

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

May 2020

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

These reports include data from individual practices

Click on Disease Reports

The following practices and laboratories (148) submitted reports during May 2020:

Mpumalanga (13)

Balfour – Dr. Louis van Jaarsveld
Bethal – Dr. Hardus Pieters
Ermelo – Dr. Ben Potgieter
Grootvlei – Dr. Neels van Wyk
Hendrina – Dr. Anja Steinberg
Lydenburg – Dr. Marietjie Malan
Lydenburg – Drs. Trümpelmann and Steyn
Malalane – Drs. Van Sittert and Van Sittert
Middelburg – Dr. Neil Fourie
Nelspruit – Dr. André Beytel
Piet Retief - Drs. Niebuhr and Weber
Standerton – Dr. Kobie Kroon
Volkstrust – Dr. Johan Blaauw

Gauteng (12)

Bapsfontein – Drs. Olivier, Engelbrecht and Nagel
Bronkhorstspuit – Dr. De Bruin, De Bruin and Labuschagne
Hammanskraal – Dr. Hentie Engelbrecht
Krugersdorp – Dr. Danie Odendaal
Magaliesburg – Dr. Ryan Jeffery
Muldersdrift – Drs. Speedy and Enslin
Nigel – Dr. Cindy van der Westhuizen
Nigel – Dr. Henry Labuschagne

Onderstepoort Veterinary Academic Hospital – Prof. Holm, and Drs. Fitte, Grobler, Hentzen, Koeppele, Leask, Magadu, Magagula, Marufu, Mokoele, O’Dell, Tagwirreyi, Tshuma, Van den Hurk and Van der Leek

Pretoria – Dr. Hanneke Pienaar

Rayton -Dr. Frans Malan

Vanderbijlpark – Dr. Kobus Kok

Limpopo (5)

Bela-Bela – Dr. Nele Sabbe

Mokopane (Potgietersrus)- Dr. Henk Visser

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

Tzaneen – Dr. Danie Odendaal

Vaalwater – Dr. Hampie van Staden

North West (17)

Beestekraal – Dr. Alwyn Venter

Bloemhof – Dr. Cizelle Naudé

Brits – Dr. Boshoff and Coertze

Brits – Dr. Gerhardus Scheepers

Christiana – Dr. Pieter Nel

Klerksdorp/Coligny/Fochville/Hartebeesfontein/Ottosdal/Potchefstroom – Drs. Van den Berg, Van den Berg, Geral and Greyling

Leeudoringstad – Dr. Ian Jonker

Lichtenburg – Dr. Nelmarie-Krüger-Rall

Ottosdal – Dr. Sharnelle Pretorius

Potchefstroom – Dr. Martin Ferreira

Potchefstroom – Dr. Martin Jordaan

Rustenburg – Drs. Goosen, Grobler, Sparks, Van Egdom, Van Rensburg and Van Rooyen

Schweizer-Reneke – Dr. Pieter Venter

Stella - Dr. Magdaleen Vosser

Ventersdorp/ Koster –Drs. Benadé and Van der Merwe

Vryburg – Dr. Jurie Kritzing

Vryburg – Drs. De Jager and Rautenbach

Free State (28)

Bethlehem – Dr. J.C. du Plessis

Bloemfontein – Dr. Lizanne Meiring

Bothaville – Dr. Gerrie Kemp

Bultfontein – Dr. Santjie Pieterse

Clocolan – Drs. Wasserman and Kleynhans

Dewetsdorp – Dr. Marike Badenhorst

Excelsior/Ladybrand – Dr. Dedré Nel
Ficksburg – Dr. Woody Kotzé
Frankfort – Drs. Lesssing, Cilliers and Janse van Rensburg
Hoopstad – Dr. Kobus Pretorius
Hoopstad – Dr. Cassie van der Walt
Kroonstad – Drs. Daffue, Eksteen, Van Zyl and Van der Walt
Memel – Drs. Nixon and Nixon
Oranjeville - Dr. D’Wall Hauptfleisch
Parys – Drs. Wessels and Wessels
Philippolis – Dr. Stephan van Niekerk
Reitz – Dr. Murray Smith
Senekal – Dr. Jan Blignaut
Senekal – Dr. Theo Kotze
Smithfield – Dr. Nienke van Hasselt
Viljoenskroon – Dr. Johan Kahts
Villiers – Drs. Hattingh, Krüger, Maree and Muller
Vrede – Drs. Bester-Cloete, Myburgh and Roos
Vrede – Dr. Rudolph Fourie
Warden – Dr. Paul Reynolds
Wesselsbron – Dr. Johan Jacobs
Winburg – Drs. Albertyn and Albertyn
Zastron – Drs. Troskie and Strauss

KwaZulu-Natal (13)

Bergville – Dr. Jubie Muller
Bergville – Ariena Shepherd
Camperdown – Dr. Anthony van Tonder
Dundee – Drs. Marais and Fynn
Eshowe – Drs. Pryke and Hoffman
Estcourt – Drs. Turner, Tedder, Taylor, Tratschler, Van Rooyen and Alwar
Kokstad – Drs. Clowes, Shrives and Lees
Mooi River – Drs. Edmunds, Fowler and Still
Mtubatuba – Dr. Trevor Viljoen
Pietermaritzburg – Dr. Philip Kretzman
Pongola – Dr. Heinz Kohrs
Underberg - Drs. King, Delaney and Huysamen
Vryheid – Drs. Theron and Theron

Eastern Cape (18)

Adelaide – Dr. Steve Cockroft
Alexandria – Dr. Charlene Boy
Alexandria – Dr. Johan Olivier

Aliwal North – Drs. Troskie and Strauss
Bathurst – Dr. Jane Pistorius
Cradock – Dr. Frans Erasmus
Elliot – Drs. Clowes, Shrives and Lees
Graaff- Reinet - Dr. Roland Larson
Graaff-Reinet – Hobson, Strydom and Hennesy
Humansdorp – Drs. Van Niekerk, Jansen van Vuuren and Davis
Jeffreys Bay - Drs. Lategan and Hoek
Port Alfred – drs. De Bruyn and Jonk
Queenstown – Drs. Du Preez, Kloppe, De Klerk, Catherine en Wentzel
Queenstown – Dr. Mike Solomon
Steynsburg – Dr. Johan van Rooyen
Stutterheim – Dr Dave Watermann
Uitenhage – Drs. Mulder and Krüger
Witelsbos – Dr. Elmien Kotze

Western Cape (23)

Beaufort West - Dr. Jaco Pienaar
Beaufort West – Dr. Bennie Grobler
Caledon – Drs. Louw and Viljoen
Caledon – Drs. Drs. Retief, Coetzer and Jansen
Ceres – Drs. Pieterse, Wium, De Villiers and Scheepers
Darling – Drs. Van der Merwe, Adam, Jenkins and Lord
George – Drs. Strydom, Truter and Pettifer
George – Dr. Riaan Putter
Heidelberg – Dr. Albert van Zyl
Malmesbury – Dr. Otto Kriek
Malmesbury – Drs. Bosman and Groenewald
Malmesbury – Dr. Andries Lesch
Oudtshoorn – Dr. Glen Carlisle
Oudtshoorn – Dr. Adriaan Olivier
Paarl/Wellington – Dr. William van Zyl
Paarl – Dr. Carla van der Merwe
Piketberg – Dr. André van der Merwe
Plettenberg Bay – Dr. André Reitz
Stellenbosch – Dr. Alfred Kidd
Swellendam – Drs. Malan and Fourie
Tulbagh/Ceres – Drs. Hamman, Wilson and Triegaardt
Vredenburg – Dr. Izak Rust
Worcester – Dr. Kobus Rabe

Northern Cape (9)

Calvinia – Dr. Bertus Nel
Colesberg – Drs. Rous and Rous
De Aar – Dr. Donald Anderson
Kathu – Dr. Jan Vorster
Kimberley – Drs. Swart, Smith and Hyslop
Kimberley – Drs. Van de Wateren and Van de Wateren
Kimberley – State Veterinarian Group
Kuruman – Dr. Gerhard van der Westhuizen
Upington – Drs. Vorster and Visser

Feedlots (2)

Dr. Eben Du Preez
Dr. Shaun Morris

Mastitis consultant (1)

Dr. Theo Kotzé – Moqhaka district (Kroonstad municipality)

Laboratory reports (7)

Dr. Marijke Henton - Vetdiagnostix, Johannesburg
Dr. Rick Last – Vetdiagnostix, Pietermaritzburg
Dr. Liza du Plessis – Idexx SA – Johannesburg
Dr. Annelie Cloete – Elsenburg
Dr. Sophette Gers – Pathcare, Cape Town
Dr. Mark Chimes – Dairy Standards, George
Amanda McKenzie – Vryburg Veterinary Laboratory

Livestock identification and traceability is the basis for controlling diseases such as foot and mouth disease and bovine brucellosis

The following information is available on the world wide web regarding ICAR (www.icar.org)

The International Committee for Animal Recording (ICAR) is an International Non-Governmental Organisation (INGO) which was formed on March 9th, 1951, in Rome. Presently it is composed of 115 Members from 57 countries. ICAR now strives to be the leading global provider of Guidelines, Standards and Certification for animal identification, animal recording and animal evaluation. ICAR wants to improve the profitability, and sustainability of farm animal production by:

- Establishing and maintaining guidelines and standards for best practice in all aspects of animal identification and recording.
- Certifying equipment, and processes used in animal identification, recording and genetic evaluations.
- Stimulating and leading: continuous improvement, innovation, research, knowledge development, and knowledge exchange.

- Providing services essential to achieving international collaboration in key aspects of animal recording and animal breeding.

AIMS AND OBJECTIVES

The aims of ICAR are to promote the development and improvement of animal identification, performance recording and evaluation in farm animal production.

Such objectives are achieved through the establishment of definitions and guidelines for measuring characteristics of economic importance.

The aim of ICAR is to promote the development and improvement of the activities of identification, performance recording and the evaluation of farm livestock. We achieve this through the following:

1. ICAR establishes rules and standards, specific for the purpose of
 - identifying animals, the registration of their parentage, recording their performance, evaluating their genetics, and publication of such.
 - identifying characteristics of production systems and their bearing on animal health, care, productivity, food safety and the environment.
2. Promoting discussion and collaboration in all activities having to do with animal performance recording and evaluation and recording and evaluation of characteristics of production systems within and among international organisations, public authorities and industry.
3. Encouraging the use of animal records for the purpose of assessing the value of animals and farm management systems, given that both aspects have a bearing on the profitability of animal production.
4. ICAR provides a platform for cooperation and collaboration in all activities related to animal performance recording and evaluation within and among international organisations, public authorities and industry service providers.
5. It encourages the use of performance recording data for the purpose of assessing the value on the profitability of animal production.
6. It facilitates the interpretation of findings at the practical level by publishing reports showing the results obtained through the application of performance recording and evaluation methods.

Section 10 - Guidelines for Testing and Certification of Animal Identification Devices Section 10 Identification Device Certification Version October, 2017

<https://www.icar.org/Guidelines/10-Identification-Device-Certification.pdf>

1 Background

1.1 Foreword

This section provides a general introduction to the principles and procedures developed for testing and certification of animal identification devices by ICAR.

On June 22, 2007 ISO appointed ICAR as the Registration Authority (RA) competent to

register manufacturer codes used in the radio frequency identification (RFID) of animals in accordance with ISO 11784 and ISO 11785.

ICAR has administrative procedures in place for testing the conformance of RFID devices in respect to ISO 11784 and ISO 11785.

Only those results emanating from accredited and RA approved test centres are recognized. In addition, ICAR offers evaluations on various quality and performance features of those same devices subjected to the ICAR conformance test and these evaluations are also available for conventional plastic eartags.

1.2 Test categories

Testing of identification devices can be subdivided into three main categories.

1.2.1 RFID Conformance test (ISO 24631-1)

Conformance testing is required to demonstrate electronic transponders meet the specifications and standards in ISO 11784 and ISO 11785. The submission of identification devices to conformance testing is obligatory before they can be used in the official identification of animals.

Conformance tests are coordinated by Service-ICAR. Acting as the Registration Authority (RA) on behalf of ISO, ICAR issues a Certificate of Conformance for RFID devices conforming with ISO 11784 and ISO 11785.

1.2.2 RFID Performance test (ISO 24631-3)

Performance testing is an evaluation of the following characteristics of an RFID device: modulation amplitude, bit length stability, minimum activation field strength resonance frequency and amplitude voltage response (Vss). These RFID performance test results are not subject to pass or fail criteria but provide useful additional information on device behaviour when communicating with a reader. Acting as the Registration Authority (RA) on behalf of ISO, ICAR evaluates RFID devices through the RFID performance test and issues an evaluation report to the submitting manufacturer accordingly.

1.2.3 Device Composition and Environmental Performance test (ICAR)

ICAR offers a device composition and environmental performance test for both conventional plastic and RFID external devices. The objective of these tests is to give extensive information on device durability and performance in diverse animal management conditions. Procedures will vary depending on the device type. ICAR issues an evaluation report and ICAR certificate for devices in accordance with the specifications of the respective ICAR standards described in sections 4 and 5.

Visit <https://www.icar.org/Guidelines/10-Identification-Device-Certification.pdf> for details regarding certification of devices

Agricultural Produce Agents Council (APAC)

The Act and the Rules

The Agricultural Produce Agents Council was established by Section 2 of the Agricultural Produce Agents Act (Act 12 of 1992), as amended by the Agricultural Produce Agents Amendment Act, No. 47 of 2003.

The Rules in respect of Fresh Produce Agents, Export Agents and Livestock Agents are issued in terms of Section 10 of the Agricultural Produce Agents Act, Act 12 of 1992.

<https://www.apacweb.org.za/legislation>

New rules have been drawn up and when becoming available will be forwarded to the public.

BIOSECURITY

Biosecurity should not be just a word but should be an action. All of us (producer organizations, farmers and their employees, politicians, veterinarians, co-op personnel, representatives, auctioneers, agricultural writers and inhabitants of the Republic of South Africa) should be protecting our national herd becoming infected with organisms which could harm them and the people consuming products of animal origin.

We have been talking and writing, participating in TV and radio programmes, farmer's days and meetings on brucellosis, foot and mouth disease, Rift Valley fever, trichomonosis, Asiatic red water, cryptosporidiosis, *E. coli*, snotsiekte, rabies, fear of East Coast fever, sheep scab, ram's disease, listeriosis, tuberculosis, African swine fever, bird flu to name a few important diseases that we were confronted with during the last year or two. Stock theft and farm murders are on the increase. Water sources are polluted. Welfare issues were problematic.

