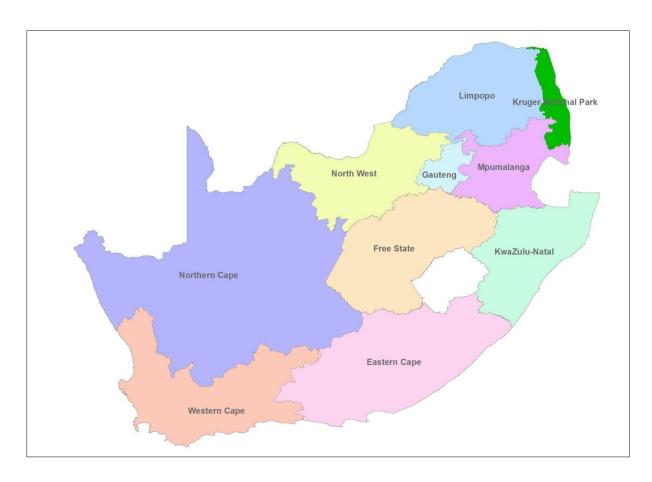
Animal Disease Reporting for the month June 2015





Sub-Directorate Epidemiology Directorate Animal Health 21 September 2015

Introduction

According to the Animal Diseases Act (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
 - o 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 June 2015 report

The following summary table has been compiled using simple count statistics

Total number of outbreak and vaccination reports (data lines)	2506
Total number of outbreaks	99
Total number of animals involved (cases)	4410
Total number of diseases involved in outbreaks	35
Total number of State Vet Areas that reported	81
Total number of Local Municipalities reported from	147
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	2 Gauteng	Kruger National Park	⊢ KwaZulu-Natal	Limpopo	Mpumalanga	North West Province	Northern Cape Province	Western Cape Province	2 Total
African Horse Sickness	0	1		0		0	0	0	0	0	
Anthrax	0	0	0	1	0	0	0	0	0	0	1
Bovine Brucellosis (Brucella abortus)	1	4	1	0	3	0	1	5	0	0	15
Bovine Tuberculosis (Mycobacterium bovis)	0	0	1	1	0	0	2	0	0	1	5
Epizootic Ulcerative Syndrome (EUS)	0	0	0	0	0	0	0	0	0	1	1
Low Pathogenic Avian Influenza: H5 or H7	2	0	0	0	0	0	0	0	0	3	5
Low Pathogenic Avian Influenza: H6	0	0	0	0	0	0	0	0	0	1	1
Low Pathogenic Avian Influenza :Other	0	0	0	0	0	0	0	0	0	1	1
Newcastle Disease	0	0	4	0	0	0	0	0	0	0	4
Paratuberculosis (Johne's Disease)	0	1	0	0	1	0	0	0	0	1	3
Rabies	0	5	1	0	11	1	3	0	2	0	23
Salmonella enteritidis	0	1	0	0	0	0	0	0	0	0	1
Sheep Scab	1	0	1	0	0	0	0	0	9	1	12
Total	4	12	13	2	16	1	6	5	11	9	79

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	1	0	1	0	0	0	1	0	0	0	3
Lumpy Skin Disease	0	1	0	0	0	0	0	0	0	0	1
Swine Erysipelas / Diamond skin disease	0	0	0	0	1	0	0	0	0	1	2
Total	1	1	1	0	1	0	1	0	0	1	6

Other diseases

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

Babesiosis (Redwater)	Eastern Cape Province	O Free State	O Gauteng	O Kruger National Park	O KwaZulu-Natal	O Limpopo	O Mpumalanga	O North West Province	O Northern Cape Province	Western Cape Province	Total
		_			_	_	_		_		
Canine Distemper	0	0	0	0	0	0	0	0	0	1	1
Contagious Pustular Dermatitis	0	0	0	0	0	0	0	0	0	2	2

