

Monthly report on livestock disease trends as informally reported by veterinarians belonging to the Ruminant Veterinary Association of South Africa (RuVASA), a group of the South African Veterinary Association

January 2018

(Previous disease reports can be seen on the RuVASA website www.ruvasa.co.za)

Click on Disease Reports

The following practices and laboratories (113) submitted reports during January 2017:

Mpumalanga (9)

Balfour – Dr. Louis van Jaarsveld
Bethal – Dr. Hardus Pieters
Ermelo – Drs. Potgieter and Steinberg
Karino – Dr. Silke Pfitzer
Malalane – Drs. Van Sittert and Van Sittert
Middelburg –Drs. Malan, Erasmus and Bernitz
Piet Retief – Drs. Niebuhr and Weber
Standerton – Dr. Kobie Kroon
Volksrust – Drs. Watson, Solomon and Blaauw

Gauteng (7)

Bronkhorstspuit – Drs. De Bruin, De Bruin, Rudolph and Slabber
Hammanskraal – Dr. Hentie Engelbrecht
Magaliesburg – Dr. Ryan Jeffery
Nigel – Dr. Cindy van der Westhuizen
Onderstepoort Veterinary Academic Hospital – Proff. Annandale, Shakespear, Hplm, Pettey and Drs, Fitte, Grobler, Hamman, Koeppel, Leask, Mabu, Marufu, Mokoale, O'Dell, Tshuma and Van der Leek
Pretoria – Dr. Hanneke Pienaar
Vanderbijlpark – Dr. Kobus Kok

Limpopo (7)

Lephalale (Ellisras) – Dr. Brigitte Luck
Makhado (Louis Trichardt)– Drs. Harris, Klopper and Jacobs
Modimolle – (Nylstroom) – Drs. Huber, Bredell and Barnard

Mokopane (Potgietersrust)- Dr. Henk Visser

Polokwane (Pietersburg) – Drs. Watson, Viljoen, Jansen van Vuuren, Van Rooyen, Snyman and Cremona

Vaalwater – Dr. Hampie van Staden

Vaalwater – Dr. Annemieke Müller

North West (9)

Brits – Drs. Boshoff and Coertze

Christiana - Dr. Pieter Nel

Klerksdorp – Drs. Coetzee and Venter

Klerksdorp – Drs. Van den Berg, Van den Berg, Theron and Geral

Leeudoringstad – Dr. Ian Jonker

Lichtenburg – Dr. Nelmarie Krüger-Rall

Stella - Dr. Magdaleen Vossler

Ventersdorp/ Koster –Dr. Nico Benadé

Vryburg – Dr. Jurie Kritzingen

Free State (23)

Bloemfontein – Dr. Stephan Wessels

Bultfontein – Dr. Santjie Pieterse

Clocolan – Drs. Wasserman and Basson

Dewetsdorp – Dr. Marike Badenhorst

Ficksburg – Drs. Kotzé and Coetzer

Frankfort - Drs. Lessing, Cilliers and Janse van Rensburg

Gariepdam – Dr. Marni Malan

Hoopstad – Dr. Kobus Pretorius

Kroonstad – Drs. Daffue, Eksteen, Van Zyl and Van der Walt

Ladybrand/Excelsior - Dr. De Vos and Nel

Memel – Drs. Nixon and Nixon

Parys – Drs. Wessels and Wessels

Philippolis – Dr. Stephan van Niekerk

Reitz - Dr. Murray Smith

Reitz – Dr. Schabert Froneman

Senekal – Dr. Jan Blignaut

Smithfield – Dr. Nienke van Hasselt

Trompsburg – Dr. Wyn Irwin

Villiers – Drs. Hattingh and Hauptfleisch

Vrede – Drs. Bester-Cloete and Myburgh

Wesselsbron – Dr. Johan Jacobs

Winburg – Drs. Albertyn and Albertyn

Zastron – Drs. Troskie and Strauss

KwaZulu-Natal (13)

Bergville - Dr. Ariana Shepherd

Bergville – Dr. Jubie Muller

Camperdown – Dr. Anthony van Tonder
Dundee – Drs. Marais, Fynn and Reynolds
Estcourt – Drs. Turner, Tedder, Taylor, Tratschler, Van Rooyen and Alwar
Howick – Drs. Hughes, Lund, Gordon, Allison and Taylor
Kokstad - Drs. Clowes and Shrives
Mtubatuba – Dr. Trever Viljoen
Newcastle – Dr. Barry Rafferty
Pietermaritzburg – Dr. Phillip Kretzmann
Pongola – Dr. Heinz Kohrs
Underberg - Drs. Collins, King and Delaney
Vryheid – Drs. Theron and Theron

Eastern Cape (13)

Alexandria - Dr. Johan Olivier
Aliwal North – Drs. Troskie and Strauss
Bathurst – Dr. Jane Pistorius
Cradock – Dr. Frans Erasmus
Graaff- Reinet - Dr. Roland Larson
Graaff-Reinet – Drs. Hobson, Strydom and Hennesy
Humansdorp – Drs. Van Niekerk, Janse Van Vuuren and Davis
Jeffreys Bay – Drs. Lategan, Hoek and McFarlane
Port Alfred – Dr. Leon de Bruyn
Queenstown – Drs. Du preez, Godley, Klopper, Jansen van Vuuren, De Klerk and Catherine
Stutterheim - Dr. Dave Waterman
Uitenhage – Drs. Mulder and Krüger
Witelsbos – Dr. Elmien Kotze

Western Cape (18)

Beaufort West - Drs. Pienaar and Grobler
Caledon – Drs. Retief, Coetzer and Jansen
Caledon – Drs. Louw and Viljoen
Ceres – Drs. Pieterse, Wium, De Villiers and Scheepers
Darling – Drs. Van der Merwe, Adam and Senekal
George - Drs. Strydom, Truter and Pettifer
Heidelberg – Dr. Albert van Zyl
Malmesbury – Dr. Otto Kriek
Malmesbury – Dr. Markus Fourie
Malmesbury – Dr. Andrie Lesch
Oudtshoorn – Dr. Glen Carlisle
Piketberg – Dr. André van der Merwe
Plettenberg Bay – Dr. André Reitz
Riversdale – Drs. Du Plessis, Taylor and De Bruyn
Stellenbosch – Dr. Alfred Kidd
Swellendam – Dr. Jacques Malan
Vredenburg – Dr. Izak Rust

Wellington – Drs. Van Zyl and Louw

Northern Cape (7)

Calvinia – Dr. Bertus Nel

De Aar – Dr. Donald Anderson

Kathu – Dr. Jan Vorster

Kimberley – Drs. Van Heerden and Swart

Kuruman – Dr. Gerhard v.d. Westhuizen

Postmasburg – Dr. Boeta van der Merwe

Upington – Drs. Vorster and Visser

Feedlots (1)

Drs. Morris and Du Preez

Laboratory reports (6)

Dr. Marijke Henton - Vetdiagnostix, Johannesburg

Dr. Alan Fisher – Queenstown Provincial laboratory

Dr. Last, Bosch and Williams – Vetdiagnostix, Pietermaritzburg

Dr. Liza du Plessis – Idexx, Onderstepoort

Dr. Emily Lane – National Zoological Gardens and Veterinary Faculty

Dr. Mark Chimes – Dairy Standards, George

Key Messages

2018 shall be the year that all cattle owners work together to make sure that all heifers between four and eight months are vaccinated against bovine brucellosis with either Strain 19 or RB 51. According to law this is compulsory!

If vaccinations are done, the shedding of brucellosis bacteria will dramatically be reduced!

Brucellosis in cattle is the Veterinary Strategy's Model disease. Do you know what VET stands for?

V = Vaccinate

E = Educate

T = Test

The following regarding vaccination is stated in the DAFF manual regarding vaccination against bovine brucellosis:

Strain 19 & RB51 are the only Brucella vaccines currently approved for use in cattle in South Africa. Statutory use of S19 is limited to the single inoculation of heifers between the ages of four to eight months. The use of S19 more than once in the same animal is illegal because of the persistent vaccine reactions that it causes. Booster vaccinations with RB51 vaccine as set out below will ensure an improved and more persistent immunity. No animal, except heifers between the ages of four to eight months of age, may be given S19 vaccine except with the written permission of the Provincial Director. The use of S19 in heifers under three months of age leads to poor development of immunity. The persistence of vaccination titres is linked to the age at inoculation and time of testing.

In heifers inoculated before 6 months of age and tested after 18 months of age, usually less than 0,5% should have troublesome titres. It is ideal to mark S19 vaccinated heifers. The older the heifer at inoculation and the younger she is tested, the greater the percentage with positive reactions to all tests. On an infected property heifers from positive dams have passive immunity for up to 5 months, which interferes with their active immunisation. On infected properties heifers should be vaccinated as soon after five months as possible. On clean farms the heifers should be vaccinated as soon after four months as possible. Early maturing breeds such as Jersey and other Channel Island Breeds should be inoculated as close as possible to four months of age to avoid persistent titres as a result of S19. No bulls of any age may be inoculated with S19 or RB51 as it can cause orchitis and infertility in males.

At the following link information needed to educate cattle owners and consumers of unpasteurised dairy products regarding brucellosis are available..

<http://nahf.co.za/category/diseases/brucellosis/>

Translations in the major languages regarding the 5 core facts on bovine brucellosis are available at the following link:

<http://nahf.co.za/translations-for-bovine-brucellosis-5-core-facts-and-a-dozen-things/>

Websites that are there to help you with information regarding animal health:

National Animal Health Forum

www.nahf.co.za

Read what the Forum is all about:

<http://nahf.co.za/about/>

This website will become the information centre of animal health in Southern Africa.

On the toolbar click on **Stakeholders** and you will find links to producer organizations and other organizations who are participating in the NAHF

<http://nahf.co.za/stakeholders/>

Provincial Animal Health Forums have their own site – click on **Provinces**

<http://nahf.co.za/provinces/>

Important is to study the Veterinary Strategy (2016 -2026) as it gives direction to where we are going with Animal Health in South Africa.

<http://nahf.co.za/wp-content/uploads/Vet-strategy-final-signed.pdf>

Click on **Info centre** for more information on the “war” we have against Bovine Brucellosis. Please be up to date on the role all have to play to control this zoonotic disease.

<http://nahf.co.za/category/diseases/brucellosis/>

Information on other controlled diseases (Ovine Johne’s Disease, Pest of small stock – PPR, and African Horse Sickness) is available.

This link will continuously be updated.

Information on **antibiotic resistance** is also available at this address:

<http://nahf.co.za/category/antibiotic-resistance/>

Rural Veterinary Association of South Africa

www.ruvasa.co.za

Click on **Disease reporting** where maps and information can be sourced on the prevalence of diseases in all provinces. Abattoir reports are available. Use the information available to update management programmes

Landbouweekblad's webpage

www.landbou.com

[Vra vir Faffa](#)

Click on: **Indeks van antwoorde** where more than 4 000 answers can be sourced on animal health.

Click on Beeste

Click on Siektes

Click on Brusellose

Stop Brusellose

Gevaar om Beesbrusellose (BBR) deur vendusies en skoue te versprei

Rapportering aan bure of ander eienaars oor die voorkoms van brusellose

Inligting oor brusellose op die NAHF se webblad

Kuddebestuur voor die dekseisoen

Bees Brusellose handleiding

Tenliggaamwaardes om beesbrusellose in koeie te bepaal

Veterinêre Strategie 2016 -2026

'n Dosyn dinge wat jy moet weet van beesbrusellose

Vyf kernfeite wat jy van beesbrusellose (Besmetlike misgeboorte – BM) behoort te weet

Veiligheid van vleis en biltong afkomstig van 'n bees met brusellose

Vervoer van diere uit 'n positiewe brusellose kudde

Beheer van brusellose in 'n beeskudde

Boerderypraktyke wat die gevaar van die voorkoms van brusellose verhoog

Pak brusellose by die horings

Brucellose kan jou lewe verwoes

Brusellose in wild

Bestuur van positiewe besmetlike misgeboorte beeste

Aankoop van beeste wat besmetlike misgeboorte het

Antwoorde oor brusellose

Behandeling van besmetlike misgeboorte

Besmetlike misgeboorte uitbreek in 'n kudde

Gevaar van brusellose onderskat

RB51-inenting teen brusellose in dragtige koeie

Alles oor Besmetlike Misgeboorte (BM)

Kompensasie vir BM en TB positiewe beeste?

Nóg vrae oor besmetlike misgeboorte

Koeie positief getoets vir besmetlike misgeboorte

Vrae, antwoorde oor besmetlike misgeboorte

Brucellose: Wat staan ons te doen?

Internal parasite control

www.wormx.info

Summary of disease report for January 2018

113 Reports from veterinary practices and laboratories were received (Mpumalanga (MP) 11; Gauteng (G) 7; Limpopo (L) 7; Northwest (NW) 9; Free State (FS) 23; KwaZulu-Natal (KZN) 13; Eastern Cape (EC) 13; Western Cape (WC) 18; Northern Cape (NC) 7; Feedlots (FL) 1 and Laboratories (Lab) 6).

For the detailed report and previous reports go to www.ruvasa.co.za and click on Disease reporting

Internal parasites

The following reports were received from practices regarding internal parasite infestations:

Internal parasites	MP	G	L	NW	FS	KZN	EC	WC	NC
Roundworms	x	x	x	x	x	x	x	x	
Resistant roundworms	x	x	x	x	x	x	x		
Wireworm	x	x	x	x	x	x	x	x	
Brown stomach-worm						x		x	
Long-necked bankruptworm									
Large-mouthed bowelworm									
Nodularworm									
Lungworm									
Eyeworm									
<i>Parafilaria</i>			x	x		x			
Tapeworms	x	x	x		x	x	x		x
Liver fluke	x	x			x	x		x	
Conical fluke	x			x	x	x		x	

Cysticercosis (measles)			x	x	x			x	x
Schistosomiasis (bilharzia)									
Coccidiosis	x	x	x		x	x	x	x	
Cryptosporidiosis	x	x			x				

Good rainfall occurred in most of the the summer rain fall area and parasite populations will increase. Use the five point check to keep on top of what is happening in the flock. For further detail contact your local veterinarian.

<http://hulp.landbou.com/kundiges/vra-vir-faffa/vyfpuntplan-en-famacha-stelsel-vir-inwendige-parasietbestuur-in-skape/>

https://docs.wixstatic.com/ugd/ad98_cb447e77eef6450f93a2b23cb0e6b9de.pdf

External parasites

The following reports were received from practices regarding external parasite infestations:

External parasites	MP	G	L	NW	FS	KZN	EC	WC	NC
Blue ticks	x	x	x	x	x	x	x	x	
Resistant blue ticks					x	x		x	
Heartwater ticks	x	x	x	x		x	x	x	
Brown ear-ticks	x	x	x		x	x			
Bont-legged ticks	x	x	x	x	x	x			x
Red-legged ticks	x		x	x	x	x			x
Paralysis ticks	x				x				
Tampans									
Biting lice	x				x		x		x
Sucking lice					x		x		
Itch mites									
Sheep scab					x				
Mange mites		x							
Nuisance flies	x			x	x	x		x	
Midges	x				x	x		x	
Mosquitoes									
Blowflies	x		x		x		x	x	
Screw-worm	x		x				x		
Geddoelstia (uitpeuloogsiekte)									
Nasal bot	x	x			x	x			

Make sure to assess the blue tick resistance status on your farm before buying tickicides. Your veterinarian will be able to collect engorged blue ticks to be tested for resistance.

Actives to be tested for resistance are: organophosphates, pyrethroids, amidines. Active registered for controlling blue ticks are: macrocyclic lactones and fluazuron (acaricide growth regulator).

Tick numbers are increasing dramatically after the rains. Below is a list of diseases transmitted by ticks.

Tick borne diseases

The following tick borne diseases were reported by practices in the provinces:

Tick borne diseases	MP	G	L	NW	FS	KZN	EC	WC	NC
African red water	x	x	x	x	x	x	x	x	
Asiatic red water	x	x	x	x	x	x	x	x	
Anaplasmosis	x	x		x	x	x	x	x	
Heartwater	x	x	x		x	x	x		
Lumpy skin disease	x	x	x	x	x	x	x		x
Corridor disease									
Theileriosis									

Asiatic red water is spreading and is one of the deadliest diseases in cattle. On one dairy farm 20 dairy cows died of Asiatic red water. Twenty five susceptible Charolais cattle brought into an area where anaplasmosis was endemic contacted the disease and a few animals died in spite of treatment.

The new heartwater vaccine is still a year or two away as registration trials have to be done when the upscaling of vaccine production is accomplished.

The following tick toxicosis was reported by practices in the provinces:

Tick toxicosis	MP	G	L	NW	FS	KZN	EC	WC	NC
Sweating sickness	x		x	x	x				

Insect transmittable diseases

The following insect transmittable diseases were reported by practices condition in the provinces:

Insect transmittable diseases	MP	G	L	NW	FS	KZN	EC	WC	NC
Lumpy skin disease	x	x	x	x	x	x	x		x
Ephemeral fever (Three day stiff sickness)	x	x	x	x	x	x		x	x
Blue tongue		x		x		x			
Rift Valley Fever									
Wesselsbron									
Nagana									

Rains have fallen in many parts of the summer rainfall area which predicts lots of insect vectors. During January disease outbreaks of insect transmittable diseases were reported. Standing water is the ideal breeding environment for mosquitoes, the carriers of Rift Valley Fever!

Venerial diseases

The following venereal diseases were reported by practices in the provinces:

[illegible]

New cases of **trichomonosis** are reported every month and this disease is out of control. Make sure to buy bulls from farmers where biosecurity measures are in place and bulls are tested for these diseases at regular intervals.

Make sure that fences are in tact and gates closed so that bulls cannot escape to neighbouring cows that may be infected with *Tritrichomonas* and become infected or infected neighbouring bulls are jumping fences.

Cattle study groups should discuss preventative and control measures with their veterinarians. **Be sure to test bulls regularly for these diseases.**

Beware when buying in or sharing bulls! Remember female animals may also be infected.

Study the Good management SOP's for cattle farmers on the RPO website

<http://www.rpo.co.za/wp-content/uploads/2016/04/nuutRPO-NERPO-Code-Addendum.pdf>

<http://www.rpo.co.za/wp-content/uploads/2016/04/nuutRPO-NERPO-Code-Addendum-4-Good-management-practices-and-SOPs-for-cattle-farmers-1.pdf>

Bacterial diseases

The following bacterial diseases were reported by practices in the provinces:

[illegible]

Leptospirosis									
Listeriosis									
<i>Pseudomonas</i>									
<i>Fusibacterium necrophorum</i>		x			x	x			
Septicaemia				x		x		x	
<i>E. coli</i>	x	x	x	x	x	x	x		x
Enzootic abortion									
Lumpy wool	x	x						x	
Uterine gangrene									
Bovine dermatophilosis (Senkobo disease)									
Wooden tongue									
Lumpy jaw									

Study the table above and determine the risk for animals on your farm. Get advice from your veterinarian on *Cryptosporidium*/*E. coli* outbreaks in your area and what to do to prevent losses in lambs and calves.

When buying animals this Vendor declaration can help you to minimize risk!

VENDOR DECLARATION BOVINE BRUCELLOSIS

I hereby declare that I am the legal owner or authorised representative of the cattle on sale and am competent to make this declaration

1	The cattle for sale are clearly and permanently identified		Yes	No
2	The cattle for sale/slaughter were born on my farm		Yes	No
3	The farm has a closed herd policy i.e. I do not buy in cattle, rent out grazing or speculate with cattle		Yes	No
4	I practice bio-security on my farm to a level that is **	Poor	Moderate	Good
5	I vaccinate my heifer calves against Bovine Brucellosis once between the ages of 4 – 8 months		Yes	No
6	In addition I vaccinate my cattle older than 8 months with RB51		Yes	No
7	I have all the cattle on my farm tested for Bovine Brucellosis		Yes (date)	No
8	My herd has been tested negative within the past year		Yes	No
9	I did not buy in cattle since my last negative brucellosis test		Yes	No
10	I/my vet investigates any abortions on my farm		Yes	No
11	To the best of my knowledge, my immediate neighbours and farms in my area are free of Bovine Brucellosis		Yes	No
12	I use a veterinarian to advise me on my cattle's herd health		Yes	No

13	The cattle handling facilities on my farm are	Poor	Average	Good
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Note: Vaccination does not mean freedom from Bovine Brucellosis as cattle can still be carriers
Please attach the most recent *Brucella* blood test certificate

Owner or authorised representative:.....

Signature:.....

Date:.....

