

Animal Disease Reporting for the month May 2019



Sub-Directorate Epidemiology
Directorate Animal Health
03 September 2019

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 May 2019 report

Total number of outbreak and vaccination reports (data lines)	3241
Total number of outbreaks	177
Total number of animals involved (cases)	2558
Total number of diseases involved in outbreaks	47
Total number of State Vet Areas that reported	99
Total number of Local Municipalities reported from	168
Total number of species involved in outbreaks	16

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	11	5	33	0	8	0	0	6	1	0	64
African Swine Fever	0	1	2	0	0	0	0	0	0	0	3
Avian Influenza: Low Pathogenic : Other	0	0	0	0	0	0	0	0	6	0	6
Bovine Brucellosis (Brucella abortus)	0	0	1	0	2	0	0	2	0	0	5
Bovine Tuberculosis (Mycobacterium bovis)	0	0	0	0	2	0	0	0	0	0	2
Fowl Typhoid (Salmonella gallinarum)	0	0	0	0	0	0	0	1	0	0	1
Newcastle Disease	0	0	0	0	0	0	1	0	2	0	3
Paratuberculosis (Johne's Disease)	0	1	0	0	0	0	0	0	0	1	2
Pullorum disease (Salmonella pullorum) / Bacillary white diarrhoea	0	0	0	0	1	0	0	0	0	0	1
Rabies	2	1	1	0	12	0	1	5	0	7	29
Salmonella enteritidis	0	0	0	0	0	0	0	1	0	0	1
Sheep Scab	0	4	0	0	0	0	0	0	1	0	5
Total	13	12	38	0	25	0	2	15	10	8	122

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	0	0	0	0	0	0	0	1	0	1
Bovine Malignant Catarrhal fever	0	2	0	0	1	0	1	1	0	0	5
Lumpy Skin Disease	0	0	1	0	0	1	1	0	0	0	3
Swine Erysipelas / Diamond skin disease	0	0	0	0	0	0	0	0	0	2	2
Total	0	2	1	0	1	1	2	1	1	2	11

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
Actinomycosis / Lumpy jaw	0	1	0	0	0	0	0	0	0	0	1
Anaplasmosis	0	2	0	0	0	0	0	0	0	0	2
Blackleg (Sponssiekte)	0	1	0	0	0	0	0	0	0	0	1
Brucella Ovis Infection (Ovine Epididymitis)	0	0	0	0	0	0	0	0	0	1	1
Canine Babesioses	0	4	0	0	0	0	0	0	0	0	4
Canine Distemper	2	3	0	0	0	0	2	0	0	0	7
Canine Parvo Virus	0	5	0	0	0	0	1	0	0	0	6
Caseous Lymphadenitis	0	1	0	0	0	0	0	0	0	0	1

	Eastern Cape Province	Free State	Gauteng	Kruger National Park	KwaZulu-Natal	Limpopo	Mpumalanga	North West Province	Northern Cape Province	Western Cape Province	Total
Contagious Ophthalmia	0	2	0	0	0	0	0	1	0	0	3
Cysticercosis (<i>Cysticercus bovis</i>)	0	0	0	0	0	0	0	1	0	0	1
E. coli/Colibacillosis	0	1	0	0	0	0	0	0	0	0	1
Echinococcosis/Hydatidosis (<i>E. granulosus</i> / <i>E. multilocularis</i>)	0	0	0	2	0	0	0	0	0	0	2
Enterotoxaemia	0	0	0	0	0	0	0	0	0	1	1
Foot-Rot	0	1	0	0	0	0	0	1	0	0	2
Fowl Pox	0	0	0	0	0	0	0	0	0	1	1
Heartwater	0	0	0	0	0	0	0	1	0	0	1
Horsepox	1	0	0	0	0	0	0	0	0	0	1
Human Tuberculosis	0	0	0	0	0	0	0	0	0	1	1
Mastitis	0	1	0	0	0	0	0	0	0	0	1
Other Clostridial Infections	0	0	0	0	0	0	0	0	0	2	2
Sarcoptic Mange	0	2	0	0	0	0	0	0	0	0	2
West Nile Fever	0	0	0	0	0	0	0	1	0	0	1
Total	3	24	0	2	0	0	3	5	0	6	43

