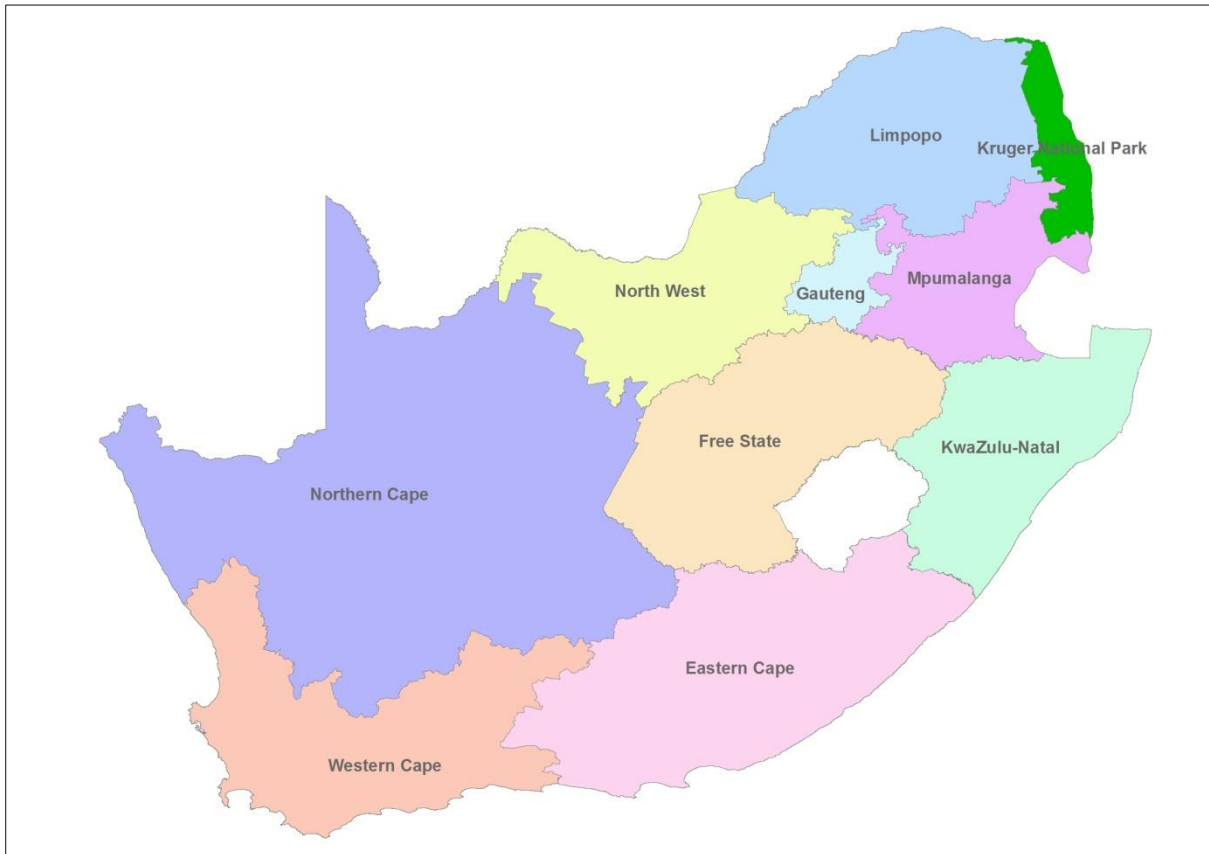


Animal Disease Reporting for the month August 2017



Sub-Directorate Epidemiology
Directorate Animal Health
01 November 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 August 2017 report

The following summary table has been compiled using simple count statistics

Total number of outbreak and vaccination reports (data lines)	3258
Total number of outbreaks	180
Total number of animals involved (cases)	75361
Total number of diseases involved in outbreaks	43
Total number of State Vet Areas that reported	116
Total number of Local Municipalities reported from	186
Total number of species involved in outbreaks	19