Farmers had been hit by export restrictions, falling of meat prices and production losses – when will we ever learn to protect our investments with all our might!

We are not doing what we should! Identifying our animals, controlling movement, vaccinating our animals and demanding vendor declarations when buying animals - Buyer beware!

As was recently experienced, an auction could be the most dangerous place to buy animals if biosecurity measures are not heeded. All animals should be branded with a registered brand mark and or tattoo, health certificates in place and seller's home address (not post box number, should be available. Take note that foot and mouth disease, bovine brucellosis, tuberculosis, Johne's disease, trichomonosis, vibriosis, sheep scab (to name a few diseases) and parasites resistant to certain antiparasitics are

herd and flock diseases! Contact your veterinarian to assess your risk bringing in animals onto your farming unit. As an additional precaution, quarantine animals for at least 28 days.

All is not doom and gloom – many farmers, although in the minority, are doing the correct thing. Following a closed herd policy, identifying their animals, testing their animals for brucellosis, movement control, animals that are bought and showed are quarantined before introducing them into the herd. Joint action by government and private sector during disease outbreaks through the National Animal Health Forum proved to be successful.

Our main goal now, should be to get a Livestock Identification and Traceability System (LITS) in place. This will enable us to establish certain disease-free compartments and help to contain an outbreak within a short time period.

In unity lies our strength – join your producer organization!!

What to do to be prepared for future outbreaks

Get a traceability system in place

Biosecurity guidelines

<http://nahf.co.za/wp-content/uploads/FMD-Basic-Biosecurity-Guidelines-2019-11-19-Ver-3-1.pdf>

1. During a FMD outbreak it is the producer's responsibility to keep their animals from getting infected.
2. Although FMD does not pose a food safety or public health concern it has a major impact on animal health and international trade.
3. Each commercial farm should appoint a biosecurity manager.
4. A written biosecurity plan is a basic requirement.
5. Development of a plan must be done by the biosecurity manager with assistance from a veterinarian.
6. The biosecurity plan must include a line of separation/demarcation of the biosecurity area.
7. Training:
 - a. Train all personnel in biosecurity principles at least annually.
8. Access:
 - a. Access points to the area must be identified and demarcated clearly.
 - b. Loading site must be identified away from animals.
 - c. A cleaning and disinfection station needs to be made available and should be away from any animals and an SOP for cleaning of all vehicles entering the biosecurity area must be adhered to.
 - d. Parking areas away from animal areas must be provided.
 - e. Vehicle movement pathways must be mapped.

- f. Draw up a map demarcating all these areas.
 - g. The control boundary should always be respected and identified to all personnel.
 - h. No access of vehicles or personnel to the biosecure area unless via proper decontamination protocols. People with any suspected contact with infected animals (or having been in an affected area) should stay away from “clean animals for at least a week.
 - i. Access points should be respected, well demarcated and procedures of access described. Biosecurity Guidelines-FMD 2019-11-19 2
 - j. Animals arriving on the farm should only be directly from a guaranteed healthy herd accompanied by signed and dated veterinary health certificates.
 - k. Personnel entering the biosecure area should shower and change clothing before entering the area.
 - l. Logbooks of all persons, vehicles, equipment etc entering or leaving the biosecure area should be kept.
 - m. No entry of persons, vehicles or products should be allowed if not expressly permitted by the biosecurity officer.
 - n. Feed brought into the biosecure area should only be from sources determined by the biosecurity manager.
 - o. For further information go to www.securebeef.org
9. Quarantine:
- a. For extra security cattle should be quarantined at least 100 meters for 21 days away from the herd.
 - b. There will be absolutely no contact with the herd either directly or indirectly.
 - c. They should only be introduced after clinical (and preferably serological) evaluation.

It is now the time that we take ownership of our own industry!!!!!!!

The basis of Disease Control is Animal Identification and Traceability

Visit: <https://www.icar.org/index.php/certifications/animal-identification-certifications/>

Summary of disease report for May 2020

148 Reports from veterinary practices and laboratories were received (Mpumalanga (MP) 13; Gauteng (G) 12; Limpopo (L) 5; Northwest (NW) 17; Free State (FS) 28; KwaZulu-Natal (KZN) 13; Eastern Cape (EC)

18; Western Cape (WC) 23; Northern Cape (NC) 9; Feedlots (FL) 2; Mastitis consultant (MC) 1 and Laboratories (Lab) 7)

A list of diseases and conditions reported by veterinarians in 5 or more provinces

Disease or condition	Number of provinces reporting
Wireworm (internal parasite, <i>Haemonchus contortus</i>)	9
Eye infections	9
Lung infections	9
Dystocia	9
Coccidiosis	8
Blue ticks	8
Anaplasmosis	8
Pulpy kidney	8
BMC (snotsiekte)	8
Orf (vuilbek)	8
Warts	8
Ringworm	8
Protein deficiency	8
Abscesses	8
Lameness/foot problems	8
Mastitis	8
Roundworms	7

Liver fluke	7
African red water	7
Blue tongue	7
Energy deficiency	7
Abortions	7
Poor conception	7
Uterine prolaps	7
Trauma	7
Cryptosporidiosis	6
Bont-legged ticks	6
Asiatic red water	6
Heartwater	6
Blackquarter	6
Bloodgut	6
<i>E. coli</i>	6
Pasteurellosis	6
Diarrhoea	6
Eye cancer	6
Joint ill	6
Acidosis	6
Resistant roundworms	5
Tapeworms	5

Brown ear-ticks	5
Lumpy skin disease	5
Trichomonosis	5
Vibriosis	5
<i>Lantana</i> poisoning	5
Phosphate deficiency	5
Bloat	5
Downer animals	5
Milk fever	5
Vaginal prolaps	5

Bovine Brucellosis

Although we have made positive steps in controlling Bovine brucellosis, the model disease stated in the Veterinary Strategy, we as a country is far from achieving our goal!

If farmers will just comply by vaccinating their animals against brucellosis, according to law, the incidence of brucellosis will drop dramatically as shedding of bacteria will drop!

Many farmers are still shrugging their shoulders and saying: “Why should I test my animals as it will only cost me money and what if there are positive animals? My farm will be placed under quarantine, so I am not going to test my animals!”

Dr. Trudie Prinsloo a veterinarian and legal advisor has compiled legal aspects regarding brucellosis control and it is VERY IMPORTANT that you should avail yourself with the content of this document.

It is available in English and Afrikaans.

<http://nahf.co.za/brucellosis-legal-aspects-2018-12-11/>

When buying cattle 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

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

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. | <table border="1"><tr><td>YES</td><td>NO</td></tr></table> | YES | NO |
| YES | NO | | |
| 2. The sheep for sale are clearly identified in the accompanying description. | <table border="1"><tr><td>YES</td><td>NO</td></tr></table> | YES | NO |
| YES | NO | | |
| 3. The sheep for sale were born on my farm. | <table border="1"><tr><td>YES</td><td>NO</td></tr></table> | YES | NO |
| YES | NO | | |
| 4. The farm has a closed flock policy. (No live sheep are brought onto the farm from elsewhere) | <table border="1"><tr><td>YES</td><td>NO</td></tr></table> | YES | NO |
| 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. | <table border="1"><tr><td>YES</td><td>NO</td></tr></table> | YES | NO |
| YES | NO | | |
| 6. I have actively looked for Ovine Johne's Disease and have had tests done for this. | <table border="1"><tr><td>YES</td><td>NO</td></tr></table> | YES | NO |
| 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. | <table border="1"><tr><td>YES</td><td>NO</td></tr></table> | YES | NO |
| 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. | <table border="1"><tr><td>YES</td><td>NO</td></tr></table> | YES | NO |
| YES | NO | | |
| 9. All lambs born are vaccinated | <table border="1"><tr><td>YES</td><td>NO</td></tr></table> | YES | NO |
| YES | NO | | |
| 10. If vaccinated, the number of years that the vaccinations have been done is | <table border="1"><tr><td></td><td>years</td></tr></table> | | years |
| | 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
UNIVERSITÉIT VAN PRETORIA



RUVASA
Council of Ruminant Producers of South Africa



SOP for the control of Bovine Brucellosis

Audit date: _____

Authorised person: _____

		Y/N	Comment
1	Fences and gates in good condition		
2	Gate control - log in		
3	Disinfection of vehicles coming onto the farm		
4	Protective clothing and boots given to people visiting the farm (cattle area) coming from high risk areas eg. veterinarians, nutritionists, representatives, truck drivers, workers, etc.		
5	Sterilizing equipment coming in contact with cattle		
6	Run off water/ streams from neighbouring farms		
7	All animals identified with a brand mark and ear tag		
8	Data base of all animals		
9	Closed herd		
10	When last were animals bought in or moved from another farm?		
11	Only buy in animals from a farm which has a recent negative tested brucellosis herd certificate		
12	Origin(s) of acquired cattle? Bought at an auction?		
13	Keep heifers separate from herd until they have calved and tested negative for brucellosis		
14	Quarantine camp available		
15	Separate calving camps		
16	Were all heifers vaccinated between 4 and 8 months vaccinated with Strain 19 or RB51?		
17	Any cattle vaccinated with Strain 19 over 8 months of age? History over last few years.		
18	Were there any abortions on the farm – samples taken, diagnosis?		
19	All sexually mature cattle in herd tested for bovine brucellosis (provide proof)		

20	Bovine brucellosis is a State controlled disease. Positive cattle are branded with a C on the right side of the neck.		
21	Isolation of infected animals & separate handling facilities		
22	Prohibition of movement of animals off quarantined property except under cover of a Red cross permit for slaughter at an abattoir		
23	Prohibition of use and on-farm disposal of unboiled, unpasteurised or unsterilised milk on quarantined property		
24	Disinfection of places where infection is a possibility.		
25	Neighbours/ recent buyers informed of infected herd status		
26	Fly, crow and predator control		
27	Destruction of afterbirths/abortions in a responsible manner		
28	Beware of livestock, game interface		

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 (Foot and Mouth Disease, 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

[Kundiges](#)

[Vra vir Faffa](#)

[Lees alle antwoorde](#)

[Beeste](#)

[Siektes](#)

[Brusellose](#)

The following can be typed in the "Soekblokkie"

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

Teenliggaamwaardes 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 brucellose in 'n beeskudde

Boerderypraktyke wat die gevaar van die voorkoms van brucellose verhoog

Pak brucellose by die horings

Brucellose kan jou lewe verwoes

Brucellose in wild

Bestuur van positiewe besmetlike misgeboorte beeste

Aankoop van beeste wat besmetlike misgeboorte het

Antwoorde oor brucellose

Behandeling van besmetlike misgeboorte

Besmetlike misgeboorte uitbreek in 'n kudde

Gevaar van brucellose onderskat

RB51-inenting teen brucellose 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

Farm gates, Fences and Foresight, the 3 F's!

Bear this in mind as this is where most disease-causing organisms enter or exit farms!

Major examples are: Foot and mouth disease, brucellosis, Johne's disease, TB, cryptosporidiosis, trichomonosis, vibriosis, sheep scab, resistant parasites such as red lice, blue ticks and internal parasites (Buyer beware programmes).

Insist on VENDOR'S DECLARATIONS when buying animals.

Quarantine

Immunization programmes

Speak to your veterinarian

Abide the law- vaccinate cattle against anthrax and heifers against brucellosis!

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	
Resistant roundworms				x	x	x	x	x	
Wireworm	x	x	x	x	x	x	x	x	x
Brown stomach-worm							x	x	
Long-necked bankruptworm									
White bankruptworm									
Large-mouthed bowelworm									
Nodularworm				x					
Lungworm									
Eyeworm					x				
<i>Parafilaria</i>		x	x			x			x
Tapeworms	x	x			x		x	x	
Liver fluke	x	x		x	x	x	x	x	
Conical fluke	x				x	x			

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

Many deaths due to wireworm infestations have been reported from many areas in the summer rainfall area. Young and pregnant animals are the most vulnerable!

I asked Dr. Gretha Snyman from Grootfontein to send me an update on the selection of sheep for resistance

Research on resistance to wireworm in sheep

Research in this regard has been done by Dr Alan Fisher and Grootfontein on the Wauldy Dohne Merino flock since 2011.

Data on faecal egg counts (FEC), Famacha[®] score (FAM) and body condition score (BCS) were collected annually on all lambs. FEC, FAM and BCS of all lambs were recorded from the middle of January onwards. FAM was recorded weekly and FEC and BCS every 14 days until the end of June when *Haemonchus* challenge had decreased. Lambs were only drenched when they had a FAM of 2.5 or more, in conjunction with a BCS of less than 1.5. Any lamb that was drenched was recorded as “Dosed” and those lambs that did not require any drenching as “Not dosed”. Replacement rams and ewes were selected from the animals that did not need dosing on the basis of a selection index incorporating FEC, FAM and BCS.

During the first year of the trial, 33% of the ram lambs and 45% of the ewe lambs were not dosed. These percentages increased annually until 77% of the ram lambs and 82% of the ewe lambs did not need any drenching in 2016. One of the most significant results of the trial to date was the increase in percentage offspring of the sires that did not need drenching. The best performing sire used during 2011 had 53% lambs that did not need drenching, while 74% lambs of the poorest sire needed anthelmintic treatment. In 2016, the best performing sire had 97% lambs that did not need drenching, while 37% lambs of the poorest sire needed anthelmintic treatment.

Genetic parameters for the resistance traits were estimated and these results were used to develop protocols for selection for resistance to *H. contortus* under South African conditions.

A preliminary genomic study showed genetic differences between sire lines, where animals in the most resistant lines had significantly more favourable breeding values for FEC. Currently a more comprehensive genomic study is underway which involves a search for markers or genes related to worm resistance.

The results of the study to date can be found in volumes 18, 19 and 20 (in press) of the Grootfontein Agric on <http://gadi.agric.za>.

Nodular worm infestation could cause huge problems! Farmers should be on the look out for nodules in the intestines of sheep at slaughter or animals dying for some or other reason! Contact your veterinarian immediately to discuss control measures!

Use the “five point” check in sheep to keep on top of what is happening in the flock. Check each animal slaughtered or that died for nodular worm infestation- whitish nodules can be seen in the small intestine. For further detail contact your local veterinarian. Treatment is but one of many actions in the holistic management approach to control internal parasites.