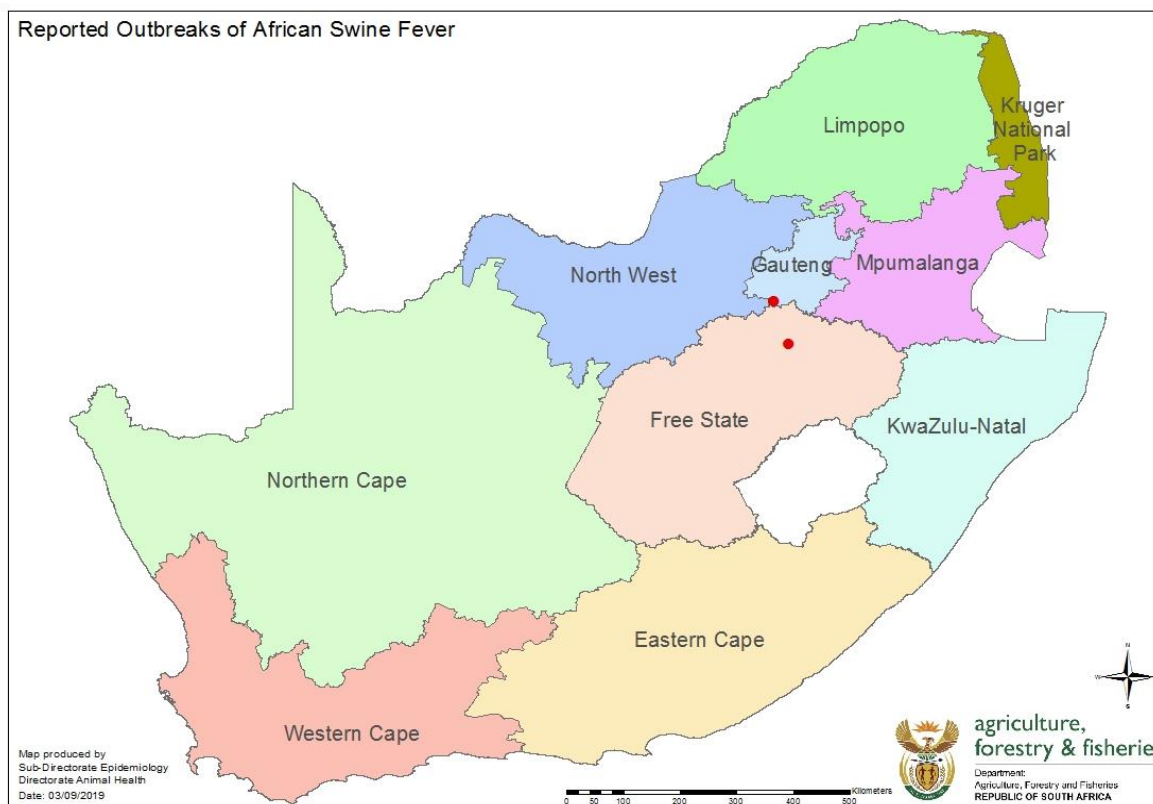
Information and maps of Specific Diseases

African swine fever (ASF)

During May 2019 three ASF outbreaks were detected, one in Free State Province and two in Gauteng Province. In the Free State, the outbreak was detected in the Heilbron area following an increase in pig mortalities. The farmer had visited a pig auction in Vanderbijlpark just before the pigs started dying. In Gauteng a farmer had bought pigs at the auction in Vanderbijlpark, which had originated from the farm in the Heilbron area, which subsequently started dying. Another outbreak was detected in the Nigel area of Gauteng, in a multiple person owner group of a communal herd of pigs, which had reported mortalities and sickness in the pigs. They indicated that they did not buy pigs at auction, but did however sell pigs at auction. All these outbreaks were confirmed with laboratory testing and control measures were implemented.