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	2	0	0	0	0	2
Anthrax	0	0	0	5	0	0	0	0	0	0	5
Avian Influenza: H6	0	0	0	0	0	0	0	0	0	1	1
Avian Influenza: Highly Pathogenic: All HP, H5 And H7 / Fowl Plague	0	0	7	0	1	0	4	1	0	27	40
Avian Influenza: Low Pathogenic : Other	0	0	0	0	0	0	0	0	4	2	6
Avian Influenza: Non-Pathogenic	1	0	0	0	0	0	0	0	0	0	1
Bovine Brucellosis (Brucella abortus)	0	11	5	0	0	1	2	7	0	0	26
Bovine Tuberculosis (Mycobacterium bovis)	0	0	0	1	0	0	0	0	0	0	1
Brucella Ovis Infection (Ovine Epididymitis)	0	1	0	0	0	0	0	0	0	1	2
FMD - Virus SAT 1	0	0	0	0	0	3	0	0	0	0	3
Newcastle Disease	0	0	0	0	0	0	0	0	0	3	3
Psittacosis And Ornithosis (Chlamydiosis)	0	0	0	0	0	0	0	0	0	1	1
Rabies	3	0	0	0	9	4	0	5	0	4	25
Salmonella enteritidis	3	1	2	0	0	0	1	5	0	2	14
Sheep Scab	1	4	0	0	0	0	0	0	2	3	10
Total	8	17	14	6	10	10	7	20	6	44	141

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	2	1	2	0	0	0	0	1	0	0	6
Lumpy Skin Disease	0	0	0	0	0	1	1	0	0	0	2
Swine Erysipelas / Diamond skin disease	0	0	0	0	0	0	0	0	0	1	1
Total	2	1	2	0	0	1	1	1	0	1	9

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	0	1	0	0	0	0	0	0	0	0	1
Babesiosis (Redwater)	2	0	0	0	0	0	0	0	0	0	2
Besnoitiosis / Elephant skin disease	0	0	0	0	0	1	0	0	0	0	1
Canine brucellosis	0	0	0	0	0	0	0	0	0	1	1
Canine Distemper	1	0	0	0	0	0	0	0	0	0	1
Cysticercosis (Cysticercus bovis)	0	0	0	0	0	0	0	3	0	0	3
Echinococcosis/Hydatidosis (E. granulosus / E. multilocularis)	0	0	0	0	0	0	2	0	0	0	2
Enterotoxaemia	2	0	0	0	0	0	0	0	0	0	2
Enzootic Abortion Of Ewes (Clamidia)	0	0	1	0	0	0	0	0	0	0	1
Equine Babesiosis (Equine Piroplasmosis)	0	1	0	0	0	0	1	0	0	0	2
Heartwater	10	0	0	0	0	0	0	0	0	0	10

	Eastern Cape Province	Free State	Gauteng	Kruger National Park	KwaZulu-Natal	Limpopo	Mpumalanga	North West Province	Northern Cape Province	Western Cape Province	Total
Mastitis	1	0	0	0	0	0	0	0	0	0	1
Sarcoptic Mange	0	0	0	0	0	1	1	0	0	0	2
Trichomonosis	0	0	0	0	1	0	0	0	0	0	1
Total	16	2	1	0	1	2	4	3	0	1	30

Information and maps of Specific Diseases

Foot and mouth disease (FMD)

On 21 August 2017, three cattle with lesions suspect for Foot and mouth disease were detected during the weekly routine inspection at the Makhuva diptank in the Giyani Local Municipality. The cattle were clinically inspected by thorough inspection of the inside of the mouth, tongue and throat (mouthing) performed by the Animal Health Technician, as the animals presented with profuse salivation. Samples were collected and sent for testing at Onderstepoort Veterinary Research (OVR). The three cattle from one owner were immediately isolated in a kraal at the owner's home and fodder is provided by the Department. The results became available on 23 August and identified the outbreak as a SAT 1 strain of FMD.