Make sure the dewormer you are using actually deworms your animal!

Wireworm infestation kills your animal. If the eye mucous membrane of the animal is white or pinkish, after treatment, within a week the mucous membrane HAVE to become reddish!!!!!!!!!!

The best is to do a faecal egg count reduction test (FECRT) – contact your veterinarian



Holistic internal
parasite management

<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

www.wormx.info

FAMACHA cards can be obtained through your veterinarian (famachasystem@gmail.com)

Serious problems due to diarrhoea in lambs and calves were received from many areas. In many instances *Cryptosporidium* and pathogenic strains of *E. coli* were involved. Consult your veterinarian for help!

https://www.google.co.za/search?hl=en&tbm=isch&source=hp&biw=1344&bih=608&ei=PyxyXOO7OcutkwXinK3oCA&q=cryptosporidium+parvum&oq=Cryptosporidium&gs_l=img.1.1.0l10.2885.9850..16402...0.0..0.708.5719.2-4j4j3j2j1.....0....1..gws-wiz-img.....0.o66yefU7Ric

Prevention of Cryptosporidiosis

Since there is no vaccine or registered treatment for *Cryptosporidium*, prevention is the best control method. Animals with a well-developed immune system will generally easily overcome *Cryptosporidium* thus this must be the main aim in controlling *Cryptosporidium*.

A consistent, vet approved and farm appropriate vaccination program for other diseases.

Ensure no nutritional deficiencies especially vitamin A and Selenium

Excellent bio-security

Ensure clean pathogen free water sources

Hygiene training of personnel

Consult your veterinarian

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		
Brown ear-ticks	x		x		x	x	x		
Bont-legged ticks	x	x		x	x	x	x		
Red-legged ticks	x			x	x	x			
Paralysis ticks					x		x		x
Tampans									
Biting lice					x			x	
Sucking lice					x			x	x
Fleas									
Itch mites	x							x	
Sheep scab					x				x

Mange mites	x				x				
Nuisance flies					x	x		x	
Midges						x			
Mosquitoes					x	x			
Blowflies				x	x			x	
Screw-worm									
Gedoeftia (uitpeuloogsiekte)									
Nasal bot	x				x			x	

Blue ticks (African and Asiatic blue ticks) are able to transmit red water, anaplasmosis and lumpy skin disease.

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, fipronil. Actives registered only for controlling blue ticks are: macrocyclic lactones, fluazuron (acaricide growth regulator).

Discuss your tick control programme with your veterinarian. Immature stages of multi-host ticks are prevalent in winter, especially in the ears. By treating cattle where brown ear-ticks are a problem, fewer adult ticks will be seen in summer!

Below is a list of diseases transmitted by ticks.

Start already now updating your management programme with the help of your veterinarian!

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	
Asiatic red water	x	x			x	x	x	x	
Anaplasmosis	x	x		x	x	x	x	x	x

Heartwater	X	X	X	X		X	X		
Lumpy skin disease				X	X	X		X	X
Corridor disease									
Theileriosis									

Asiatic red water is spreading and is one of the deadliest diseases in cattle.

Numerous mortalities were reported!

Analasmosis outbreaks were reported from all 9 provinces.

The keyword is **vaccinate** your animals! Contact your veterinarian.

Tick toxicosis

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

Insect transmittable diseases

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

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

Insect transmittable diseases is rife. Vaccines are available, the only reason why there were so many outbreaks of lumpy skin disease, blue tongue and three-day-stiff sickness could be that animals were not vaccinated or that the cold chain was broken!

Venerial diseases

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

Venereal diseases	MP	G	L	NW	FS	KZN	EC	WC	NC
Trichomonosis	x	x		x	x	x			x
Vibriosis	x	x		x	x				x
Pizzle disease				x	x			x	x
<i>Actinobacillus seminis</i> plus HPA					x				

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. Trichomonosis (6 provinces) and vibriosis were reported from 5 provinces.

Venerial disease is a HERD disease!

Make sure that fences are in tact and gates closed so that bulls cannot escape to neighbouring cows that may be infected with *Trichomonas* 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>

Consider Trichomonosis as an area disease, farmers should work together to keep areas free from diseases such as trichomonosis, brucellosis and sheep scab.

Bacterial diseases

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

Bacterial diseases	MP	G	L	NW	FS	KZN	EC	WC	NC
Anthrax									
Blackquarter	x	x		x	x	x			x
Clostridial disease									
Botulism				x			x	x	
Pulpy kidney	x	x		x	x	x	x	x	x
Lamb dysentery									
Swelled head		x			x	x			
Red gut (cattle)	x			x	x	x			
Blood gut (sheep)		x			x	x	x	x	x
Tetanus		x			x	x	x		
Salmonellosis									
<i>Klebsiella</i>								x	
Bovine brucellosis				x	x				x
<i>Brucella melitensis</i> (goats)									
Ovine brucellosis (Ram's disease)							x		
Bovine tuberculosis								x	
Johne's								x	
Leptospirosis									
Listeriosis									
<i>Pseudomonas</i>									
<i>Pasteurella multocida</i>									
Pasteurellosis (see pneumonia -lungs)				x	x	x	x	x	x
<i>Fusibacterium necrophorum</i>					x			x	

Septicaemia	x					x		x	x
<i>E. coli</i>	x			x	x	x		x	x
<i>Klebsiella</i>								x	
<i>Coxiella</i> (Q-fever)					x				
<i>Mycoplasma</i>									
Enzootic abortion		x						x	x
Lumpy wool (<i>Dermatophilus</i>)	x				x		x	x	
Bovine dermatophilosis (Senkobo disease)						x			
Uterine gangrene							x		x
Wooden tongue									
Lumpy jaw								x	
Interdigital dermatitis									

Multiclostridial vaccines should be used if blackquarter outbreaks still occur when only using a vaccine containing *Clostridium chauvoei*. Remember to give a booster vaccine when using an inactivate vaccine for the first time. **Read the packet insert!!** 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.

Enzootic abortion contributes to the disappearance of foetuses in sheep and goats scanned pregnant. **Vaccinate replacement ewes with the live vaccine before putting them to the ram!**

Pulpy kidney (*Clostridium perfringens* type D – *epsilon* toxin) is still the biggest killer of sheep. There are various factors that could lead to pulpy kidney such as: the intestinal tract stops functioning (stasis), sudden change from poor veld to lush artificial pastures; sudden change in diet; grazing of fodder crops such as lucerne, green wheat and green oats, diet high in protein, overeating of concentrates or fertile pastures, deworming and coccidiosis infection. Sudden changes in the weather and grazing in wilted pastures, may also play a predispositional role.

Be sure to vaccinate animals against botulism especially if chicken litter is going to be fed to animals.

Q-fever, a zoonosis, seems to be more prevalent, beware! An abortion storm in sheep should make farmers aware of Q-fever!

Challenging farmer's unions and study groups to eradicate brucellosis in their area!! Many success stories are received!

Ask for vendor's declarations before buying in animals and quarantine them before releasing them onto the farm!!!!

A positive heifer is a TROJAN HORSE!!! This latent carrier of brucellosis may only test positive after calving!!!!

PREVENTION IS BETTER AND CHEAPER THAN CURE!

Do not save yourself bankrupt!

Q-fever, enzootic abortion, brucellosis, are all zoonotic diseases and should be handled with utmost care!

Viral diseases

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

Viral diseases	MP	G	L	NW	FS	KZN	EC	WC	NC
BMC (snotsiekte)	x	x	x	x	x		x	x	x
Rabies (cattle)									
BVD		x			x	x			
IBR		x				x		x	
BRSV						x			
PI3						x			
Maedi visna virus									
Rotavirus					x			x	
Coronavirus					x			x	
Enzootic bovine leucosis (EBL)					x	x		x	

Sheep leucosis									
Jaagsiekte									
Orf	x	x		x	x	x	x	x	x
Warts	x	x		x	x	x	x	x	x
Herpes mammillitis - goats									

There is no treatment for viral diseases with the result that animals have to be protected by vaccinations if they are available.

Preventative vaccinations are the best way to protect animals against viruses and bacteria causing pneumonia.

Keep cattle and wildebeest well separated especially when wildebeest are under stress to prevent snotsiekte outbreaks! There is also a sheep associated form of the disease.

Snotsiekte was reported from 8 provinces!! Have a dialogue with your neighbour if wildebeest are in the area.

BMC is a notifiable disease and have to be reported to the State Veterinarian.

<http://nahf.co.za/controlled-and-notifiable-diseases/>

Discuss vaccination programmes and biosecurity measures with your veterinarian.

Orf is a zoonosis.

Fungal diseases

The following fungal disease was reported by practices in the provinces:

Fungal diseases	MP	G	L	NW	FS	KZN	EC	WC	NC
Ringworm	x	x	x	x	x	x		x	x

Protozoal diseases

Protozoal diseases	MP	G	L	NW	FS	KZN	EC	WC	NC
Besnoitiosis (olifantsvelsiekte)				x					

Toxicities

The following toxicities were reported by practices in the provinces:

[illegible]

<i>Gnidia burchelli</i> (Januariebos, besembossie, harpuisbos))								
<i>Gomphocarpus (Asclepias) fruticosus</i> (milkweed)								
<i>Heliotropium</i> (potato weed)								
Bracken fern								
January bush (<i>Gnidia polycephalatus</i>)								
Chinkerinchee								
Ceylons rose								
Datura							x	
<i>Sarcostemme viminale</i> (melktou, caustic bush)								
<i>Malva parviflora</i> (kiesieblaar)								
Bitou								
<i>Cotula nigellifolia</i> (Stagger weed, stootsiektebossie)								
Eucalyptus (bloekom) bark								
Kikuyu								
Ryegrass								
Grass staggers	x							
Lush pastures (Dikkop)								
<i>Lasiospermum</i> (Ganskweek)								
<i>Paspalum</i> staggers								
<i>Phalaris aquaticum</i> (Phalaris staggers)								
Photosensitivity (Turknael, <i>Erodium moschatum</i>)								

Ionophor									
Monensin									
Hypo									
Diazinon									
Glyphosate									
Chicken litter									
Medicated maize seed									

Beware when buying in animals or moving them into rested grazing camps as they are the animals which usually eat toxic plants such as tulip and ink berries (*Cestrum*).

Geeldikkop, due to sheep eating wilted duwweltjies have been reported.

Do have activated charcoal on the farm as the antidote for tulip poisoning! Dosage: 2 gram per Kg body weight, 1 Kg charcoal for 500kg animal. 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.

Every now and then goats die when they are injected in the neck area, rather inject them in the tail fold.

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	x	
Phosphate			x	x	x			x	x
Calcium					x	x	x	x	

Nutritional deficiencies were reported. It is important that ewes and cows receive sufficient supplementation so as to have optimal colostrum quality for their offspring!

Micro-nutritional and vitamin deficiencies

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

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

Members of RuVASA's hearts go out to our colleagues and their clients in drought-stricken areas!

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.

Selenium is a powerful anti-oxidant and necessary for immunity. Check the status of the herd.

Beware of fluoride poisoning as borehole water levels drop.

Supplement animals with vitamin A and Zinc 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
--	----	---	---	----	----	-----	----	----	----

Rumen stasis									
Abdominal impaction									
Abdominal hernia									
Floppy kid syndrome									
Swellsiekte								x	
Traumatic reticulo-pericarditis					x		x	x	
Trauma		x		x	x			x	
Teeth wear									
Plastic bags (ingestion)									
Downer	x	x			x	x		x	x
Poor condition								x	
Anaphylactic shock									
Vestibular syndrome (middle ear infection)									
Hernia									
Deformaties									
Wet carcasses at abattoir					x			x	x
Yellow carcasses at abattoir									x

Discuss the origin, treatment and prevention of these diseases with your veterinarian.

The cause of abortions should be established: brucellosis, enzootic abortion, Q-fever, leptospirosis, Rift valley fever, etc. The necessary preventative measures can then be taken.

Lung diseases are killers in the autumn and winter. Good vaccines are available!

Metabolic diseases

The following diseases were reported by practices in the provinces:

Metabolic diseases	MP	G	L	NW	FS	KZN	EC	WC	NC
Acidosis				x	x	x	x	x	
Displaced abomasum						x		x	
Ketosis (Domsiekte)	x	x			x	x		x	
Milk fever					x				

Make sure that you adapt animals to feed containing concentrates as more and more cases of acidosis are reported when grazing animals on harvested maize fields.

Discuss the etiology, treatment and prevention of these diseases with your veterinarian.

Reproductive diseases

Reproductive diseases	MP	G	L	NW	FS	KZN	EC	WC	NC
Dystocia (difficult births)	x	x	x	x	x	x	x	x	
Endometritis					x	x		x	
Metritis	x	x		x	x	x	x	x	
Hydrops									
Poor conception	x		x	x	x	x	x	x	
Retained afterbirth	x	x			x	x	x	x	
Sheath prolaps		x			x	x		x	
Uterine prolaps	x	x		x	x	x		x	
Vaginal prolaps	x	x	x	x	x	x	x	x	
Penis injury									
Orchitis									

Secret of making money is to have an offspring of EACH heifer, cow, ewe or doe on the farm and wean that calf, lamb or kid EVERY YEAR!!

A poor conception rate on many farms is a huge issue. Visit your veterinarian to rectify this problem.

