

# Animal Disease Reporting for the month November 2019

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Sub-Directorate Epidemiology  
Directorate Animal Health  
14 February 2020

## 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 November 2019 report

Total number of outbreak and vaccination reports (data lines)	2817
Total number of outbreaks	83
Total number of animals involved (cases)	475
Total number of diseases involved in outbreaks	45
Total number of State Vet Areas that reported	94
Total number of Local Municipalities reported from	154
Total number of species involved in outbreaks	20

## 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	0	0	0	0	0	0	1	0	0	1
African Swine Fever	0	0	0	0	0	0	1	0	0	0	1
Avian Influenza: Highly Pathogenic: All HP, H5 And H7 / Fowl Plague	0	0	0	0	0	0	0	0	0	1	1
Avian Influenza: Low Pathogenic : Other	0	0	0	0	0	0	0	0	1	3	4
Bovine Brucellosis (Brucella abortus )	0	3	6	0	1	0	2	0	0	1	13
Bovine Tuberculosis (Mycobacterium bovis)	0	1	0	0	0	0	0	0	0	0	1
FMD - Virus SAT 2	0	0	0	0	0	12	0	0	0	0	12
Koi Herpes Virus	0	0	1	0	0	0	0	0	0	0	1
Paratuberculosis (Johne's Disease)	0	0	0	0	0	0	0	0	0	1	1
Rabies	4	4	0	0	13	0	1	0	2	1	25
Salmonella enteritidis	0	0	0	0	0	0	0	0	0	2	2
Sheep Scab	0	2	0	0	0	0	0	0	1	0	3
Total	4	10	7	1	14	12	4	1	4	9	65

## 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
Bovine Malignant Catarrhal fever	0	1	1	0	0	0	0	3	1	0	6
Swine Erysipelas / Diamond skin disease	0	0	0	0	0	0	0	0	0	1	1
Total	0	1	1	0	0	0	0	3	1	1	7

## 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
Brucella Ovis Infection (Ovine Epididymitis)	0	0	0	0	0	0	0	0	0	1	1
Canine Babesioses	0	2	0	0	0	0	0	0	0	0	2
Canine Distemper	0	1	0	0	0	0	0	0	0	0	1
Canine Parvo Virus	0	1	0	0	0	0	0	0	0	0	1
Cysticercosis (Cysticercus bovis)	0	0	0	0	0	0	0	2	0	0	2
E. coli/Colibacillosis	0	2	0	0	0	0	0	0	0	0	2
Human Tuberculosis	0	0	0	0	0	0	0	0	0	1	1
Mastitis	0	0	0	0	0	0	1	0	0	0	1
Total	0	6	0	0	0	0	1	2	0	2	11

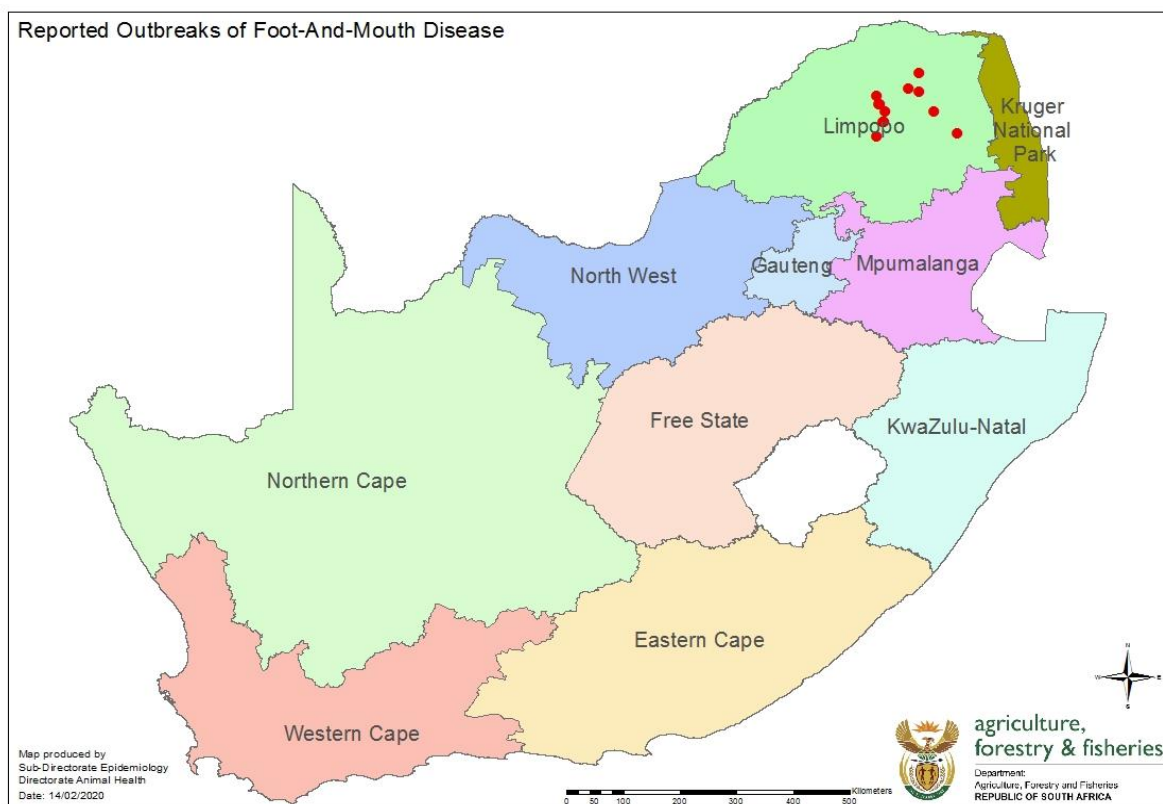
## Information and maps of Specific Diseases