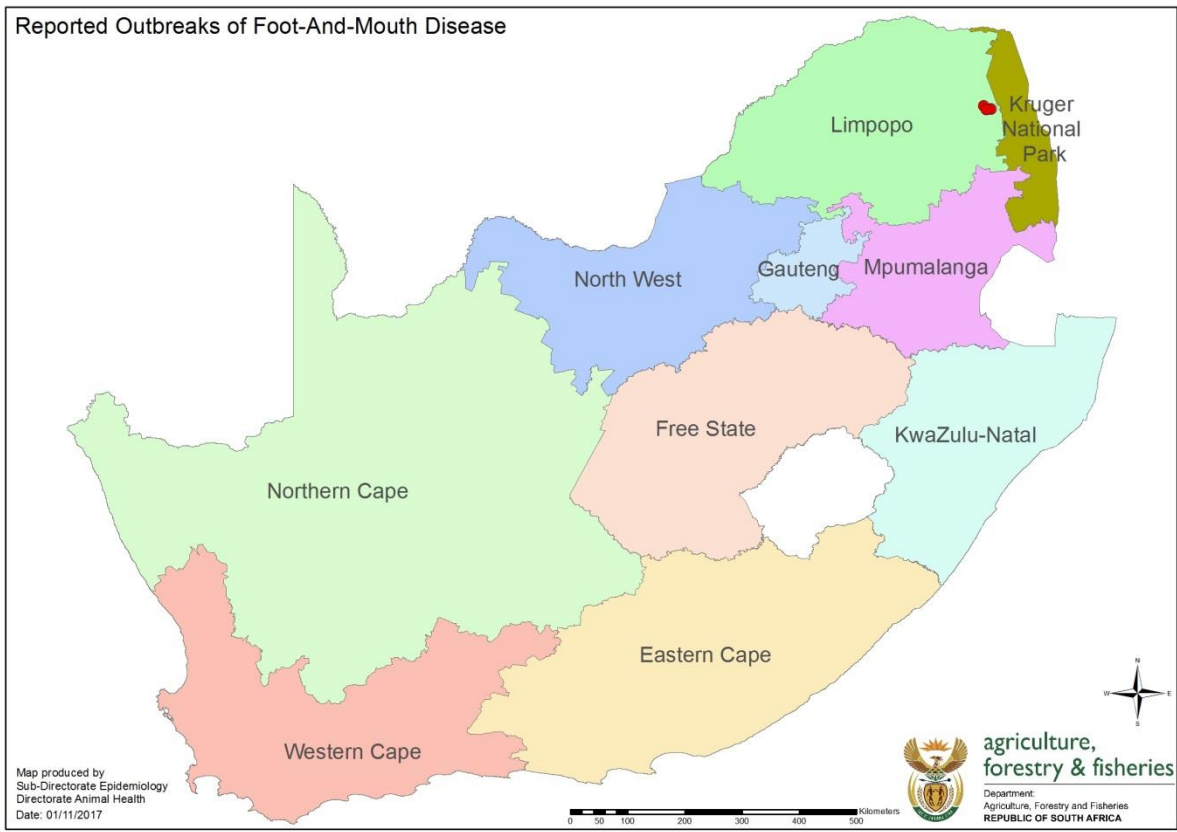
Further inspections were performed at surrounding diptanks and all cattle owners were informed of the outbreak and instructed to report all cattle showing signs of salivation and lameness to the nearest State veterinarian or Animal Health Technician for further investigation. A follow up inspection will be conducted today, 28 August at Makhuva diptank to detect any possible spread of disease to cattle from other owners.

Makhuwe diptank is situated in the portion of the FMD protection zone without FMD vaccination. As this part of the control zone is outside the internationally recognised South African FMD free zone, it will not have any effect on the FMD free status of the country and should also not have an effect on all exports of cloven hooved animals and their products from the FMD Free Zone.

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

Province	Number of reported outbreaks
Limpopo	3

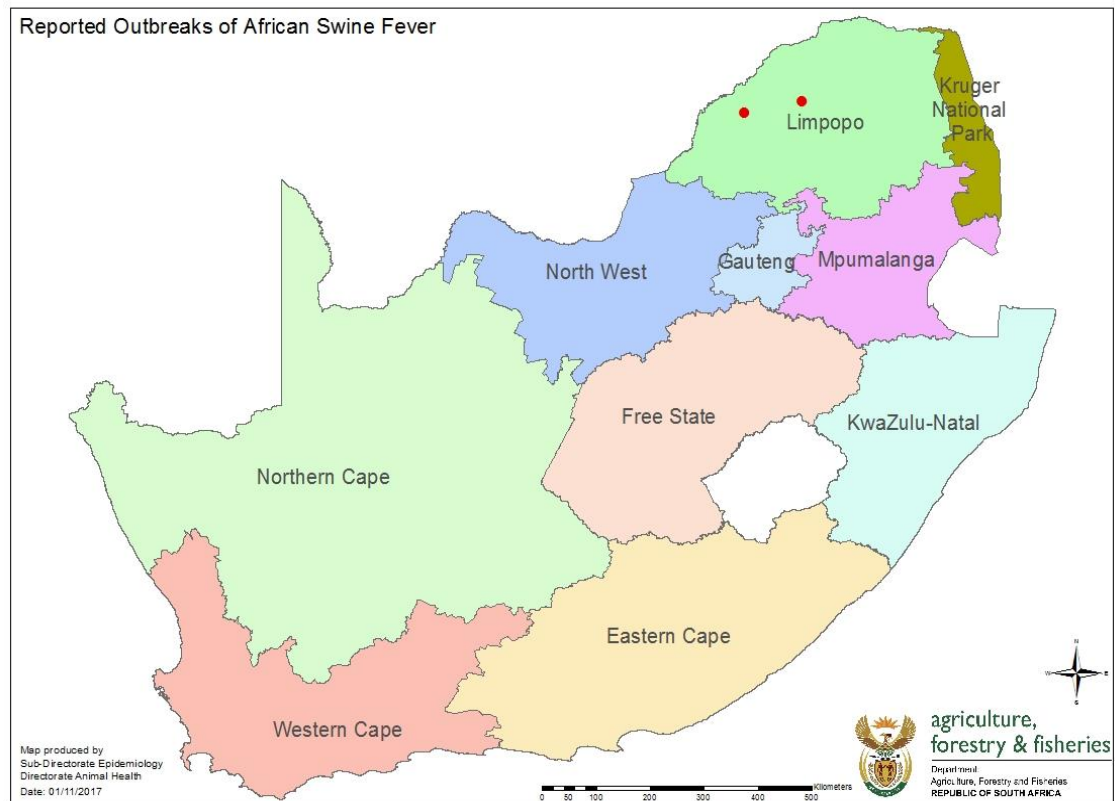
Reported Outbreaks of Foot-And-Mouth Disease