Environmental conditions

	MP	G	L	NW	FS	KZN	EC	WC	NC
Exposure to cold					x				
Frozen to death					x				
Heat stress									
Lightning	x		x	x	x				
Electrocution									
Drought								x	

Other conditions

	MP	G	L	NW	FS	KZN	EC	WC	NC
Dermatospraxis									
Genetic disorders				x	x			x	
Drug residues (milk, meat, liver, kidney etc)									
Preditors					x			x	
Theft/Sabotage					x	x		x	
Trauma (fractures etc)	x	x	x	x	x	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

Hammanskraal – Dr. Hentie Engelbrecht
Beestekraal – Dr. Alwyn Venter
Bathurst – Dr. Jane Pistorius
Cape Town – Dr. Sophette Gers
George – Dr. Mark Chimes
Harrismith – Dr. Wim Slabber
Kroonstad – Dr. Theo Kotze
Malalane – Drs. Van Sittert and Van Sittert
Muldersdrift – Dr. Clare Speedy
Nigel – Dr. Cindy van der Westhuizen
Ottosdal – Dr. Sharnelle Pretorius
Oudtshoorn – Dr. Glen Carlisle
Smithfield – Dr. Nienke van Hasselt
Stellenbosch – Dr. Annelie Cloete
Tulbagh/Paarl – Dr. Dirk Triegaardt
Vanderbylpark- Dr. Kobus Kok

Ostriches

Western Cape

Oudtshoorn

Tapeworms	1
Red gut	3 - Feed intake up and down/ leads to gastro-intestinal tract disturbance and red gut – clostridial enteroxaemia
Airsacculitis	Temp fluctuations/ dust/ cold – increased moist rales, rhinitis and sinusitis
Diarrhoea	3 - Dysbacteriosis - enterocolitis
Lungs	3 - Temperature fluctuations/ dust/ cold – increased moist rales, rhinitis and sinusitis

Soil pica	3 - High temp = high water intake = moist areas in camps and soil pica
Protein, Energy deficiency, poor growth	3 - Energy playing an important role, insufficient eating time with shorter days, last chicks of season severe heat of late summer and now cold spell and rain– becomes a negative/ catabolic downward spiral
Selenium deficiency	2
Mycotoxycosis	Silage fed, estrogenic mycotoxins – increase occurrence of prolaps
Rectal prolaps	3 -Soil pica and heat stres = cryptosporidium overgrowth
Lameness	3
Myopathy	Suspect Vitamin E/Se deficiency as birds respond well to treatment by infeed medication. Common symptoms are weakness/ unable to stand in birds with a good body condition. Captured chicks on game farm showing capture myopathy
Cold exposure	3

Equines

Mpumalanga

Lydenburg

Sarcoptes mites - 2

Gauteng

Rayton

Eye infection - 1

Magaliesburg

Theileriosis – 3

Impaction colic - 2

Limpopo

Bela-Bela

Maggots – 1 in ear of horse

Mokopane

Skin irritation- 1 ticks, allergy, light colic

KwaZulu-Natal

Pongola

Retained afterbirth – 1

Theileriosis - 2

Eastern Cape

Port Alfred

Piroplasmosis – 1 South Seas

Tick worry, dermatitis– 2

Screw-worm – 2 Port Alfred, Bathurst

Northern Cape

De Aar

African horse sickness – One confirmed case, two reported by farmers

Game

Mpumalanga

Lydenburg

Conical fluke -1

Trauma - 1

Gauteng

Magaliesburg

Red gut – Clostridial bacteria in blesbuck weaners

Limpopo

Bela-Bela

Blue ticks – Gemsbok – very weak covered with blue ticks, tick toxicosis, died

Trauma – Buffalo, escaped, sore shoulder

Compaction colic – Weaned white rhino

Mokopane

Macrocyclic lactone poisoning – Sables, MLS's in food, overdose, parasite resistance

North West

Bloemhof

Pulpy kidney – Roan, feed change

Schweizer-Reneke

Wireworm – Gemsbok and impala

KwaZulu-Natal

Pongola

Brown ear-tick – 1

Western Cape

Wellington

Cryptosporidiosis – Buffalo (1 herd)

Northern Cape

Colesberg

Paralysis ticks - Game

Alpaca

Western Cape

Wellington

Cryptosporidium – 1 flock

Swine

Gauteng

Ondertepoort

Abscesses - 1

Western Cape

Wellington

Diamond skin disease - 2

Monthly report on Livestock and Wildlife isolations for May 2020 from Vetdiagnostix –Microbiology Laboratory, supplied by dr. Marijke Henton

(henton@vetdx.co.za)

Vetdiagnostix; microbiology

Trueperella [Arcanobacterium] pyogenes was the pathogen isolated from the greatest variety of animals during May. It was isolated from abscesses in cattle [2], sheep [2], goats, alpaca, sable, rhino, buffalo and elephant, and caused a bovine abortion. Other causes of abortion in cattle were *Salmonella* Dublin and a suspected *Brucella*. Other causes of abscessation were *Staphylococcus aureus* [cattle], *Corynebacterium pseudotuberculosis* [sheep, 2 cases] and *Streptococcus suis* [pigs]. *S. suis* also caused pneumonia in pigs, and *S. aureus* caused Blue Udder in sheep.

Coxiella burnetii [Q Fever] was responsible for four outbreaks of sheep abortion since March, all in the central plateau area [Free State and Northern Cape]. It was not reported in the previous monthly reports, because of delays before receiving each positive result.

Bovine Respiratory Disease yielded *Mannheimia haemolytica* [10], *Pasteurella multocida* [4], *Histophilus somni* [3] and *Mycoplasma* [3]. *M. haemolytica* also caused pneumonia in sheep.

Intestinal disease in calves was caused by *E. coli* [5], which were negative for virulence factors and *Cryptosporidium* [3 cases]. The *Cryptosporidium* is therefore regarded to be the primary pathogen. Another case of calf enteritis yielded *E. coli* which was positive for CNF 1. *E. coli* carrying Cytotoxic Necrotizing Factor 1 causes enteritis as well as septicaemia. Enteritis in lambs yielded *E. coli* [6] and *Cryptosporidium* [6]. Three of the *E. coli* isolates were tested for virulence production, and all three were negative. In almost every case of combined *Cryptosporidium* and *E. coli* infections, the *E. coli* does not produce any virulence factors, indicating that the *E. coli* is only secondary. A case of pigs with Oedema Disease yielded *E. coli* positive for the Oedema Disease virulence factors, Stx2e and F18.

Gangrenous myositis in cattle was caused by *Clostridium novyi* [2] and *C. perfringens*. There is no FA test for *C. perfringens*, and suspect cases should be cultured anaerobically.

Monthly report: Dr Theo Kotzé – Moqhaka (Kroonstad) district

Veterinary Mastitis Consultant: Bovine Industry

0827849706@vodamail.co.za

0827849706

DIAGNOSTIC REPORT : May 2020

No new zoonotic AMR (antimicrobial resistant) organisms or State controlled diseases reported for May 2020

Feedlot report received from Dr. Eben du Preez for May 2020

edupreez1@telkomsa.net

Condition	Comments and Specie
Parafilaria	B 2
Blue ticks	B 3
Red legged-ticks	B 3, O3
Lumpy skin disease	B 1

Anaplasmosis	B 3
Red gut	B 3
Blood gut	O 3
Pulpy kidney	O 1
<i>Histophilus somni</i>	B 3
Ringworm	B 3
BVD	B 2
IBR	B 2
Energy excess	B 3, O 1
Phosphate deficiency	B 2
Vitamin A deficiency	B 3, O 3
Vitamin B1 deficiency	B 3, O 3
Slangkop	B 1
Tulip	B 1
Abortion	B 1
Mastitis	O 2
Joint ill	B 3
Lameness	B 3, O 3
Lungs	B 3, O 3
Diarrhoea	B 3, O 3
Eyes	B 1, O 3
Abscesses	B 3, O 3
Cold exposure	B 1
Trauma	B 3, O 3

Pericarditis	B 3
Poor conception	O 3
Dystocia	B 1
Deaths reported by farmers: Cattle: Anaplasmosis, Pneumonia, Bloat	

Feedlot report received from Dr. Shaun Morris for May 2020
[\(shaun@octavoscene.co.za\)](mailto:shaun@octavoscene.co.za)

Condition	Comments and Specie
Conical flukes	B 3
Anaplasmosis	B 3
African Red water	B 2
Salmonellosis	300 sheep died
Lumpy skin disease	B 1
Pneumonia	B 3, O 3

Monthly report for May 2020 from Dr R D Last (BVSc; M.Med.Vet(Path); MRCVS)

Specialist Veterinary Pathologist, Vetdiagnostix - Veterinary Pathology Services

LIVESTOCK DISEASE SURVEILLANCE			
LIVESTOCK SPECIES	DISEASE AGENT	NO. CASES	LOCATION
BOVINE, ADULT	OSTERTAGIASIS	1	MOOI RIVER, KZN
GOAT ADULT NANNY	DERMATOPHILUS	1	DARLING, W.CAPE
OVINE, LAMBS	CRYPTOSPORIDIOSIS	1	RUSTENBURG, N.WEST
GOATS, ADULT	VACCINE ASSOCIATED ANTHRAX	1	MOOI RIVER, KZN
OVINE, ABORTED FETUS	COXIELLA BURNETTI	1	MODIMOLE, LIMPOPO
BOVINE, ADULT	HISTOPHILUS SOMNI TEME	1	MTUBA, KZN

OVINE, LAMBS	VERMEERSIEKTE	1	QUEENSTOWN, E.CAPE
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WILDLIFE DISEASE SURVEILANCE			
WILDLIFE SPECIES	DISEASE AGENT	NO. CASES	LOCATION
BUFFALO, CALF	ABOMASAL CRYPTOSPORIDIOSIS	1	WELLINGTON, W.CAPE
BUFFALO, CALF	INTESTINAL CRYPTOSPORIDIOSIS	1	WELLINGTON, W.CAPE

**Monthly report on Livestock and Wildlife isolations for May 2020 from IDEXX
Laboratories supplied by dr. Liza du Plessis (Liza-DuPlessis@idexx.com)**

Condition	Comments and Specie
Cryptosporidiosis	O 2
Bacterial meningoencephalitis	O 1
BMC (snotsiekte)	B 3
Equine sarcoid	E 1
Pyrrolizidine alkaloid	B 2
Hepatotoxicity	B 3
Abortion	O 1
Diarrhoea (bacterial)	B 1, O 2, P 1
Metritis/Placentitis	P 1
Acidosis	O 1



Section of Pathology
Department of Paraclinical Sciences
Faculty of Veterinary Science

May 29, 2020

DAFF

Import/Export Policy Unit Subdirector

Monthly report: Faculty of Veterinary Science cases

Wildlife cases sent to referring veterinarians between 27th March and 29th May 2020

Cases from State vet Skukuza or Orpen (none)

Cases imported with master permit (S809-20)

PMDate	Species	Final	Histo No
04-Mar-20	Black Rhino	Complications of maladaptation	S809-20
19-Mar-20	Cheetah	Chronic renal disease	S868-20
03-Apr-20	Roan	Negative IHC test for Rabies	S947-20

Kind regards,

Prof. Emily Mitchell

DISEASE DISTRIBUTION REPORT AS REPORTED BY VETERINARIANS

Month:

May 2020



Table of Contents

<u>Internal Parasites</u>	Roundworms in general , Resistant Round Worms , Wireworm , Brown stomach-worm , Nodular worm , Eye worm (<i>Thelazia rhodesii</i>) , 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 , Nasal bot larvae , Midges , Mosquitoes , Itch mite
<u>Tick-borne Diseases</u>	African red water , Asiatic red water , Anaplasmosis , Heartwater , Sweating Sickness , Theileriosis
<u>Insect Transmittable Diseases</u>	Lumpy skin disease , Three-day-stiffsickness , Blue tongue , Naqana
<u>Venereal Diseases</u>	Actinobacillus seminis , Trichomonosis , Vibriosis , Pizzle disease
<u>Bacterial Disease (other)</u>	Q-Fever Coxiella , Blackquarter , Botulism , Pulpy Kidney , Swelled head disease , Red gut (cattle) , Blood gut (Sheep) , Tetanus , Brucella abortus , Brucella ovis , Bovine Tuberculosis , Johnes` s disease , Septicaemia , E. coli , Enzootic Abortion , Dermatophilosis (Lumpy Wool) , Intrauterine Gangrene , Bovine Dermatophilosis (Senkobo disease) , Fusibacterium necrophorum , Other , Pasteurellosis , Klebsiella
<u>Protozoal diseases (other)</u>	Besnoitiosis , Coccidiosis , Cryptosporidium
<u>Fungal diseases</u>	Ringworm
<u>Viral Diseases (other)</u>	BMC (snotsiekte) , BVD (Bovine viral diarrhoea) , IBR (Infectious bovine rhinotracheitis) , BRSV (Bovine respiratory syncytial virus) , PI3 , Enzootic Bovine Leucosis (EBL) , Orf , Warts , Rota virus , Corona Virus
<u>Poisonings (Plant) and Fungal</u>	Cardiac glycoside poisoning , Cestrum , Cynanchum poisoning , Facial eczema , Lantana , Prussic acid poisoning , Tulip Poisoning , Mycotoxycosis , Diplodiosis , Other
<u>Poisonings</u>	Datura , Water contamination , Urea Poisoning , Snake Bite , Blue-green algae , Chemical products , Other
<u>Macro Nutritional Problems</u>	Energy deficiency , Protein deficiency , Phosphate deficiency , Calcium deficiency
<u>Micro Nutritional Problems</u>	Copper deficiency , Zinc deficiency , Selenium deficiency , Vitamin A deficiency , Vitamin B1 deficiency
<u>Multi-factorial Disease Conditions</u>	Abortions , Stillbirths , Abscesses , 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 (Torsion of the Gut) Sheep , Trauma , Downer , Other , Vestubular syndrome (Middle ear infection) , Wet carcasses , Yellow cascades at abattoir
<u>Metabolic Diseases</u>	Acidosis , Displaced abomasum , Ketosis , Milk Fever , Other

<u>Reproductive diseases</u>	Dystocia (Difficult Births) , Endometritis , Metritis , Poor conception , Retained afterbirth , Sheath Prolaps , Uterus prolaps , Vaginal (Cervical) prolaps
<u>Climatical Cause</u>	Cold exposure , Drought , Frozen to death
<u>Non specific diseases</u>	Cause of death not established , Genetic disorders , Preditors , Sabotation/Theft , Trauma , Veld fires , other , Traumatic Reticulo-pericarditis

Internal Parasites

Roundworms in general

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.7 (3)	2.8 (5)		3.0 (3)	2.5 (11)	2.1 (10)	2.1 (10)	2.5 (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 (1)					2.0 (4)	3.0 (2)		
Sheep	1.5 (2)	2.8 (4)		3.0 (3)	2.5 (10)	2.3 (3)	2.0 (5)	2.4 (5)	
Goat		3.0 (1)			2.0 (1)	2.0 (3)	1.7 (3)	3.0 (1)	

