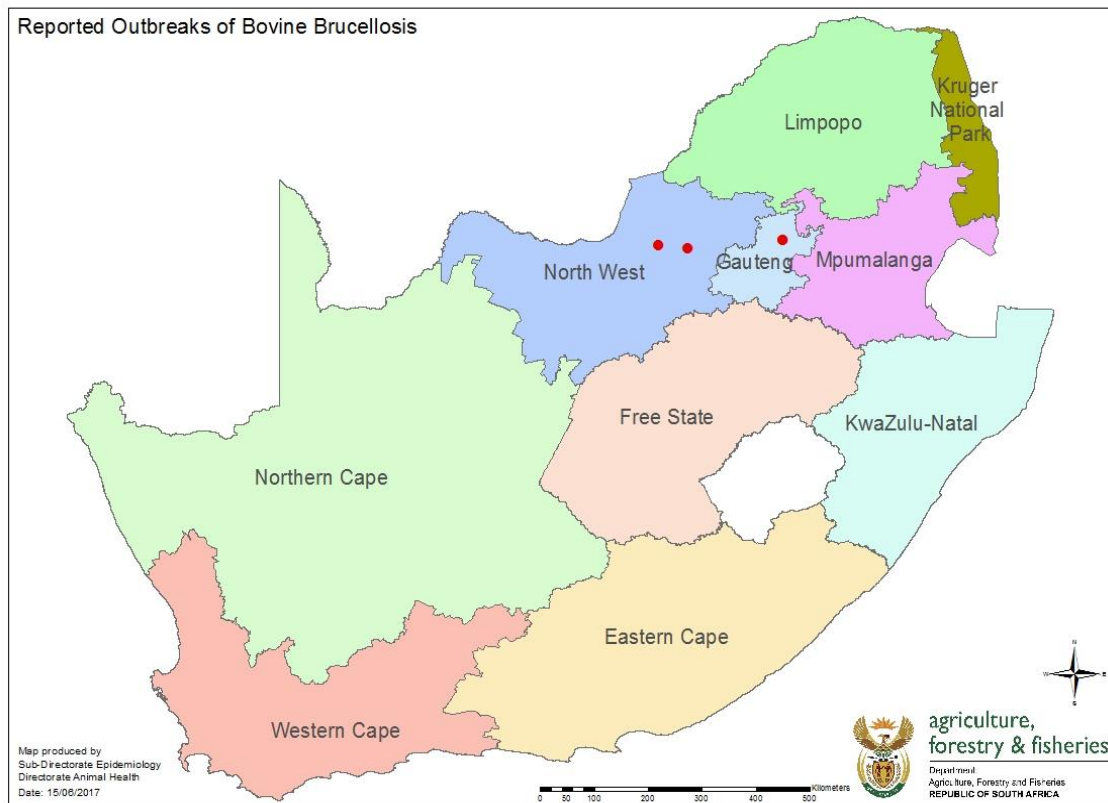
Province	Number of reported outbreaks
Free State	1
Gauteng	26
KwaZulu-Natal	8
Limpopo	2
Mpumalanga	3
North West Province	7
Northern Cape Province	5



## Bovine Brucellosis

The following table indicates the number of reported Bovine Brucellosis outbreaks per province