African swine fever (ASF)

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

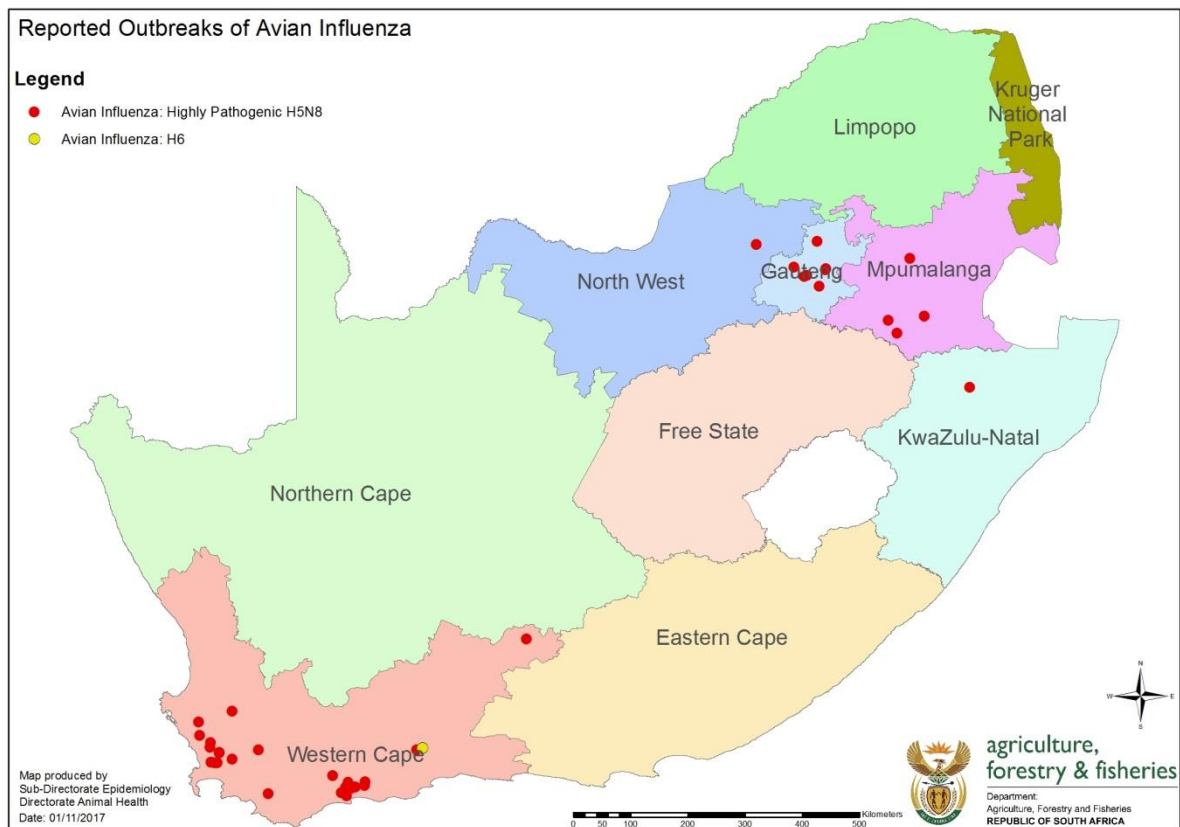
Province	Number of reported outbreaks
Limpopo	2