Mpumalanga

Balfour, Balfour Dierekliniek

Sheep: 1

Standerton, Econovet

Beef: 2, Sheep: 2

Gauteng

Bapsfontein, Bapsfontein Dierehospitaal

Sheep: 3, Goat: 3

Nigel, Nigel Diere Spreekkamer

Sheep: 3

Pretoria, Anima Veterinary Consulting Rooms

Sheep: 3

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Sheep: 2

North West

Christiana, Christiana Dierehospitaal

Sheep: 3

Stella, Stella Dierekliniek

Sheep: 3

Ventersdorp, Ventersdorp Dierekliniek

Sheep: 3

Free State

Bethlehem, Union Street Animal Consulting Rooms

Sheep: 2

Clocolan, Clocolan Dierekliniek

Sheep: 2

Dewetsdorp, Platkop Dierekliniek

Sheep: 2

Excelsior, Weltevrede Dierekliniek

Sheep: 3

Hoopstad, Hoopstad Dierekliniek

Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Sheep: 3

Parys, Parys Dierekliniek

Sheep: 2, Goat: 2

Viljoenskroon, Viljoenskroon Dierekliniek

Sheep: 3

Villiers, Wilgepoort Veedienste

Sheep: 3

Wesselsbron, Wesselsbron Dierekliniek

Sheep: 2

Kwazulu-Natal

Bergville, Tugela Vet Clinic

Beef: 2, Sheep: 2, Goat: 2

Mooi River, Mooirivier Vet Clinic

Beef: 2

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2, Goat: 2

Pietermaritzburg, Veterinary House Hospital

Beef: 2

Underberg, Underberg Veterinary Surgery

Sheep: 2, Goat: 2

Vryheid, Vryheid Privaat Veeartse

Sheep: 3

Eastern Cape

Adelaide, Adelaide Veterinary Clinic

Beef: 3

High incidence of parasites in cattle running in the higher rainfall areas (Winterberg mountains)

Aliwal North, Hertzogbrug Dierekliniek

Sheep: 1

Graaff-Reinet, Camdeboo Veterinary Clinic

Goat: 2

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Sheep: 3

Queenstown, AngloGold Eastern Cape

Beef: 3

Steynsburg, Steynsburg Dierehospitaal

Sheep: 3

Stutterheim, Stutterheim Veterinary Clinic

Goat: 2

Goat weaners with mixed worm infestations, poor response to closantel. Changed to derquantel

Uitenhage, Uitenhage Dierehospitaal

Sheep: 1

Witelsbos, Witelsbos Veterinary Consulting Rooms

Sheep: 2, Goat: 1

Western Cape

Caledon, Caledon Dierekliniek

Sheep: 3, Goat: 3

Caledon, Overberg Veterinary Hospital

Sheep: 3

Darling, Tygerberg Dierehospitaal Darling

Sheep: 2

Heidelberg (WC), Heidelberg Dierekliniek

Sheep: 2

Malmesbury, Malmesbury Dierehospitaal

Sheep: 2

Resistant Round Worms



PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average				3.0 (1)	2.3 (6)	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

Sheep				3.0 (1)	2.3 (6)	1.0 (1)		1.0 (1)	
Goat							2.0 (1)		

North West

Christiana, Christiana Dierehospitaal

Sheep: 3

Free State

Clocolan, Clocolan Dierekliniek

Sheep: 1

Excelsior, Weltevrede Dierekliniek

Sheep: 3

Hoopstad, Hoopstad Dierekliniek

Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Sheep: 2

Reitz, Riemland Dierehospitaal

Sheep: 2

Villiers, Wilgepoort Veedienste

Sheep: 3

Kwazulu-Natal

Bergville, Tugela Vet Clinic

Sheep: 1

Eastern Cape

Graaff-Reinet, Camdeboo Veterinary Clinic

Goat: 2

Western Cape

Malmesbury, Malmesbury Dierehospitaal

Sheep: 1

Wireworm



PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
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Average	2.0 (5)	2.0 (1)	1.7 (3)	2.7 (7)	2.5 (13)	2.3 (4)	2.3 (3)	2.0 (1)	3.0 (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				3.0 (1)					
Sheep	2.0 (5)	2.0 (1)	1.5 (2)	2.6 (5)	2.5 (13)	2.3 (4)	3.0 (1)	2.0 (1)	3.0 (1)
Goat			2.0 (1)	3.0 (1)			2.0 (2)		

Mpumalanga

Ermelo, Môregloed Veterinêre Spreekkamer

Sheep: 2

Hendrina, Mooiplaas Veterinere Dienste

Sheep: 1

Lydenburg, Longtom Dierekliniek

Sheep: 2

Piet Retief, Pets Vet Hospital

Sheep: 2

Volksrust, Cape Cross Volksrust Dierehospitaal

Sheep: 3

Gauteng

Bronkhorstspuit, Kerkstraat Dierekliniek

Sheep: 2

Limpopo

Mokopane, Bundu Veterinary Services

Sheep: 1

Polokwane, Pietersburg Veterinary Clinic

Sheep: 2, Goat: 2

North West

Bloemhof, Bloemhof Dierekliniek

Sheep: 3

Brits, Brits Dierekliniek

Sheep: 3, Goat: 3

Potchefstroom, Bult Dierekliniek

Sheep: 2

Rustenburg, Bergbos Dierekliniek

Sheep: 2

Stella, Stella Dierekliniek

Beef: 3

Vryburg, Vryburg Dierehospitaal

Sheep: 3

Free State

Clocolan, Clocolan Dierekliniek

Sheep: 2

Excelsior, Weltevrede Dierekliniek

Sheep: 3

Ficksburg, Oosvrystaat Diere Produkte

Sheep: 3

Frankfort, Frankfort Dierekliniek

Sheep: 3

Hoopstad, Hoopstad Dierekliniek

Sheep: 3

Graaff-Reinet, Camdeboo Veterinary Clinic

Goat: 2

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

Sheep: 2

Stellenbosch, Stellenbosch Animal Hospital

Sheep: 1

Nodular worm

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

Sheep: 2

Eye worm (Thelazia rhodesii)

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
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Average					2.0 (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)				
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Free State**Winburg, Winburg Dierekliniek**

Beef: 2

Tape Worms

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
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Average	3.0 (1)	2.0 (3)			1.8 (9)		1.5 (2)	2.0 (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)		1.0 (1)		
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Sheep	3.0 (1)	2.0 (3)		1.9 (7)		2.0 (1)
Goat				2.0 (1)	2.0 (1)	

Mpumalanga

Standerton, Econovet

Sheep: 3

Gauteng

Bapsfontein, Bapsfontein Dierehospitaal

Sheep: 3

Pretoria, Anima Veterinary Consulting Rooms

Sheep: 2

Rayton, Rayton Dierekliniek

Sheep: 1

Free State

Clocolan, Clocolan Dierekliniek

Sheep: 2

Excelsior, Weltevrede Dierekliniek

Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Sheep: 2

Parys, Parys Dierekliniek

Sheep: 2, Goat: 2

Reitz, Riemland Dierehospitaal

Sheep: 1

Viljoenskroon, Viljoenskroon Dierekliniek

Sheep: 1

Villiers, Wilgepoort Veedienste

Beef: 1, Sheep: 2

Eastern Cape

Graaff-Reinet, Camdeboo Veterinary Clinic

Goat: 2

Queenstown, AngloGold Eastern Cape

Beef: 1

Western Cape

Malmesbury, Malmesbury Dierehospitaal

Sheep: 2

Parafilaria

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

Bapsfontein, Bapsfontein Dierehospitaal

Beef: 2

Limpopo

Mokopane, Bundu Veterinary Services

Beef: 1

Tzaneen, ZZ2 Farm Practice

Beef: 1

Kwazulu-Natal

Pietermaritzburg, Veterinary House Hospital

Beef: 1

Liver fluke									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.8 (6)	1.5 (2)		1.0 (1)	2.0 (2)	1.8 (4)	3.0 (1)	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	1.6 (5)	1.5 (2)		1.0 (1)	3.0 (1)	1.8 (4)	3.0 (1)	2.5 (2)	
Dairy								3.0 (1)	
Sheep	3.0 (1)				1.0 (1)			2.0 (2)	

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1

Bethal, Bethal Dierekliniek

Beef: 1

Lydenburg, Lydenburg Dieresprekkamer

Beef: 2

Standerton, Econovet

Beef: 3, Sheep: 3

Volksrust, Cape Cross Volksrust Dierhospitaal

Beef: 1

Gauteng

Bapsfontein, Bapsfontein Dierhospitaal

Beef: 2

Rayton, Rayton Dierekliniek

Beef: 1

North West

Ventersdorp, Ventersdorp Dierekliniek

Beef: 1

Free State

Villiers, Wilgepoort Veedienste

Beef: 3, Sheep: 1

Kwazulu-Natal

Mooi River, Mooirivier Vet Clinic

Beef: 1

Mtubatuba, Mtubatuba Animal Clinic

Beef: 1

Underberg, Underberg Veterinary Surgery

Beef: 3

Vryheid, Vryheid Privaat Veeartse

Beef: 2

Sheep		2.0 (1)
Goat	2.0 (1)	

Mpumalanga
Lydenburg, Lydenburg Dieresprekkamer
Beef: 2, Goat: 2
North West
Vryburg, Vryburg Dierehospitaal
Beef: 2
Western Cape
George, George Animal Hospital
Beef: 2, Dairy: 1
Paarl, Paarl Dierehospitaal;
Beef: 3
Seen at abattoir
Northern Cape
Kimberley, Kimberley Dierekliniek
Beef: 2
Seen at abattoir
Postmasburg, Postmasburg Dierekliniek
Sheep: 2

External Parasites

Blue ticks

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.6 (7)	2.8 (4)	1.0 (3)	2.8 (6)	2.7 (15)	2.4 (8)	1.0 (1)	2.6 (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	2.6 (7)	2.8 (4)	1.0 (3)	2.8 (4)	2.6 (11)	2.4 (8)	1.0 (1)	2.5 (4)	
Dairy					3.0 (1)			2.8 (4)	
Sheep				3.0 (1)	3.0 (3)				
Goat				3.0 (1)					

Mpumalanga
Balfour, Balfour Dierekliniek
Beef: 2
Ermelo, Môregloed Veterinêre Spreekkamer
Beef: 3
Lydenburg, Lydenburg Dieresprekkamer
Beef: 2
Middelburg, Neil Fourie Veeartsenydienste
Beef: 3
Nelspruit, Nelspruit Animal Hospital
Beef: 2

Piet Retief, Pets Vet Hospital

Beef: 3

Standerton, Econovet

Beef: 3

Gauteng**Bapsfontein, Bapsfontein Dierehospitaal**

Beef: 2

Bronkhorstspuit, Kerkstraat Dierekliniek

Beef: 3

Nigel, Nigel Diere Spreekkamer

Beef: 3

Rayton, Rayton Dierekliniek

Beef: 3

Limpopo**Mokopane, Bundu Veterinary Services**

Beef: 1

Polokwane, Pietersburg Veterinary Clinic

Beef: 1

Tzaneen, ZZ2 Farm Practice

Beef: 1

North West**Potchefstroom, Morvet**

Beef: 2

Schweizer-Reneke, Buffeldoorn Dierekliniek SR

Beef: 3, Sheep: 3, Goat: 3

Ventersdorp, Ventersdorp Dierekliniek

Beef: 3

Vryburg, Vryburg Dierehospitaal

Beef: 3

Free State**Ficksburg, Oosvrystaat Diere Produkte**

Beef: 3, Dairy: 3, Sheep: 3

Frankfort, Frankfort Dierekliniek

Beef: 3

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 3

Memel, Memel Veterinary Clinic

Beef: 2

Oranjeville, Grasveld Kuddegesondheid

Beef: 2

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 3, Sheep: 3

Villiers, Wilgepoort Veedienste

Beef: 2

Vrede, Saulshoek Dieregesondheid.

Beef: 2

Warden, Warden Dierekliniek

Beef: 3

Winburg, Winburg Dierekliniek

Beef: 3

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

Beef: 3

Bergville, Tugela Vet Clinic

Beef: 1

Dundee, Endumeni Herd health

Beef: 3

Kokstad, E.G.Veterinary Services

Beef: 3

High tick burdens despite frost

Mooi River, Mooirivier Vet Clinic

Beef: 2

Pietermaritzburg, Veterinary House Hospital

Beef: 2

Underberg, Underberg Veterinary Surgery

Beef: 2

Vryheid, Vryheid Privaat Veeartse

Beef: 3

Eastern Cape

Alexandria, Alexandria Platteland Spreekkamer

Beef: 1

Western Cape

George, George Animal Hospital

Beef: 3, Dairy: 3

George, George Herd Heath Consult

Dairy: 3

Heidelberg (WC), Heidelberg Dierekliniek

Beef: 2, Dairy: 2

Stellenbosch, Stellenbosch Animal Hospital

Beef: 2

Swellendam, Swellendam Dierhospitaal

Beef: 3, Dairy: 3

Resistant blue Ticks

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

Free State

Oranjeville, Grasveld Kuddegesondheid

Beef: 1

Villiers, Wilgepoort Veedienste

Beef: 2

Winburg, Winburg Dierkliniek

Beef: 3

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 1

Western Cape**George, George Animal Hospital**

Dairy: 2

Heartwater (Bont) ticks

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average		1.5 (2)		2.5 (2)		2.0 (10)	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		1.5 (2)		2.5 (2)		2.3 (6)	1.0 (1)		
Sheep						1.5 (2)			
Goat						1.5 (2)			

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

Beef: 2

Rayton, Rayton Dierekliniek

Beef: 1

North West**Rustenburg, Bergbos Dierekliniek**

Beef: 3

Vryburg, Vryburg Dierehospitaal

Beef: 2

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

Beef: 3

Bergville, Tugela Vet Clinic

Beef: 2, Sheep: 2, Goat: 2

Dundee, Endumeni Herd health

Beef: 3

Mtubatuba, Mtubatuba Animal Clinic

Beef: 3

Pietermaritzburg, Veterinary House Hospital

Beef: 2

Pongola, Pongola Animal Clinic

Beef: 1, Sheep: 1, Goat: 1

Eastern Cape**Queenstown, AngloGold Eastern Cape**

Beef: 1

Brown ear-ticks

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.7 (3)		1.0 (2)		1.5 (2)	1.5 (4)	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	2.7 (3)	1.0 (1)	1.5 (2)	1.5 (4)	3.0 (1)
Goat		1.0 (1)			

Mpumalanga

Lydenburg, Longtom Dierekliniek

Beef: 3

Ear infection (otitis)