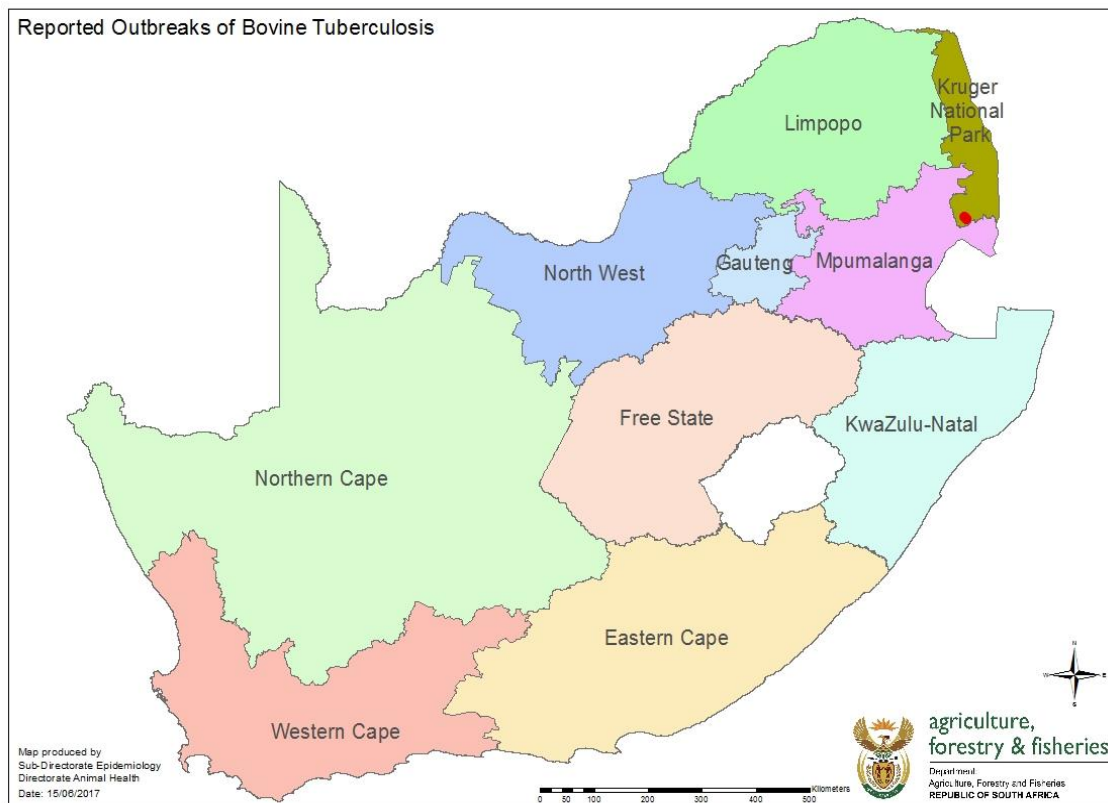
Province	Number of reported outbreaks
Gauteng	2
North West Province	2



## Bovine Tuberculosis

The following table indicates the number of reported Bovine Tuberculosis outbreaks per province

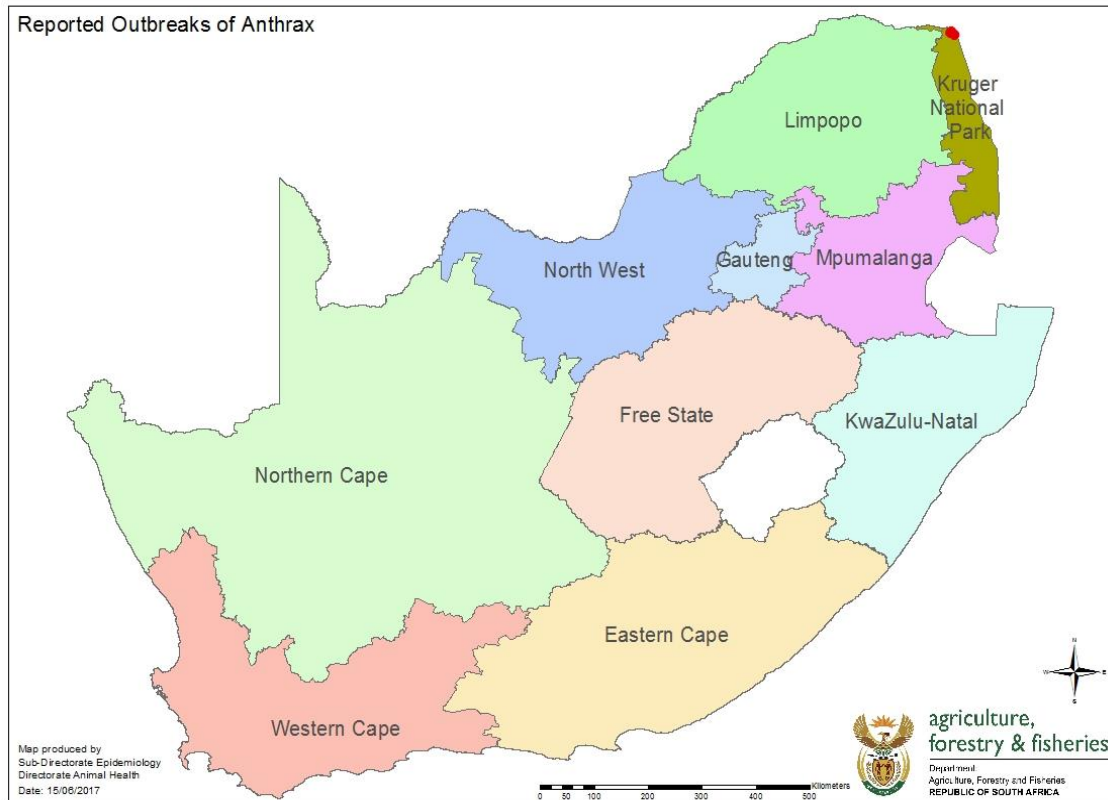
Province	Number of reported outbreaks
Kruger National Park	2