Avian Influenza

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

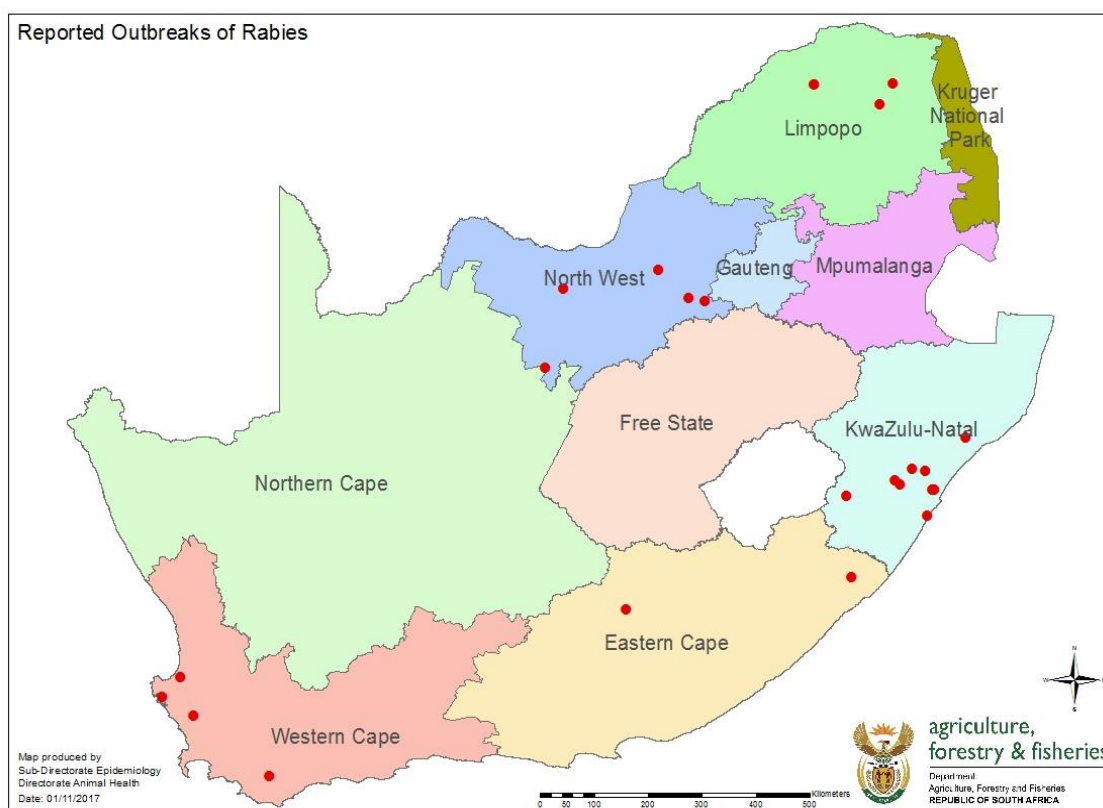
Province	Avian Influenza Strain	Number of reported outbreaks
Western Cape Province	Avian Influenza: H6	1
Gauteng	Avian Influenza: Highly Pathogenic: All HP, H5 And H7 / Fowl Plague	7
KwaZulu-Natal	Avian Influenza: Highly Pathogenic: All HP, H5 And H7 / Fowl Plague	1
Mpumalanga	Avian Influenza: Highly Pathogenic: All HP, H5 And H7 / Fowl Plague	4
North West Province	Avian Influenza: Highly Pathogenic: All HP, H5 And H7 / Fowl Plague	1
Western Cape Province	Avian Influenza: Highly Pathogenic: All HP, H5 And H7 / Fowl Plague	27