Lydenburg, Lydenburg Dieresprekkamer

Beef: 2

Piet Retief, Pets Vet Hospital

Beef: 3

Limpopo

Mokopane, Bundu Veterinary Services

Beef: 1, Goat: 1

Free State

Villiers, Wilgepoort Veedienste

Beef: 1

Winburg, Winburg Dierekliniek

Beef: 2

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Mtubatuba, Mtubatuba Animal Clinic

Beef: 1

Pongola, Pongola Animal Clinic

Beef: 1

Vryheid, Vryheid Privaat Veeartse

Beef: 2

Eastern Cape

Cradock, Cradock Veterinary Clinic

Beef: 3

In ears, immatures, severe infestation on a few farms

Bont-legged ticks

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)	2.0 (2)		3.0 (2)	2.6 (9)	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	1.0 (1)	2.0 (1)		3.0 (2)	2.5 (8)	2.0 (1)	1.0 (1)		
Sheep		2.0 (1)			3.0 (1)				

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1

Gauteng

Rayton, Rayton Dierekliniek

North West

Christiana, Christiana Dierehospitaal

Beef: 3

Vryburg, Vryburg Dierehospitaal

Beef: 3

Frankfort, Frankfort Dierekliniek

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Kroonstad, Kroonstad Dierhospitaal

Memel, Memel Veterinary Clinic

Parys, Parys Dierkliniek

Beef: 3

Beef: 2

Beef: 3

Beef: 2

Bergville, Bergville Veterinary Clinic

Witelsbos, Witelsbos Veterinary Consulting Rooms

Beef: 1

Red-legged ticks

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.5 (2)			3.0 (4)	2.8 (6)	3.0 (1)			

[illegible]

Beef	1.5 (2)	3.0 (2)	2.8 (5)	3.0 (1)
Sheep		3.0 (1)	3.0 (1)	
Goat		3.0 (1)		

Balfour, Balfour Dierekliniek

Beef: 1

Lydenburg, Lydenburg Dieresprekkamer

North West

Christiana, Christiana Dierhospitaal

Beef: 3

Schweizer-Reneke, Buffeldoorn Dierekliniek SR

Beef: 3, Sheep: 3, Goat: 3

Free State**Hoopstad, Hoopstad Dierekliniek**

Beef: 3, Sheep: 3

Memel, Memel Veterinary Clinic

Beef: 2

Parys, Parys Dierekliniek

Beef: 3

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 3

Warden, Warden Dierekliniek

Beef: 3

Kwazulu-Natal**Underberg, Underberg Veterinary Surgery**

Beef: 3

Paralysis ticks

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)

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							2.0 (1)		3.0 (1)

Free State**Winburg, Winburg Dierekliniek**

Beef: 2

Eastern Cape**Aliwal North, Hertzogbrug Dierekliniek**

Sheep: 2

Northern Cape**Colesberg, Karoo Veterinary Hospital**

Sheep: 3

Biting lice (red lice)

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

Free State

Frankfort, Frankfort Dierekliniek

Beef: 3

Northern Cape

Calvinia, Calvinia Veeartskliniek

Sheep: 2

Mange Mites



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

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1

Sarcoptes spp.

Free State

Memel, Memel Veterinary Clinic

Sheep: 2

Winburg, Winburg Dierekliniek

Beef: 3

Nuisance Flies



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

Free State

Winburg, Winburg Dierekliniek

Beef: 3

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2, Goat: 2

Western Cape

George, George Herd Heath Consult

Dairy: 2

Malmesbury, Dr Otto Kriek

Dairy: 2

Can become a serious problem at times when stable flies' numbers escalate. Sadly it takes a long time to turn the tide once confronted with an outbreak

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 2, Sheep: 2

Blowflies



PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average				2.0 (1)	2.5 (4)			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)	2.5 (2)			2.0 (1)	
Sheep					2.5 (2)				

North West

Ventersdorp, Ventersdorp Dierekliniek

Beef: 2

Free State

Hoopstad, Hoopstad Dierekliniek

Sheep: 3

Parys, Parys Dierekliniek

Beef: 2

Villiers, Wilgepoort Veedienste

Sheep: 2

Winburg, Winburg Dierekliniek

Beef: 3

Western Cape**Swellendam, Swellendam Dierehospitaal**

Beef: 2

Nasal bot larvae

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

Sheep	3.0 (1)				2.0 (3)			2.0 (1)	
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Mpumalanga**Lydenburg, Longtom Dierekliniek**

Sheep: 3

Free State**Reitz, Riemland Dierehospitaal**

Sheep: 2

Villiers, Wilgepoort Veedienste

Sheep: 2

Wesselsbron, Wesselsbron Dierekliniek

Sheep: 2

Western Cape**Beaufort West, Beaufort Dierekliniek**

Sheep: 2

Midges

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

Beef: 2

Mosquitoes

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		3.0 (1)	2.0 (1)	
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Free State
Winburg, Winburg Dierekliniek
Beef: 3
Kwazulu-Natal
Bergville, Bergville Veterinary Clinic
Beef: 2

Itch mite

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

Sheep	1.0 (1)							1.0 (1)	
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Mpumalanga
Ermelo, Mōregloed Veterinere Spreekkamer
Sheep: 1
Western Cape
Malmesbury, Malmesbury Dierehospitaal
Sheep: 1

Tick-borne Diseases

African red water

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.7 (6)	2.0 (1)		2.0 (2)	2.2 (6)	2.1 (9)	1.0 (1)	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	1.7 (6)	2.0 (1)		2.0 (2)	2.2 (6)	2.2 (6)	1.0 (1)	1.8 (4)	
Dairy						2.0 (3)		2.3 (4)	

Mpumalanga
Balfour, Balfour Dierekliniek
Beef: 2
Grootvlei, Grootvlei Dierekliniek
Beef: 1
Hendrina, Mooiplaas Veterinere Dienste
Beef: 2
Five cases

Lydenburg, Longtom Dierekliniek

Beef: 2

Piet Retief, Pets Vet Hospital

Beef: 2

Volksrust, Cape Cross Volksrust Dierehospitaal

Beef: 1

Gauteng**Magaliesburg, Magaliesburg; Dr Ryan Jeffrey**

Beef: 2

North West**Leeudoringstad, Leeudoringstad Dierekliniek**

Beef: 2

First time this disease diagnosed in the area, 3 animals died, blocked rest with dininazene. Adjacent to game farm.

Ventersdorp, Ventersdorp Dierekliniek

Beef: 2

Free State**Frankfort, Frankfort Dierekliniek**

Beef: 3

Parys, Parys Dierekliniek

Beef: 2

Reitz, Riemland Dierehospitaal

Beef: 1

Villiers, Wilgepoort Veedienste

Beef: 2

Warden, Warden Dierekliniek

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

Kokstad, E.G.Veterinary Services

Dairy: 2

Mooi River, Mooirivier Vet Clinic

Beef: 2

Pietermaritzburg, Veterinary House Hospital

Beef: 3

Underberg, Underberg Veterinary Surgery

Beef: 2

Vryheid, Vryheid Privaat Veeartse

Beef: 2

Eastern Cape**Queenstown, Queenstown Veterinary clinic**

Beef: 1

Western Cape**Caledon, Overberg Veterinary Hospital**

Beef: 2, Dairy: 3

George, George Animal Hospital

Beef: 1, Dairy: 2

George, George Herd Heath Consult

Dairy: 2

Heidelberg (WC), Heidelberg Dierekliniek

Dairy: 2

Stellenbosch, Stellenbosch Animal Hospital

Beef: 1

Wellington, Wellington Dierehospitaal

Beef: 3

Asiatic red water

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (6)	2.3 (3)			2.0 (4)	1.8 (9)	2.0 (2)	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	2.0 (6)	2.3 (3)			2.0 (4)	1.7 (7)	2.0 (2)	3.0 (2)	
Dairy						2.0 (2)			

Mpumalanga**Bethal, Bethal Dierekliniek**

Beef: 1

Ermelo, Môregloed Veterinere Spreekkamer

Beef: 3

Hendrina, Mooiplaas Veterinere Dienste

Beef: 1

Piet Retief, Pets Vet Hospital

Beef: 2

Standerton, Econovet

Beef: 2

Volksrust, Cape Cross Volksrust Dierehospitaal

Beef: 3

Gauteng**Bronkhorstspuit, Kerkstraat Dierekliniek**

Beef: 2

Magaliesburg, Magaliesburg; Dr Ryan Jeffrey

Beef: 2

Nigel, Nigel Diere Spreekkamer

Beef: 3

Free State**Frankfort, Frankfort Dierekliniek**

Beef: 3

Memel, Memel Veterinary Clinic

Beef: 1

Villiers, Wilgepoort Veedienste

Beef: 2

Vrede, Vrede Dierehospitaal

Beef: 2

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

Beef: 1

Bergville, Tugela Vet Clinic

Beef: 2
Dundee, Endumeni Herd health
Beef: 2, Dairy: 2
Eshowe, Eshowe Veterinary Hospital
Beef: 2
Estcourt, Estcourt Vet Clinic
Dairy: 2
Pietermaritzburg, Veterinary House Hospital
Beef: 1
Underberg, Underberg Veterinary Surgery
Beef: 2
Vryheid, Vryheid Privaat Veeartse
Beef: 2
Eastern Cape
Alexandria, Riverview Trading Vet Consulting Services
Beef: 3
Port Alfred, Kowie Veterinary Clinic
Beef: 1
One case Port Alfred
Western Cape
Swellendam, Swellendam Dierehospitaal
Beef: 3
Wellington, Wellington Dierehospitaal
Beef: 3

Anaplasmosis									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (2)	1.7 (3)		2.8 (5)	1.9 (16)	2.4 (7)	1.5 (2)	1.9 (7)	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	2.0 (2)	1.7 (3)		2.8 (5)	1.9 (13)	2.4 (5)	1.5 (2)	1.5 (4)	2.0 (2)
Dairy					1.7 (3)	2.5 (2)		2.3 (3)	

Mpumalanga
Balfour, Balfour Dierekliniek
Beef: 2
Ermelo, Môregloed Veterinere Spreekkamer
Beef: 2
Gauteng
Nigel, Nigel Diere Spreekkamer
Beef: 1
Pretoria, Anima Veterinary Consulting Rooms
Beef: 2
Rayton, Rayton Dierekliniek
Beef: 2
North West
Christiana, Christiana Dierehospitaal

Beef: 3

Leeudoringstad, Leeudoringstad Dierekliniek

Beef: 3

Potchefstroom, Morvet

Beef: 2

Schweizer-Reneke, Buffeldoorn Dierekliniek SR

Beef: 3

Cattle brought in from the Eastern Cape

Ventersdorp, Ventersdorp Dierekliniek

Beef: 3

Free State

Clocolan, Clocolan Dierekliniek

Beef: 1

Excelsior, Weltevrede Dierekliniek

Beef: 2

Ficksburg, Oosvrystaat Diere Produkte

Beef: 1

Frankfort, Frankfort Dierekliniek

Beef: 2

Hoopstad, Hoopstad Dierekliniek

Beef: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 2, Dairy: 2

Parys, Parys Dierekliniek

Beef: 2

Reitz, Riemland Dierehospitaal

Dairy: 2

Senekal, Senekal Dierekliniek

Dairy: 1

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 3

Villiers, Wilgepoort Veedienste

Beef: 2

Vrede, Saulshoek Dieregesondheid.

Beef: 1

Warden, Warden Dierekliniek

Beef: 2

Wesselsbron, Wesselsbron Dierekliniek

Beef: 1

Winburg, Winburg Dierekliniek

Beef: 3

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Bergville, Tugela Vet Clinic

Beef: 2

Dundee, Endumeni Herd health

Dairy: 2

Estcourt, Estcourt Vet Clinic

Dairy: 3

Pietermaritzburg, Veterinary House Hospital

Beef: 3

Underberg, Underberg Veterinary Surgery

Beef: 2

Vryheid, Vryheid Privaat Veeartse

Beef: 3

In addition, farmers reported 25 cases

Eastern Cape

Alexandria, Alexandria Platteland Spreekkamer

Beef: 1

Aliwal North, Hertzogbrug Direkliniek

Beef: 2

Western Cape

Caledon, Overberg Veterinary Hospital

Beef: 2

George, George Animal Hospital

Dairy: 2

Malmesbury, Bergzicht Dierehospitaal

Beef: 1

Malmesbury, Dr Otto Kriek

Dairy: 3

Can become a serious problem at times when stable flies' numbers escalate. Sadly it takes a long time to turn the tide once confronted with an outbreak

Malmesbury, Malmesbury Dierehospitaal

Beef: 1, Dairy: 2

Wellington, Wellington Dierehospitaal

Beef: 2

Northern Cape

Kimberley, Kimberley Direkliniek

Beef: 1

Kuruman, Kuruman Direkliniek

Beef: 3

Heartwater



PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (1)	2.0 (1)	1.0 (1)	2.0 (2)		1.8 (8)	1.8 (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 (1)		1.0 (1)	2.0 (1)		2.0 (6)	1.3 (3)		
Sheep						1.0 (1)	2.0 (1)		
Goat		2.0 (1)		2.0 (1)		1.0 (1)	2.5 (2)		

Mpumalanga

Piet Retief, Pets Vet Hospital

Beef: 2

Gauteng

Bapsfontein, Bapsfontein Dierehospitaal

Goat: 2

Limpopo

Tzaneen, ZZ2 Farm Practice

Beef: 1

North West

Brits, Brits Direkliniek

Goat: 2

Rustenburg, Bergbos Direkliniek

Beef: 2

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Dundee, Endumeni Herd health

Beef: 3

Eshowe, Eshowe Veterinary Hospital

Beef: 2

Four cases

Mtubatuba, Mtubatuba Animal Clinic

Beef: 3

Pietermaritzburg, Veterinary House Hospital

Beef: 1

Pongola, Pongola Animal Clinic

Beef: 1, Sheep: 1, Goat: 1

Eastern Cape

Alexandria, Riverview Trading Vet Consulting Services

Beef: 2, Goat: 3

Port Alfred, Kowie Veterinary Clinic

Beef: 1

One case Shaw Park

Queenstown, AngloGold Eastern Cape

Beef: 1

Uitenhage, Uitenhage Dierehospitaal

Sheep: 2, Goat: 2

Sweating Sickness



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

Beef				2.0 (1)					1.0 (1)
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North West