### Foot and mouth disease (FMD)

An outbreak of FMD SAT-2 was detected in a feedlot in Limpopo in South Africa's suspended FMD free zone. The origin was traced to four auctions at two auction places. A total number of 12 outbreaks connected to the auctions were detected in November with further follow-ups continuing.

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

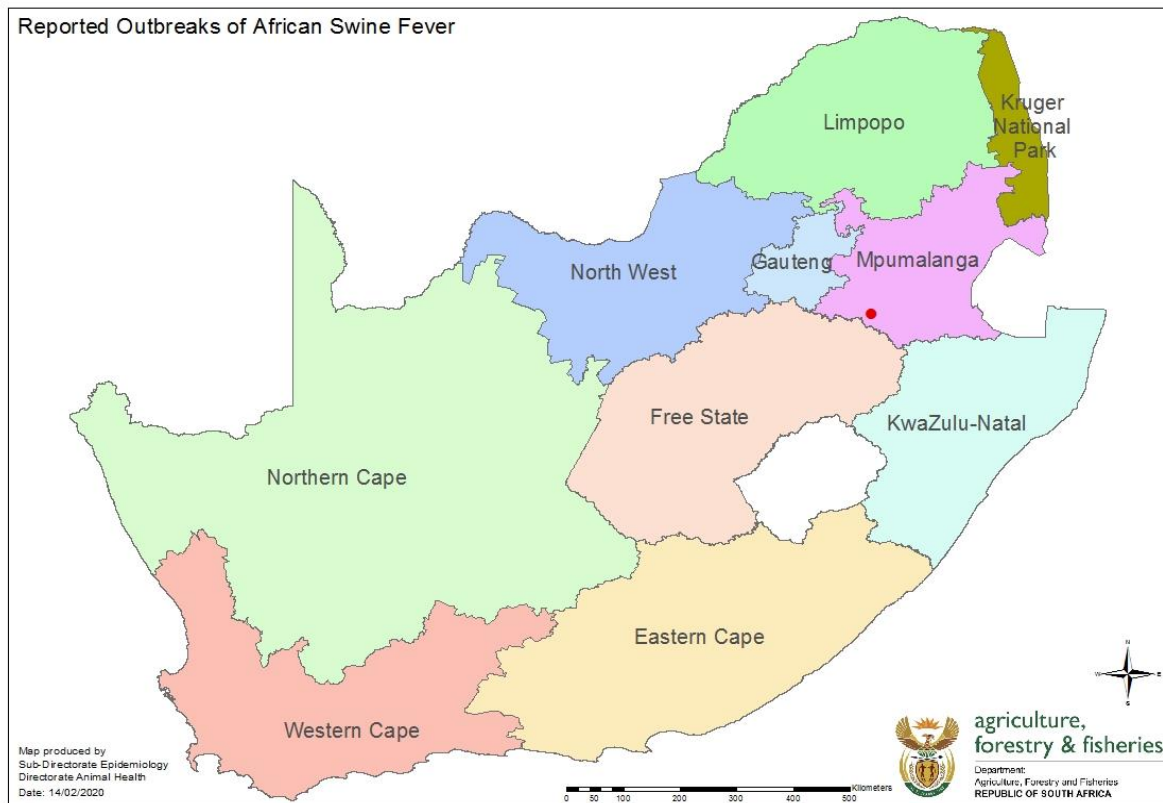
Province	Number of reported outbreaks
Limpopo	12