**** * Biosecurity**

Poor – speculates with cattle, does not vaccinate, poor fences, cattle come into contact with other cattle

Medium – Vaccinates heifers, does not buy in cattle of unknown health status

Good – closed herd/never buys in cattle, vaccinates heifers and no contact with other cattle, follows a herd health plan as advised by his veterinarian, does not allow transport trucks onto property, washes and disinfects truck after returning from the abattoir or auction grounds.

Compiled by: Dr. Sewellyn Davey, Chairman of the Brucellosis Steering committee of the National Animal Health Forum

Vendor's declaration for Ovine Johne's Disease

OVINE JOHNE'S DISEASE VENDOR DECLARATION

ON THE SALE OF SHEEP

(Updated Draft May 2015)

- | | | |
|--|------------|-----------|
| 1. I hereby declare that I am the owner or authorised representative of the sheep on sale and am competent to make this declaration. | YES | NO |
| 2. The sheep for sale are clearly identified in the accompanying description. | YES | NO |
| 3. The sheep for sale were born on my farm. | YES | NO |
| 4. The farm has a closed flock policy. (No live sheep are brought onto the farm from elsewhere) | YES | NO |
| 5. I know the signs of the disease and to the best of my knowledge, all of my properties are free of cases of Ovine Johne's Disease. | YES | NO |
| 6. I have actively looked for Ovine Johne's Disease and have had tests done for this. | YES | NO |
| 7. To the best of my knowledge, my immediate neighbours and farms in my magisterial district of my farm(s) are free of cases of Ovine Johne's Disease. | YES | NO |

8. The sheep on my properties have been vaccinated against Ovine Johne's Disease and are clearly marked with the approved ear tag.	YES	NO
9. All lambs born are vaccinated	YES	NO
10. If vaccinated, the number of years that the vaccinations have been done is		years

NOTE: Vaccination does not mean freedom from OJD, vaccinated animals can still be carriers.
Statement 8 and 9 apply only to already infected flocks, and such sheep can only be sold to other infected flocks by law.
Buyers should consult their veterinary advisor before any purchases.

Signature

Date

NAME

Farm: _____

District: _____

OWNER OR AUTHORIZED
REPRESENTATIVE

The use of this declaration is supported by the following organisations:



UNIVERSITEIT VAN PRETORIA
UNIVERSITY OF PRETORIA
UNIBESITHI YA PRETORIA



RUVASA
Council of Ruminant Producers of South Africa



Viral diseases

The following viral diseases were reported by practices in the provinces:

[illegible]

Fluoride									
Lead				x					
Paraquat									
Phosamine									
Aldicarb									
Organophosphate									
Zinc phosphide									
Pyrethroid								x	
Amitraz									
Levamisole									
Ivermectin									
Tilmicosin									
Bromoxynil nitrate									
Ionophor		x					x		
Hypo									
Monensin									x
Diazinon								x	

Beware when buying in animals or moving into rested grazing camps as they are the animals which usually eat toxic plants such as tulp and ink berries (*Cestrum*). Seventy Jersey heifers died when breaking into a camp where ink berries were growing.

Toxic plants are sometimes eaten by young animals that do not know these plants. Be aware of this situation and know where these plants are growing on the farm.

For further information on treatment of tulp and other poisonings visit:

www.landbou.com

Vra vir Faffa

Klik op Indeks van antwoorde

Klik op Beeste of Skape

Klik op Vergiftigings

Klik op die Opskrifte

Every month there are reports of urea poisoning. Be aware when feeding this product that the correct concentration is used and that the lick does not get wet!

The following deaths due to toxic plants and substances were reported: ink berries, duwweltjies, gifblaar, Lantana, vermeersiekte, diazinone and lead (batteries).

Research are being done to control Lantana:

We would like to investigate involvement of your readers and yourself in development of a National Programme for Management of Lantana similar to the attached National Programme for

Management of Parthenium. Our focus would be on the biological control of the species, however, farmers, landowners and communities would be interested in an integrated approach to the management of the species. Please do bear in mind that the rust-fungus will unfortunately not be a 'silver-bullet' as it is likely to impact some subspecies more than others and work better in some micro-climates than others..

Please can we consider how your readers would be able to contribute to the development of a National Programme? One element would be accurate mapping of the distribution of Lantana. If readers could be encouraged to report locations of Lantana then a more comprehensive map of its distribution would be feasible (we need to make sure that this is done in a co-ordinated fashion and using technology that allows for accuracy and ease of data collection (smart phone application to geographically referenced database – which would need to be set up and managed).

Encouraging readers to give input into a National Programme would result in greater support for its implementation. We would need to make sure that this is not too tedious a process.

Encouraging readers to be aware of the biological control agents that are out there already would also be useful. Again this could be reported using photographs and submitting these to a central database.

It would also be good if we could have landowners who would be willing to have 'biological control reserves' on their property. This would mean setting aside land that is infested by Lantana and ensuring that it is not cleared for any reason. The biological control agents would then be allowed to multiply in this area under the 'protection' of the landowner.

I write on behalf of Biological Control researchers at the Agricultural Research Council – Plant Protection Research Institute and at the Centre for Biological Control at Rhodes University.

<http://www.ru.ac.za/centreforbiologicalcontrol/>

Philip Ivey [<mailto:P.Ivey@ru.ac.za>]

Nutritional deficiencies

The following nutritional deficiencies were reported by practices in the provinces:

Deficiencies	MP	G	L	NW	FS	KZN	EC	WC	NC
Energy		x	x				x	x	
Protein		x					x	x	
Phosphate								x	x
Calcium						x	x		

Micro-nutritional deficiencies

The following micro-nutritional deficiencies were reported by practices in the provinces:

Deficiencies	MP	G	L	NW	FS	KZN	EC	WC	NC
Iodine									
Copper						x		x	
Zinc									
Selenium				x					x
Magnesium		x							
Manganese									
Vitamin A				x	x				
Vitamin B 1						x	x	x	

There are antagonists such as calcium, iron and sulphur which hamper the uptake of micro-minerals. Have water and soil samples analysed to see what the levels of these antagonists are. Arrange with your veterinarian to have liver samples analysed to determine the status of these micro-minerals in your herd or flock.

Beware of fluoride poisoning as borehole water levels drop..

Supplement animals with vitamin A during drought conditions.

Multifactorial diseases and other conditions

The following conditions were reported by practices in the provinces

Multifactorial diseases and other conditions	MP	G	L	NW	FS	KZN	EC	WC	NC
Abortions	x		x	x	x	x		x	
Stillbirths					x	x			
Abscesses	x	x	x	x	x	x	x	x	x
Intestinal ulcers									
Bladder stones –urolithiasis					x	x			x
Blindness					x				x
Bloat	x				x	x		x	x
Blue udder	x	x			x		x	x	
Diarrhoea	x	x	x	x	x	x		x	
Epididymitis	x							x	
Eye cancer	x	x		x	x	x	x	x	
Eye infections	x	x		x	x	x	x	x	x
Joint ill		x	x		x	x	x	x	
Lameness/foot problems	x	x	x	x	x	x		x	
Lung infection	x	x	x	x	x	x	x	x	x
Mastitis	x			x	x	x	x	x	
Navel ill	x		x		x			x	
Red gut (sheep, torsion of gut)								x	
Rectal prolaps									
Trauma					x	x		x	
Teeth wear									
Plastic bags (ingestion)									
Downer		x	x		x			x	

Predators		x			x				
Theft	x				x	x			
Traumatic pericarditis (wire in fore stomachs)			x			x			
Trauma (fractures etc)		x							
Trauma (veldfires)									

In the CODE OF CONDUCT of the RPO the following standard operating procedures are documented. The local veterinarian should be your partner to help you achieve the necessary standards. <http://www.rpo.co.za/BestPractices/English.aspx>

PRECAUTIONARY MEASURES TO SUPPORT BIO-SECURITY.

Precautionary measures are required to protect the herd against diseases acquired because of external contact. The following categories are of concern:

1. DIRECT LIVESTOCK PURCHASES (and own animals returning):

The following should be **verified** before importing new animals into the herd:

How long animals have resided at the purchase or previous location?

Have there been any recent disease outbreaks in the location?

Do brand marks clearly confirm ownership?

Was a vaccination program followed (need paper or veterinarian proof). What are the local prevalent external parasites and the routinely implemented control program?

Is a veterinarian supported control program against transmittable diseases followed?

Dates and sufficient number of tests for reproductive diseases of both male and female

Dates and tests for zoonotic diseases

The above should also be verified with the purchaser's own veterinarian.

2. PURCHASES FROM SALES OR SPECULATORS

Purchase only in areas which are not in close proximity to scheduled areas

Visually inspect the animals before purchasing for:

* brand marks

* parasite infestation

3. TRANSPORT TO THE FARM

Use only reputable transporters

Has the truck been cleaned and disinfected?

Truck to follow the shortest uninterrupted route

Truck to take the shortest route to the handling facilities

Do not allow the truck personnel to get in contact with the farm herd

4. ARRIVAL ON THE FARM

Off-load the livestock to limit stress and to be visually evaluated for any unnatural conditions.

Isolate them from the farm herd and shared facilities for at least 21 days (quarantine)

Retest for diseases of concern if needed, before mixing with the rest of the herd

Process new arrivals within 24 hrs after arrival (unique ID tag brand, dip, dose, vaccinate)

Inspect regularly

5. FEED PURCHASES

Ensure bales of hay are sourced from areas that are not bordering scheduled areas
Purchase feed from reputable dealers only
Avoid buying feed in second hand bags
Ensure feed trucks are also disinfected and cleaned, especially if also used to transport animals to abattoirs

6. VISITORS

Do not allow strangers or their vehicles amongst the livestock
Ensure fences are well maintained and preferably jackal and warthog proof

7. EMPLOYEES

Do not allow the employees to eat in feed stores
Supply employees with sufficient ablution facilities
Regularly arrange to let employees be medicated for tape worm and have health check-ups
Keep record of all employee livestock on the property
Treat employee livestock with separate but dedicated health programs
Ensure employees understand the reason behind the implemented bio-security measures to help ensure compliance.

GENERAL AND REPRODUCTION MANAGEMENT

Record keeping: All animals are individually identified and recorded.
To prove ownership: All animals are marked with the registered brand mark according to the Animal Identification Act, No 6 of 2002.
A defined breeding season is the basis of effective management: The breeding season coincides with the rainy season, i.e. the period when nutritive value of the pasture is at its best.
Sufficient energy reserves in the herd as measured by condition scoring are vital, especially for effective breeding, and when inadequate the herd is supplemented in consultation with a nutritionist: Condition scoring of bulls and cows are regularly done, particularly at the onset of the breeding season and supplemented if necessary.
Bull - cow ratios are maintained: A ratio of 1 to 25 is maintained in every separate herd.
Fertility of breeding bulls: All breeding bulls are tested for mating ability and semen quality before the breeding season.
Sexually transferable diseases: Sheath washes or scrapes on bulls are performed annually.
Diseases that can cause poor conception, abortion or weak calves: Cows are vaccinated against such diseases in consultation with the veterinarian.
Breeding success monitored by a veterinarian: Rectal pregnancy or scan diagnosis is done by the veterinarian 8 weeks after the breeding season.
Twenty percent of cows or more not pregnant: Further tests are done to determine cause of low pregnancy rate.
Culling of non-pregnant cows: Non-pregnant cows are removed from the herd and considered a necessary bonus to supporting herd income.

HERD HEALTH AND BIO-SECURITY

Maintenance of herd health is key to a successful enterprise: A veterinarian should visit the farm bi-annually at least.
Calf mortality before 3 months of age is an important reason for poor weaning percentage: Good management practices are applied to limit early calf deaths.
Some diseases and parasites (internal and external) are more often encountered in specific areas: Annual vaccinations and a parasite control program should be applied according to regional requirements and in liaison with the veterinarian.

Farmers selling weaned calves to feedlots may want to have a market advantage compared to others: A specific vaccination program is applied before weaning for that purpose.

Herds may be at risk of being exposed to CA and TB: The herd is tested annually for CA and all heifers are vaccinated against CA between 4 and 8 months of age with an efficient, approved remedy. The herd is tested at least every 5 years for TB

Precautionary measures are required to prevent diseases being imported into the herd: A quarantine program to keep incoming animals separate is followed. All incoming animals have a suitable certificate of negative test results or are of a certified clean, closed herd.

Stock remedies and medicines should be registered, correctly stored and used before the transpire date: All medicines and stock remedies are registered, stored and applied according to prescription. Prescribed medicines with a specific application are under the control of the veterinary profession: All prescription medicines are obtained and applied under prescription from a veterinarian.

Practices that had nothing to report

Alexandria – Dr. Johan Olivier

Karino – Dr. Silke Pfitzer

Lephalale – Dr. Brigitte Luck

George – Dr. Mark Chimes

Vryburg – Dr. Jurie Kritzing

Vaalwater – Dr. Annemieke Müller

Vanderbijlpark – Dr. Kobus Kok

Wellington – Dr. William van Zyl

Equines

Free State

Gariep Dam

Theileria equi, *T. caballi* – Arab horse (Bethulie)

Eastern Cape

Port Alfred

Biliary - 2 cases (Kleinmond)

Foal Diarrhoea – *E.coli* 2 cases (Bathurst)

Northern Cape

Kimberley

Piroplasmosis – 1

Upington

Infarct of intestines – 1 R3 million stallion died. *Strongylus vulgaris* (blood worm) in artery causing thrombosis and infarct.

Game

Gauteng

Pretoria

Intestinal roundworms - 2

Bont tick – 3

Heartwater – 2
Abscesses – 2
Lameness - 2

Limpopo

Modimolle

Wound – Nyala with wound infested with screw-worm larvae
Wireworm infestation – Sable died, haematocrit of 8; one blesbok died of internal parasite infestation.

Mokopane

Blue ticks – 1
Heartwater tick – 1
Brown ear-ticks – 2
Bont-legged ticks – 1
Screw-worm - 1

Polokwane

Intestinal roundworms – 3
Resistant roundworms – 3
Brown ear-tick - 3
Bont-legged tick -3
Blackleg - 1
Coccidiosis – 1
Energy deficiency - 1
Selenium deficiency – 1
Diarrhoea - 1
Eye infection - 1

North West

Klerksdorp

Red-legged ticks – 2
Bont –legged ticks – 2
Lightning – Lions, two killed
Giraffe – one died to rope in rumen

Free State

Parys

Midges - 3

KwaZulu-Natal

Bergville

Intestinal roundworms - 2
Diarrhoea – 1
Ophthalmia - 1

Eastern Cape

Port Alfred

Verminosis and Theileriosis – Sable calf (Langholm)
Theileriosis – Sable calf (Port Alfred)
Translocation myopathy – Blesbuck 4 cases
Septic vaginitis – Blesbuck one case

Uitenhage

Internal roundworms – 1 Sable

Northern Cape

Kimberley

Internal parasites – 1 Roan

Dystocia – 1 Buffalo

Swine

North West

Lichtenburg

E. coli septicaemia in a piglet

Eastern Cape

Uitenhage

E. coli - 1

Monthly report on Livestock and Wildlife isolations for January 2018 from Vetdiagnostix –Microbiology Laboratory, supplied by dr. Marijke Henton

(henton@vetdx.co.za)

Vetdiagnostix Bacteriology, January 2018

A case of enteritis in pigs yielded *E. coli*, and additional virulence factor testing showed that the isolate was positive for the K88 attachment factor, as well as the toxins STaP, STb and LTb, corresponding with enterotoxigenic *E. coli* [ETEC] of suckling pigs, as well as weaned pigs. Identifying these factors also helped the veterinarian to select the correct vaccines, containing these factors, for the affected farm. Another farm yielded both *Salmonella* Typhimurium and an ESBL positive *E. coli*. Extended Spectrum Beta Lactamase strains are resistant to all penicillins and cephalosporins, and usually most other antibiotics as well.

Clostridium novyi, which causes “Aero Chocolate” liver, was identified by FA on pig liver smears. The liver becomes brown and full of small holes, due to the large amounts of gas produced by *C. novyi*.

Lung infections in cattle yielded *Mannheimia haemolytica* [2], *Mannheimia* taxon 7, *Trueperella pyogenes* [2], one together with *Pseudomonas aeruginosa*, and combined *Salmonella* Dublin and *Streptococcus suis*.

Trueperella pyogenes was also isolated from endometritis, and from an abscess together with the anaerobe, *Prevotella*. *Actinomyces* was isolated from two other abscesses.

A chronic case of mastitis yielded *Corynebacterium amycolatum*, which is an opportunist of animals and man.

Keratoconjunctivitis yielded *Moraxella bovoculi*. The pinkeye vaccine contains *Moraxella bovis*, and it does not protect against *Moraxella bovoculi* infection.

Enteritis yielded two cases of *Cryptosporidium* together with *E. coli*, and there was one case where *Cryptosporidium* was isolated together with the anaerobe, *Prevotella*. Anaerobes can also act as secondary invaders of the damage done by *Cryptosporidium*, in the same way that *E. coli* does. There were two cases of *E. coli* alone.

There was one case of *Clostridium novyi* alone, and one where different infected areas yielded *C. novyi* in one area, and *C. sordellii* in another.

Enteritis in sheep yielded combined *Cryptosporidium* and *E. coli* [2].

Feedlot report received from Drs. Shaun Morris and Eben du Preez for January 2018 (edupreez1@telkomsa.net)

Condition	Comments and Specie
Intestinal roundworms	O 3
Tapeworms	O 3
Liver fluke worms	B 3, O 1
Conical fluke	B 1
Parafilaria	B 3
Cysticercosis (measles)	B 3
Coccidiosis	O 2
Blue ticks	B 3
Heartwater tick	B 2
Brown ear-tick	B 3
Bont-legged tick	B 3
Red-legged tick	B,O 3
Blowflies	O 2
Screw-worm	B 1
Midges	B 2
Asiatic red water	B 3
Anaplasmosis	B 3
Heartwater	B 2
Sweatingsickness	B 3
Lumpy skin disease	B 3
Trichomonosis (new farm 2 out of 4 bulls positive)	B 2
Quarter evil	B 2
Swelled head	B 1
Red gut	B 3
Blood gut	O 3
Pulpy kidney	O 3
<i>Salmonella</i>	B 1
<i>E. coli</i>	O 3
Ringworm	B 3
Warts	B 3
Orf	O 2
Urea toxicity	B 3
Ink berry toxicity	B 1

Energy deficiency	B 3
Vitamin A deficiency	O 1
Dystocia	B 3
Joint ill	B 2
Lameness	B,O 3
Lungs	B,O 3
Diarrhoea	B,O 3
Eye infection	B,O 3
Abscesses	B,O 3
Heatstroke	B 3
Trauma	B 3
Pericarditis	B 3

Deaths reported by farmers:

Deaths on farm where backgrounding was done due to anaplasmosis and red water.