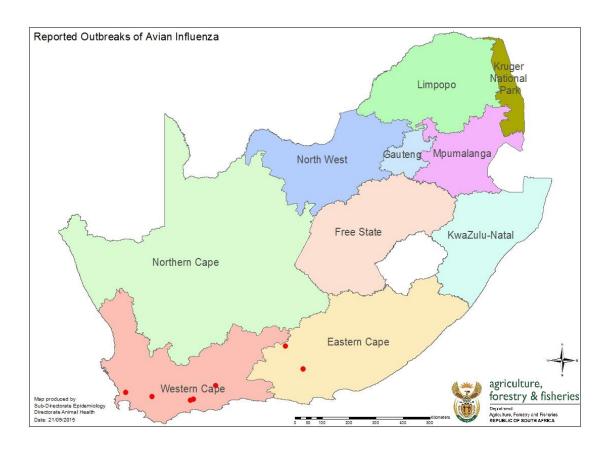
	Eastern Cape Province	Free State	Gauteng	Kruger National Park	KwaZulu-Natal	Limpopo	Mpumalanga	North West Province	Northern Cape Province	Western Cape Province	Total
Foot-Rot	0	0	0	0	0	0	0	0	0	1	1
Fowl Typhoid (Salmonella	0	0	1	0	0	0	0	0	0	0	1
gallinarum)										1	
	4	0	0	0	0	0	0	0	0	0	4
gallinarum)	4 0	0	0	0	0	0	0	0	0	0	4
gallinarum) Heartwater						_	_		_	_	
gallinarum) Heartwater Mastitis	0	0	0	0	0	0	0	0	0	1	1
gallinarum) Heartwater Mastitis Other Pasteurellosis	0	0	0	0	0	0	0	0	0	1	1

Information and maps of Specific Diseases

Avian Influenza

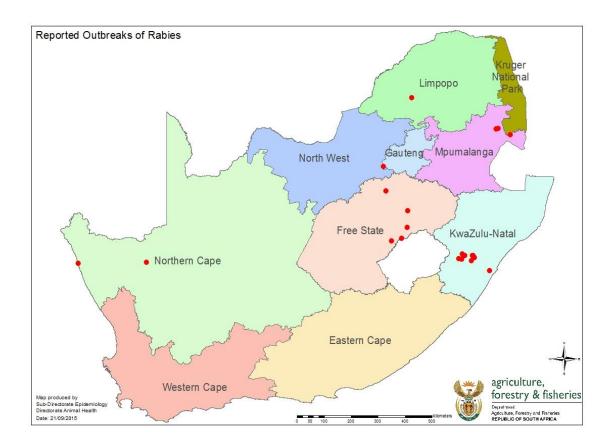
The following table indicates the number of reported Avian Influenza outbreaks per province

Province	Avian Influenza Strain	Number of reported outbreaks
Eastern Cape	Low Pathogenic Avian	2
Province	Influenza: H5 or H7	2
Western Cape	Low Pathogenic Avian	3
Province	Influenza: H5 or H7	3
Eastern Cape	Low Pathogenic Avian	0
Province	Influenza: H6	0
Western Cape	Low Pathogenic Avian	1
Province	Influenza: H6	1
Eastern Cape	Low Pathogenic Avian Influenza	0
Province	:Other	0
Western Cape	Low Pathogenic Avian Influenza	1
Province	:Other	1



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

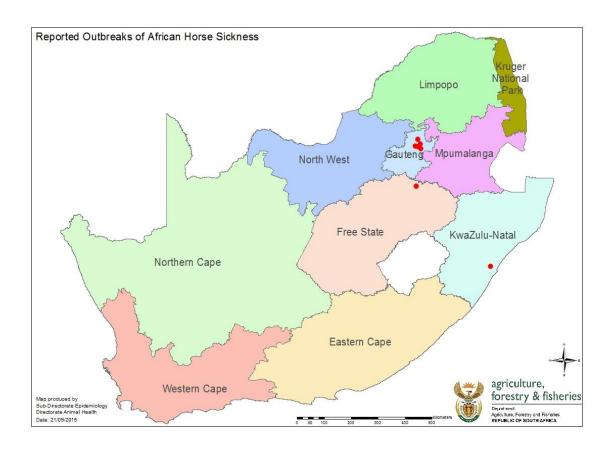
Province	Number of reported outbreaks
Free State	5
Gauteng	1
KwaZulu-Natal	11
Limpopo	1
Mpumalanga	3
Northern Cape Province	2



African Horse Sickness

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

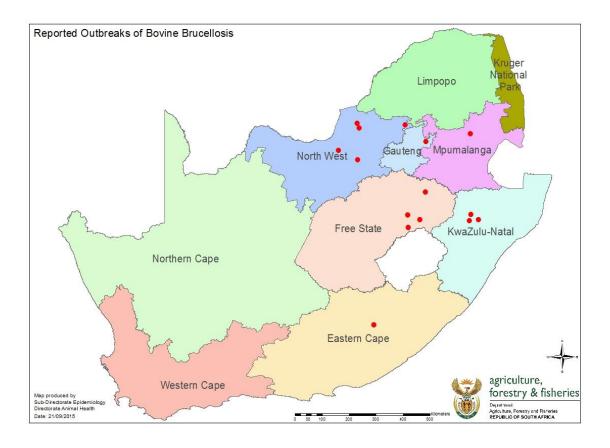
Province	Number of reported outbreaks
Free State	1
Gauteng	5
KwaZulu-Natal	1