## African swine fever (ASF)

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

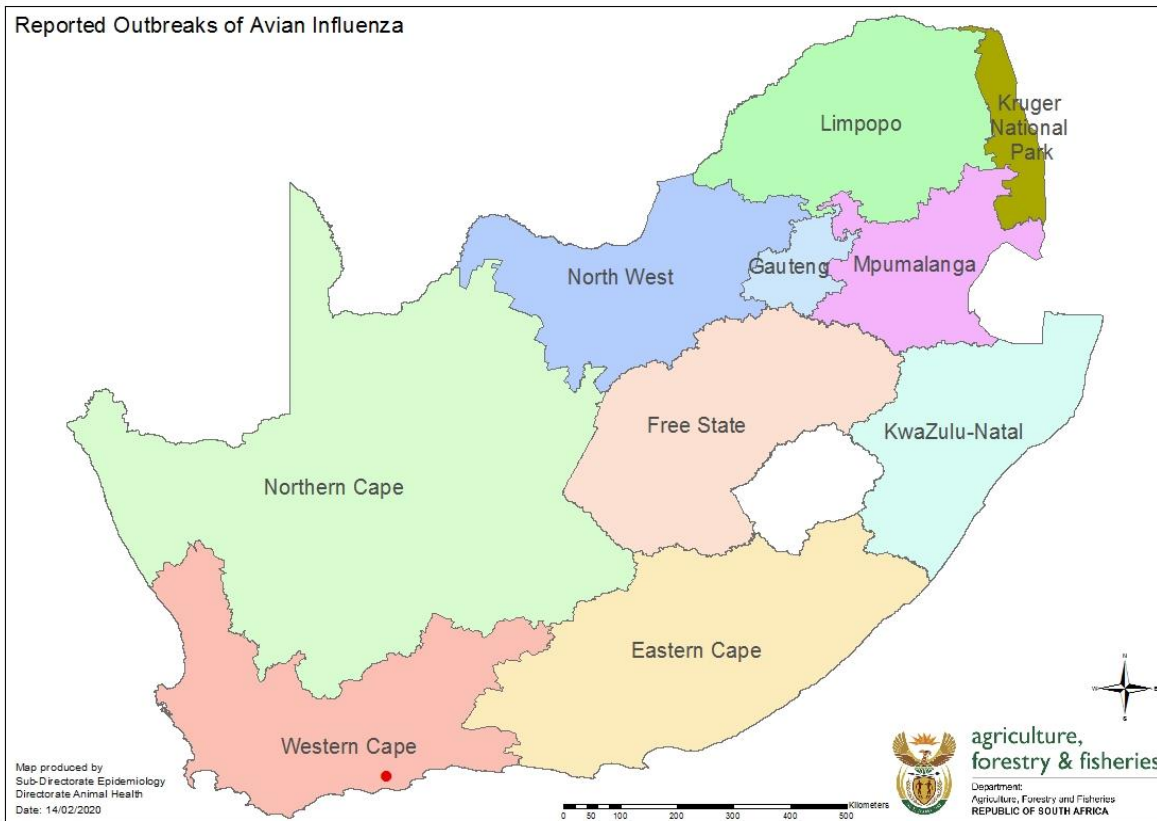
Province	Number of reported outbreaks
Mpumalanga	1