Monthly report for January 2018 from Dr R D Last (BVSc; M.Med.Vet(Path); MRCVS)

Specialist Veterinary Pathologist, Vetdiagnostix - Veterinary Pathology Services

Contributors

Mr Butch Bosch, Ms Ntando Magoso, Mrs Beverley Williams, Ms Nicole Genga, Dr Rick Last

LIVESTOCK DISEASE SURVEILLANCE			
LIVESTOCK SPECIES	DISEASE AGENT	NO. CASES	LOCATION
Bovine, Dairy Cows	Kikuyu poisoning	1	Howick, KZN
Bovine, Feedlot Steer	Rumen acidosis plus leaky gut syndrome	1	Parys, Free State
Bovine, Calves	Cryptosporidiosis	1	Estcourt, KZN
Bovine, Adult Dairy Cow	Pulmonary thromboembolism	1	Howick, KZN
Ovine, Aborted Fetus	Chlamydia enzootic abortion	1	Clocolan, Free State
Bovine, Jersey Heifer	Eosinophilic myocarditis	1	Humansdorp, E.Cape
Bovine, Calves	Cryptosporidiosis	1	Kokstad, E. Cape
Bovine, Dairy Cows	<i>Pasteurella multocida</i> hemorrhagic septicaemia	1	Dundee, KZN
Goats, Kids 4 weeks	Cryptosporidiosis	1	Rustenburg, North West

WILDLIFE DISEASE SURVEILANCE 2018			
WILDLIFE SPECIES	DISEASE AGENT	NO. CASES	LOCATION
Lion Cub	Cryptosporidium	1	Parys, Free State
Sable Antelope, Juvenile	Rumen acidosis	1	N. Cape
Wildebeest, Sub-Adult	Vermiosis	1	N. Cape
Sable Antelope, Adult	Liver lobe torsion-infectious necrotic hepatitis	1	N. Cape
WILDLIFE DISEASE SURVEILANCE			
Nyala Antelope, Adult Female	Hypersensitivity pneumonia	1	Mtubatuba, KZN
Roan Antelope, Adult Female	Theileriosis	1	Beestekraal, Limpopo
Sable Antelope, Adult Female	Babesiosis	1	Thabazimbi, Limpopo
Green turtle, Stranded Adult	Fibropapilloma	1	Port Elizabeth, Eastern Cape
Buffalo, Adult Bull	Demodecosis	1	Thabazimbi, Limpopo
Buffalo, Adult Cow	Dermatophytosis	1	Thabazimbi, Limpopo

Monthly report for January 2018 from Queenstown Provincial Veterinary Laboratory as supplied by Dr. A.D. Fisher (alan.fisher@drdar.gov.za)

Condition	Area	Comments and Specie
Intestinal roundworms		O,C 2
Resistant roundworms		O 1
Liver fluke		O 1
Biting lice		O 1
Asiatic red water		B 1
Anaplasmosis		B 1
Blackleg		B 3, <i>Clostridium perfringens</i>
Gangrenous mastitis, Streptococcus		Caprine 1
Rabies	Mthatha Hole in the wall Dutywa Sterkspruit Barkly East	B 1 Canine 1 B 1 Canine 1 Canine 1
Dourine	Ngcobo	Equine 1
<i>Lantana</i> toxicity	Cofimvaba	O 1
<i>Senecio</i> toxicity	KWT	O 1

Rabies – Canine, bovine – ongoing outbreak in Eastern Cape (former Transkei)

B – bovine; O – ovine; C – caprine; P – pigs; G – game

1 = one case; 2 = 2 to 9 cases; 3 = more than 10 cases

**Monthly report on Livestock and Wildlife isolations for January 2017 from
IDEXX Laboratories supplied by dr. Liza du Plessis (Liza-DuPlessis@idexx.com)**

Condition	Comments and Specie
Blue ticks	E 1
Heartwater tick	E 1
Red-legged tick	E 1
Heartwater	O 1
Lumpy skin disease	B 1
Salmonellosis	B 2
Tuberculosis	B 1
Dermatophytosis	E 1
Coccidiosis	G 1
Cryptosporidiosis	B 1
BMC (snotsiekte)	B 1
Orf	C 1
Equine sarcoid	E 1
Selenium deficiency	G 2
Liver toxicity	G 1
Abortion	E 1
Metritis	B 1
Lung infection	B 1
Diarrhoea	B,G 1

12th February 2018

DAFF

Import/Export Policy Unit Subdirector

Monthly report:

Cases sent to referring veterinarians between 3rd January and 12th February 2018

Cases from State vet Skukuza or Orpen

Cases imported with master permit (none)

Note: Pending NZG cases are being done by Dr Lewis as part of her training in wildlife pathology and so results are delayed.

PMDate	Species	Final	PM No
02 Aug 17	Brown Lemur	Splenic haemangiosarcoma	17Z127
04 Aug 17	African Wild Dog	Spondylosis	17Z128
08 Aug 17	Giant Anteater	Complications of bacterial cellulitis	17Z130
21 Aug 17	White Rhino	Traumatic injury	17Z147
21 Aug 17	White Rhino	Poached animal	17Z148

PMDate	Species	Final	PM No
21 Aug 17	White Rhino	Pending (BTB monitoring)	172150
21 Aug 17	White Rhino	Pending (BTB monitoring)	172151
21 Aug 17	White Rhino	Pending (BTB monitoring)	172149
01-Sep-17	Ground Pangolin	Complications of a fractured leg	172157
04-Sep-17	Tamborine dove	Blunt trauma	172158
05-Sep-17	Caracal	Renal disease, pancreatitis and suspected malnutrition	172159
06-Sep-17	Boa constrictor	Pending	172162
06-Sep-17	Spotted Eagle Owl	Pending	172161
06-Sep-17	Nubian Ibex	Cachexia	172160
07-Sep-17	Cheetah	Presumed Toxoplasmosis	172163
07-Sep-17	Cheetah	Suspected Toxoplasmosis	172164
08-Sep-17	Bald Ibis	Metatarsal chondrosarcoma	172165B
12-Sep-17	Roan	Pending	172166
12-Sep-17	Cheetah	None possible (no lesions)	172167
09-Oct-17	Skaapsteker	Pending	172169
09-Oct-17	Blue and Gold Macaw	Pending	172170
09-Oct-17	Domestic Cat	Pending	172168
09-Oct-17	Madagascan Ground Boa	Pending	172171
20-Oct-17	Sable	Pending	172174
20-Oct-17	African Edible Bullfrog	Pending	172175
20-Oct-17	Egyptian Goose	Pending	172176

DISEASE DISTRIBUTION REPORT AS REPORTED BY VETERINARIANS

Table of Contents

<u>Internal Parasites</u>	Roundworms in general , Resistant Round Worms , Wireworm , Brown stomach-worm , Tape Worms , Parafilaria , Liver fluke , Conical Flukes , Cysticercosis
<u>External Parasites</u>	Blue ticks , Resistant blue Ticks , Heartwater (Bont) ticks , Brown ear-ticks , Bont-legged ticks , Red-legged ticks , Paralysis ticks , Biting lice (red lice) , Sucking lice (blue lice) , Scab mites , Mange Mites , Nuisance Flies , Blowflies , Screw-worm , Nasal bot larvae , Midges , Other
<u>Tick-borne Diseases</u>	African red water , Asiatic red water , Anaplasmosis , Heartwater , Sweating Sickness
<u>Insect Transmittable Diseases</u>	Lumpy skin disease , Three-day-stiffsickness , Blue tongue
<u>Venereal Diseases</u>	Trichomonosis , Vibriosis , Pizzle disease
<u>Bacterial Disease (other)</u>	Blackquarter , Botulism , Pulpy Kidney , Lamb dysentery , Swelled head disease , Red gut (cattle) , Blood gut (Sheep) , Tetanus , Salmonellosis , Brucella abortus , Brucella ovis , Johne`s

	disease , Septicaemia , E. coli , Dermatophilosis (Lumpy Wool) , Fusibacterium necrophorum , Other
Protozoal diseases (other)	Besnoitiosis , Coccidiosis , Cryptosporidiosis
Fungal diseases	Ringworm
Viral Diseases (other)	BMC , BVD (Bovine viral diarrhoea) , IBR (Infectious bovine rhinotracheitis) , Enzootic Bovine Leucosis (EBL) , Jaagsiekte , Orf , Warts , Corona Virus , Other viral disease not listed
Poisonings (Plant) and Fungal	Cardiac glycoside poisoning , Cestrum , Cynanchum poisoning , Facial eczema , Geeldikkop/Dikoor , Gifblaar , Gousiekte , Lantana , Lupine Poisoning , Nitrate poisoning , Prussic acid poisoning , Rye grass poisoning , Seneciosis , Vermeersiekte (Gaigeria spp.)
Poisonings	Water contamination , Urea Poisoning , Snake Bite , Chemical products , Other
Macro Nutritional Problems	Energy deficiency , Protein deficiency , Phosphate deficiency , Calcium deficiency
Micro Nutritional Problems	Copper deficiency , Selenium deficiency , Magnesium deficiency , Vitamin A deficiency , Vitamin B deficiency
Multi-factorial Disease Conditions	Abortions , Stillbirths , Abscesses , Abscesses in general , Bladder stones , Blindness , Bloat , Blue udder , Diarrhoea , Epididymitis , Eye Cancer , Eye infections , Joint Ill , Lameness/Foot Problems , Lung infection , Mastitis in general , Navel Ill , Red gut (Sheep) , Trauma , Downer
Metabolic Diseases	Acidosis , Displaced abomasum , Ketosis , Milk Fever
Reproductive diseases	Dystocia (Difficult Births) , Endometritis , Metritis , Poor conception , Retained afterbirth , Sheath Prolaps , Uterus prolaps , Vaginal (Cervical) prolaps
Climatical Cause	Drought , Heat stress , Lightning
Non specific diseases	Preditors , Sabotation - Theft , Trauma

Internal Parasites

Roundworms in general

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.9 (8)	1.5 (4)	3.0 (2)	3.0 (2)	2.3 (7)	2.0 (6)	2.2 (5)	1.8 (4)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef	1.7 (3)	1.0 (1)				2.0 (2)		2.0 (1)	
Dairy							2.0 (1)		
Sheep	2.0 (4)	1.7 (3)	3.0 (1)	3.0	2.3	2.0 (3)	2.0 (2)	1.7 (3)	

				(1)	(7)			
Goat	2.0 (1)		3.0 (1)	3.0 (1)		2.0 (1)	2.5 (2)	

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 2, Sheep: 2, Goat: 2

Middelburg , Middelburg Dierehospitaal

Sheep: 2

Standerton, Econovet

Beef: 2, Sheep: 3

Volksrust, Cape Cross Volksrust Dierehospitaal

Beef: 1, Sheep: 1

Gauteng

Muldersdrift, Muldersdrift Animal Hospital

Sheep: 2

Pretoria, Anima Veterinary Consulting Rooms

Sheep: 2

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 1, Sheep: 1

Limpopo

Polokwane, Pietersburg Veterinary Clinic

Sheep: 3, Goat: 3

North West

Christiana, Christiana Dierehospitaal

Sheep: 3, Goat: 3

Free State

Bloemfontein, Dr Stephan Wessels

Sheep: 3

Clocolan, Clocolan Dierekliniek

Sheep: 2

Ficksburg, Oosvrystaat Dierse Produkte

Sheep: 2

Kroonstad, Kroonstad Dierehospitaal

Sheep: 3

Ladybrand, Ladybrand

Sheep: 2

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 2

Vrede, Vrede Dierehospitaal

Sheep: 2

Kwazulu-Natal

Bergville, Tugela Vet Clinic

Beef: 2, Sheep: 2

Kokstad, E.G.Veterinary Services

Sheep: 2

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2

Pietermaritzburg, Richmond Veterinary Clinic

Sheep: 2, Goat: 2

Eastern Cape

Graaff-Reinet, Camdeboo Veterinary Clinic

Sheep: 1, Goat: 2

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Sheep: 3, Goat: 3

Port Alfred, Port Alfred Veterinary Clinic

Dairy: 2

Two dairy calves (Martindale); one cow (Port Alfred); 2 beef calves (Bathurst)

Western Cape

Caledon, Overberg Veterinary Hospital

Sheep: 2

Ceres, Ceres Veterinary Hospital

Beef: 2

Riversdale, Riversdal Dierekliniek

Sheep: 2

Wellington, Wellington Dierehospitaal

Sheep: 1

Egg counts low

Resistant Round Worms

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)	2.0 (1)	3.0 (2)	1.0 (1)	1.7 (3)	2.0 (3)	2.0 (2)		

Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Sheep	1.0 (1)	2.0 (1)	3.0 (1)		1.7 (3)	2.0 (2)	2.0 (1)		
Goat			3.0 (1)	1.0 (1)		2.0 (1)	2.0 (1)		

Mpumalanga**Balfour, Balfour Dierekliniek**

Sheep: 1

Gauteng**Pretoria, Anima Veterinary Consulting Rooms**

Sheep: 2

Limpopo**Polokwane, Pietersburg Veterinary Clinic**

Sheep: 3, Goat: 3

North West**Christiana, Christiana Dierehospitaal**

Goat: 1

Free State**Bloemfontein, Dr Stephan Wessels**

Sheep: 3

Ladybrand, Ladybrand

Sheep: 1

Reitz, Riemland Dierehospitaal

Sheep: 1

Kwazulu-Natal**Bergville, Tugela Vet Clinic**

Sheep: 2

Pietermaritzburg, Richmond Veterinary Clinic

Sheep: 2, Goat: 2

Eastern Cape**Graaff-Reinet, Graaff Reinet Veterinary Clinic**

Sheep: 2, Goat: 2

Wireworm

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
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Average	2.0 (4)	1.7 (3)	3.0 (1)	2.0 (1)	2.3 (9)	2.3 (3)	1.3 (4)	1.0 (1)
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Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Sheep	2.0 (3)	2.0 (2)	3.0 (1)	2.0 (1)	2.3 (9)	2.5 (2)	1.3 (3)	1.0 (1)
Goat	2.0 (1)	1.0 (1)				2.0 (1)	1.0 (1)	

Mpumalanga

Bethal, Bethal Dierekliniek

Sheep: 2

Malelane, Malelane Dierekliniek

Goat: 2

Standerton, Econovet

Sheep: 3

Volksrust, Cape Cross Volksrust Dierehospitaal

Sheep: 1

Gauteng

Bronkhorstspuit, Kerkstraat Dierekliniek

Sheep: 2, Goat: 1

Hammanskraal, Themba Animal Clinic

Sheep: 2

Limpopo

Makhado, Blouberg Dierekliniek

Sheep: 3

10 cases

North West

Lichtenburg, Dr CM Kruger-Rall

Sheep: 2

Free State

Clocolan, Clocolan Dierekliniek

Sheep: 2

Ficksburg, Oosvrystaat Diere Produkte

Sheep: 2

Frankfort, Frankfort Dierekliniek

Sheep: 3

Gariepdam, Gariep Dierekliniek

Sheep: 3

Merino lambs on pastures - Philippolis area

Kroonstad, Kroonstad Dierehospitaal

Sheep: 3

Ladybrand, Ladybrand

Sheep: 3

Reitz, Riemland Dierehospitaal

Sheep: 2

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 2

Wesselsbron, Wesselsbron Dierekliniek

Sheep: 1

Kwazulu-Natal

Estcourt, Estcourt Vet Clinic

Sheep: 3, Goat: 2

Kokstad, E.G.Veterinary Services

Sheep: 2

Eastern Cape

Aliwal North, Hertzogbrug Dierekliniek

Sheep: 1

Graaff-Reinet, Camdeboo Veterinary Clinic

Sheep: 1, Goat: 1

Stutterheim, Stutterheim Veterinary Clinic

Sheep: 2

Wireworm in small group of young lambs, respiratory infection and sheath, not anaemic.

Western Cape**Riversdale, Riversdal Dierekliniek**

Sheep: 1

Brown stomach-worm

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
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Average

3.0 (1)

Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Dairy

3.0 (1)

Kwazulu-Natal**Howick, Howick Veterinary Clinic**

Dairy: 3

Tape Worms

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
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Average

1.0 (3)

1.0 (1)

2.0 (2)

2.0
(5)

3.0 (1)

1.3 (4)

1.0 (1)

Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef	1.0 (2)				2.0 (1)				1.0 (1)
Dairy						3.0 (1)			
Sheep	1.0 (1)		2.0 (1)		2.0 (4)		1.0 (2)		
Goat		1.0 (1)	2.0 (1)				1.5 (2)		

Mpumalanga**Middelburg, Middelburg Dierehospitaal**

Beef: 1

Volkstrust, Cape Cross Volksrust Dierehospitaal

Beef: 1, Sheep: 1

Gauteng**Bronkhorstspuit, Kerkstraat Dierekliniek**

Goat: 1

Limpopo**Polokwane, Pietersburg Veterinary Clinic**

Sheep: 2, Goat: 2

Free State**Clocolan, Clocolan Dierekliniek**

Sheep: 2

Ladybrand, Ladybrand

Sheep: 3

Reitz, Riemland Dierehospitaal

Beef: 2, Sheep: 2

Wesselsbron, Wesselsbron Direkliniek

Sheep: 1

Kwazulu-Natal

Howick, Howick Veterinary Clinic

Dairy: 3

Eastern Cape

Aliwal North, Hertzogbrug Direkliniek

Sheep: 1

Bathurst, Dr Jane Pistorius

Goat: 1

One case of *Coenurus cerebralis* (gid, malkopsiekte, turning disease)

Graaff-Reinet, Camdeboo Veterinary Clinic

Sheep: 1, Goat: 2

Northern Cape

Kathu, Kathu Direkliniek

Beef: 1

Parafilaria



PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average			1.3 (3)	3.0 (1)		2.0 (3)			

Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef			1.3 (3)	3.0 (1)		2.0 (3)			
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Limpopo

Makhado, Blouberg Direkliniek

Beef: 2

8 cases

Mokopane, Potgietersrus Direkliniek

Beef: 1

Polokwane, Pietersburg Veterinary Clinic

Beef: 1

North West

Stella, Stella Direkliniek

Beef: 3

Kwazulu-Natal

Mtubatuba, Mtubatuba Animal Clinic

Beef: 1

Pietermaritzburg, Richmond Veterinary Clinic

Beef: 3

Vryheid, Vryheid Privaat Veeartse

Beef: 2

Liver fluke



PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (1)	2.0 (1)			3.0 (1)	2.7 (3)		1.0 (2)	

Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef	2.0 (1)	2.0 (1)			2.5 (2)		1.0 (2)
Dairy					3.0 (1)		
Sheep				3.0 (1)			

Mpumalanga
Balfour, Balfour Dierekliniek
Beef: 2
Free State
Ladybrand, Ladybrand
Sheep: 3
Kwazulu-Natal
Howick, Howick Veterinary Clinic
Beef: 3, Dairy: 3
Pietermaritzburg, Richmond Veterinary Clinic
Beef: 2
Western Cape
Malmesbury, Dr Otto Kriek
Beef: 1
Stellenbosch, Stellenbosch Animal Hospital
Beef: 1

Conical Flukes



PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)			2.0 (1)	3.0 (1)	1.0 (1)		1.0 (1)	

Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef	1.0 (1)			2.0 (1)	3.0 (1)	1.0 (1)			
Dairy								1.0 (1)	

Mpumalanga
Balfour, Balfour Dierekliniek
Beef: 1
North West
Lichtenburg, Dr CM Kruger-Rall
Beef: 2
Free State
Frankfort, Frankfort Dierekliniek
Beef: 3
Kwazulu-Natal
Mtubatuba, Mtubatuba Animal Clinic
Beef: 1
Western Cape
Stellenbosch, Stellenbosch Animal Hospital
Dairy: 1

Cysticercosis



PROVINCE	Mpumalanga	Gauteng	Limpopo	North	Free	Kwazulu-	Eastern	Western	Northern
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				West	State	Natal	Cape	Cape	Cape
Average			1.0 (1)	1.0 (1)	2.0 (2)			1.0 (1)	2.0 (1)

Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef			1.0 (1)	1.0 (1)	2.0 (2)				
Dairy								1.0 (1)	
Sheep									2.0 (1)

Limpopo
Mokopane, Potgietersrus Direklyniek
Beef: 1
North West
Lichtenburg, Dr CM Kruger-Rall
Beef: 1
Free State
Parys, Parys Direhospitaal
Beef: 3
Wesselsbron, Wesselsbron Direklyniek
Beef: 1
Western Cape
Stellenbosch, Stellenbosch Animal Hospital
Dairy: 1
Northern Cape
Postmasburg, Postmasburg Direklyniek
Sheep: 2

External Parasites

Blue ticks

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.4 (7)	3.0 (3)	2.0 (2)	3.0 (1)	2.4 (12)	2.5 (8)	2.5 (2)	2.2 (5)	

Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef	2.6 (5)	3.0 (1)	2.0 (2)	3.0 (1)	2.5 (10)	2.4 (7)	2.5 (2)	2.0 (2)	
Dairy	2.0 (1)				1.0 (1)	3.0 (1)		2.3 (3)	
Sheep	2.0 (1)	3.0 (1)			3.0 (1)				
Goat		3.0 (1)							

Mpumalanga
Balfour, Balfour Direklyniek
Beef: 2, Sheep: 2
Ermelo, Môregloed Veterinêre Spreekkamer
Dairy: 2
Middelburg, Middelburg Direhospitaal