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

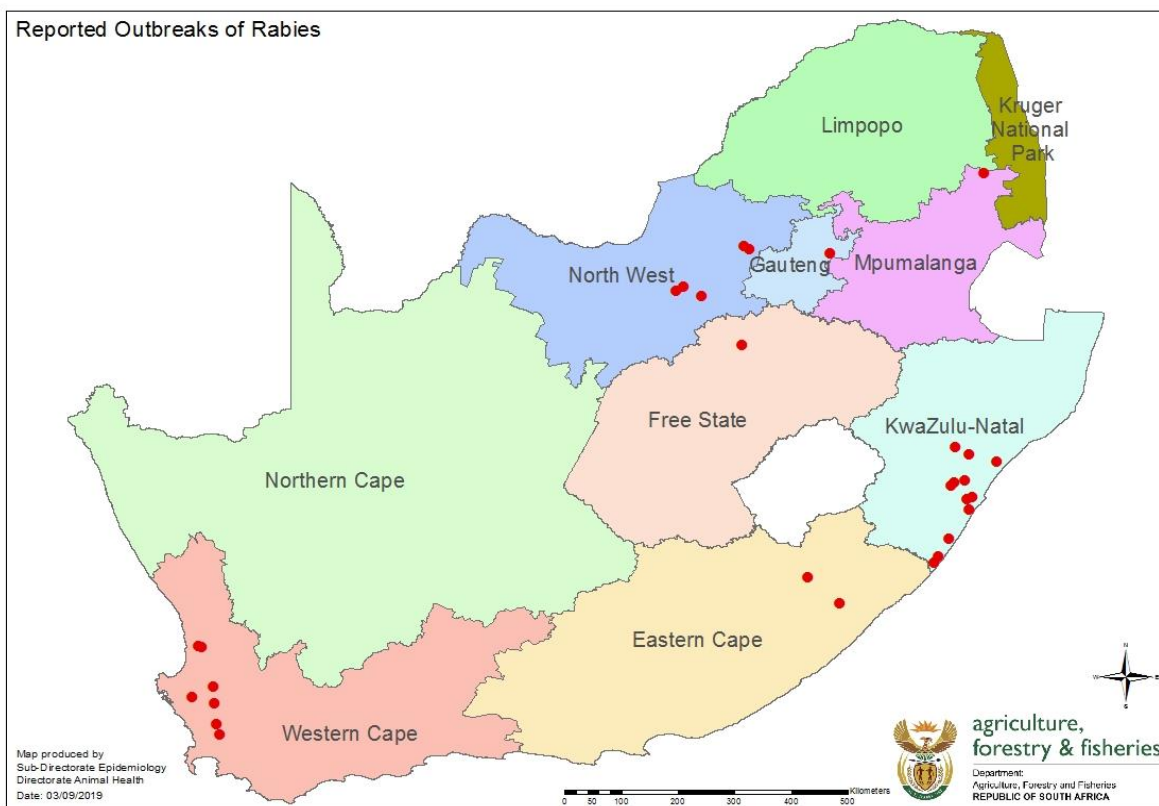
Province	Number of reported outbreaks
Free State	1
Gauteng	2