Christiana, Christiana Dierehospitaal

Beef: 2

Northern Cape

Kimberley, Kimberley Dierekliniek

Beef: 1

Calf

Theileriosis



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)					
Kwazulu-Natal									
Pongola, Pongola Animal Clinic									
Beef: 1									
<i>Theileria taurotragi</i> - Tzaneen disease									
Insect Transmittable Diseases									
Lumpy skin disease									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average				2.0 (1)	2.0 (5)	1.0 (2)		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				2.0 (1)	2.0 (4)	1.0 (2)		2.0 (1)	2.0 (2)
Dairy					2.0 (1)			1.5 (2)	
North West									
Vryburg, Vryburg Dierehospitaal									
Beef: 2									
Free State									
Clocolan, Clocolan Dierekliniek									
Beef: 2, Dairy: 2									
Villiers, Wilgepoort Veedienste									
Beef: 2									
Wesselsbron, Wesselsbron Dierekliniek									
Beef: 2									
Winburg, Winburg Dierekliniek									
Beef: 2									
Kwazulu-Natal									
Mooi River, Mooirivier Vet Clinic									
Beef: 1									
Pongola, Pongola Animal Clinic									
Beef: 1									
Western Cape									
Caledon, Caledon Dierekliniek									
Beef: 2, Dairy: 2									
Malmesbury, Dr Otto Kriek									
Dairy: 1									
Northern Cape									
Kathu, Kathu Dierekliniek									
Beef: 2									
Kuruman, Kuruman Dierekliniek									
Beef: 2									
Three-day-stiffsickness									

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average		1.7 (3)		2.5 (2)	1.8 (6)	2.3 (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		1.7 (3)		2.5 (2)	1.8 (5)	2.3 (3)			
Dairy					2.0 (1)				
Gauteng									
Bapsfontein, Bapsfontein Dierehospitaal									
Beef: 2									
Bronkhorstspuit, Kerkstraat Dierekliniek									
Beef: 2									
Krugersdorp, Veearts Netwerk									
Beef: 1									
North West									
Christiana, Christiana Dierehospitaal									
Beef: 2									
Leeudoringstad, Leeudoringstad Dierekliniek									
Beef: 3									
Free State									
Clocolan, Clocolan Dierekliniek									
Beef: 2, Dairy: 2									
Kroonstad, Kroonstad Dierehospitaal									
Beef: 1									
Villiers, Wilgepoort Veedienste									
Beef: 2									
Wesselsbron, Wesselsbron Dierekliniek									
Beef: 2									
Winburg, Winburg Dierekliniek									
Beef: 2									
Kwazulu-Natal									
Bergville, Bergville Veterinary Clinic									
Beef: 2									
Dundee, Endumeni Herd health									
Beef: 2									
Mooi River, Mooirivier Vet Clinic									
Beef: 3									
Blue tongue									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.7 (3)	2.0 (1)		1.0 (1)	1.5 (4)		2.0 (1)	3.0 (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

Sheep	1.7 (3)	2.0 (1)		1.0 (1)	1.5 (4)		2.0 (1)	3.0 (2)	2.0 (3)
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Mpumalanga

Bethal, Bethal Dierekliniek

Sheep: 2

Lydenburg, Longtom Dierekliniek

Sheep: 2

Volksrust, Cape Cross Volksrust Dierehospitaal

Sheep: 1

Gauteng

Bapsfontein, Bapsfontein Dierehospitaal

Sheep: 2

North West

Christiana, Christiana Dierehospitaal

Sheep: 1

Free State

Kroonstad, Kroonstad Dierehospitaal

Sheep: 1

Villiers, Wilgepoort Veedienste

Sheep: 1

Warden, Warden Dierekliniek

Sheep: 2

Winburg, Winburg Dierekliniek

Sheep: 2

Eastern Cape

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Sheep: 2

Western Cape

Beaufort West, Beaufort Dierekliniek

Sheep: 3

Beaufort West, Beaufort West State Vet

Sheep: 3

Some outbreaks in drought-stricken areas

Northern Cape

Kimberley, Vets4all

Sheep: 2

Postmasburg, Postmasburg Dierekliniek

Sheep: 2

Upington, Upington Veeartsenykliniek

Sheep: 2

Distocias in Dorper ewes due to abnormal feusses, due to blue tongue

Nagana									^
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

Beef					3.0 (1)				
Kwazulu-Natal									
Mtubatuba, Mtubatuba Animal Clinic									
Beef: 3									
Venereal Diseases									
Actinobacillus seminis									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average					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					2.0 (1)				
Sheep					2.0 (1)				
Free State									
Winburg, Winburg Dierekliniek									
Beef: 2, Sheep: 2									
Trichomonosis									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.4 (5)	1.5 (2)		2.0 (5)	1.9 (14)	1.3 (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	2.4 (5)	1.5 (2)		2.0 (5)	1.9 (14)	1.3 (4)			
Mpumalanga									
Bethal, Bethal Dierekliniek									
Beef: 2									
Ermelo, Môregloed Veterinêre Spreekkamer									
Beef: 3									
Grootvlei, Grootvlei Dierekliniek									
Beef: 2									
Hendrina, Mooiplaas Veterinere Dienste									
Beef: 2									
Standerton, Econovet									
Beef: 3									
Gauteng									
Nigel, Nigel Diere Spreekkamer									
Beef: 1									

Rayton, Rayton Dierekliniek

Beef: 2

400 cows only 55% conception rate

North West**Klerksdorp, Klerksdorp Dierehospitaal**

Beef: 2

Potchefstroom, Morvet

Beef: 1

Stella, Stella Dierekliniek

Beef: 3

Vryburg, Molopo Dierekliniek

Beef: 1

Vryburg, Vryburg Dierehospitaal

Beef: 3

Free State**Bethlehem, Union Street Animal Consulting Rooms**

Beef: 2

Clocolan, Clocolan Dierekliniek

Beef: 2

Ficksburg, Oosvrystaat Dier Produkte

Beef: 1

Frankfort, Frankfort Dierekliniek

Beef: 3

Hoopstad, Hoopstad Dierekliniek

Beef: 3

Hoopstad, Kameeldoring Dierekliniek

Beef: 2

Kroonstad, Kroonstad Dierehospitaal

Beef: 3

Memel, Memel Veterinary Clinic

Beef: 1

Oranjeville, Grasveld Kuddegeseondheid

Beef: 2

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 1

Villiers, Wilgepoort Veedienste

Beef: 3

Vrede, Saulshoek Diereseondheid.

Beef: 1

Vrede, Vrede Dierehospitaal

Beef: 1

One farm

Warden, Warden Dierekliniek

Beef: 2

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

Beef: 1

Dundee, Endumeni Herd health

Beef: 2

Kokstad, E.G.Veterinary Services

Beef: 1

Positive bull, suspect the infection came from a neighbouring farm in the Transkei

Vryheid, Vryheid Privaat Veeartse

Beef: 1

Vibriosis									^
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 (2)	1.4 (5)				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)	1.4 (5)				2.0 (1)
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Mpumalanga

Lydenburg, Longtom Dierekliniek

Beef: 1

Positive on PCR

Gauteng

Rayton, Rayton Dierekliniek

Beef: 1

North West

Potchefstroom, Morvet

Beef: 3

Stella, Stella Dierekliniek

Beef: 3

Free State

Clocolan, Clocolan Dierekliniek

Beef: 2

Dewetsdorp, Platkop Dierekliniek

Beef: 1

Hoopstad, Kameeldoring Dierekliniek

Beef: 2

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 1

Villiers, Wilgepoort Veedienste

Beef: 1

Northern Cape

Kuruman, Kuruman Dierekliniek

Beef: 2

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

Sheep				1.0 (1)	2.0 (2)			1.0 (1)	2.0 (1)
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North West**Vryburg, Vryburg Dierehospitaal**

Sheep: 1

Free State**Warden, Warden Dierekliniek**

Sheep: 1

Winburg, Winburg Dierekliniek

Sheep: 3

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

Sheep: 1

The farm was cleared of the disease 6 years ago. Did not buy in any rams or ewes??

Northern Cape**Kimberley, Staatsveeartse Groep NC**

Sheep: 2

Upington

Bacterial Disease (other)**Q-Fever (*Coxiella burnetii*)**

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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Free State**Vrede, Vrede Dierehospitaal**

Sheep: 1

One outbreak on a farm

Blackquarter

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (1)	2.0 (5)		1.0 (1)	2.0 (3)	2.0 (3)			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	2.0 (1)	2.0 (4)		1.0 (1)	2.0 (3)	2.0 (3)			2.0 (2)
Goat		2.0 (1)							1.0 (1)

Mpumalanga**Lydenburg, Longtom Dierekliniek**

Beef: 2

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

Beef: 1

Pulpy Kidney

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)	1.7 (6)	1.0 (1)	2.0 (2)	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

Sheep	1.0 (1)			3.0 (2)	1.7 (6)	1.0 (1)	2.0 (2)	1.7 (3)	1.0 (1)
Goat		2.0 (1)							

Mpumalanga**Balfour, Balfour Dierekliniek**

Sheep: 1

Gauteng**Bronkhorstspuit, Kerkstraat Dierekliniek**

Goat: 2

North West**Bloemhof, Bloemhof Dierekliniek**

Sheep: 3

Sheep put to grazing in oat field

Stella, Stella Dierekliniek

Sheep: 3

Free State**Clocolan, Clocolan Dierekliniek**

Sheep: 2

Kroonstad, Kroonstad Dierhospitaal

Sheep: 1

Oranjeville, Grasveld Kuddegeseondheid

Sheep: 2

Viljoenskroon, Viljoenskroon Dierekliniek

Sheep: 1

Warden, Warden Dierekliniek

Sheep: 2

Wesselsbron, Wesselsbron Dierekliniek

Sheep: 2

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

Sheep: 1

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

Sheep: 1

Steynsburg, Steynsburg Dierhospitaal

Sheep: 3

Western Cape**Caledon, Overberg Veterinary Hospital**

Sheep: 2

Darling, Tygerberg Dierehospitaal Darling

Sheep: 1

Malmesbury, Malmesbury Dierehospitaal

Sheep: 2

Northern Cape**Kimberley, Staatsveeartse Groep NC**

Sheep: 1

Okiep

Swelled head disease

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

Gauteng**Bronkhorstspuit, Kerkstraat Dierekliniek**

Beef: 1, Goat: 1

Free State**Reitz, Riemland Dierehospitaal**

Beef: 2

Warden, Warden Dierekliniek

Beef: 1

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

Beef: 1

Red gut (cattle)

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

Beef	2.0 (1)			2.0 (2)	2.0 (1)	1.0 (1)			
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Mpumalanga**Hendrina, Mooiplaas Veterinere Dienste**

Beef: 2

North West**Christiana, Christiana Dierehospitaal**

Beef: 1

Vryburg, Molopo Dierekliniek

Beef: 3

Free State**Kroonstad, Kroonstad Dierehospitaal**

Beef: 2

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

Beef: 1

Blood gut (Sheep)

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

Sheep		2.0 (1)			1.3 (3)	1.0 (1)	1.0 (1)	2.0 (1)	2.0 (1)
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Gauteng**Nigel, Nigel Diere Spreekkamer**

Sheep: 2

Free State**Oranjeville, Grasveld Kuddegeseondheid**

Sheep: 2

Viljoenskroon, Viljoenskroon Dierekliniek

Sheep: 1

Villiers, Wilgepoort Veedienste

Sheep: 1

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

Sheep: 1

Eastern Cape**Uitenhage, Uitenhage Dierehospitaal**

Sheep: 1

Western Cape**Darling, Tygerberg Dierehospitaal Darling**

Sheep: 2

Northern Cape**Kuruman, Kuruman Dierekliniek**

Sheep: 2

Tetanus

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)	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 (1)		1.5 (2)	1.0 (1)	1.0 (1)	
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Gauteng

Bapsfontein, Bapsfontein Dierehospitaal

Sheep: 2

Free State

Clocolan, Clocolan Dierekliniek

Sheep: 1

Reitz, Riemland Dierehospitaal

Sheep: 2

Kwazulu-Natal

Camperdown, Camperdown Vet Clinic

Sheep: 1

Eastern Cape

Graaff-Reinet, Camdeboo Veterinary Clinic

Sheep: 1

Brucella abortus



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

North West

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 3

Stella, Stella Dierekliniek

Beef: 3

Vryburg, Vryburg Prov Vet Laboratory

Beef: 1

A total of 4 herds, 428 animals tested. 1 Positive herd.