## Avian Influenza

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

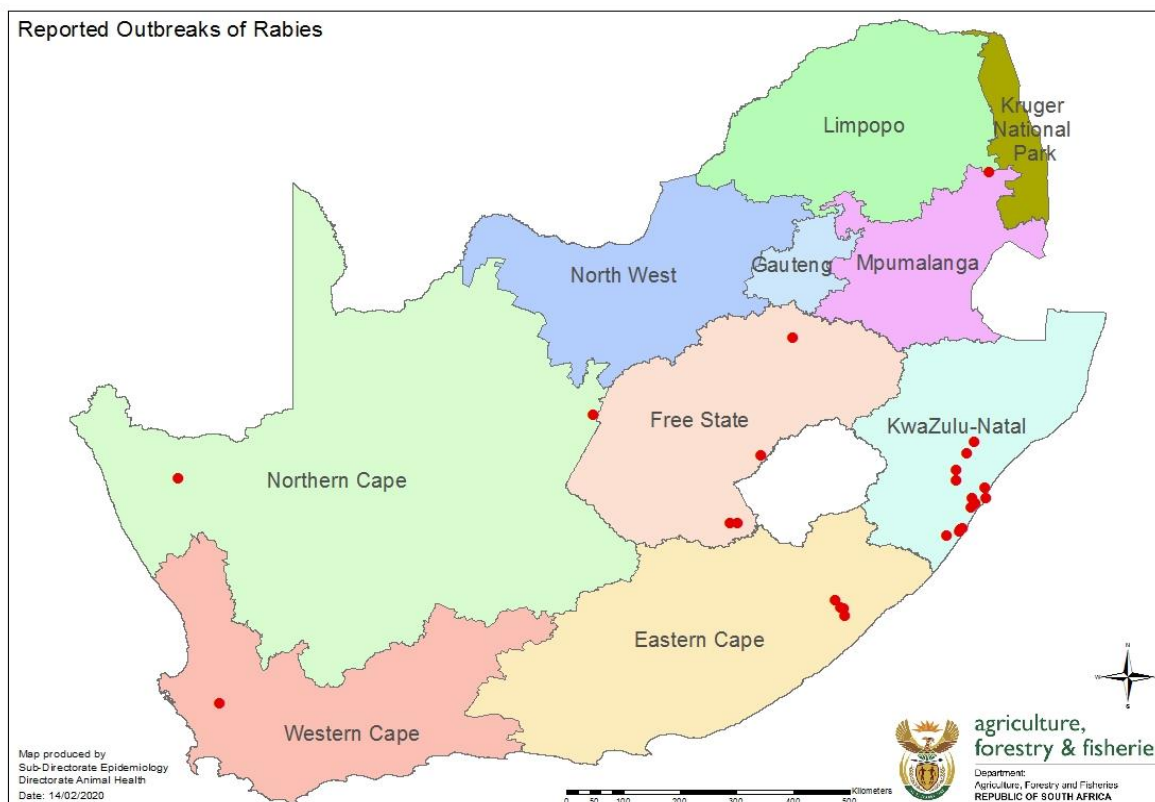
Province	Avian Influenza Strain	Number of reported outbreaks
Western Cape Province	Avian Influenza: Highly Pathogenic: All HP, H5 And H7 / Fowl Plague	1



## Rabies

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

Province	Number of reported outbreaks
Eastern Cape Province	4
Free State	4
KwaZulu-Natal	13
Mpumalanga	1
Northern Cape Province	2
Western Cape Province	1