Rabies

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

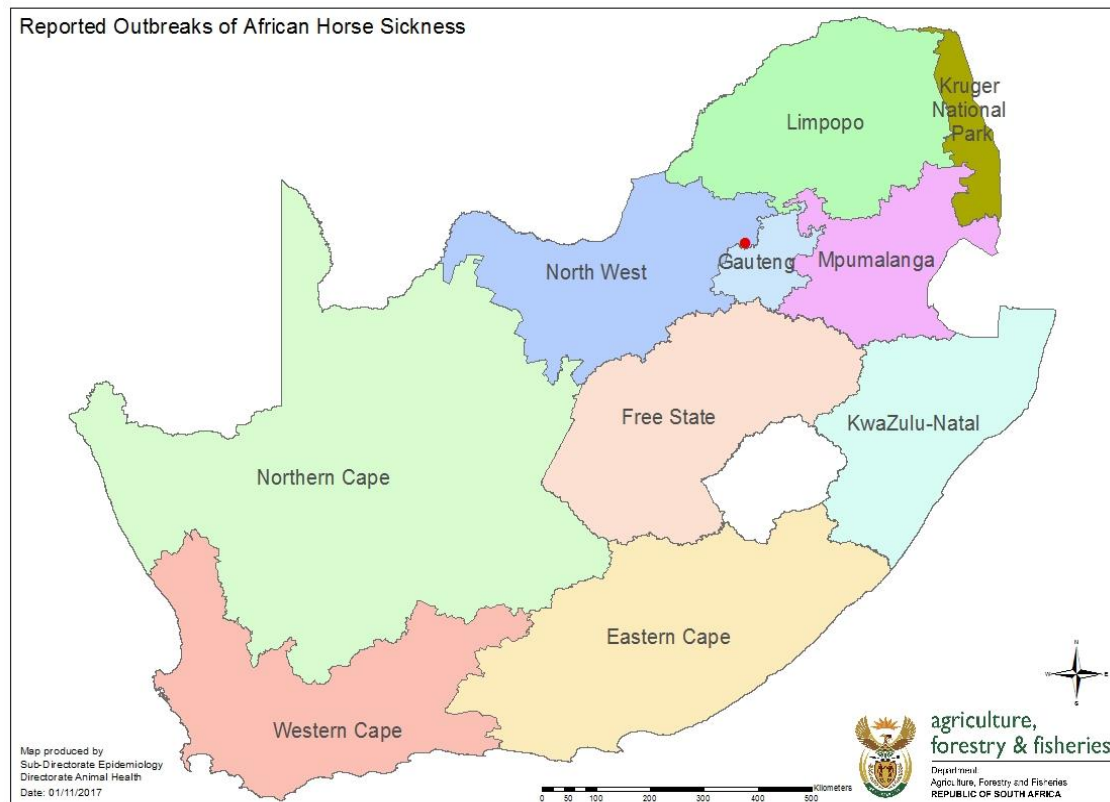
Province	Number of reported outbreaks
Eastern Cape Province	3
KwaZulu-Natal	9
Limpopo	4
North West Province	5
Western Cape Province	4



African Horse Sickness

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

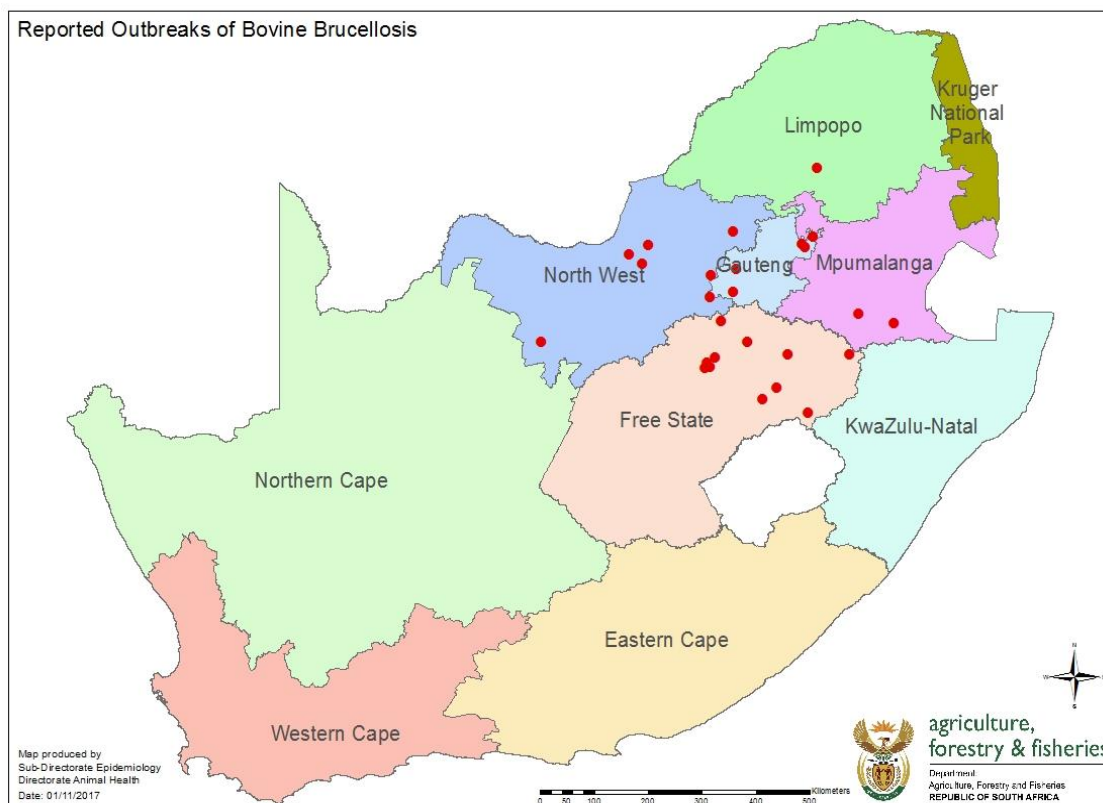
Province	Number of reported outbreaks
North West Province	1