Beef: 3

Piet Retief, Pets Vet Hospital

Beef: 3

Standerton, Econovet

Beef: 2

Volkswest, Cape Cross Volkswest Dierehospitaal

Beef: 3

Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 3, Sheep: 3, Goat: 3

Limpopo

Mokopane, Potgietersrus Diereklíníek

Beef: 1

Polokwane, Pietersburg Veterinary Clinic

Beef: 3

North West

Lichtenburg, Dr CM Kruger-Rall

Beef: 3

Free State

Bloemfontein, Dr Stephan Wessels

Beef: 2

Clocolan, Clocolan Diereklíníek

Beef: 3

Ficksburg, Oosvrystaat Diere Produkte

Beef: 3

Frankfort, Frankfort Diereklíníek

Beef: 3

Hoopstad, Hoopstad Diereklíníek

Beef: 3, Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 3

Memel, Memel Veterinary Clinic

Beef: 2

Villiers, Wilgepoort Diereklíníek Vennootskap

Beef: 2, Dairy: 1

Wesselsbron, Wesselsbron Diereklíníek

Beef: 2

Winburg, Winburg Diereklíníek

Beef: 2

Kwazulu-Natal

Bergville, Tugela Vet Clinic

Beef: 1

Dundee, Endumeni Herd health

Beef: 3

Howick, Howick Veterinary Clinic

Beef: 3, Dairy: 3

Kokstad, E.G.Veterinary Services

Beef: 2

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2

Pietermaritzburg, Richmond Veterinary Clinic

Beef: 3

Vryheid, Vryheid Privaat Veeartse

Beef: 3

Eastern Cape

Aliwal North, Hertzogbrug Diereklíníek

Beef: 2

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Beef: 3

Western Cape

George, George Animal Hospital

Dairy: 3

Heidelberg (WC), Heidelberg Dierekliniek

Dairy: 2

Oudtshoorn, Oudtshoorn Dierekliniek

Beef: 2

Riversdale, Riversdal Dierekliniek

Beef: 2, Dairy: 2

Resistant blue Ticks

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average					2.0 (2)	2.0 (1)		3.0 (1)	

Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef					2.0 (2)	2.0 (1)			
Dairy								3.0 (1)	

Free State**Clocolan, Clocolan Dierekliniek**

Beef: 1

Parys, Parys Dierehospitaal

Beef: 3

Kwazulu-Natal**Pietermaritzburg, Richmond Veterinary Clinic**

Beef: 2

Western Cape**George, George Animal Hospital**

Dairy: 3

Heartwater (Bont) ticks

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	3.0 (2)	2.3 (6)	2.2 (5)	3.0 (1)		1.8 (10)	1.0 (1)	2.0 (3)	

Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef	3.0 (1)	2.0 (2)	2.0 (2)	3.0 (1)		2.0 (4)	1.0 (1)	2.0 (1)	
Dairy								2.0 (1)	
Sheep		2.5 (2)	2.0 (2)			1.3 (3)		2.0 (1)	
Goat	3.0 (1)	2.5 (2)	3.0 (1)			2.0 (3)			

Mpumalanga**Middelburg , Middelburg Dierehospitaal**

Beef: 3, Goat: 3

Gauteng**Bronkhorstspuit, Kerkstraat Dierekliniek**

Beef: 1

Hammanskraal, Themba Animal Clinic

Beef: 3, Sheep: 3, Goat: 3

Pretoria, Anima Veterinary Consulting Rooms

Sheep: 2, Goat: 2

Limpopo**Mokopane, Potgietersrus Dierekliniek**

Beef: 1, Sheep: 1

Polokwane, Pietersburg Veterinary Clinic

Beef: 3, Sheep: 3, Goat: 3

North West**Stella, Stella Dierekliniek**

Beef: 3

Kwazulu-Natal**Bergville, Tugela Vet Clinic**

Sheep: 1

Dundee, Endumeni Herd health

Beef: 2

Mtubatuba, Mtubatuba Animal Clinic

Beef: 3, Goat: 3

Pietermaritzburg, Richmond Veterinary Clinic

Beef: 2, Sheep: 2, Goat: 2

Pongola, Pongola Animal Clinic

Beef: 1, Sheep: 1, Goat: 1

Eastern Cape**Humansdorp, Humansdorp Veterinary Clinic**

Beef: 1

Western Cape**Riversdale, Riversdal Dierekliniek**

Beef: 2, Dairy: 2, Sheep: 2

Brown ear-ticks

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.7 (6)	3.0 (1)	2.5 (2)		1.8 (4)	2.6 (7)			

Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef	1.6 (5)	3.0 (1)	2.5 (2)		1.8 (4)	2.7 (6)			
Dairy	2.0 (1)								
Sheep						2.0 (1)			

Mpumalanga**Balfour, Balfour Dierekliniek**

Beef: 1

Ermelo, Môregloed Veterinêre Spreekkamer

Dairy: 2

Middelburg, Middelburg Dierehospitaal

Beef: 1

Piet Retief, Pets Vet Hospital

Beef: 3

Standerton, Econovet

Beef: 2

Volksrust, Cape Cross Volksrust Dierehospitaal

Beef: 1

Gauteng
Bronkhorstspuit, Kerkstraat Dierekliniek
Beef: 3
Limpopo
Mokopane, Potgietersrus Dierekliniek
Beef: 2
Polokwane, Pietersburg Veterinary Clinic
Beef: 3
Free State
Memel, Memel Veterinary Clinic
Beef: 1
Parys, Parys Dierehospitaal
Beef: 3
Reitz, Riemland Dierehospitaal
Beef: 1
Villiers, Wilgepoort Dierekliniek Vennootskap
Beef: 2
Kwazulu-Natal
Dundee, Endumeni Herd health
Beef: 3, Sheep: 2
Estcourt, Estcourt Vet Clinic
Beef: 3
Mtubatuba, Mtubatuba Animal Clinic
Beef: 2
Newcastle, Ncanduvet Newcastle
Beef: 3
Pietermaritzburg, Richmond Veterinary Clinic
Beef: 2
Vryheid, Vryheid Privaat Veeartse
Beef: 3
Ear abscesses

Bont-legged ticks									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (2)	2.0 (2)	2.3 (3)	3.0 (4)	2.7 (15)	1.0 (2)			2.5 (2)
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef	2.0 (2)	2.0 (1)	2.0 (2)	3.0 (4)	2.6 (9)	1.0 (1)			2.0 (1)
Dairy					3.0 (1)				
Sheep			3.0 (1)		3.0 (4)				3.0 (1)
Goat		2.0 (1)			3.0 (1)	1.0 (1)			

Mpumalanga
Balfour, Balfour Dierekliniek
Beef: 1
Middelburg , Middelburg Dierehospitaal
Beef: 3
Gauteng

Bronkhorstspuit, Kerkstraat Dierekliniek

Beef: 2

Hammanskraal, Themba Animal Clinic

Goat: 2

Limpopo**Mokopane, Potgietersrus Dierekliniek**

Beef: 1

Polokwane, Pietersburg Veterinary Clinic

Beef: 3, Sheep: 3

North West**Christiana, Christiana Dierehospitaal**

Beef: 3

Leeudoringstad, Leeudoringstad Dierekliniek

Beef: 3

Lichtenburg, Dr CM Kruger-Rall

Beef: 3

Stella, Stella Dierekliniek

Beef: 3

Free State**Bloemfontein, Dr Stephan Wessels**

Beef: 3, Sheep: 3

Clocolan, Clocolan Dierekliniek

Beef: 2

Frankfort, Frankfort Dierekliniek

Beef: 3

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 3, Dairy: 3, Sheep: 3, Goat: 3

Memel, Memel Veterinary Clinic

Beef: 2

Philippolis, Rowelsfontein veearts Spreekkamer

Sheep: 3

Senekal, Senekal Dierekliniek

Beef: 2

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2

Winburg, Winburg Dierekliniek

Beef: 3

Kwazulu-Natal**Pongola, Pongola Animal Clinic**

Beef: 1, Goat: 1

Northern Cape**De Aar, De Aar Veterinary Clinic**

Sheep: 3

Many ticks after rain

Kathu, Kathu Dierekliniek

Beef: 2

Red-legged ticks

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (3)		1.0 (1)	3.0 (2)	2.5 (11)	2.0 (1)			2.0 (1)

Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef	1.0 (1)	1.0 (1)	3.0 (2)	2.4 (5)	2.0 (1)	2.0 (1)
Dairy				3.0 (1)		
Sheep	1.0 (1)			2.3 (4)		
Goat	1.0 (1)			3.0 (1)		

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1, Sheep: 1, Goat: 1

Limpopo

Mokopane, Potgietersrus Dierekliniek

Beef: 1

North West

Christiana, Christiana Dierehospitaal

Beef: 3

Stella, Stella Dierekliniek

Beef: 3

Free State

Clocolan, Clocolan Dierekliniek

Beef: 2

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 3, Dairy: 3, Sheep: 3, Goat: 3

Memel, Memel Veterinary Clinic

Beef: 2, Sheep: 2

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2

Wesselsbron, Wesselsbron Dierekliniek

Sheep: 1

Kwazulu-Natal

Pietermaritzburg, Richmond Veterinary Clinic

Beef: 2

Northern Cape

Postmasburg, Postmasburg Dierekliniek

Beef: 2

Paralysis ticks

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)				2.0 (1)				

Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Sheep	1.0 (1)				2.0 (1)				
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Mpumalanga

Balfour, Balfour Dierekliniek

Sheep: 1

Free State

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 2

Biting lice (red lice)									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (1)				1.5 (2)		1.0 (1)		3.0 (1)

Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Sheep	2.0 (1)				2.0 (1)				
Goat					1.0 (1)		1.0 (1)		3.0 (1)

Mpumalanga

Standerton, Econovet

Sheep: 2

Free State

Ladybrand, Ladybrand

Goat: 1

Memel, Memel Veterinary Clinic

Sheep: 2

Eastern Cape

Graaff-Reinet, Camdeboo Veterinary Clinic

Goat: 1

Northern Cape

Kathu, Kathu Diereklíníek

Goat: 3

Sucking lice (blue lice)									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average					1.0 (1)		1.0 (1)		

Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef					1.0 (1)				
Goat							1.0 (1)		

Free State

Ladybrand, Ladybrand

Beef: 1

Eastern Cape

Graaff-Reinet, Camdeboo Veterinary Clinic

Goat: 1

Scab mites									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape

Mpumalanga
Balfour, Balfour Dierekliniek

Beef: 2, Sheep: 2, Goat: 2

North West

Stella, Stella Dierekliniek

Beef: 3

Free State

Kroonstad, Kroonstad Dierehospitaal

Dairy: 3

Kwazulu-Natal

Dundee, Endumeni Herd health

Beef: 3, Dairy: 3

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2

Vryheid, Vryheid Privaat Veeartse

Beef: 3

Western Cape

George, George Animal Hospital

Dairy: 3

Heidelberg (WC), Heidelberg Dierekliniek

Dairy: 2

Malmesbury, Dr Otto Kriek

Dairy: 3

Malmesbury, Malmesbury Dierehospitaal

Beef: 3, Dairy: 3

Oudtshoorn, Oudtshoorn Dierekliniek

Beef: 1, Sheep: 1

Stellenbosch, Stellenbosch Animal Hospital

Beef: 1, Dairy: 1

Swellendam, Swellendam Dierehospitaal

Dairy: 3

Blowflies

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)		1.5 (2)		3.0 (2)		1.3 (3)	2.0 (2)	

Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef			1.0 (1)		3.0 (2)		2.0 (1)		
Sheep	1.0 (1)		2.0 (1)				1.0 (1)	2.0 (2)	
Goat							1.0 (1)		

Mpumalanga

Balfour, Balfour Dierekliniek

Sheep: 1

Limpopo

Mokopane, Potgietersrus Dierekliniek

Beef: 1

Polokwane, Pietersburg Veterinary Clinic

Sheep: 2

Free State

Bloemfontein, Dr Stephan Wessels

Beef: 3

Winburg, Winburg Dierekliniek

Beef: 3

Eastern Cape**Aliwal North, Hertzogbrug Dierekliniek**

Beef: 2

Graaff-Reinet, Camdeboo Veterinary Clinic

Sheep: 1, Goat: 1

Western Cape**Heidelberg (WC), Heidelberg Dierekliniek**

Sheep: 2

Riversdale, Riversdal Dierekliniek

Sheep: 2

Screw-worm

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average		2.0 (1)	1.0 (2)				2.0 (1)		

Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef		2.0 (1)	1.0 (1)				2.0 (1)		
Sheep			1.0 (1)						

Gauteng**Bronkhorstspuit, Kerkstraat Dierekliniek**

Beef: 2

Limpopo**Mokopane, Potgietersrus Dierekliniek**

Beef: 1

Polokwane, Pietersburg Veterinary Clinic

Sheep: 1

Eastern Cape**Port Alfred, Port Alfred Veterinary Clinic**

Beef: 2

Three cows (Martindale); 1 cow (Kap River); 1 bull (Langholm); 1 cow (Shaw Park); 1 calf (Bathurst)

Nasal bot larvae

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (1)	2.0 (1)			2.0 (6)	3.0 (1)			

Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Sheep		2.0 (1)			2.0 (6)	3.0 (1)			
Goat	2.0 (1)								

Mpumalanga**Ermelo, Môregloed Veterinêre Spreekkamer**

Goat: 2

Gauteng**Bronkhorstspuit, Kerkstraat Dierekliniek**

Sheep: 2

Free State**Clocolan, Clocolan Dierekliniek**

Sheep: 2

Ficksburg, Oosvrystaat Diere Produkte

Sheep: 2

Kroonstad, Kroonstad Dierehospitaal

Sheep: 2

Ladybrand, Ladybrand

Sheep: 3

Reitz, Riemland Dierehospitaal

Sheep: 2

Wesselsbron, Wesselsbron Dierekliniek

Sheep: 1

Kwazulu-Natal

Dundee, Endumeni Herd health

Sheep: 3

Midges



PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)				3.0 (4)	2.0 (1)		2.0 (1)	

Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef	1.0 (1)				3.0 (2)	2.0 (1)			
Dairy								2.0 (1)	
Sheep					3.0 (1)				
Goat					3.0 (1)				

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1

Free State

Parys, Parys Dierehospitaal

Beef: 3, Sheep: 3, Goat: 3

Winburg, Winburg Dierekliniek

Beef: 3

Kwazulu-Natal

Pietermaritzburg, Richmond Veterinary Clinic

Beef: 2

Western Cape

Heidelberg (WC), Heidelberg Dierekliniek

Dairy: 2

Other



PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average		3.0 (2)							

Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Sheep	3.0 (1)
Goat	3.0 (1)

Gauteng
Hammanskraal, Themba Animal Clinic
 Sheep: 3, Goat: 3

Tick-borne Diseases

African red water [^](#)

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (6)	2.0 (2)	2.0 (2)	2.0 (1)	2.5 (4)	1.9 (12)	2.0 (3)	2.2 (5)	

Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef	2.0 (5)	2.0 (2)	2.0 (2)	2.0 (1)	2.5 (4)	1.8 (9)	2.0 (1)	1.5 (2)	
Dairy	2.0 (1)					2.3 (3)	2.0 (2)	2.7 (3)	

Mpumalanga
Bethal, Bethal Dierekliniek
 Beef: 1
Ermelo, Môregloed Veterinêre Spreekkamer
 Dairy: 2
Middelburg , Middelburg Dierehospitaal
 Beef: 3
Piet Retief, Pets Vet Hospital
 Beef: 1
Standerton, Econovet
 Beef: 2
Volkswest, Cape Cross Volkswest Dierehospitaal
 Beef: 3

Gauteng
Magaliesburg, Magaliesburg; Dr Ryan Jeffrey
 Beef: 2
Muldersdrift, Muldersdrift Animal Hospital
 Beef: 2

Limpopo
Makhado, Blouberg Dierekliniek
 Beef: 2
 6 cases
Polokwane, Pietersburg Veterinary Clinic
 Beef: 2

North West
Ventersdorp, Ventersdorp Dierekliniek
 Beef: 2

Free State
Frankfort, Frankfort Dierekliniek
 Beef: 3
Kroonstad, Kroonstad Dierehospitaal
 Beef: 2
Villiers, Wilgepoort Dierekliniek Vennootskap
 Beef: 2
Winburg, Winburg Dierekliniek
 Beef: 3

Kwazulu-Natal**Bergville, Bergville Veterinary Clinic**

Beef: 2

Dundee, Endumeni Herd health

Beef: 2, Dairy: 2

Estcourt, Estcourt Vet Clinic

Dairy: 2

Howick, Howick Veterinary Clinic

Beef: 3, Dairy: 3

Kokstad, E.G.Veterinary Services

Beef: 2

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2

Newcastle, Ncanduvet Newcastle

Beef: 1

Pietermaritzburg, Richmond Veterinary Clinic

Beef: 2

Pongola, Pongola Animal Clinic

Beef: 1

Vryheid, Vryheid Privaat Veeartse

Beef: 1

Eastern Cape**Humansdorp, Humansdorp Veterinary Clinic**

Dairy: 1

Jeffreys Bay, Cape Cross Veterinary Hospital

Dairy: 3

Queenstown, Queenstown Veterinary clinic

Beef: 2

Western Cape**George, George Animal Hospital**

Dairy: 3

Heidelberg (WC), Heidelberg Dierekliniek

Dairy: 3

Oudtshoorn, Oudtshoorn Dierekliniek

Beef: 1

Riversdale, Riversdal Dierekliniek

Beef: 2, Dairy: 2

Asiatic red water

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.2 (5)	2.0 (1)	2.0 (3)	2.0 (1)	2.3 (7)	2.0 (6)	2.0 (6)	2.0 (3)	

Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef	2.2 (5)	2.0 (1)	2.0 (3)	2.0 (1)	2.3 (7)	2.0 (6)	1.8 (5)	1.0 (1)	
Dairy							3.0 (1)	2.5 (2)	

Mpumalanga**Balfour, Balfour Dierekliniek**

Beef: 2

Bethal, Bethal Dierekliniek

Beef: 2

Middelburg , Middelburg Dierehospitaal

Beef: 3

Standerton, Econovet

Beef: 2

Volksrust, Cape Cross Volksrust Dierehospitaal

Beef: 2

Gauteng**Bronkhorstspuit, Kerkstraat Dierekliniek**

Beef: 2

Limpopo**Makhado, Blouberg Dierekliniek**

Beef: 2

3 cases

Mokopane, Potgietersrus Dierekliniek

Beef: 2

Polokwane, Pietersburg Veterinary Clinic

Beef: 2

North West**Brits, Brits Dierekliniek**

Beef: 2

Free State**Clocolan, Clocolan Dierekliniek**

Beef: 2

Frankfort, Frankfort Dierekliniek

Beef: 3

Memel, Memel Veterinary Clinic

Beef: 2

Reitz, Riemland Dierehospitaal

Beef: 1

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2

Vrede, Vrede Dierehospitaal

Beef: 3

Winburg, Winburg Dierekliniek

Beef: 3

Kwazulu-Natal**Bergville, Bergville Veterinary Clinic**

Beef: 2

Bergville, Tugela Vet Clinic

Beef: 2

Dundee, Endumeni Herd health

Beef: 3

Kokstad, E.G.Veterinary Services

Beef: 2

Pietermaritzburg, Richmond Veterinary Clinic

Beef: 2

Vryheid, Vryheid Privaat Veeartse

Beef: 1

Eastern Cape**Humansdorp, Humansdorp Veterinary Clinic**

Dairy: 3

Deaths reported by farmers (20 dairy cattle, mainly cows) died of Asiatic red water.