Rabies

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

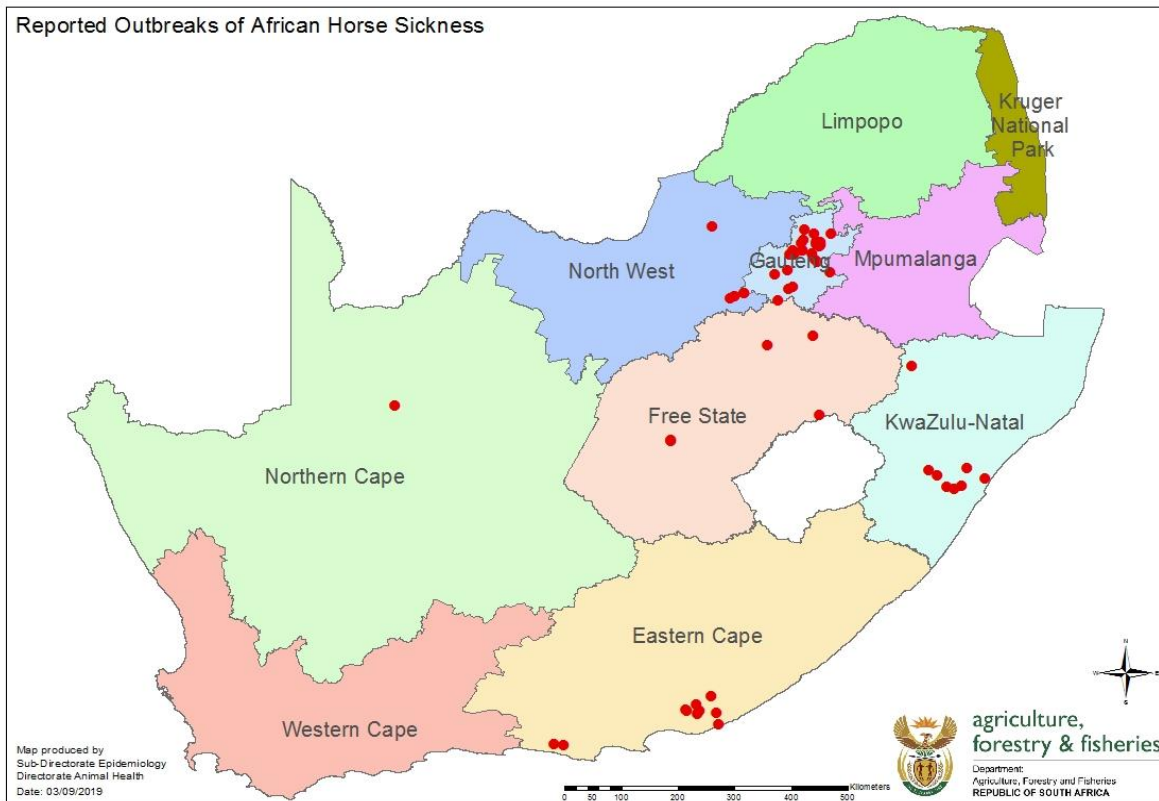
Province	Number of reported outbreaks
Eastern Cape Province	2
Free State	1
Gauteng	1
KwaZulu-Natal	12
Mpumalanga	1
North West Province	5
Western Cape Province	7



African Horse Sickness

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

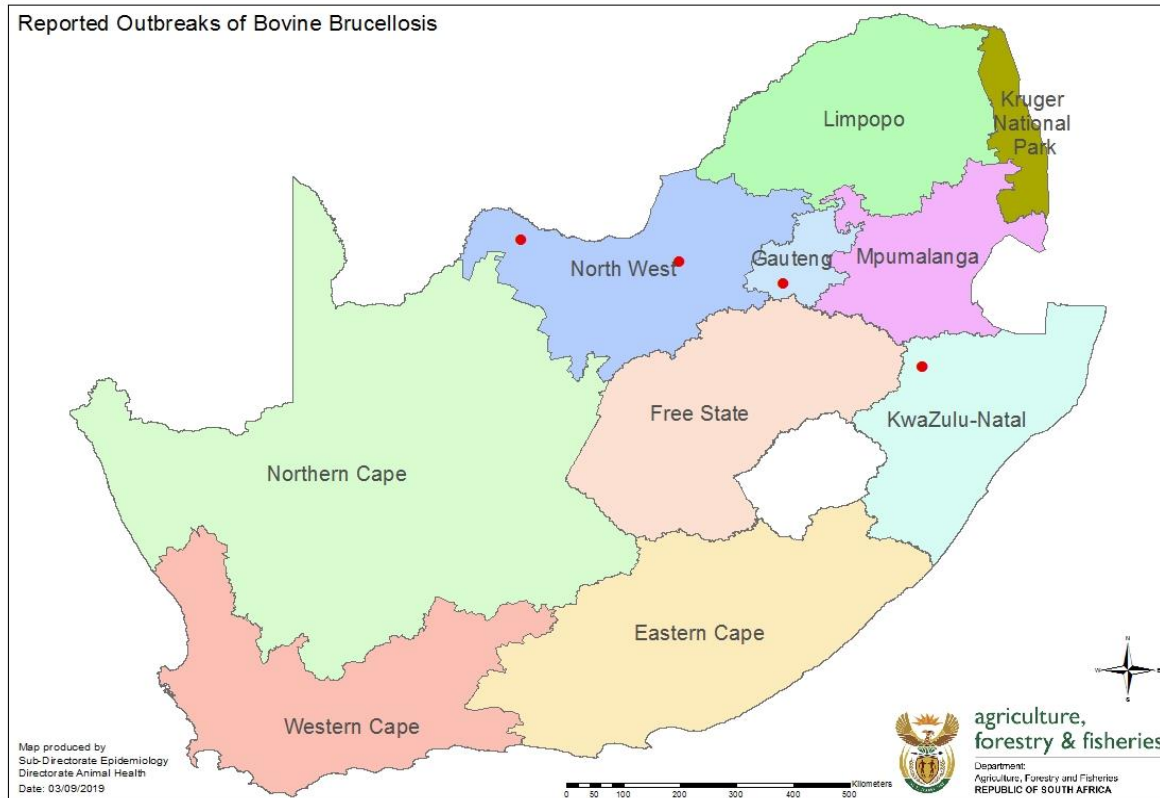
Province	Number of reported outbreaks
Eastern Cape Province	11
Free State	5
Gauteng	33
KwaZulu-Natal	8
North West Province	6
Northern Cape Province	1