Bovine Brucellosis

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

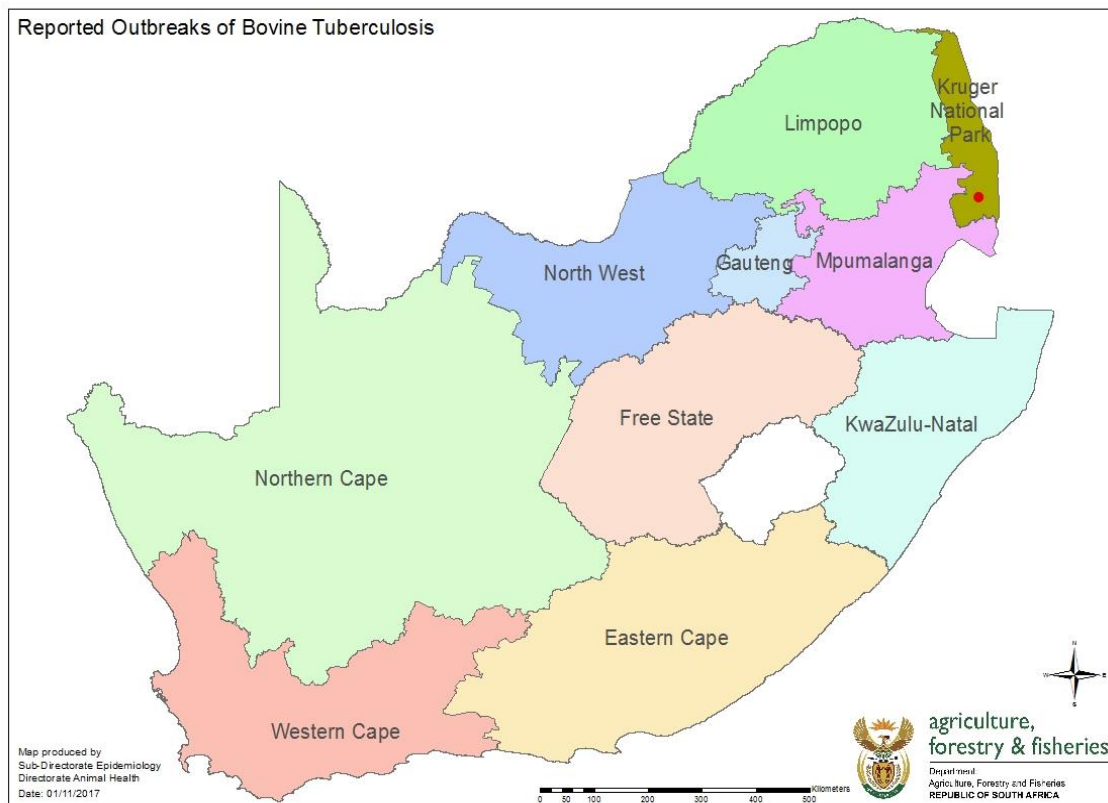
Province	Number of reported outbreaks
Free State	11
Gauteng	5
Limpopo	1
Mpumalanga	2
North West Province	7