Kareedouw, Tenax Vet Clinic

Beef: 2

Port Alfred, Port Alfred Veterinary Clinic

Beef: 3

Five adult cows (Kleinemonde); 3 adult cows (Port Alfred); 8 cows and young calves (Southwell)

Queenstown, Queenstown Veterinary clinic

Beef: 1

Stutterheim, Stutterheim Veterinary Clinic

Beef: 2

Uitenhage, Uitenhage Dierehospitaal

Beef: 1

Western Cape

George, George Animal Hospital

Dairy: 3

Oudtshoorn, Oudtshoorn Dierekliniek

Beef: 1

Swellendam, Swellendam Dierehospitaal

Dairy: 2

Anaplasmosis



PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.4 (5)	1.7 (3)		2.5 (4)	2.2 (9)	2.0 (4)	2.3 (3)	2.0 (8)	

Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef	1.5 (4)	1.5 (2)		2.5 (4)	2.2 (9)	2.0 (2)	2.0 (2)	2.0 (1)	
Dairy	1.0 (1)	2.0 (1)				2.0 (2)	3.0 (1)	2.0 (7)	

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1

Ermelo, Môregloed Veterinêre Spreekkamer

Dairy: 1

Middelburg , Middelburg Dierehospitaal

Beef: 1

Piet Retief, Pets Vet Hospital

Beef: 3

Volksrust, Cape Cross Volksrust Dierehospitaal

Beef: 1

Gauteng

Bronkhorstspuit, Kerkstraat Dierekliniek

Dairy: 2

Magaliesburg, Magaliesburg; Dr Ryan Jeffrey

Beef: 2

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 1

North West

Brits, Brits Dierekliniek

Beef: 2

Christiana, Christiana Dierehospitaal

Beef: 3

Leeudoringstad, Leeudoringstad Dierekliniek

Beef: 3

Outbreak in 25 Charolais cattle a few died. Animals were brought in from Piet Plessis

Ventersdorp, Ventersdorp Dierekliniek

Beef: 2

Free State

Bloemfontein, Dr Stephan Wessels

Beef: 2

Frankfort, Frankfort Dierekliniek

Beef: 2

Hoopstad, Hoopstad Dierekliniek

Beef: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 3
Parys, Parys Dierehospitaal
Beef: 2
Reitz, Riemland Dierehospitaal
Beef: 2
Villiers, Wilgepoort Direkliniek Vennootskap
Beef: 2
Wesselsbron, Wesselsbron Direkliniek
Beef: 1
Winburg, Winburg Direkliniek
Beef: 3
Kwazulu-Natal
Bergville, Tugela Vet Clinic
Beef: 2
Dundee, Endumeni Herd health
Dairy: 2
Howick, Howick Veterinary Clinic
Dairy: 2
Vryheid, Vryheid Privaat Veeartse
Beef: 2
Eastern Cape
Graaff-Reinet, Graaff Reinet Veterinary Clinic
Beef: 2
Jeffreys Bay, Cape Cross Veterinary Hospital
Dairy: 3
Queenstown, Queenstown Veterinary clinic
Beef: 2
Western Cape
Darling, Tygerberg Dierehospitaal Darling
Dairy: 2
George, George Animal Hospital
Dairy: 2
Heidelberg (WC), Heidelberg Direkliniek
Dairy: 2
Malmesbury, Invitrotech
Dairy: 2
Malmesbury, Malmesbury Dierehospitaal
Dairy: 2
Riversdale, Riversdal Direkliniek
Beef: 2, Dairy: 2
Swellendam, Swellendam Dierehospitaal
Dairy: 2

Heartwater									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	3.0 (2)	2.0 (4)	2.0 (8)		2.0 (1)	1.7 (14)	1.2 (5)		
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef	3.0 (1)	2.0 (3)	2.3 (3)		2.0 (1)	1.7 (6)	1.0 (1)		
Dairy						2.0 (1)			
Sheep		2.0 (1)	1.7 (3)			1.8 (4)	1.5 (2)		

Goat	3.0 (1)	2.0 (2)	1.7 (3)	1.0 (2)
Mpumalanga				
Middelburg , Middelburg Dierehospitaal				
Beef: 3, Goat: 3				
Gauteng				
Bronkhorstspuit, Kerkstraat Dierekliniek				
Beef: 2				
Hammanskraal, Themba Animal Clinic				
Beef: 2				
Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic				
Beef: 2, Sheep: 2				
Limpopo				
Makhado, Blouberg Dierekliniek				
Beef: 3				
12 cases				
Modimolle, Kranskop Dierekliniek				
Sheep: 1				
Mokopane, Potgietersrus Dierekliniek				
Beef: 1, Sheep: 1, Goat: 1				
Polokwane, Pietersburg Veterinary Clinic				
Beef: 3, Sheep: 3, Goat: 3				
Free State				
Ficksburg, Oosvrystaat Diere Produkte				
Beef: 2				
Kwazulu-Natal				
Bergville, Tugela Vet Clinic				
Beef: 2, Sheep: 2				
Camperdown, Camperdown Vet Clinic				
Beef: 2				
Dundee, Endumeni Herd health				
Beef: 2				
Estcourt, Estcourt Vet Clinic				
Beef: 1, Dairy: 2				
Mtubatuba, Mtubatuba Animal Clinic				
Beef: 2, Goat: 2				
Pietermaritzburg, Richmond Veterinary Clinic				
Sheep: 2				
Pongola, Pongola Animal Clinic				
Beef: 1				
Odd strain of heartwater?				
Sheep: 1, Goat: 1				
Vryheid, Vryheid Privaat Veeartse				
Sheep: 2, Goat: 2				
Eastern Cape				
Bathurst, Dr Jane Pistorius				
Goat: 1				
Humansdorp, Humansdorp Veterinary Clinic				
Beef: 1				
Port Alfred, Port Alfred Veterinary Clinic				
Sheep: 2				
One case (Port Alfred); One case (Peddie)				
Goat: 1				
One case (Martindale)				
Uitenhage, Uitenhage Dierehospitaal				
Sheep: 1				
Sweating Sickness				^

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	3.0 (1)		1.5 (2)	3.0 (3)	2.0 (4)				

Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef	3.0 (1)		1.5 (2)	3.0 (3)	2.0 (4)				
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Mpumalanga

Middelburg , Middelburg Dierehospitaal

Beef: 3

Limpopo

Makhado, Blouberg Direkliniek

Beef: 2

7 cases

Mokopane, Potgietersrus Direkliniek

Beef: 1

North West

Christiana, Christiana Dierehospitaal

Beef: 3

Leeudoringstad, Leeudoringstad Direkliniek

Beef: 3

Stella, Stella Direkliniek

Beef: 3

Free State

Bloemfontein, Dr Stephan Wessels

Beef: 1

Hoopstad, Hoopstad Direkliniek

Beef: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 3

Wesselsbron, Wesselsbron Direkliniek

Beef: 1

Insect Transmittable Diseases

Lumpy skin disease



PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.4 (5)	1.7 (3)	2.0 (4)	3.0 (2)	2.1 (9)	2.3 (12)	1.0 (1)		3.0 (1)

Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef	2.3 (4)	1.7 (3)	2.0 (4)	3.0 (2)	2.1 (9)	2.3 (11)	1.0 (1)		3.0 (1)
Dairy	3.0 (1)					2.0 (1)			

Mpumalanga

Ermelo, Môregloed Veterinêre Spreekkamer

Dairy: 3

Malelane, Malelane Direkliniek

Beef: 2

Middelburg , Middelburg Dierehospitaal

Beef: 3

Piet Retief, Pets Vet Hospital

Beef: 3

Volksrust, Cape Cross Volksrust Dierehospitaal

Beef: 1

Gauteng

Bronkhorstspuit, Kerkstraat Dierekliniek

Beef: 1

Hammanskraal, Themba Animal Clinic

Beef: 2

Magaliesburg, Magaliesburg; Dr Ryan Jeffrey

Beef: 2

Limpopo

Makhado, Blouberg Dierekliniek

Beef: 2

4 cases

Modimolle, Kranskop Dierekliniek

Beef: 2

Three cattle died, confirmed on histology; outbreak on another farm reported by farmer.

Mokopane, Potgietersrus Dierekliniek

Beef: 3

Polokwane, Pietersburg Veterinary Clinic

Beef: 1

North West

Christiana, Christiana Dierehospitaal

Beef: 3

Leeudoringstad, Leeudoringstad Dierekliniek

Beef: 3

Free State

Clocolan, Clocolan Dierekliniek

Beef: 2

Ficksburg, Oosvrystaat Diere Produkte

Beef: 2

Hoopstad, Hoopstad Dierekliniek

Beef: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 2

Parys, Parys Dierehospitaal

Beef: 2

Reitz, Froneman Veterinary Practice

Beef: 2

Reitz, Riemland Dierehospitaal

Beef: 2

Vrede, Vrede Dierehospitaal

Beef: 2

Winburg, Winburg Dierekliniek

Beef: 2

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Bergville, Tugela Vet Clinic

Beef: 2

Camperdown, Camperdown Vet Clinic

Beef: 2

Dundee, Endumeni Herd health

Beef: 3

Estcourt, Estcourt Vet Clinic

Beef: 3

Howick, Howick Veterinary Clinic

Beef: 2, Dairy: 2

Kokstad, E.G.Veterinary Services

Beef: 3

Newcastle, Ncanduvet Newcastle

Beef: 1

Pietermaritzburg, Richmond Veterinary Clinic

Beef: 2

Pongola, Pongola Animal Clinic

Beef: 3

Wide spread

Vryheid, Vryheid Privaat Veeartse

Beef: 2

Eastern Cape**Graaff-Reinet, Graaff Reinet Veterinary Clinic**

Beef: 1

Northern Cape**Kimberley, Kimberley Dierekliniek**

Beef: 3

Three-day-stiffsickness

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.5 (2)	2.0 (1)	1.3 (3)	2.5 (2)	1.7 (3)	1.3 (3)		1.0 (1)	3.0 (1)

Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef	2.5 (2)	2.0 (1)	1.3 (3)	2.5 (2)	1.7 (3)	1.3 (3)			3.0 (1)
Dairy								1.0 (1)	

Mpumalanga**Middelburg , Middelburg Dierehospitaal**

Beef: 2

Piet Retief, Pets Vet Hospital

Beef: 3

Gauteng**Bronkhorstspuit, Kerkstraat Dierekliniek**

Beef: 2

Limpopo**Makhado, Blouberg Dierekliniek**

Beef: 2

2 cases

Mokopane, Potgietersrus Dierekliniek

Beef: 1

Polokwane, Pietersburg Veterinary Clinic

Beef: 1

North West**Christiana, Christiana Dierehospitaal**

Beef: 2

Leeudoringstad, Leeudoringstad Dierekliniek

Beef: 3

Free State**Bloemfontein, Dr Stephan Wessels**

Beef: 1

Ficksburg, Oosvrystaat Diere Produkte

Beef: 2									
Kroonstad, Kroonstad Dierehospitaal									
Beef: 2									
Kwazulu-Natal									
Bergville, Tugela Vet Clinic									
Beef: 1									
Newcastle, Ncanduvet Newcastle									
Beef: 1									
Pongola, Pongola Animal Clinic									
Beef: 2									
Western Cape									
Heidelberg (WC), Heidelberg Dierekliniek									
Dairy: 1									
Northern Cape									
Kimberley, Kimberley Dierekliniek									
Beef: 3									
Blue tongue									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average		1.0 (1)		1.0 (1)		2.0 (1)		1.8 (4)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef									
Sheep									
Gauteng									
Bronkhorstspuit, Kerkstraat Dierekliniek									
Sheep: 1									
North West									
Leeudoringstad, Leeudoringstad Dierekliniek									
Sheep: 1									
One animal died									
Kwazulu-Natal									
Kokstad, E.G.Veterinary Services									
Beef: 2									
Western Cape									
Caledon, Overberg Veterinary Hospital									
Sheep: 2									
Ceres, Ceres Veterinary Hospital									
Sheep: 2									
Heidelberg (WC), Heidelberg Dierekliniek									
Sheep: 2									
Stellenbosch, Stellenbosch Animal Hospital									
Sheep: 1									
Venereal Diseases									
Trichomonosis									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape

Average	1.0 (1)		2.0 (1)	2.5 (2)	2.2 (11)	2.5 (2)	1.0 (1)
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Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef	1.0 (1)		2.0 (1)	2.5 (2)	2.2 (10)	2.5 (2)	1.0 (1)
Dairy					2.0 (1)		

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1

Trichomonosis - new farm, 2 out of 4 bulls tested, positive

Limpopo

Modimolle, Kranskop Dierekliniek

Beef: 2

Four bulls tested positive on same farm

North West

Leeudoringstad, Leeudoringstad Dierekliniek

Beef: 2

Six out of 9 bulls tested. Second test one out of 3 tested posted.

Stella, Stella Dierekliniek

Beef: 3

New farm

Free State

Bloemfontein, Dr Stephan Wessels

Beef: 2

New farm, 2 bulls positive in Bloemfontein area

Clocolan, Clocolan Dierekliniek

Beef: 1

Frankfort, Frankfort Dierekliniek

Beef: 3

Hoopstad, Hoopstad Dierekliniek

Beef: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 2

Ladybrand, Ladybrand

Beef: 2

Parys, Parys Dierehospitaal

Beef: 2

Cross fence infection, neighbour does not control trichomonosis

Reitz, Riemland Dierehospitaal

Beef: 2

Senekal, Senekal Dierekliniek

Dairy: 2

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 3

Winburg, Winburg Dierekliniek

Beef: 2

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Estcourt, Estcourt Vet Clinic

Beef: 3

Eastern Cape

Aliwal North, Hertzogbrug Dierekliniek

Beef: 1

Vibriosis									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average		1.0 (1)	2.0 (1)	1.7 (3)	2.0 (3)	2.0 (1)			
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef		1.0 (1)	2.0 (1)	1.7 (3)	2.0 (3)	2.0 (1)			
Gauteng									
Bronkhorstspruit, Kerkstraat Dierekliniek									
Beef: 1									
Limpopo									
Makhado, Blouberg Dierekliniek									
Beef: 2									
2 cases									
North West									
Leeudoringstad, Leeudoringstad Dierekliniek									
Beef: 1									
Stella, Stella Dierekliniek									
Beef: 3									
Ventersdorp, Ventersdorp Dierekliniek									
Beef: 1									
Free State									
Clocolan, Clocolan Dierekliniek									
Beef: 1									
Senekal, Senekal Dierekliniek									
Beef: 2									
Winburg, Winburg Dierekliniek									
Beef: 3									
Kwazulu-Natal									
Estcourt, Estcourt Vet Clinic									
Beef: 2									
Pizzle disease									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average							1.0 (1)		
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Sheep							1.0 (1)		
Eastern Cape									
Graaff-Reinet, Graaff Reinet Veterinary Clinic									
Sheep: 1									
Bacterial Disease (other)									
Blackquarter									^

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.8 (4)	2.0 (1)	1.0 (1)		1.8 (4)	1.7 (3)		1.0 (1)	

Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef	2.0 (3)	2.0 (1)	1.0 (1)		1.8 (4)	1.7 (3)			
Dairy	1.0 (1)							1.0 (1)	

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 2

Bethal, Bethal Dierekliniek

Dairy: 1

Middelburg , Middelburg Dierehospitaal

Beef: 2

Volksrust, Cape Cross Volksrust Dierehospitaal

Beef: 2

Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 2

Limpopo

Polokwane, Pietersburg Veterinary Clinic

Beef: 1

Free State

Frankfort, Frankfort Dierekliniek

Beef: 2

Ladybrand, Ladybrand

Beef: 1

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2

Winburg, Winburg Dierekliniek

Beef: 2

Kwazulu-Natal

Bergville, Tugela Vet Clinic

Beef: 2

Dundee, Endumeni Herd health

Beef: 1

Vryheid, Vryheid Privaat Veeartse

Beef: 2

Western Cape

Stellenbosch, Stellenbosch Animal Hospital

Dairy: 1

Botulism



PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average			2.0 (1)		2.5 (2)				2.0 (3)

Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef	2.0 (1)	3.0 (1)	1.0 (1)
Dairy		2.0 (1)	
Sheep			2.5 (2)

Limpopo

Vaalwater, Vaalwater Dieresprekkamer

Beef: 2

Free State

Clocolan, Clocolan Dierekliniek

Dairy: 2

Frankfort, Frankfort Dierekliniek

Beef: 3

Northern Cape

Calvinia, Calvinia Veeartskliniek

Sheep: 3

Postmasburg, Postmasburg Dierekliniek

Beef: 1, Sheep: 2

Pulpy Kidney [^](#)

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)	1.0 (2)	1.0 (1)		2.5 (6)	1.0 (1)	1.0 (1)	2.0 (2)	

Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Sheep	1.0 (1)	1.0 (2)	1.0 (1)		2.5 (6)	1.0 (1)		2.0 (2)	
Goat							1.0 (1)		

Mpumalanga

Middelburg , Middelburg Dierehospitaal

Sheep: 1

Gauteng

Bronkhorstspuit, Kerkstraat Dierekliniek

Sheep: 1

Hammanskraal, Themba Animal Clinic

Sheep: 1

Limpopo

Polokwane, Pietersburg Veterinary Clinic

Sheep: 1

Free State

Bloemfontein, Dr Stephan Wessels

Sheep: 3

Ficksburg, Oosvrystaat Diere Produkte

Sheep: 2

Frankfort, Frankfort Dierekliniek

Sheep: 3

Reitz, Froneman Veterinary Practice

Sheep: 3

Reitz, Riemland Dierehospitaal

Sheep: 2

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 2

Free State									
Villiers, Wilgepoort Dierekliniek Vennootskap									
Sheep: 1									
Kwazulu-Natal									
Newcastle, Ncanduvet Newcastle									
Beef: 2									
Eastern Cape									
Queenstown, Queenstown Veterinary clinic									
Beef: 1									
Red gut (cattle)									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)	1.0 (1)				2.0 (1)			
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef	1.0 (1)	1.0 (1)							
Dairy						2.0 (1)			
Mpumalanga									
Balfour, Balfour Dierekliniek									
Beef: 1									
Gauteng									
Hammanskraal, Themba Animal Clinic									
Beef: 1									
Kwazulu-Natal									
Estcourt, Estcourt Vet Clinic									
Dairy: 2									
Blood gut (Sheep)									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (1)			1.0 (1)				2.0 (1)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Sheep	2.0 (1)			1.0 (1)				2.0 (1)	
Mpumalanga									
Middelburg , Middelburg Dierehospitaal									
Sheep: 2									
North West									
Christiana, Christiana Dierehospitaal									
Sheep: 1									
Western Cape									
Malmesbury, Malmesbury Dierehospitaal									
Sheep: 2									
Tetanus									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North	Free	Kwazulu-	Eastern	Western	Northern

				West	State	Natal	Cape	Cape	Cape
Average		1.0 (1)			2.0 (1)				

Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Sheep		1.0 (1)			2.0 (1)				
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Gauteng

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Sheep: 1

Free State

Bloemfontein, Dr Stephan Wessels

Sheep: 2

Salmonellosis

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average						2.0 (1)	1.0 (1)		

Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Dairy						2.0 (1)	1.0 (1)		
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Kwazulu-Natal

Howick, Howick Veterinary Clinic

Dairy: 2

Eastern Cape

Humansdorp, Humansdorp Veterinary Clinic

Dairy: 1

Brucella abortus

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)		1.5 (2)	3.0 (1)	2.6 (7)				

Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef	1.0 (1)		1.5 (2)	3.0 (1)	2.6 (7)				
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Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1

Limpopo

Mokopane, Potgietersrus Dierekliniek

Beef: 1

Polokwane, Pietersburg Veterinary Clinic

Beef: 2

North West

Lichtenburg, Dr CM Kruger-Rall

Beef: 3

About 50 positive cases

Free State

Bloemfontein, Dr Stephan Wessels

Beef: 3

30% positive in new beef herd, Jagersfontein area.

Clocolan, Clocolan Dierekliniek

Beef: 2

Frankfort, Frankfort Dierekliniek

Beef: 3

Hoopstad, Hoopstad Dierekliniek

Beef: 3

Ladybrand, Ladybrand

Beef: 3

Wesselsbron, Wesselsbron Dierekliniek

Beef: 1

Winburg, Winburg Dierekliniek

Beef: 3

Brucella ovis



PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average		3.0 (1)			2.0 (3)				

Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Sheep		3.0 (1)			2.0 (3)				
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Gauteng

Pretoria, Anima Veterinary Consulting Rooms

Sheep: 3

Poor conception due to *B. ovis*

Free State

Frankfort, Frankfort Dierekliniek

Sheep: 3

Senekal, Senekal Dierekliniek

Sheep: 2

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 1

Johne`s disease



PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average								1.0 (2)	

Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Sheep								1.0 (2)	
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Western Cape

Caledon, Overberg Veterinary Hospital

Sheep: 1

Darling, Tygerberg Dierehospitaal Darling

Sheep: 1

Septicaemia									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average				1.0 (1)		3.0 (1)		2.0 (1)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef						3.0 (1)			
Dairy								2.0 (1)	
Sheep				1.0 (1)					

North West

Klerksdorp, Buffeldoorn Dierehospitaal

Sheep: 1

Sheep died of clostridial septicaemia - looked like anthrax. On bloodsmear anthrax negative.