Bovine Brucellosis

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

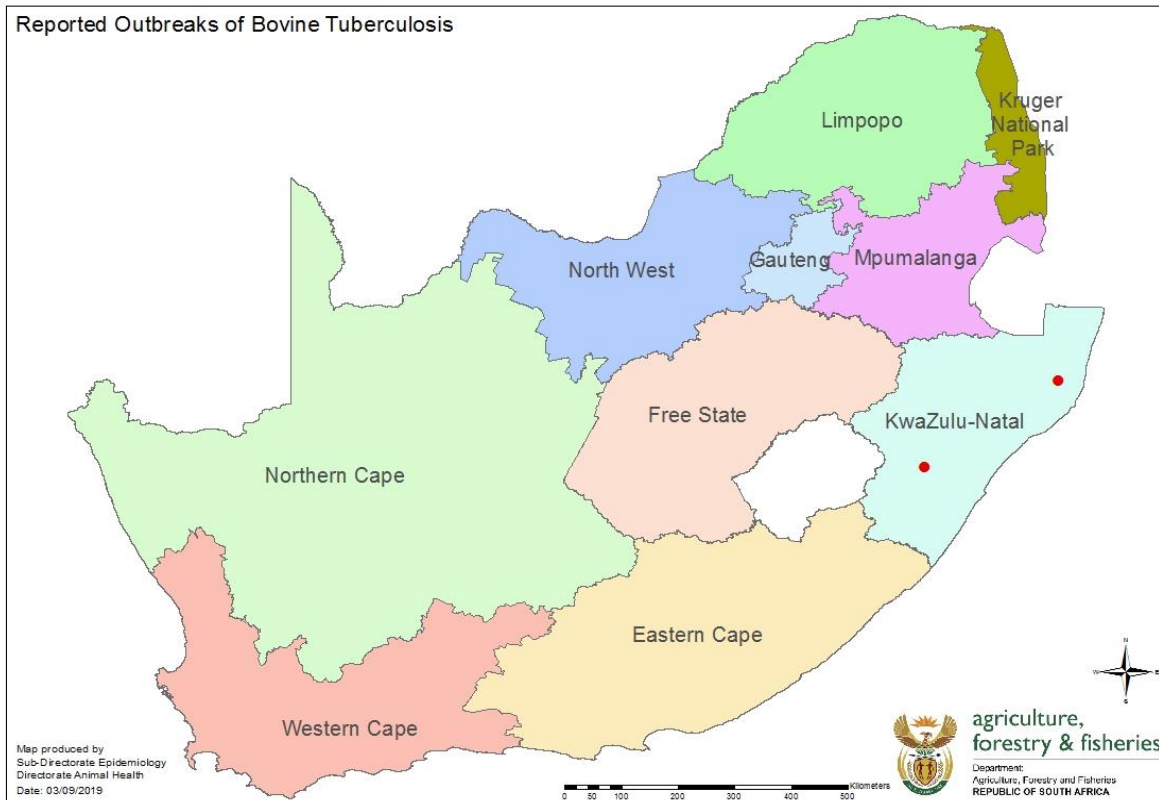
Province	Number of reported outbreaks
Gauteng	1
KwaZulu-Natal	2
North West Province	2