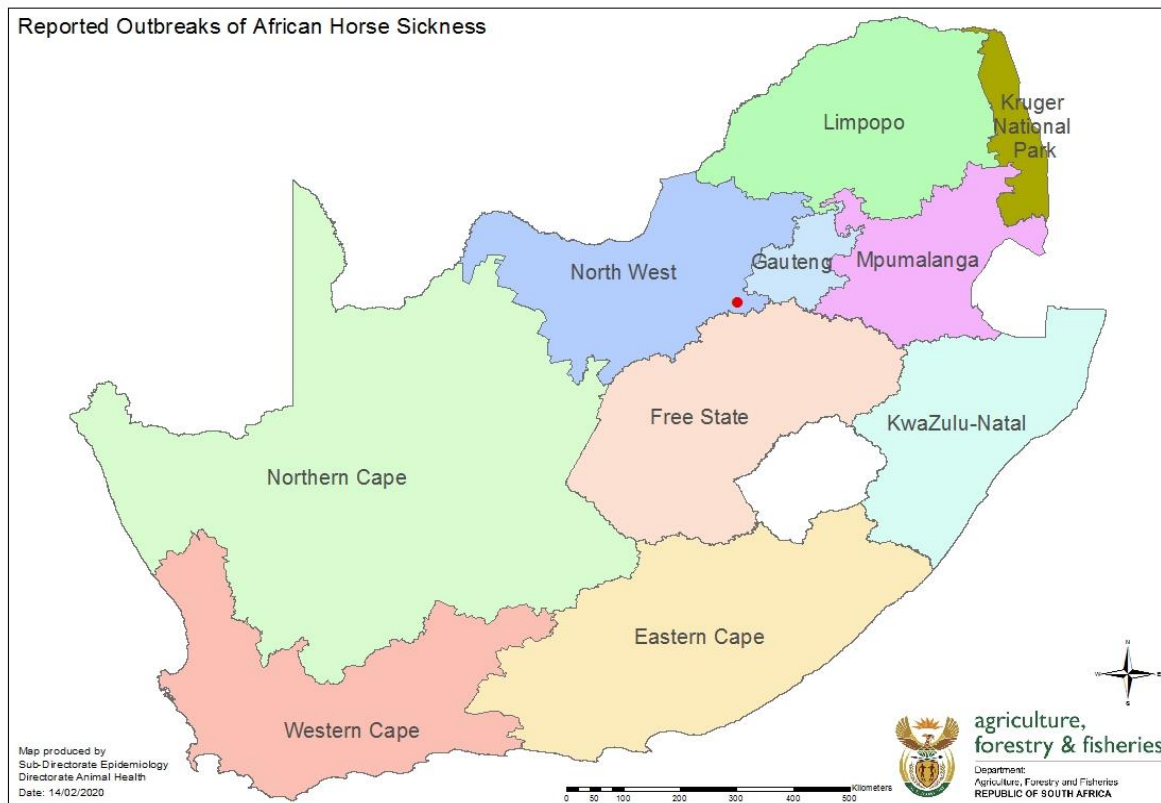




## African Horse Sickness

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

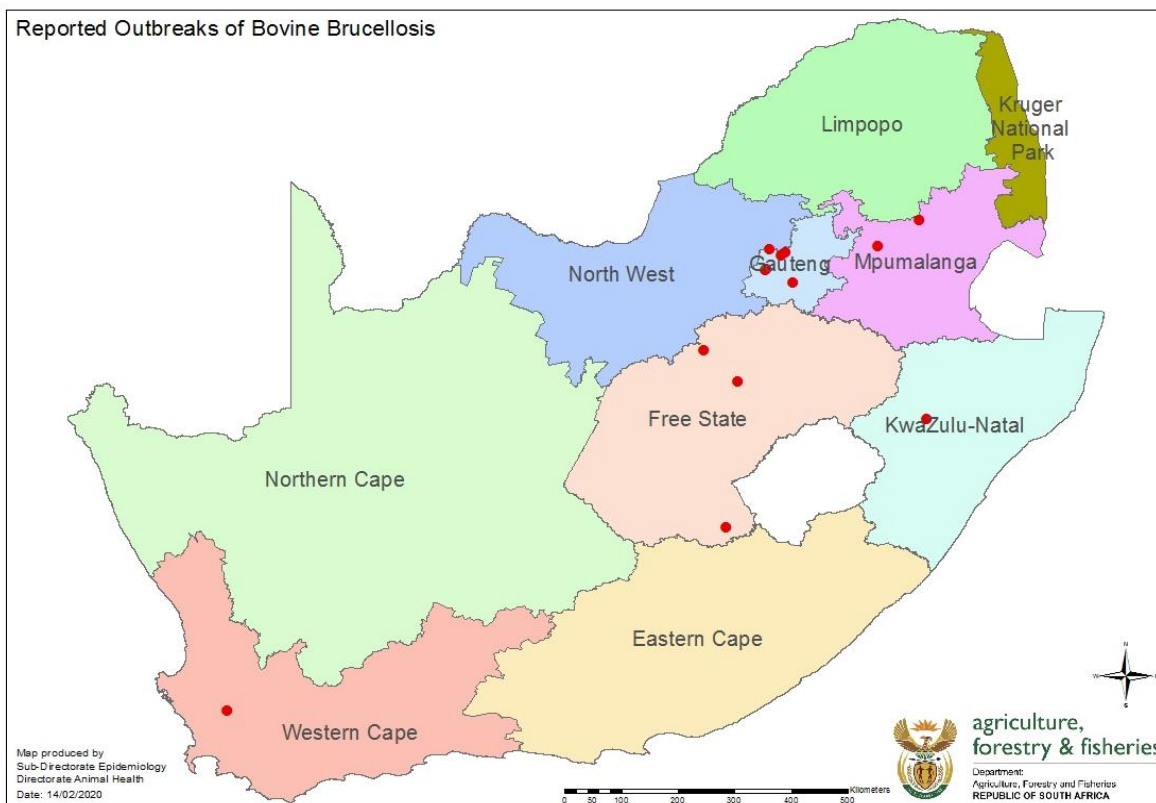
Province	Number of reported outbreaks
North West Province	1