Kwazulu-Natal

Dundee, Endumeni Herd health

Beef: 3

Western Cape

Riversdale, Riversdal Dierekliniek

Dairy: 2

E. coli									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.5 (8)	1.5 (2)	2.0 (1)	1.7 (3)	2.8 (16)	2.5 (2)	2.0 (1)		1.0 (1)
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef	2.5 (4)	1.0 (1)	2.0 (1)	1.5 (2)	2.9 (7)				
Dairy					2.5 (2)	3.0 (1)			
Sheep	2.3 (3)			2.0 (1)	2.7 (7)	2.0 (1)	2.0 (1)		
Goat	3.0 (1)	2.0 (1)							1.0 (1)

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 3

Ermelo, Môregloed Veterinêre Spreekkamer

Goat: 3

Middelburg, Middelburg Dierehospitaal

Beef: 3, Sheep: 3

Standerton, Econovet

Beef: 2, Sheep: 2

Volksrust, Cape Cross Volksrust Dierehospitaal

Gauteng									
Bronkhorstspuit, Kerkstraat Dierekliniek									
Sheep: 1									
Western Cape									
Heidelberg (WC), Heidelberg Dierekliniek									
Sheep: 1									
<i>Fusibacterium necrophorum</i>									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average		2.0 (1)			2.0 (1)	2.0 (1)			
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef		2.0 (1)							
Dairy					2.0 (1)	2.0 (1)			
Gauteng									
Hammanskraal, Themba Animal Clinic									
Beef: 2									
Free State									
Senekal, Senekal Dierekliniek									
Dairy: 2									
Kwazulu-Natal									
Howick, Howick Veterinary Clinic									
Dairy: 2									
Other									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)					1.0 (1)			
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef						1.0 (1)			
Dairy	1.0 (1)								
Mpumalanga									
Bethal, Bethal Dierekliniek									
Dairy: 1									
nephritis									
Kwazulu-Natal									
Camperdown, Camperdown Vet Clinic									
Beef: 1									
<i>Balantidium coli</i> diarrhoea in a cow previously treated with metromidazole, on pastures irrigated with pig manure									
Protozoal diseases (other)									
Besnoitiosis									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape

Average		2.0 (1)	1.0 (1)
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Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef		2.0 (1)	1.0 (1)
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Limpopo

Mokopane, Potgietersrus Dierekliniek

Beef: 2

North West

Brits, Brits Dierekliniek

Beef: 1

Coccidiosis



PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	3.0 (2)	1.5 (2)	1.5 (2)		2.6 (5)	2.0 (1)	2.0 (4)	2.0 (2)	

Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef	3.0 (1)	2.0 (1)			2.0 (1)				
Dairy							2.0 (1)	2.0 (2)	
Sheep	3.0 (1)	1.0 (1)	1.5 (2)		2.8 (4)	2.0 (1)			
Goat							2.0 (3)		

Mpumalanga

Middelburg , Middelburg Dierehospitaal

Beef: 3, Sheep: 3

Gauteng

Bronkhorstspuit, Kerkstraat Dierekliniek

Beef: 2

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Sheep: 1

Limpopo

Makhado, Blouberg Dierekliniek

Sheep: 2

4 cases

Polokwane, Pietersburg Veterinary Clinic

Sheep: 1

Free State

Bloemfontein, Dr Stephan Wessels

Sheep: 3

Frankfort, Frankfort Dierekliniek

Sheep: 3

Ladybrand, Ladybrand

Sheep: 2

Reitz, Riemland Dierehospitaal

Beef: 2

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 3

Kwazulu-Natal
Pietermaritzburg, Richmond Veterinary Clinic
Sheep: 2
Eastern Cape
Graaff-Reinet, Camdeboo Veterinary Clinic
Goat: 3
Graaff-Reinet, Graaff Reinet Veterinary Clinic
Goat: 2
Port Alfred, Port Alfred Veterinary Clinic
Dairy: 2
Five dairy heifer calves (Martindale)
Uitenhage, Uitenhage Dierehospitaal
Goat: 1
Western Cape
Malmesbury, Malmesbury Dierehospitaal
Dairy: 2
Riversdale, Riversdal Dierekliniek
Dairy: 2

Cryptosporidium	^
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PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	3.0 (4)	2.0 (1)			2.6 (5)				

Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef	3.0 (2)	2.0 (1)			2.0 (1)				
Dairy					3.0 (1)				
Sheep	3.0 (2)				2.7 (3)				

Mpumalanga
Balfour, Balfour Dierekliniek
Beef: 3, Sheep: 3
Middelburg, Middelburg Dierehospitaal
Beef: 3, Sheep: 3
Gauteng
Bronkhorstspuit, Kerkstraat Dierekliniek
Beef: 2
Free State
Clocolan, Clocolan Dierekliniek
Beef: 2, Dairy: 3, Sheep: 3
Reitz, Riemland Dierehospitaal
Sheep: 2
Villiers, Wilgepoort Dierekliniek Vennootskap
Sheep: 3

Fungal diseases

Ringworm									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North	Free	Kwazulu-	Eastern	Western	Northern

				West	State	Natal	Cape	Cape	Cape
Average	1.0 (1)	1.0 (1)		2.0 (1)	2.0 (2)	2.0 (2)			

Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef	1.0 (1)	1.0 (1)		2.0 (1)	2.0 (2)	2.0 (2)			
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Mpumalanga

Middelburg , Middelburg Dierehospitaal

Beef: 1

Gauteng

Pretoria, Anima Veterinary Consulting Rooms

Beef: 1

North West

Brits, Brits Dierekliniek

Beef: 2

Free State

Kroonstad, Kroonstad Dierehospitaal

Beef: 2

Parys, Parys Dierehospitaal

Beef: 2

Kwazulu-Natal

Mtubatuba, Mtubatuba Animal Clinic

Beef: 1

Pietermaritzburg, Richmond Veterinary Clinic

Beef: 3

Viral Diseases (other)

BMC



PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average			1.0 (2)	1.0 (1)	1.0 (2)				

Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef			1.0 (2)	1.0 (1)	1.0 (2)				
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Limpopo

Mokopane, Potgietersrus Dierekliniek

Beef: 1

Polokwane, Pietersburg Veterinary Clinic

Beef: 1

North West

Christiana, Christiana Dierehospitaal

Beef: 1

Free State

Kroonstad, Kroonstad Dierehospitaal

Beef: 1

Parys, Parys Dierehospitaal

Beef: 1

BVD (Bovine viral diarrhoea)									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average		1.0 (1)			1.0 (1)			1.0 (1)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef		1.0 (1)			1.0 (1)				
Dairy								1.0 (1)	
Gauteng									
Hammanskraal, Themba Animal Clinic									
Beef: 1									
Free State									
Ficksburg, Oosvrystaat Diere Produkte									
Beef: 1									
Western Cape									
Stellenbosch, Stellenbosch Animal Hospital									
Dairy: 1									
Abortions x2									
IBR (Infectious bovine rhinotracheitis)									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average		2.0 (1)	1.0 (1)		2.0 (2)			1.0 (1)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef		2.0 (1)	1.0 (1)		2.0 (2)			1.0 (1)	
Gauteng									
Bronkhorstspuit, Kerkstraat Dierekliniek									
Beef: 2									
Limpopo									
Modimolle, Kranskop Dierekliniek									
Beef: 1									
During routine testing for export of cattle to Botswana, one cow tested positive for EBL and IBR.									
Free State									
Clocolan, Clocolan Dierekliniek									
Beef: 1									
Vrede, Vrede Dierehospitaal									
Beef: 3									
Pneumonia in calves									
Western Cape									
Stellenbosch, Stellenbosch Animal Hospital									
Beef: 1									
Enzootic Bovine Leucosis (EBL)									^

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average			1.0 (1)				1.0 (1)	1.5 (2)	

Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef	1.0 (1)		
Dairy		1.0 (1)	1.5 (2)

Limpopo

Modimolle, Kranskop Dierekliniek

Beef: 1

During routine testing for export of cattle to Botswana, one cow tested positive for EBL and IBR.

Eastern Cape

Humansdorp, Humansdorp Veterinary Clinic

Dairy: 1

Western Cape

Malmesbury, Malmesbury Dierhospitaal

Dairy: 2

Stellenbosch, Stellenbosch Animal Hospital

Dairy: 1

Jaagsiekte

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average				2.0 (1)					

Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Sheep	2.0 (1)
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North West

Brits, Brits Dierekliniek

Sheep: 2

Orf

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)	2.0 (1)	1.0 (1)	1.5 (2)	1.0 (3)	1.5 (4)		2.0 (2)	2.0 (1)

Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Sheep			1.0 (1)	1.5 (2)	1.0 (2)	1.5 (2)		1.0 (1)	
Goat	1.0 (1)	2.0 (1)			1.0 (1)	1.5 (2)		3.0 (1)	2.0 (1)

Mpumalanga

Bethal, Bethal Dierekliniek

Gauteng
Hammanskraal, Themba Animal Clinic

Limpopo

Polokwane, Pietersburg Veterinary Clinic

Sheep: 1

Brits, Brits Dierekliniek

Christiana, Christiana Dierehospitaal

Free State

Sheep: 1, Goat: 1

Sheep: 1

Howick, Howick Veterinary Clinic

Mtubatuba, Mtubatuba Animal Clinic

Pongola, Pongola Animal Clinic

Western Cape

Sheep: 1

Goat: 3

Postmasburg, Postmasburg Dierekliniek

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[illegible]

Province	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)	1.0 (1)		2.0 (1)	1.8 (4)	1.3 (4)	1.0 (1)	1.0 (1)	

[illegible]

Beef	1.0 (1)	1.0 (1)	2.0 (1)	1.8 (4)	1.3 (4)	
Dairy						1.0 (1)
Sheep						1.0 (1)

Piet Retief, Pets Vet Hospital

Gauteng

Bronkhorstspuit, Kerkstraat Dierkliniek

North West

Beef: 2

Free State

Kroonstad, Kroonstad Dierehospitaal									
Beef: 2									
Ladybrand, Ladybrand									
Beef: 2									
Parys, Parys Dierehospitaal									
Beef: 2									
Wesselsbron, Wesselsbron Dierekliniek									
Beef: 1									
Kwazulu-Natal									
Camperdown, Camperdown Vet Clinic									
Beef: 1									
Mtubatuba, Mtubatuba Animal Clinic									
Beef: 2									
Newcastle, Ncanduvet Newcastle									
Beef: 1									
Pongola, Pongola Animal Clinic									
Beef: 1									
Eastern Cape									
Queenstown, Queenstown Veterinary clinic									
Sheep: 1									
Western Cape									
Malmesbury, Dr Otto Kriek									
Dairy: 1									
Corona Virus									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (1)								
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef	2.0 (1)								
Mpumalanga									
Balfour, Balfour Dierekliniek									
Beef: 2									
Other viral disease not listed									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average								2.0 (1)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Dairy								2.0 (1)	
Western Cape									
Swellendam, Swellendam Dierehospitaal									
Dairy: 2									
Poisonings (Plant) and Fungal									
Cardiac glycoside poisoning									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North	Free	Kwazulu-	Eastern	Western	Northern

				West	State	Natal	Cape	Cape	Cape
Average					1.0 (1)				
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Sheep					1.0 (1)				
Free State									
Ficksburg, Oosvrystaat Diere Produkte									
Sheep: 1									
Cestrum									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average				1.0 (1)	1.5 (2)		1.5 (2)		
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef				1.0 (1)	1.5 (2)		2.0 (1)		
Dairy							1.0 (1)		
North West									
Christiana, Christiana Dierehospitaal									
Beef: 1									
Free State									
Bloemfontein, Dr Stephan Wessels									
Beef: 1									
Clocolan, Clocolan Dierekliniek									
Beef: 2									
Eastern Cape									
Humansdorp, Humansdorp Veterinary Clinic									
Dairy: 1									
70 Jersey cross pregnant heifers died after breaking through fence (R500 000 loss) into ink berry infected (neighbour's) veldt.									
Port Alfred, Port Alfred Veterinary Clinic									
Beef: 2									
Two cows (Shaw Park)									
Cynanchum poisoning									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average								1.7 (3)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef								1.0 (1)	
Dairy								2.0 (1)	

Sheep	2.0 (1)								
Western Cape									
Heidelberg (WC), Heidelberg Dierekliniek									
Dairy: 2									
Riversdale, Riversdal Dierekliniek									
Beef: 1, Sheep: 2									
Facial eczema									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average		1.0 (1)						1.7 (3)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef		1.0 (1)						1.0 (1)	
Dairy								2.0 (1)	
Sheep								2.0 (1)	
Gauteng									
Bronkhorstspuit, Kerkstraat Dierekliniek									
Beef: 1									
Western Cape									
Riversdale, Riversdal Dierekliniek									
Beef: 1, Dairy: 2, Sheep: 2									
Geeldikkop/Dikoor									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average					2.0 (4)		2.0 (2)	2.0 (1)	1.0 (1)
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Sheep					2.0 (4)		2.0 (2)	2.0 (1)	1.0 (1)
Free State									
Bultfontein, Greylingrust Dieresprekkamer									
Sheep: 1									
Six sheep, duwweltjies.									
Clocolan, Clocolan Dierekliniek									
Sheep: 2									
Kroonstad, Kroonstad Dierehospitaal									
Sheep: 2									
Ladybrand, Ladybrand									
Sheep: 3									
Eastern Cape									
Graaff-Reinet, Camdeboo Veterinary Clinic									
Sheep: 1									
Angora goats									
Graaff-Reinet, Graaff Reinet Veterinary Clinic									
Sheep: 3									
Western Cape									
Malmesbury, Malmesbury Dierehospitaal									

Sheep: 2

Northern Cape

De Aar, De Aar Veterinary Clinic

Sheep: 1

Gifblaar									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average			1.5 (2)						

Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef			1.5 (2)						
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Limpopo

Modimolle, Kranskop Dierekliniek

Beef: 2

Three cattle died on same farm

Polokwane, Pietersburg Veterinary Clinic

Beef: 1

Gousiekte									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average			2.0 (1)						

Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef			2.0 (1)						
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Limpopo

Vaalwater, Vaalwater Dieresprekkamer

Beef: 2

Five cattle

Lantana									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average		2.0 (1)	1.5 (2)			1.0 (1)			

Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef		2.0 (1)	1.5 (2)			1.0 (1)			
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Gauteng

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 2

Limpopo

Makhado, Blouberg Dierekliniek

Beef: 2

5 cases

Polokwane, Pietersburg Veterinary Clinic

Beef: 1

Kwazulu-Natal									
Estcourt, Estcourt Vet Clinic									
Beef: 1									
Lupine Poisoning									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average								1.0 (1)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Sheep								1.0 (1)	
Western Cape									
Caledon, Overberg Veterinary Hospital									
Sheep: 1									
Nitrate poisoning									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average						2.0 (1)			
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Dairy						2.0 (1)			
Kwazulu-Natal									
Howick, Howick Veterinary Clinic									
Dairy: 2									
Prussic acid poisoning									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (3)		1.0 (1)						
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef	1.0 (1)								
Sheep	1.0 (1)		1.0 (1)						
Goat	1.0 (1)								
Mpumalanga									
Balfour, Balfour Dierekliniek									
Beef: 1, Sheep: 1, Goat: 1									
Limpopo									
Polokwane, Pietersburg Veterinary Clinic									
Sheep: 1									
Rye grass poisoning									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape

Average									1.0 (1)
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef									1.0 (1)
Western Cape									
Caledon, Overberg Veterinary Hospital									
Beef: 1									
Seneciosis									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average					1.0 (1)				
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Dairy					1.0 (1)				
Free State									
Ladybrand, Ladybrand									
Dairy: 1									
Vermeersiekte (<i>Gaigeria</i> spp.)									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)				1.0 (1)				
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef					1.0 (1)				
Sheep		1.0 (1)							
Mpumalanga									
Balfour, Balfour Dierekliniek									
Sheep: 1									
Free State									
Ladybrand, Ladybrand									
Beef: 1									
dexter									
Poisonings									
Water contamination									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average									3.0 (1)

Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Sheep		3.0 (1)
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Northern Cape

Upington, Upington Veterinary Clinic

Sheep: 3

Cachexia in Dorper ewes brought in from Botswana, deficient in microflora, 16 died. Treated with molasses.

Urea Poisoning

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (1)								3.0 (1)

Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Dairy	2.0 (1)	
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Sheep		3.0 (1)
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Mpumalanga

Bethal, Bethal Dierekliniek

Dairy: 2

Northern Cape

Upington, Upington Veterinary Clinic

Sheep: 3

Snake Bite

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (1)				1.8 (6)	1.0 (1)			

Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef					1.6 (5)	1.0 (1)			
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Sheep	2.0 (1)				3.0 (1)				
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Mpumalanga

Volksrust, Cape Cross Volksrust Dierehospitaal

Sheep: 2

Free State

Clocolan, Clocolan Dierekliniek

Beef: 2, Sheep: 3

Ladybrand, Ladybrand

Beef: 1

Memel, Memel Veterinary Clinic

Beef: 1

Senekal, Senekal Dierekliniek

Beef: 2

Winburg, Winburg Dierekliniek

Beef: 2

Kwazulu-Natal

Kokstad, E.G.Veterinary Services

Beef: 1

One human case - Dr Dave Clowes got bitten by a rinkhals

Chemical products

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average					1.0 (1)	2.0 (1)		1.0 (1)	

Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef						2.0 (1)		1.0 (1)	
Sheep					1.0 (1)				

Free State**Reitz, Riemland Dierehospitaal**

Sheep: 1

Kwazulu-Natal**Howick, Howick Veterinary Clinic**

Beef: 2

Western Cape**Beaufort West, Beaufort West State Vet**

Beef: 1

Farmer used expired Dazzle and killed all 20 cattle that was spraydipped.

Other

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average				2.0 (1)					3.0 (1)

Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef				2.0 (1)					
Sheep									3.0 (1)

North West**Leeudoringstad, Leeudoringstad Dierekliniek**

Beef: 2

Lead poisoning in 5 to 6 month old calves - 7 died.

Northern Cape**Calvinia, Calvinia Veeartskliniek**

Sheep: 3

Monensin

Macro Nutritional Problems**Energy deficiency**

PROVINCE	Mpumalanga	Gauteng	Limpopo	North	Free	Kwazulu-	Eastern	Western	Northern
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				West	State	Natal	Cape	Cape	Cape
Average		2.3 (3)	3.0 (3)				1.0 (1)	2.0 (3)	

Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef		3.0 (1)	3.0 (1)					2.0 (1)	
Dairy								2.0 (1)	
Sheep		2.0 (1)	3.0 (1)					2.0 (1)	
Goat		2.0 (1)	3.0 (1)				1.0 (1)		

Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 3, Sheep: 2, Goat: 2

Limpopo

Polokwane, Pietersburg Veterinary Clinic

Beef: 3, Sheep: 3, Goat: 3

Eastern Cape

Graaff-Reinet, Camdeboo Veterinary Clinic

Goat: 1

Western Cape

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 2, Sheep: 2

Protein deficiency



PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average		2.3 (3)					1.0 (1)	2.0 (2)	

Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef		3.0 (1)						2.0 (1)	
Sheep		2.0 (1)						2.0 (1)	
Goat		2.0 (1)					1.0 (1)		

Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 3, Sheep: 2, Goat: 2

Eastern Cape

Graaff-Reinet, Camdeboo Veterinary Clinic

Goat: 1

Western Cape

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Sheep: 2

Phosphate deficiency



PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average								3.0 (1)	2.0 (1)

Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef		2.0 (1)
Dairy		3.0 (1)

Western Cape									
Malmesbury, Malmesbury Dierehospitaal									
Dairy: 3									
Northern Cape									
Postmasburg, Postmasburg Dierekliniek									
Beef: 2									

Calcium deficiency									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average						3.0 (1)		2.0 (2)	

Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Dairy		3.0 (1)	2.0 (2)
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Kwazulu-Natal									
Howick, Howick Veterinary Clinic									
Dairy: 3									
Western Cape									
Malmesbury, Malmesbury Dierehospitaal									
Dairy: 3									
Swellendam, Swellendam Dierehospitaal									
Dairy: 1									

Micro Nutritional Problems

Copper deficiency									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average						1.0 (1)		1.0 (1)	

Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef		1.0 (1)	
Sheep			1.0 (1)

Kwazulu-Natal									
Mtubatuba, Mtubatuba Animal Clinic									
Beef: 1									
Western Cape									
Swellendam, Swellendam Dierehospitaal									
Sheep: 1									

Selenium deficiency									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average				3.0 (1)					2.0 (1)

Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Sheep		3.0 (1)	
Goat			2.0 (1)

North West

Christiana, Christiana Dierehospitaal

Sheep: 3

Northern Cape

Postmasburg, Postmasburg Dierekliniek

Goat: 2

Magnesium deficiency



PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average		1.0 (1)							

Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Sheep		1.0 (1)	
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Gauteng

Hammanskraal, Themba Animal Clinic

Sheep: 1

Vitamin A deficiency



PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average				3.0 (1)	3.0 (2)				

Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef				3.0 (1)	3.0 (1)				
Sheep					3.0 (1)				

North West

Christiana, Christiana Dierehospitaal

Beef: 3

Free State

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Vitamin B deficiency



PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average						1.0 (1)	1.0 (1)	2.0 (1)	

Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Sheep								2.0 (1)	
Goat					1.0 (1)		1.0 (1)		

Kwazulu-Natal

Camperdown, Camperdown Vet Clinic

Goat: 1

Vitamin B1 deficiency

Eastern Cape

Graaff-Reinet, Camdeboo Veterinary Clinic

Goat: 1

Western Cape

Vredenburg, Vredenburg Dierehospitaal

Sheep: 2

A few cases of Vit B1 deficiency

Multi-factorial Disease Conditions

Abortions

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.3 (3)		1.3 (3)	2.0 (1)	2.0 (7)	2.0 (2)		2.7 (3)	

Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef	1.5 (2)		1.0 (1)	2.0 (1)	2.0 (4)	1.0 (1)			
Dairy						3.0 (1)		2.7 (3)	
Sheep					2.0 (3)				
Goat	1.0 (1)		1.5 (2)						

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1, Goat: 1

Middelburg, Middelburg Dierehospitaal

Beef: 2

Limpopo

Makhado, Blouberg Dierekliniek

Goat: 2

3 cases

Polokwane, Pietersburg Veterinary Clinic

Beef: 1, Goat: 1

North West

Christiana, Christiana Dierehospitaal

Beef: 2

Free State

Bloemfontein, Dr Stephan Wessels

Beef: 1

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2, Sheep: 2

Wesselsbron, Wesselsbron Direkliniek

Sheep: 1

Winburg, Winburg Direkliniek

Beef: 2

Kwazulu-Natal**Howick, Howick Veterinary Clinic**

Dairy: 3

Newcastle, Ncanduvet Newcastle

Beef: 1

Western Cape**Malmesbury, Dr Otto Kriek**

Dairy: 2

Malmesbury, Malmesbury Dierehospitaal

Dairy: 3

Swellendam, Swellendam Dierehospitaal

Dairy: 3

Stillbirths

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average					3.0 (2)	3.0 (1)			

Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef					3.0 (1)				
Dairy						3.0 (1)			
Sheep					3.0 (1)				

Free State**Hoopstad, Hoopstad Direkliniek**

Beef: 3, Sheep: 3

Kwazulu-Natal**Howick, Howick Veterinary Clinic**

Dairy: 3

Abscesses

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.8 (5)	1.8 (6)	1.2 (6)	2.0 (5)	2.2 (6)	2.3 (4)	1.8 (4)	1.7 (3)	2.0 (2)

Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef	1.5 (2)	1.7 (3)	1.3 (3)	2.0 (4)	2.0 (4)	2.0 (2)	1.5 (2)	1.0 (1)	
Dairy						3.0 (1)		2.0 (2)	
Sheep	2.0 (2)	2.0 (2)	1.0 (2)		2.5 (2)				2.0 (1)

Beef: 2									
Three cows (Martindale); 1 cow (Kap River); 1 bull (Langholm); 1 cow (Shaw Park); 1 calf (Bathurst)									
Goat: 2									
Four cases (Bathurst); one case (Martindale)									
Uitenhage, Uitenhage Dierehospitaal									
Beef: 1									
Western Cape									
Caledon, Overberg Veterinary Hospital									
Dairy: 1									
Malmesbury, Malmesbury Dierehospitaal									
Dairy: 3									
Oudtshoorn, Oudtshoorn Dierekliniek									
Beef: 1									
Corynebacterium abscess									
Northern Cape									
Postmasburg, Postmasburg Dierekliniek									
Sheep: 2, Goat: 2									
Abscesses in general									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (1)	2.0 (1)			2.2 (5)	2.0 (3)		3.0 (1)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef					2.3 (3)	1.0 (1)			
Dairy						3.0 (1)		3.0 (1)	
Sheep					2.0 (2)				
Goat	2.0 (1)	2.0 (1)				2.0 (1)			
Mpumalanga									
Ermelo, Môregloed Veterinêre Spreekkamer									
Goat: 2									
Gauteng									
Hammanskraal, Themba Animal Clinic									
Goat: 2									
Free State									
Hoopstad, Hoopstad Dierekliniek									
Beef: 3, Sheep: 3									
Wesselsbron, Wesselsbron Dierekliniek									
Beef: 2, Sheep: 1									
Winburg, Winburg Dierekliniek									
Beef: 2									
Kwazulu-Natal									
Estcourt, Estcourt Vet Clinic									
Goat: 2									
Howick, Howick Veterinary Clinic									
Dairy: 3									
Mtubatuba, Mtubatuba Animal Clinic									
Beef: 1									
Western Cape									
Malmesbury, Malmesbury Dierehospitaal									
Dairy: 3									

Bladder stones									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average					1.3 (3)	1.0 (1)			1.0 (1)
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef					1.0 (1)				1.0 (1)
Sheep					1.5 (2)				
Goat					1.0 (1)				
Free State									
Ficksburg, Oosvrystaat Diere Produkte									
Beef: 1									
One bull died due to bladder stones									
Gariepdam, Gariep Dierekliniek									
Sheep: 2									
Kidney stones in Merino rams that are fed for auction - Philippolis									
Hoopstad, Hoopstad Dierekliniek									
Sheep: 1									
Kwazulu-Natal									
Mtubatuba, Mtubatuba Animal Clinic									
Goat: 1									
Northern Cape									
Postmasburg, Postmasburg Dierekliniek									
Beef: 1									
Blindness									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average					2.5 (4)			2.0 (3)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef					2.5 (2)			2.0 (1)	
Dairy							2.0 (1)		
Sheep					2.5 (2)			2.0 (1)	
Free State									
Hoopstad, Hoopstad Dierekliniek									
Beef: 3, Sheep: 3									
Ladybrand, Ladybrand									
Sheep: 2									
Winburg, Winburg Dierekliniek									
Beef: 2									
Western Cape									

Heidelberg (WC), Heidelberg Dierekliniek

Sheep: 2

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 2

Bloat

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average		1.0 (2)			2.0 (2)	2.0 (1)		1.7 (3)	1.0 (1)

Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef		1.0 (1)			2.0 (2)			1.5 (2)	1.0 (1)
Dairy						2.0 (1)		2.0 (1)	
Goat		1.0 (1)							

Gauteng**Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic**

Beef: 1, Goat: 1

Free State**Wesselsbron, Wesselsbron Dierekliniek**

Beef: 1

Winburg, Winburg Dierekliniek

Beef: 3

Kwazulu-Natal**Howick, Howick Veterinary Clinic**

Dairy: 2

Western Cape**Malmesbury, Malmesbury Dierehospitaal**

Beef: 2, Dairy: 2

Plettenberg Bay, Plettenberg Bay A Reitz

Beef: 1

Overeating

Northern Cape**Postmasburg, Postmasburg Dierekliniek**

Beef: 1

Blue udder

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	3.0 (1)	1.0 (2)			1.8 (6)		1.0 (2)	1.3 (3)	

Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef					2.0 (1)				
Dairy					2.0 (1)			1.0 (1)	
Sheep	3.0 (1)	1.0 (1)			1.8			1.5 (2)	

				(4)	
Goat		1.0 (1)			1.0 (2)

Mpumalanga

Balfour, Balfour Dierekliniek

Sheep: 3

Gauteng

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Sheep: 1, Goat: 1

Free State

Ficksburg, Oosvrystaat Diere Produkte

Sheep: 1

Frankfort, Frankfort Dierekliniek

Sheep: 3

Hoopstad, Hoopstad Dierekliniek

Sheep: 1

Ladybrand, Ladybrand

Dairy: 2

Reitz, Riemland Dierehospitaal

Sheep: 2

Winburg, Winburg Dierekliniek

Beef: 2

Eastern Cape

Graaff-Reinet, Camdeboo Veterinary Clinic

Goat: 1

Port Alfred, Port Alfred Veterinary Clinic

Goat: 1

One case blue udder and abscess (Port Alfred)

Western Cape

Heidelberg (WC), Heidelberg Dierekliniek

Sheep: 2

Riversdale, Riversdal Dierekliniek

Sheep: 1

Stellenbosch, Stellenbosch Animal Hospital

Dairy: 1

Diarrhoea									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	3.0 (5)	3.0 (1)	1.0 (3)	3.0 (3)	2.7 (12)	2.0 (8)		2.4 (5)	

Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef	3.0 (3)	3.0 (1)	1.0 (1)	3.0 (3)	2.7 (6)	2.0 (4)		2.0 (1)	
Dairy					3.0 (1)	2.5 (2)		2.7 (3)	
Sheep	3.0 (2)		1.0 (1)		2.6 (5)	1.0 (1)		2.0 (1)	
Goat			1.0 (1)			2.0 (1)			

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 3

Middelburg, Middelburg Dierehospitaal

Beef: 3, Sheep: 3
Volkswest, Cape Cross Volkswest Dierehospitaal
Beef: 3, Sheep: 3
Gauteng
Bronkhorstspuit, Kerkstraat Dierekliniek
Beef: 3
Limpopo
Polokwane, Pietersburg Veterinary Clinic
Beef: 1, Sheep: 1, Goat: 1
North West
Christiana, Christiana Dierehospitaal
Beef: 3
Lichtenburg, Dr CM Kruger-Rall
Beef: 3
Diarrhoea in calves
Stella, Stella Dierekliniek
Beef: 3
Free State
Clocolan, Clocolan Dierekliniek
Beef: 2, Dairy: 3, Sheep: 3
Frankfort, Frankfort Dierekliniek
Beef: 3, Sheep: 3
Hoopstad, Hoopstad Dierekliniek
Beef: 3, Sheep: 3
Ladybrand, Ladybrand
Beef: 2, Sheep: 2
Memel, Memel Veterinary Clinic
Beef: 3
Reitz, Riemland Dierehospitaal
Sheep: 2
Winburg, Winburg Dierekliniek
Beef: 3
Kwazulu-Natal
Bergville, Tugela Vet Clinic
Beef: 1, Sheep: 1
Dundee, Endumeni Herd health
Beef: 3, Dairy: 2
Estcourt, Estcourt Vet Clinic
Beef: 2, Goat: 2
Howick, Howick Veterinary Clinic
Dairy: 3
Pietermaritzburg, Richmond Veterinary Clinic
Beef: 2
Western Cape
Malmesbury, Malmesbury Dierehospitaal
Beef: 2, Dairy: 3, Sheep: 2
Stellenbosch, Stellenbosch Animal Hospital
Dairy: 2
Swellendam, Swellendam Dierehospitaal
Dairy: 3

Epididymitis									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (1)							1.0 (1)	

Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases

Sheep: 1

Angora goat

Western Cape

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 2

Swellendam, Swellendam Dierehospitaal

Dairy: 2

Eye infections



PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (8)	1.7 (7)		2.0 (2)	2.7 (15)	1.9 (11)	2.5 (2)	2.3 (9)	3.0 (1)

Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef	2.0 (4)	1.7 (3)		2.0 (2)	2.6 (10)	2.0 (6)	2.0 (1)	2.0 (2)	3.0 (1)
Dairy						3.0 (2)		2.5 (4)	
Sheep	2.0 (3)	1.5 (2)			2.8 (5)	1.0 (2)	3.0 (1)	2.3 (3)	
Goat	2.0 (1)	2.0 (2)				1.0 (1)			

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 2, Sheep: 2, Goat: 2

Piet Retief, Pets Vet Hospital

Beef: 2

Standerton, Econovet

Beef: 2, Sheep: 2

Volkswest, Cape Cross Volkswest Dierehospitaal

Beef: 2, Sheep: 2

Gauteng

Bronkhorstspuit, Kerkstraat Dierekliniek

Beef: 2, Sheep: 1, Goat: 2

Hammanskraal, Themba Animal Clinic

Beef: 1, Sheep: 2, Goat: 2

Pretoria, Anima Veterinary Consulting Rooms

Beef: 2

North West

Christiana, Christiana Dierehospitaal

Beef: 3

Ventersdorp, Ventersdorp Dierekliniek

Beef: 1

Free State

Bloemfontein, Dr Stephan Wessels

Beef: 3

Clocolan, Clocolan Dierekliniek

Beef: 3, Sheep: 3

Frankfort, Frankfort Dierekliniek

Beef: 3, Sheep: 3

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Ladybrand, Ladybrand

Beef: 2

Memel, Memel Veterinary Clinic

Beef: 3									
Parys, Parys Dierehospitaal									
Beef: 2									
Reitz, Riemland Dierehospitaal									
Beef: 3, Sheep: 3									
Wesselsbron, Wesselsbron Dierekliniek									
Beef: 1, Sheep: 2									
Winburg, Winburg Dierekliniek									
Beef: 3									
Kwazulu-Natal									
Bergville, Tugela Vet Clinic									
Beef: 1, Sheep: 1									
Camperdown, Camperdown Vet Clinic									
Sheep: 1									
Dundee, Endumeni Herd health									
Beef: 3, Dairy: 3									
Howick, Howick Veterinary Clinic									
Dairy: 3									
Mtubatuba, Mtubatuba Animal Clinic									
Beef: 2									
Newcastle, Ncanduvet Newcastle									
Beef: 2									
Pongola, Pongola Animal Clinic									
Beef: 1, Goat: 1									
Vryheid, Vryheid Privaat Veeartse									
Beef: 3									
Eastern Cape									
Graaff-Reinet, Graaff Reinet Veterinary Clinic									
Sheep: 3									
Port Alfred, Port Alfred Veterinary Clinic									
Beef: 2									
Two cows (Port Alfred)									
Western Cape									
Caledon, Overberg Veterinary Hospital									
Sheep: 2									
Darling, Tygerberg Dierehospitaal Darling									
Sheep: 2									
Malmesbury, Dr Otto Kriek									
Dairy: 2									
Malmesbury, Malmesbury Dierehospitaal									
Beef: 3, Dairy: 3									
Piketberg, Piketberg Dierehospitaal									
Sheep: 3									
Riversdale, Riversdal Dierekliniek									
Dairy: 2									
Stellenbosch, Stellenbosch Animal Hospital									
Beef: 1									
Swellendam, Swellendam Dierehospitaal									
Dairy: 3									
Northern Cape									
Kimberley, Kimberley Dierekliniek									
Beef: 3									
Kerato-conjunctivitis									
Joint Ill									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape

Average		1.0 (1)	1.0 (1)		2.0 (1)	1.3 (4)	1.0 (1)	2.0 (2)
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported								
Beef			1.0 (1)		2.0 (1)	1.5 (2)		2.0 (1)
Dairy								2.0 (1)
Sheep		1.0 (1)						
Goat						1.0 (2)	1.0 (1)	

Gauteng

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Sheep: 1

Septic arthritis

Limpopo

Polokwane, Pietersburg Veterinary Clinic

Beef: 1

Free State

Winburg, Winburg Dierekliniek

Beef: 2

Kwazulu-Natal

Camperdown, Camperdown Vet Clinic

Goat: 1

Estcourt, Estcourt Vet Clinic

Goat: 1

Newcastle, Ncanduvet Newcastle

Beef: 1

Vryheid, Vryheid Privaat Veeartse

Beef: 2

Calves

Eastern Cape

Graaff-Reinet, Camdeboo Veterinary Clinic

Goat: 1

Western Cape

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 2

Lameness/Foot Problems [^](#)

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (6)	2.0 (3)	1.0 (1)	3.0 (1)	2.0 (8)	1.8 (12)		2.0 (6)	

Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef	2.0 (3)	2.0 (1)	1.0 (1)		1.8 (6)	1.6 (5)		2.0 (1)	
Dairy						3.0 (2)		2.0 (5)	
Sheep	1.5 (2)			3.0 (1)	2.5 (2)	2.0 (1)			
Goat	3.0 (1)	2.0 (2)				1.5 (4)			

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 2

Bethal, Bethal Dierekliniek

Sheep: 1

Ermelo, Moregloed Veterinere Spreekkamer

Goat: 3

Middelburg , Middelburg Dierehospitaal

Beef: 2

Volkstrust, Cape Cross Volkstrust Dierehospitaal

Beef: 2, Sheep: 2

Foot rot

Gauteng**Hammanskraal, Themba Animal Clinic**

Beef: 2, Goat: 2

Pretoria, Anima Veterinary Consulting Rooms

Goat: 2

Limpopo**Polokwane, Pietersburg Veterinary Clinic**

Beef: 1

North West**Christiana, Christiana Dierehospitaal**

Sheep: 3

Free State**Bloemfontein, Dr Stephan Wessels**

Beef: 2

Kroonstad, Kroonstad Dierehospitaal

Sheep: 2

Ladybrand, Ladybrand

Beef: 2

Parys, Parys Dierehospitaal

Beef: 2

Reitz, Froneman Veterinary Practice

Beef: 2

Vrede, Vrede Dierehospitaal

Sheep: 3

Foot rot

Wesselsbron, Wesselsbron Dierekliniek

Beef: 1

Winburg, Winburg Dierekliniek

Beef: 2

Kwazulu-Natal**Camperdown, Camperdown Vet Clinic**

Goat: 1

Dundee, Endumeni Herd health

Beef: 2, Dairy: 3

Estcourt, Estcourt Vet Clinic

Sheep: 2, Goat: 2

Howick, Howick Veterinary Clinic

Beef: 2, Dairy: 3

Mtubatuba, Mtubatuba Animal Clinic

Goat: 2

Newcastle, Ncanduvet Newcastle

Beef: 1

Pietermaritzburg, Richmond Veterinary Clinic

Beef: 2

Pongola, Pongola Animal Clinic

Beef: 1, Goat: 1

Western Cape**Malmesbury, Dr Otto Kriek**

Dairy: 2

Malmesbury, Malmesbury Dierehospitaal

Dairy: 3

Riversdale, Riversdal Dierekliniek

Beef: 2, Dairy: 2

Stellenbosch, Stellenbosch Animal Hospital

Dairy: 1

Swellendam, Swellendam Dierehospitaal

Dairy: 2

Lung infection

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (5)	1.4 (5)	1.0 (4)	3.0 (2)	2.4 (10)	2.3 (3)	2.0 (3)	1.5 (2)	3.0 (1)

Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef	1.8 (4)	1.0 (3)	1.0 (2)	3.0 (1)	2.4 (7)	2.5 (2)			
Dairy					2.0 (1)			2.0 (1)	
Sheep	3.0 (1)	2.0 (1)	1.0 (1)	3.0 (1)	2.5 (2)	2.0 (1)	2.0 (1)	1.0 (1)	3.0 (1)
Goat		2.0 (1)	1.0 (1)				2.0 (2)		

Mpumalanga**Balfour, Balfour Dierekliniek**

Beef: 2

Pasteurellosis

Bethal, Bethal Dierekliniek

Beef: 1

Middelburg , Middelburg Dierehospitaal

Beef: 3, Sheep: 3

Piet Retief, Pets Vet Hospital

Beef: 1

Gauteng**Bronkhorstspuit, Kerkstraat Dierekliniek**

Beef: 1

Hammanskraal, Themba Animal Clinic

Beef: 1, Sheep: 2, Goat: 2

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 1

Limpopo**Makhado, Blouberg Dierekliniek**

Beef: 1

Pasteurellosis

Polokwane, Pietersburg Veterinary Clinic

Beef: 1, Sheep: 1, Goat: 1

North West**Christiana, Christiana Dierehospitaal**

Beef: 3, Sheep: 3

Free State**Bloemfontein, Dr Stephan Wessels**

Beef: 2

Clocolan, Clocolan Dierekliniek

Beef: 2, Dairy: 2, Sheep: 2

Frankfort, Frankfort Dierekliniek

Beef: 3

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Ladybrand, Ladybrand

Beef: 2

Vrede, Vrede Dierehospitaal

Beef: 3

Winburg, Winburg Dierekliniek

Beef: 2

Kwazulu-Natal**Bergville, Tugela Vet Clinic**

Beef: 2, Sheep: 2

Dundee, Endumeni Herd health

Beef: 3

Eastern Cape**Graaff-Reinet, Camdeboo Veterinary Clinic**

Goat: 2

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Sheep: 2, Goat: 2

Western Cape**Caledon, Overberg Veterinary Hospital**

Sheep: 1

Malmesbury, Malmesbury Dierehospitaal

Dairy: 2

Northern Cape**Calvinia, Calvinia Veeartskliniek**

Sheep: 3

Mastitis in general

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	3.0 (1)			3.0 (2)	1.7 (3)	1.7 (3)	2.0 (1)	2.0 (5)	

Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef				3.0 (1)		1.0 (2)	2.0 (1)	2.0 (1)	
Dairy	3.0 (1)				1.7 (3)	3.0 (1)		2.3 (3)	
Sheep				3.0 (1)				1.0 (1)	

Mpumalanga**Balfour, Balfour Dierekliniek**

Dairy: 3

North West**Christiana, Christiana Dierehospitaal**

Beef: 3, Sheep: 3

Free State**Bloemfontein, Dr Stephan Wessels**

Dairy: 2

Clocolan, Clocolan Dierekliniek

Dairy: 2

Ladybrand, Ladybrand

Kwazulu-Natal

Howick, Howick Veterinary Clinic

Dairy: 3

Newcastle, Ncanduyet Newcastle

Beef: 1

Pongola, Pongola Animal Clinic

Beef: 1

Eastern Cape

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Beef: 2

Western Cape

Malmesbury, Dr Otto Kriek

Dairy: 1

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 3

Riversdale, Riversdal Dierekliniek

Sheep: 1

Swellendam, Swellendam Dierehospitaal

Dairy: 3

[illegible]

Navel III ^

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)		1.0 (1)		1.0 (1)			2.0 (1)	

Beef	1.0 (1)	1.0 (1)	1.0 (1)
Dairy	2.0 (1)		

Balfour, Balfour Dierekliniek

Beef: 1

Limpopo

Polokwane, Pietersburg Veterinary Clinic

Beef: 1

Free State

Ladybrand, Ladybrand

Beef: 1

Western Cape

Riversdale, Riversdal Dierekliniek

Dairy: 2

[illegible][illegible]

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average								2.0 (2)	

Sheep	2.0 (2)
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Sheep	2.0 (2)
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Western Cape

Beaufort West, Beaufort West State Vet

Sheep: 2

Malmesbury, Malmesbury Dierhospitaal

Sheep: 2

Trauma

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average					1.5 (2)	1.0 (2)		1.0 (1)	

Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef		1.0 (1)	1.0 (2)	
Dairy				1.0 (1)
Sheep		2.0 (1)		

Free State

Reitz, Froneman Veterinary Practice

Beef: 1, Sheep: 2

Kwazulu-Natal

Camperdown, Camperdown Vet Clinic

Beef: 1

Traumatic reticulo-pericarditis (wire)

Newcastle, Ncanduvet Newcastle

Beef: 1

Traumatic pericarditis (wire)

Western Cape

Riversdale, Riversdal Dierekliniek

Dairy: 1

Downer ^

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average		2.0 (1)	1.0 (1)		1.3 (3)			1.5 (2)	

Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef		2.0 (1)	1.0 (1)		1.0 (1)	
Dairy				1.5 (2)		2.0 (1)

Gauteng

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 2

Limpopo

Polokwane, Pietersburg Veterinary Clinic

Beef: 1

Traumatic pericarditis (wire)

Free State

Clocolan, Clocolan Dierekliniek

Beef: 1, Dairy: 2

Reitz, Froneman Veterinary Practice

Dairy: 1

Western Cape

Riversdale, Riversdal Dierekliniek

Beef: 1, Dairy: 2

Metabolic Diseases

Acidosis

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)			1.0 (1)	3.0 (1)	2.0 (1)		2.0 (5)	

Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef					3.0 (1)			2.0 (1)	
Dairy	1.0 (1)					2.0 (1)		2.0 (2)	
Sheep				1.0 (1)				2.0 (2)	

Mpumalanga

Volksrust, Cape Cross Volksrust Dierehospitaal

Dairy: 1

North West

Brits, Brits Dierekliniek

Sheep: 1

Free State

Winburg, Winburg Dierekliniek

Beef: 3

Kwazulu-Natal

Estcourt, Estcourt Vet Clinic

Dairy: 2

Western Cape

Beaufort West, Beaufort West State Vet

Sheep: 2

Feeding adaptation not done properly.