Bovine Tuberculosis

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

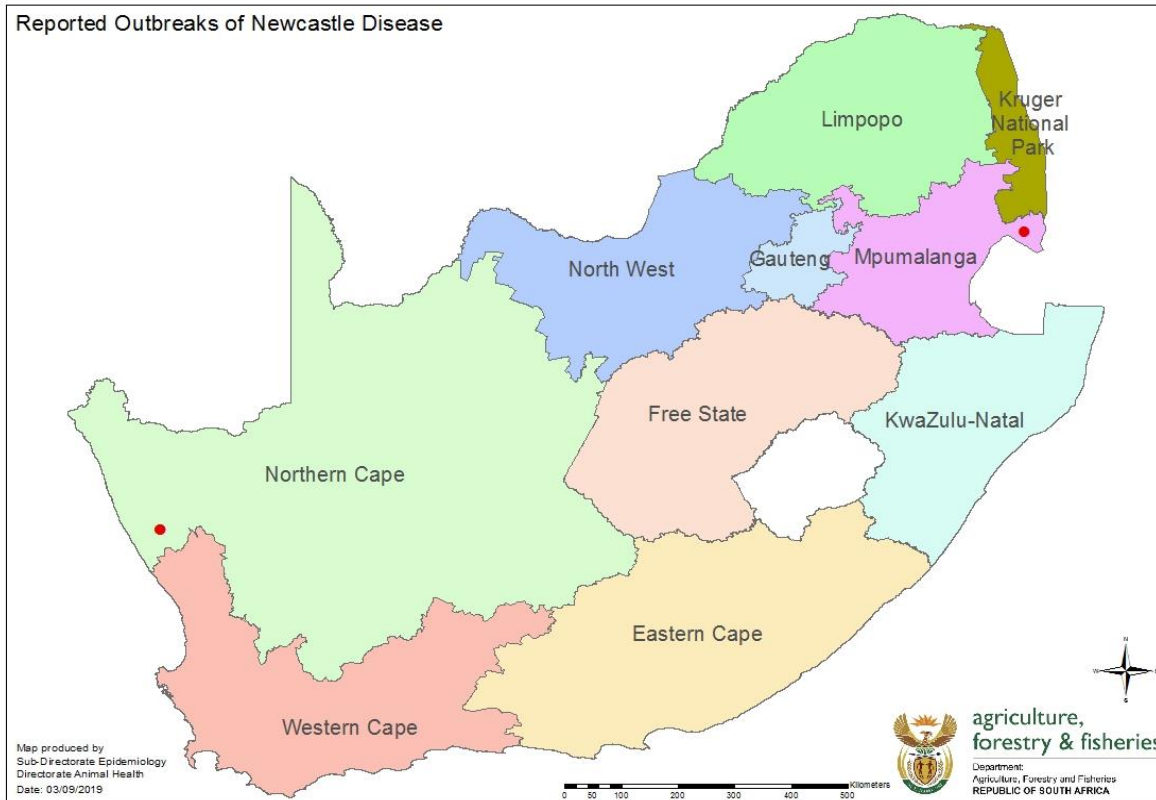
Province	Number of reported outbreaks
KwaZulu-Natal	2



Newcastle Disease

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

Province	Number of reported outbreaks
Mpumalanga	1
Northern Cape Province	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).

References

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