Bovine Brucellosis

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

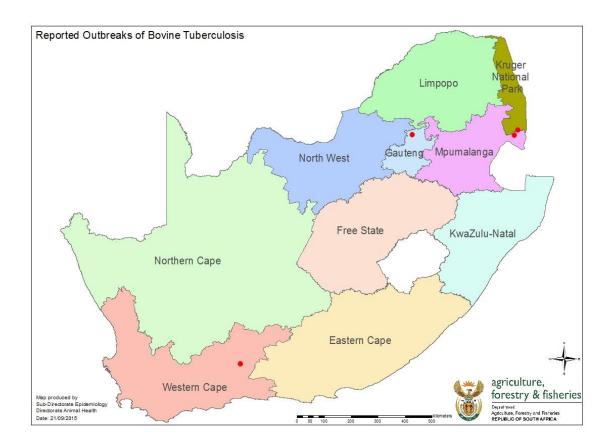
Province	Number of reported outbreaks
Eastern Cape Province	1
Free State	4
Gauteng	1
KwaZulu-Natal	3
Mpumalanga	1
North West Province	5



Bovine Tuberculosis

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

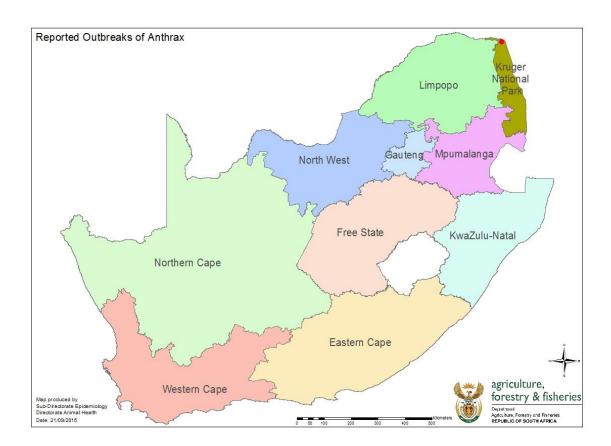
Province	Number of reported outbreaks
Gauteng	1
Kruger National Park	1
Mpumalanga	2
Western Cape Province	1



Anthrax

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

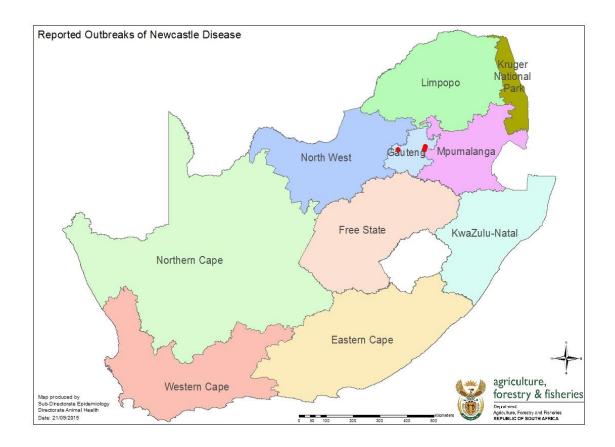
Province	Number of reported outbreaks
Kruger National Park	1



Newcastle Disease

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

Province	Number of reported outbreaks
Gauteng	4



Analysis of reporting

Number of reports received

The following table indicates the number of data lines (outbreaks and vaccinations) received from each province

Province	Number of Reports
Eastern Cape Province	854
Free State	19
Gauteng	81
Kruger National Park	2
KwaZulu-Natal	173
Limpopo	56
Mpumalanga	362
North West Province	356
Northern Cape Province	133
Western Cape Province	470

Number of State Vet Areas reported

The following table indicates the number of State Vet Areas per province that reports were received from (NULL reports excluded).

Province	Numberber of SV areas in	Number of SV areas that
	province	reported
Eastern Cape	25	22
Province	25	22
Free State	10	5
Gauteng	3	3
Kruger National	1	1
Park		
KwaZulu-Natal	11	10
Limpopo	25	4
Mpumalanga	12	9
North West	20	13
Province		
Northern Cape	7	7
Province		
Western Cape	7	7
Province	,	,

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).

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