Heidelberg (WC), Heidelberg Dierekliniek

Dairy: 1

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 3, Sheep: 2

Displaced abomasum

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average					1.0 (1)	2.5 (2)		2.0 (1)	

Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Dairy	1.0 (1)	2.5 (2)	2.0 (1)
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Free State

Clocolan, Clocolan Dierekliniek

Dairy: 1

Kwazulu-Natal

Dundee, Endumeni Herd health

Dairy: 2

Howick, Howick Veterinary Clinic

Dairy: 3

Western Cape

Malmesbury, Malmesbury Dierhospitaal

Dairy: 2

Ketosis	
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PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average					1.5 (2)			1.0 (1)	2.0 (1)

Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef		1.0 (1)	
Dairy		2.0 (1)	1.0 (1)
Sheep			2.0 (1)

Free State

Clocolan, Clocolan Dierekliniek

Dairy: 2

Hoopstad, Hoopstad Dierekliniek

Beef: 1

Western Cape

Malmesbury, Invitrotech

Dairy: 1

Northern Cape

Kimberley, Kimberley Dierekliniek

Sheep: 2

Milk Fever

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average			1.0 (1)		1.0 (1)	3.0 (1)		2.0 (3)	1.0 (1)

Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef		2.0 (1)	1.0 (1)
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Dairy			1.0 (1)		1.0 (1)	3.0 (1)		2.0 (2)	
Limpopo									
Vaalwater, Vaalwater Dieresprekkamer									
Dairy: 1									
Free State									
Ladybrand, Ladybrand									
Dairy: 1									
Kwazulu-Natal									
Howick, Howick Veterinary Clinic									
Dairy: 3									
Western Cape									
Malmesbury, Invitrotech									
Dairy: 1									
Malmesbury, Malmesbury Dierehospitaal									
Dairy: 3									
Riversdale, Riversdal Dierekliniek									
Beef: 2									
Northern Cape									
Postmasburg, Postmasburg Dierekliniek									
Beef: 1									
Reproductive diseases									
Dystocia (Difficult Births)									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.9 (7)	1.3 (3)	2.0 (4)	2.5 (2)	2.2 (17)	1.7 (6)	2.0 (1)	1.6 (8)	2.0 (1)
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef	1.8 (5)	1.5 (2)	2.0 (4)	2.5 (2)	2.1 (14)	1.5 (4)	2.0 (1)	1.7 (3)	2.0 (1)
Dairy						2.0 (2)		1.6 (5)	
Sheep	2.0 (1)	1.0 (1)			2.7 (3)				
Goat	2.0 (1)								
Mpumalanga									
Balfour, Balfour Dierekliniek									
Beef: 2, Sheep: 2, Goat: 2									
Bethal, Bethal Dierekliniek									
Beef: 1									
Middelburg , Middelburg Dierehospitaal									
Beef: 3									
Piet Retief, Pets Vet Hospital									
Beef: 1									
Volksrust, Cape Cross Volksrust Dierehospitaal									
Beef: 2									
Gauteng									
Bronkhorstspuit, Kerkstraat Dierekliniek									
Beef: 2									
Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic									
Beef: 1, Sheep: 1									

Limpopo

Makhado, Blouberg Dierekliniek

Beef: 2

3 cases

Modimolle, Kranskop Dierekliniek

Beef: 1

Farmer pulled calf - animal died due to complication.

Mokopane, Potgietersrus Dierekliniek

Beef: 2

Polokwane, Pietersburg Veterinary Clinic

Beef: 3

North West

Christiana, Christiana Dierehospitaal

Beef: 3

Ventersdorp, Ventersdorp Dierekliniek

Beef: 2

Free State

Bloemfontein, Dr Stephan Wessels

Beef: 1

Bultfontein, Greylingrust Dieresprekkamer

Beef: 1

Clocolan, Clocolan Dierekliniek

Beef: 2, Sheep: 2

Dewetsdorp, Platkop Dierekliniek

Beef: 2

Ficksburg, Oosvrystaat Dier Produkte

Beef: 2

Frankfort, Frankfort Dierekliniek

Beef: 3, Sheep: 3

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 3

Ladybrand, Ladybrand

Beef: 1

Parys, Parys Dierehospitaal

Beef: 2

Reitz, Froneman Veterinary Practice

Beef: 2

Reitz, Riemland Dierehospitaal

Beef: 2

Senekal, Senekal Dierekliniek

Beef: 2

Winburg, Winburg Dierekliniek

Beef: 3

Kwazulu-Natal

Bergville, Tugela Vet Clinic

Beef: 1

Dundee, Endumeni Herd health

Beef: 1

Estcourt, Estcourt Vet Clinic

Dairy: 1

Howick, Howick Veterinary Clinic

Dairy: 3

Mtubatuba, Mtubatuba Animal Clinic

Beef: 1

Newcastle, Ncanduvet Newcastle

Beef: 3

Eastern Cape

Aliwal North, Hertzogbrug Dierekliniek

Beef: 2

Western Cape

Malmesbury, Dr Otto Kriek

Dairy: 1

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 2

Plettenberg Bay, Plettenberg Bay A Reitz

Beef: 1

Autopsy, cow died due to dystocia

Riversdale, Riversdal Dierekliniek

Beef: 2, Dairy: 2

Stellenbosch, Stellenbosch Animal Hospital

Dairy: 1

Swellendam, Swellendam Dierehospitaal

Dairy: 2

Northern Cape

Postmasburg, Postmasburg Dierekliniek

Beef: 2

Endometritis



PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average		1.0 (1)			1.5 (2)	3.0 (1)		2.2 (5)	

Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef		1.0 (1)						1.0 (1)	
Dairy					1.5 (2)	3.0 (1)		2.5 (4)	

Gauteng

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 1

Free State

Clocolan, Clocolan Dierekliniek

Dairy: 1

Senekal, Senekal Dierekliniek

Dairy: 2

Kwazulu-Natal

Howick, Howick Veterinary Clinic

Dairy: 3

Western Cape

Heidelberg (WC), Heidelberg Dierekliniek

Dairy: 2

Malmesbury, Malmesbury Dierehospitaal

Dairy: 3

Riversdale, Riversdal Dierekliniek

Beef: 1, Dairy: 2

Swellendam, Swellendam Dierehospitaal

Dairy: 3

Metritis



PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
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Average	1.0 (3)			3.0 (1)	1.8 (5)	3.0 (1)	2.5 (2)	2.0 (3)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef	1.0 (1)			3.0 (1)	2.0 (2)		2.0 (1)		
Dairy					2.0 (2)	3.0 (1)	3.0 (1)	2.0 (3)	
Sheep	1.0 (1)				1.0 (1)				
Goat	1.0 (1)								
Mpumalanga									
Balfour, Balfour Dierekliniek									
Beef: 1, Sheep: 1, Goat: 1									
North West									
Christiana, Christiana Dierehospitaal									
Beef: 3									
Free State									
Bloemfontein, Dr Stephan Wessels									
Beef: 2									
Clocolan, Clocolan Dierekliniek									
Dairy: 2									
Kroonstad, Kroonstad Dierehospitaal									
Beef: 2, Dairy: 2									
Ladybrand, Ladybrand									
Sheep: 1									
Kwazulu-Natal									
Howick, Howick Veterinary Clinic									
Dairy: 3									
Eastern Cape									
Aliwal North, Hertzogbrug Dierekliniek									
Beef: 2									
Kareedouw, Tenax Vet Clinic									
Dairy: 3									
80 cases of metritis									
Western Cape									
Malmesbury, Dr Otto Kriek									
Dairy: 1									
Malmesbury, Malmesbury Dierehospitaal									
Dairy: 3									
Swellendam, Swellendam Dierehospitaal									
Dairy: 2									
Poor conception									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average					2.0 (3)	3.0 (1)		2.8 (5)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef					2.0			3.0 (1)	

		(3)		
Dairy			3.0 (1)	3.0 (2)
Sheep				2.5 (2)

Free State				
Clocolan, Clocolan Dierekliniek				
Beef: 2				
Hoopstad, Hoopstad Dierekliniek				
Beef: 2				
Winburg, Winburg Dierekliniek				
Beef: 2				
Kwazulu-Natal				
Howick, Howick Veterinary Clinic				
Dairy: 3				
Western Cape				
Heidelberg (WC), Heidelberg Dierekliniek				
Sheep: 2				
Malmesbury, Malmesbury Dierehospitaal				
Beef: 3, Dairy: 3				
Swellendam, Swellendam Dierehospitaal				
Dairy: 3				
Vredenburg, Vredenburg Dierehospitaal				
Sheep: 3				
Poor conception due to drought				

Retained afterbirth									^
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PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (2)		1.0 (1)	2.0 (1)	1.3 (3)	2.0 (2)		1.8 (5)	

Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef	1.0 (1)		1.0 (1)	2.0 (1)	1.3 (3)	1.0 (1)		1.0 (2)	
Dairy						3.0 (1)		2.3 (3)	
Goat	1.0 (1)								

Mpumalanga				
Balfour, Balfour Dierekliniek				
Beef: 1, Goat: 1				
Limpopo				
Polokwane, Pietersburg Veterinary Clinic				
Beef: 1				
North West				
Christiana, Christiana Dierehospitaal				
Beef: 2				
Free State				
Ficksburg, Oosvrystaat Diere Produkte				
Beef: 1				
Ladybrand, Ladybrand				
Beef: 1				
Winburg, Winburg Dierekliniek				
Beef: 2				
Kwazulu-Natal				
Howick, Howick Veterinary Clinic				

Dairy: 3									
Newcastle, Ncanduvet Newcastle									
Beef: 1									
Western Cape									
Malmesbury, Dr Otto Kriek									
Dairy: 1									
Malmesbury, Malmesbury Dierehospitaal									
Dairy: 3									
Riversdale, Riversdal Dierekliniek									
Beef: 1									
Stellenbosch, Stellenbosch Animal Hospital									
Beef: 1									
Swellendam, Swellendam Dierehospitaal									
Dairy: 3									
Sheath Prolaps									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average					1.3 (4)	1.0 (1)			1.0 (1)
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef					1.3 (4)	1.0 (1)			1.0 (1)
Free State									
Ficksburg, Oosvrystaat Diere Produkte									
Beef: 1									
Hoopstad, Hoopstad Dierekliniek									
Beef: 1									
Kroonstad, Kroonstad Dierehospitaal									
Beef: 1									
Ladybrand, Ladybrand									
Beef: 2									
Kwazulu-Natal									
Mtubatuba, Mtubatuba Animal Clinic									
Beef: 1									
Northern Cape									
Postmasburg, Postmasburg Dierekliniek									
Beef: 1									
Uterus prolaps									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average		1.0 (1)			1.8 (10)			2.0 (1)	1.0 (1)
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef					1.9 (8)				1.0 (1)
Dairy					1.0			2.0 (1)	

			(1)	
Sheep	1.0 (1)		2.0 (1)	

Gauteng

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Sheep: 1

Free State

Clocolan, Clocolan Dierekliniek

Beef: 2

Ficksburg, Oosvrystaat Diere Produkte

Beef: 2

Frankfort, Frankfort Dierekliniek

Beef: 2, Sheep: 2

Kroonstad, Kroonstad Dierehospitaal

Beef: 2

Ladybrand, Ladybrand

Beef: 1

Reitz, Froneman Veterinary Practice

Beef: 2

Senekal, Senekal Dierekliniek

Beef: 2, Dairy: 1

Winburg, Winburg Dierekliniek

Beef: 2

Western Cape

Swellendam, Swellendam Dierehospitaal

Dairy: 2

Northern Cape

Postmasburg, Postmasburg Dierekliniek

Beef: 1

Vaginal (Cervical) prolaps



PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (1)	1.0 (2)			1.8 (8)	1.5 (2)		1.0 (1)	

Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef		1.0 (1)			1.5 (6)	1.5 (2)		1.0 (1)	
Sheep	2.0 (1)	1.0 (1)			2.5 (2)				

Mpumalanga

Volkstrust, Cape Cross Volkstrust Dierehospitaal

Sheep: 2

Gauteng

Bronkhorstspuit, Kerkstraat Dierekliniek

Beef: 1

Hammanskraal, Themba Animal Clinic

Sheep: 1

Free State

Clocolan, Clocolan Dierekliniek

Beef: 1

Ficksburg, Oosvrystaat Diere Produkte

Beef: 2									
Frankfort, Frankfort Dierekliniek									
Beef: 2									
Hoopstad, Hoopstad Dierekliniek									
Sheep: 3									
Kroonstad, Kroonstad Dierehospitaal									
Sheep: 2									
Ladybrand, Ladybrand									
Beef: 1									
Senekal, Senekal Dierekliniek									
Beef: 1									
Winburg, Winburg Dierekliniek									
Beef: 2									
Kwazulu-Natal									
Dundee, Endumeni Herd health									
Beef: 2									
Mtubatuba, Mtubatuba Animal Clinic									
Beef: 1									
Western Cape									
Swellendam, Swellendam Dierehospitaal									
Beef: 1									
Climatical Cause									
Drought									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average		2.0 (1)			3.0 (1)		2.0 (5)	3.0 (3)	2.0 (3)
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef		2.0 (1)			3.0 (1)		2.0 (1)		2.0 (1)
Dairy							2.0 (1)		
Sheep							2.0 (1)	3.0 (3)	2.0 (1)
Goat							2.0 (2)		2.0 (1)
Gauteng									
Hammanskraal, Themba Animal Clinic									
Beef: 2									
Free State									
Trompsburg, Dr. Wyn Irwin									
Beef: 3									
Eastern Cape									
Graaff-Reinet, Camdeboo Veterinary Clinic									
Goat: 2									
Witelsbos, Witelsbos Veterinary Consulting Rooms									
Beef: 2, Dairy: 2, Sheep: 2, Goat: 2									
Western Cape									
Piketberg, Piketberg Dierehospitaal									
Sheep: 3									
Vredenburg, Vredenburg Dierehospitaal									
Sheep: 3									
Wellington, Wellington Dierehospitaal									
Sheep: 3									

Northern Cape**Postmasburg, Postmasburg Dierekliniek**

Beef: 2, Sheep: 2, Goat: 2

Heat stress

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average					2.0 (3)			2.8 (4)	

Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef					2.0 (1)			3.0 (1)	
Dairy					2.0 (1)			2.5 (2)	
Sheep					2.0 (1)			3.0 (1)	

Free State**Clocolan, Clocolan Dierekliniek**

Beef: 2, Dairy: 2, Sheep: 2

Western Cape**Malmesbury, Dr Otto Kriek**

Dairy: 2

All cows should have adequate shade. Cows with mastitis, foot problems, close-up cows and fresh cows often get neglected in terms of providing shade. Direct and indirect losses incurred by this practice are huge.

Malmesbury, Malmesbury Dierehospitaal

Beef: 3, Dairy: 3, Sheep: 3

Lightning

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.5 (2)				2.1 (11)	2.5 (2)	1.0 (1)		2.0 (1)

Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef	1.5 (2)				2.0 (9)	2.5 (2)	1.0 (1)		2.0 (1)
Sheep					2.5 (2)				

Mpumalanga**Balfour, Balfour Dierekliniek**

Beef: 1

Volksrust, Cape Cross Volksrust Dierehospitaal

Beef: 2

Free State**Bloemfontein, Dr Stephan Wessels**

Beef: 1

Clocolan, Clocolan Dierekliniek

Beef: 2

Hoopstad, Hoopstad Dierekliniek

Beef: 2

Kroonstad, Kroonstad Dierehospitaal

Beef: 2

Memel, Memel Veterinary Clinic

Beef: 2, Sheep: 2

Parys, Parys Dierehospitaal

Beef: 2

Reitz, Riemland Dierehospitaal

Beef: 2

Vrede, Vrede Dierehospitaal

Beef: 3, Sheep: 3

Winburg, Winburg Dierekliniek

Beef: 2

Kwazulu-Natal**Dundee, Endumeni Herd health**

Beef: 2

Newcastle, Ncanduvet Newcastle

Beef: 3

Eastern Cape**Aliwal North, Hertzogbrug Dierekliniek**

Beef: 1

Northern Cape**Kimberley, Kimberley Dierekliniek**

Beef: 2

Non specific diseases**Preditors**

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
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Average		1.0 (1)			2.3 (4)				
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Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef		1.0 (1)			2.0 (1)				
Sheep					2.3 (3)				

Gauteng**Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic**

Beef: 1

Dog bite wounds

Free State**Frankfort, Frankfort Dierekliniek**

Sheep: 3

Philippolis, Rowelsfontein veearts Spreekkamer

Sheep: 3

Reitz, Riemland Dierehospitaal

Sheep: 1

Winburg, Winburg Dierekliniek

Beef: 2

Sabotage - Theft

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	3.0 (1)				2.6 (8)	2.0 (1)			

Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef					2.4 (5)				
Dairy						2.0 (1)			
Sheep					3.0 (3)				
Goat	3.0 (1)								

Mpumalanga

Ermelo, Môregloed Veterinêre Spreekkamer

Goat: 3

Free State

Clocolan, Clocolan Dierekliniek

Beef: 3, Sheep: 3

Frankfort, Frankfort Dierekliniek

Beef: 3, Sheep: 3

Reitz, Riemland Dierehospitaal

Beef: 2

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2, Sheep: 3

Winburg, Winburg Dierekliniek

Beef: 2

Kwazulu-Natal

Howick, Howick Veterinary Clinic

Dairy: 2

Trauma



PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average		1.5 (2)							

Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef		2.0 (1)							
Goat		1.0 (1)							

Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 2, Goat: 1