Bovine Tuberculosis

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

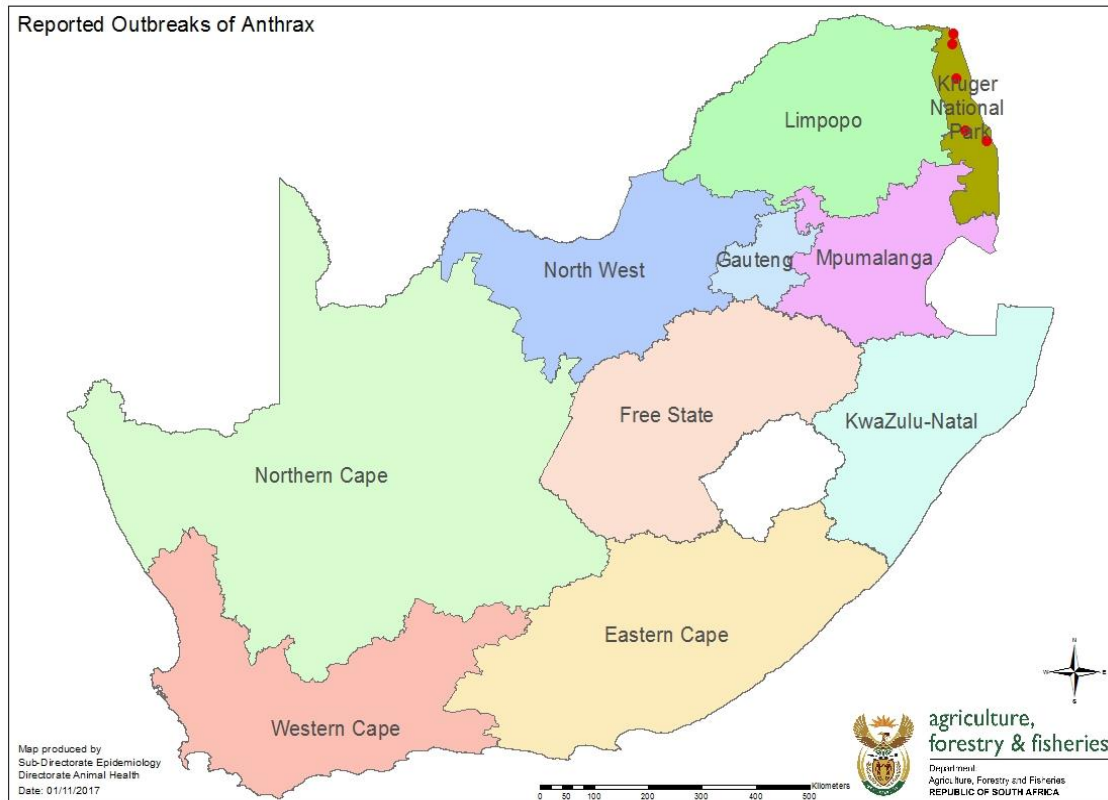
Province	Number of reported outbreaks
Kruger National Park	1



Anthrax

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

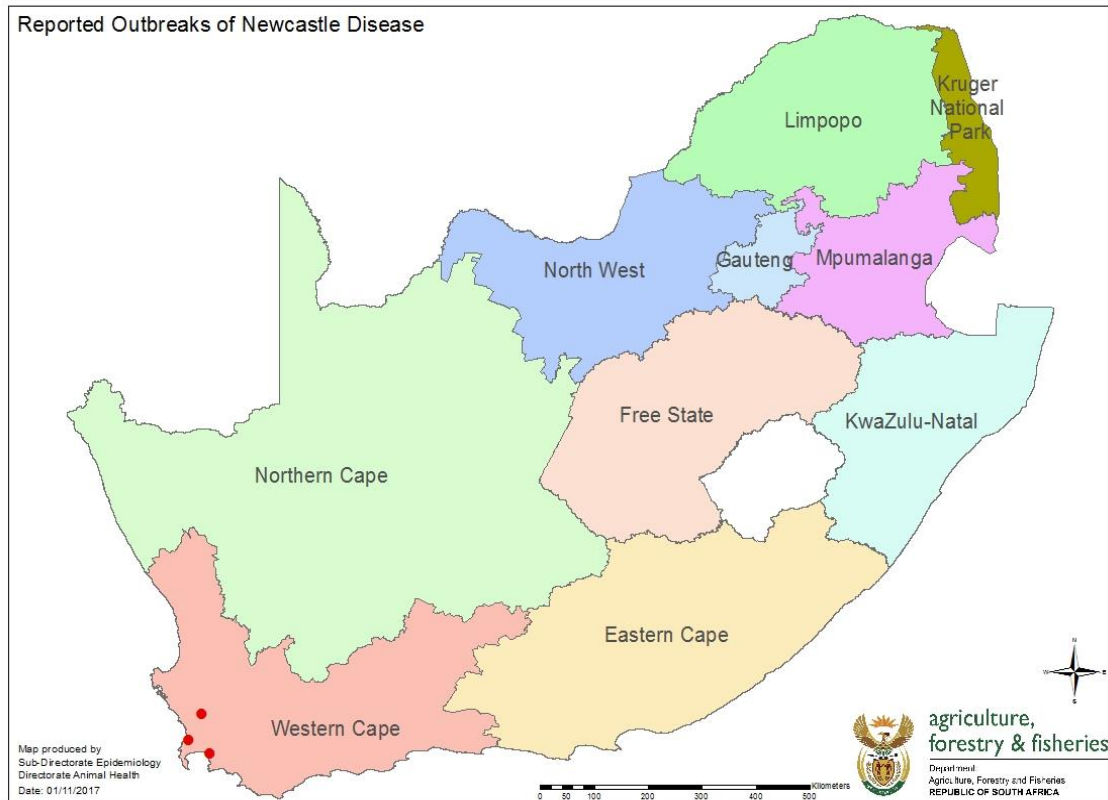
Province	Number of reported outbreaks
Kruger National Park	5



Newcastle Disease

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

Province	Number of reported outbreaks
Western Cape Province	3



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).

References

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