## Bovine Brucellosis

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

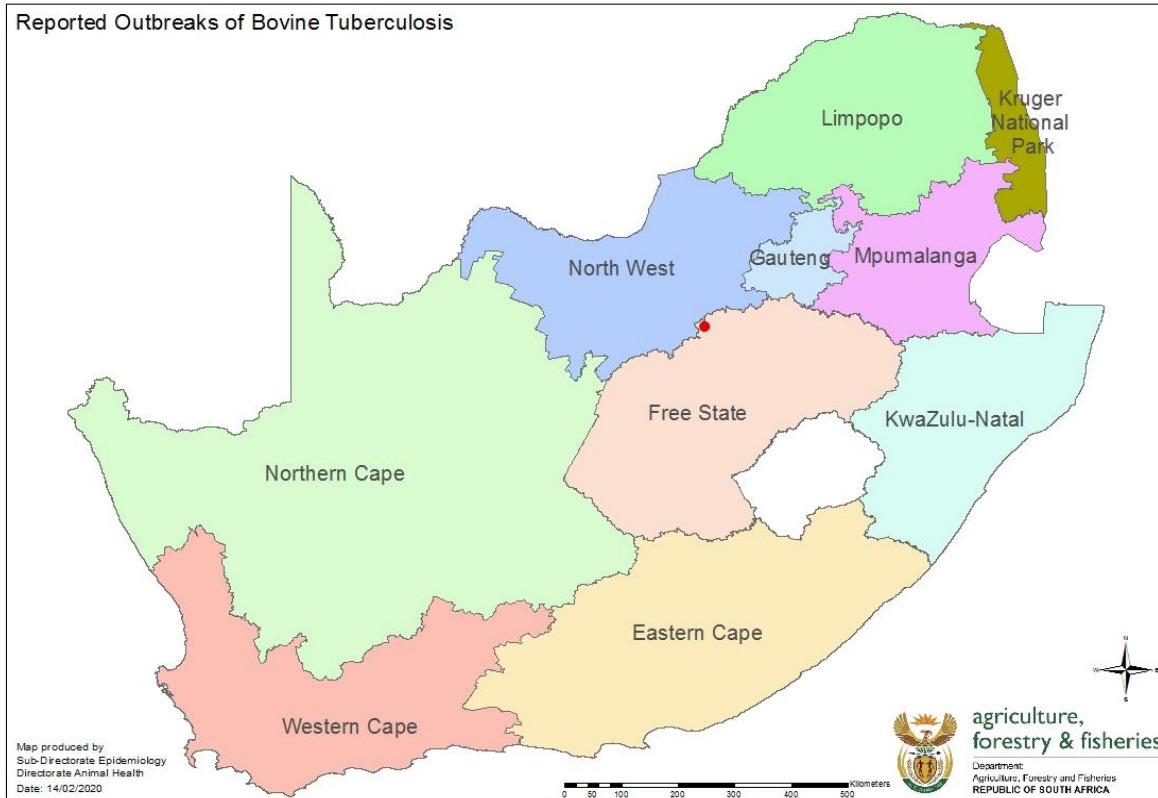
Province	Number of reported outbreaks
Free State	3
Gauteng	6
KwaZulu-Natal	1
Mpumalanga	2
Western Cape Province	1



## Bovine Tuberculosis

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

Province	Number of reported outbreaks
Free State	1



## 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

Directorate Animal Health, 2018, 'South African Animal Health Information System'.

Gohel, D., 2018, 'officer: Manipulation of Microsoft Word and PowerPoint Documents ', from <https://CRAN.R-project.org/package=officer>.

R Core Team, 2018, 'R: A Language and Environment for Statistical Computing', from <http://www.r-project.org/>.

Ripley, B. & Lapsley, M., 2018, 'RODBC: ODBC Database Access', from <http://cran.r-project.org/package=RODBC>.

RStudio Team, 2018, 'RStudio: Integrated Development Environment for R', from <http://www.rstudio.com/>.