## Anthrax

The following table indicates the number of reported Anthrax outbreaks per province

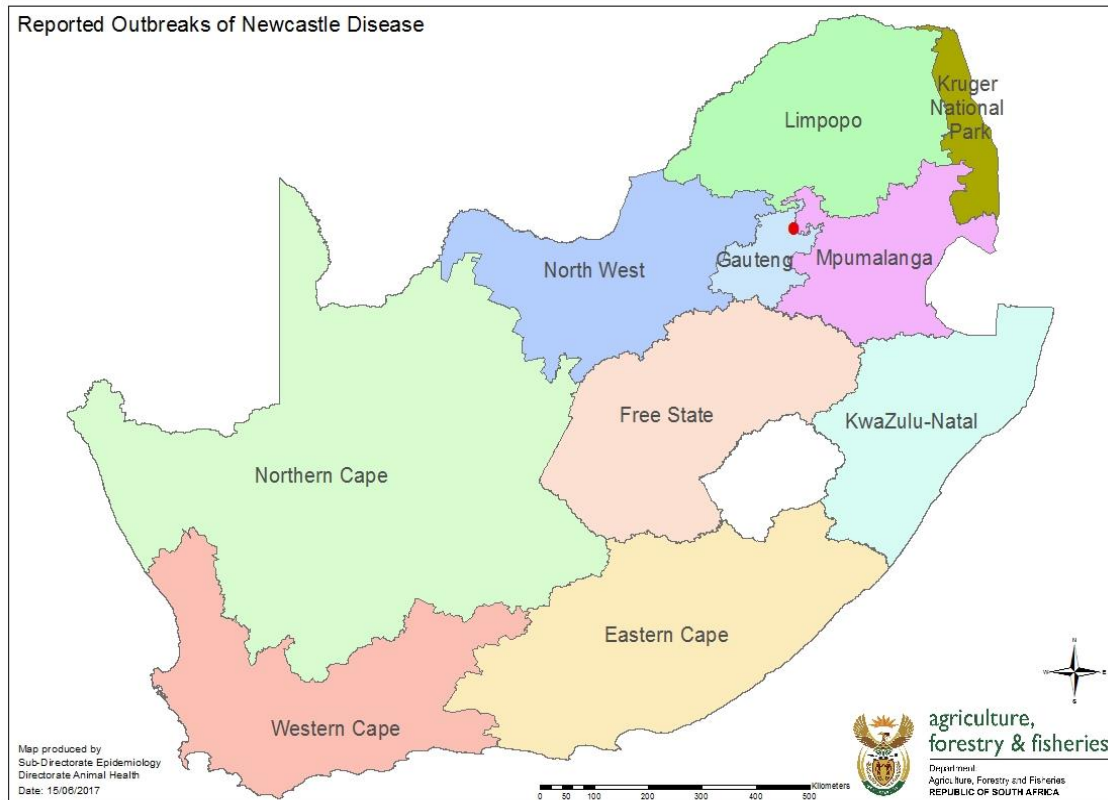
Province	Number of reported outbreaks
Kruger National Park	4



## Newcastle Disease

The following table indicates the number of reported Newcastle outbreaks per province

Province	Number of reported outbreaks
Gauteng	2



## Disclaimer

Please take note that this report was automatically compiled using R, R-Studio, several R packages and the South African Animal Health Information System (SAAHIS). Any errors in the data will be copied verbatim into this report.

The data in this report only reflects reports received from the Provincial Veterinary Services and the data was not collected for the purposes of research. Any interpretation of this data should be done with full consideration of the situation on the ground and South Africa's Disease Reporting System.

For further details please contact the Sub-Directorate Epidemiology, Directorate Animal Health ([Epidemiology@daff.gov.za](mailto:Epidemiology@daff.gov.za)).

## References

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Gohel, D., 2015, 'ReporteRs: Microsoft Word, Microsoft Powerpoint and HTML Documents Generation', from <http://cran.r-project.org/package=ReporteRs>.

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