Free State

Excelsior, Weltevrede Dierekliniek

Beef: 2

Hoopstad, Hoopstad Dierekliniek

Beef: 3

Hoopstad, Kameeldoring Dierekliniek

Beef: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 2

Villiers, Wilgepoort Veedienste

Beef: 3

Vrede, Vrede Dierehospitaal

Beef: 1

New farm, one herd

Northern Cape

Kimberley, Kimberley Dierekliniek

Beef: 2

Kimberley, Vets4all

Dairy: 2

Brucella ovis



PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
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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, Camdeboo Veterinary Clinic

Sheep: 1

Bovine Tuberculosis



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

Western Cape

Paarl, Paarl Dierehospitaal;

Dairy: 1

Confirmed at Ondertepoort

Johne`s disease



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

Sheep

1.5 (2)

Western Cape

Caledon, Overberg Veterinary Hospital

Sheep: 2

Ceres, Ceres Veterinary Hospital

Sheep: 1

Septicaemia									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)					2.0 (1)		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	1.0 (1)					2.0 (1)			
Dairy								2.0 (1)	
Sheep									3.0 (1)
Mpumalanga									
Piet Retief, Pets Vet Hospital									
Beef: 1									
Kwazulu-Natal									
Dundee, Endumeni Herd health									
Beef: 2									
Western Cape									
Malmesbury, Malmesbury Dierehospitaal									
Dairy: 2									
Northern Cape									
Calvinia, Calvinia Veeartskliniek									
Sheep: 3									
E. coli septicaemia									
E. coli									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (1)			2.5 (4)	2.4 (13)	1.7 (3)		2.0 (4)	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)			2.0 (2)	2.3 (4)	2.0 (2)			
Dairy					2.0 (1)			2.0 (3)	
Sheep				3.0 (2)	2.5 (8)	1.0 (1)		2.0 (1)	2.0 (1)
Mpumalanga									
Balfour, Balfour Dierekliniek									
Beef: 2									
North West									
Klerksdorp, Klerksdorp Dierehospitaal									
Beef: 3, Sheep: 3									
Leeudoringstad, Leeudoringstad Dierekliniek									
Sheep: 3									

Lambs

Vryburg, Molopo Dierekliniek

Beef: 1

Free State

Bultfontein, Greylingrust Dieresprekkamer

Beef: 2, Sheep: 3

Clocolan, Clocolan Dierekliniek

Beef: 1, Dairy: 2, Sheep: 2

Excelsior, Weltevrede Dierekliniek

Sheep: 3

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Oranjeville, Grasveld Kuddegondheid

Sheep: 1

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 3, Sheep: 3

Villiers, Wilgepoort Veedienste

Sheep: 3

Wesselsbron, Wesselsbron Dierekliniek

Sheep: 2

Kwazulu-Natal

Dundee, Endumeni Herd health

Beef: 1

Mooi River, Mooirivier Vet Clinic

Sheep: 1

Underberg, Underberg Veterinary Surgery

Beef: 3

Western Cape

Beaufort West, Beaufort West State Vet

Sheep: 2

Young lambs, about 3 months of age

Caledon, Caledon Dierekliniek

Dairy: 3

George, George Herd Heath Consult

Dairy: 2

Malmesbury, Dr Otto Kriek

Dairy: 1

Northern Cape

Postmasburg, Postmasburg Dierekliniek

Sheep: 2

Enzootic Abortion									^
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								1.0 (1)	2.0 (1)
Goat		2.0 (1)							

Gauteng

Bronkhorstspuit, Kerkstraat Dierekliniek

Goat: 2

Western Cape

Wellington, Wellington Dierehospitaal

Sheep: 1

Lambs, one flock

Northern Cape

Kuruman, Kuruman Dierekliniek

Sheep: 2

Dermatophilosis (Lumpy Wool)



PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)				2.4 (5)		3.0 (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	1.0 (1)				2.4 (5)		3.0 (1)	1.0 (1)	
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Mpumalanga

Volkswest, Cape Cross Volkswest Dierehospitaal

Sheep: 1

Free State

Bultfontein, Greyling'srust Dierespreekkamer

Sheep: 2

Clocolan, Clocolan Dierekliniek

Sheep: 2

Reitz, Riemland Dierehospitaal

Sheep: 2

Warden, Warden Dierekliniek

Sheep: 3

Wesselsbron, Wesselsbron Dierekliniek

Sheep: 3

Eastern Cape

Cradock, Cradock Veterinary Clinic

Sheep: 3

Lambs, late rains

Western Cape

Beaufort West, Beaufort West State Vet

Sheep: 1

Communal animals

Intrauterine Gangrene



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

Other									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average							3.0 (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							3.0 (1)	1.0 (1)	
Eastern Cape									
Port Alfred, Kowie Veterinary Clinic									
Beef: 3									
Staphylococcus and clostridial dermatitis and vasculitis - 30 cases in a herd near Bathurst - suspected came from thorn branch wounds followed by chicken litter in pasture									
Western Cape									
Ceres, Ceres Veterinary Hospital									
Beef: 1									
Wooden jaw									
Pasteurellosis									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average				2.0 (1)	2.7 (6)	2.0 (2)	3.0 (1)	3.0 (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)	2.5 (2)	2.0 (2)			
Sheep					2.8 (4)		3.0 (1)	3.0 (1)	
Goat									3.0 (1)
North West									
Bloemhof, Bloemhof Dierekliniek									
Beef: 2									
Pasteurella septicaemia, 5 cattle died									
Free State									
Clocolan, Clocolan Dierekliniek									
Sheep: 2									
Villiers, Wilgepoort Veedienste									
Beef: 3, Sheep: 3									
Vrede, Vrede Dierehospitaal									
Sheep: 3									
Confirmed on 2 farms									
Warden, Warden Dierekliniek									
Beef: 2, Sheep: 3									
Kwazulu-Natal									
Bergville, Bergville Veterinary Clinic									

Beef: 2

Dundee, Endumeni Herd health

Beef: 2

Eastern Cape

Stutterheim, Stutterheim Veterinary Clinic

Sheep: 3

Pasteurella septicaemia, acute deaths

Western Cape

Piketberg, Piketberg Dierehospitaal

Sheep: 3

Lambs

Northern Cape

Colesberg, Karoo Veterinary Hospital

Goat: 3

Klebsiella



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)

Western Cape

Heidelberg (WC), Heidelberg Dierekliniek

Sheep: 2

Protozoal diseases (other)

Besnoitiosis



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)

North West

Rustenburg, Bergbos Dierekliniek

Beef: 2

Coccidiosis



PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.5 (2)	2.0 (1)		1.0 (1)	2.2 (5)	1.0 (1)	2.0 (3)	2.0 (4)	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)			1.0 (1)	
Dairy							2.0 (1)	
Sheep	2.5 (2)	2.0 (1)		2.3 (4)			2.5 (2)	
Goat					1.0 (1)	2.0 (3)		2.0 (1)

Mpumalanga

Standerton, Econovet

Sheep: 2

Volksrust, Cape Cross Volksrust Dierehospitaal

Sheep: 3

Gauteng

Pretoria, Anima Veterinary Consulting Rooms

Sheep: 2

North West

Christiana, Christiana Dierehospitaal

Beef: 1

Free State

Clocolan, Clocolan Dierekliniek

Beef: 2

Kroonstad, Kroonstad Dierehospitaal

Sheep: 3

Oranjeville, Grasveld Kuddegeseondheid

Sheep: 2

Reitz, Riemland Dierehospitaal

Sheep: 2

Villiers, Wilgepoort Veedienste

Sheep: 2

Kwazulu-Natal

Pongola, Pongola Animal Clinic

Goat: 1

Eastern Cape

Graaff-Reinet, Camdeboo Veterinary Clinic

Goat: 2

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Goat: 2

Port Alfred, Kowie Veterinary Clinic

Goat: 2

Two cases in goats - Martindale

Western Cape

Darling, Tygerberg Dierehospitaal Darling

Sheep: 2

George, George Animal Hospital

Sheep: 3

George, George Herd Heath Consult

Dairy: 2

Stellenbosch, Stellenbosch Animal Hospital

Beef: 1

Northern Cape

Kuruman, Kuruman Dierekliniek

Goat: 2

Cryptosporidium									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average		1.5 (2)		3.0 (2)	2.1 (16)	2.5 (4)	3.0 (1)	2.4 (10)	
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)	1.7 (3)	2.5 (2)		2.0 (1)	
Dairy					2.0 (2)	3.0 (1)		2.0 (4)	
Sheep		1.0 (1)		3.0 (1)	2.3 (11)	2.0 (1)	3.0 (1)	2.8 (5)	

Gauteng
Magaliesburg, Magaliesburg; Dr Ryan Jeffrey
Beef: 2
Pretoria, Anima Veterinary Consulting Rooms
Sheep: 1
North West
Vryburg, Vryburg Dierehospitaal
Beef: 3, Sheep: 3
Free State
Bultfontein, Greylingrust Dieresprekkamer
Sheep: 3
Clocolan, Clocolan Dierekliniek
Beef: 2, Dairy: 2, Sheep: 3
Excelsior, Weltevrede Dierekliniek
Sheep: 3
Ficksburg, Oosvrystaat Dier Produkte
Beef: 2, Sheep: 3
Kroonstad, Kroonstad Dierehospitaal
Dairy: 2, Sheep: 3
Oranjeville, Grasveld Kuddegeseondheid
Sheep: 2
Parys, Parys Dierekliniek
Sheep: 2
Senekal, Senekal Dierekliniek
Beef: 1, Sheep: 1
Villiers, Wilgepoort Veedienste
Sheep: 2
Vrede, Saulshoek Diereseondheid.
Sheep: 1
Wesselsbron, Wesselsbron Dierekliniek
Sheep: 2
Kwazulu-Natal
Bergville, Bergville Veterinary Clinic
Beef: 2
Dundee, Endumeni Herd health

Beef: 3

Kokstad, E.G.Veterinary Services

Sheep: 2

Cryptosporidiosis outbreaks are decreasing. Think it is more to the fact that lambs are older.

Underberg, Underberg Veterinary Surgery

Dairy: 3

Eastern Cape

Cradock, Cradock Veterinary Clinic

Sheep: 3

Western Cape

Darling, Tygerberg Dierehospitaal Darling

Sheep: 3

George, George Herd Heath Consult

Dairy: 2

Heidelberg (WC), Heidelberg Dierekliniek

Dairy: 1, Sheep: 2

Malmesbury, Bergzicht Dierehospitaal

Sheep: 3

Multiple herds.

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 2, Sheep: 3

Swellendam, Swellendam Dierehospitaal

Dairy: 3

Wellington, Wellington Dierehospitaal

Sheep: 3

Fungal diseases

Ringworm

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	3.0 (1)	2.0 (1)	1.0 (1)	3.0 (2)	1.8 (5)	1.5 (2)		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	3.0 (1)		1.0 (1)	3.0 (2)	1.8 (4)	1.5 (2)		1.5 (2)	1.0 (1)
Sheep		2.0 (1)			2.0 (1)			2.0 (1)	

Mpumalanga

Volkstrust, Cape Cross Volkstrust Dierehospitaal

Beef: 3

Gauteng

Pretoria, Anima Veterinary Consulting Rooms

Sheep: 2

Limpopo

Polokwane, Pietersburg Veterinary Clinic

Beef: 1

North West

Christiana, Christiana Dierehospitaal

Beef: 3

Vryburg, Vryburg Dierehospitaal

Beef: 3

Free State

Bultfontein, Greylingrust Dieresprekkamer

Sheep: 2

Frankfort, Frankfort Dierekliniek

Beef: 2

Kroonstad, Kroonstad Dierehospitaal

Beef: 2

Memel, Memel Veterinary Clinic

Beef: 1

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 2

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Mtubatuba, Mtubatuba Animal Clinic

Beef: 1

Western Cape

Caledon, Overberg Veterinary Hospital

Beef: 2

Malmesbury, Malmesbury Dierehospitaal

Sheep: 2

Stellenbosch, Stellenbosch Animal Hospital

Beef: 1

Northern Cape

Kimberley, Staatsveeartse Groep NC

Beef: 1

Loxton

Viral Diseases (other)

BMC (snotsiekte)



PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (3)	1.0 (1)	2.0 (2)	2.5 (4)	1.7 (3)		1.0 (1)	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	2.0 (3)	1.0 (1)	2.0 (2)	2.5 (4)	1.7 (3)		1.0 (1)	1.0 (1)	1.0 (2)
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Mpumalanga

Grootvlei, Grootvlei Dierekliniek

Beef: 1

Middelburg, Neil Fourie Veeartsenydienste

Beef: 2

Volksrust, Cape Cross Volksrust Dierehospitaal

Beef: 3

Gauteng

Pretoria, Anima Veterinary Consulting Rooms

Beef: 1

Limpopo

Mokopane, Bundu Veterinary Services

Beef: 2

Vaalwater, Vaalwater Dierespreekkamer

Beef: 2

Five cases

North West

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 1

Leeudoringstad, Leeudoringstad Dierekliniek

Beef: 3

Potchefstroom, Morvet

Beef: 3

Wildebeest and sheep associated BMC. about 60 cattle died

Ventersdorp, Ventersdorp Dierekliniek

Beef: 3

Free State

Bethlehem, Union Street Animal Consulting Rooms

Beef: 1

Parys, Parys Dierekliniek

Beef: 2

Villiers, Wilgepoort Veedienste

Beef: 2

Eastern Cape

Queenstown, Queenstown Veterinary clinic

Beef: 1

Western Cape

Beaufort West, Beaufort West State Vet

Beef: 1

Sheep associated. Big farm where cattle and sheep graze together.

Northern Cape

Kimberley, Kimberley Dierekliniek

Beef: 1

Kimberley, Staatsveeartse Groep NC

Beef: 1

Williston

BVD (Bovine viral diarrhoea)



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

Magaliesburg, Magaliesburg; Dr Ryan Jeffrey

Beef: 2

Permanent infective calves in a Wagyu herd

Free State									
Villiers, Wilgepoort Veedienste									
Beef: 1									
Kwazulu-Natal									
Mooi River, Mooirivier Vet Clinic									
Beef: 1									
IBR (Infectious bovine rhinotracheitis)									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average		1.0 (1)				2.5 (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)				2.5 (2)		1.0 (1)	
Gauteng									
Bapsfontein, Bapsfontein Dierehospitaal									
Beef: 1									
Kwazulu-Natal									
Bergville, Tugela Vet Clinic									
Beef: 2									
Pietermaritzburg, Veterinary House Hospital									
Beef: 3									
Western Cape									
Piketberg, Piketberg Dierehospitaal									
Beef: 1									
Nguni bull									
BRSV (Bovine respiratory syncytial virus)									^
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									
Beef						3.0 (1)			
Kwazulu-Natal									
Pietermaritzburg, Veterinary House Hospital									
Beef: 3									
PI3									^
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

Beef	3.0 (1)
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Kwazulu-Natal

Pietermaritzburg, Veterinary House Hospital

Beef: 3

Enzootic Bovine Leucosis (EBL)

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 (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)			1.0 (1)	
Dairy						1.0 (1)		1.3 (3)	

Free State

Parys, Parys Dierekliniek

Beef: 2

Kwazulu-Natal

Underberg, Underberg Veterinary Surgery

Dairy: 1

Western Cape

George, George Animal Hospital

Dairy: 1

Malmesbury, Dr Otto Kriek

Dairy: 1

Paarl, Paarl Dierehospitaal;

Dairy: 2

Stellenbosch, Stellenbosch Animal Hospital

Beef: 1

Orf

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (1)	1.0 (3)		2.5 (4)	2.7 (11)	1.7 (3)	1.0 (2)	1.4 (5)	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 (3)		3.0 (1)	2.7 (9)	1.0 (1)	1.0 (1)	1.0 (3)	
Goat				2.3 (3)	3.0 (2)	2.0 (2)	1.0 (1)	2.0 (2)	2.0 (1)

Mpumalanga

Lydenburg, Lydenburg Dieresprekkamer

Sheep: 2

Gauteng

Bapsfontein, Bapsfontein Dierehospitaal

Sheep: 1

Bronkhorstspuit, Kerkstraat Dierekliniek

Sheep: 1

Pretoria, Anima Veterinary Consulting Rooms

Sheep: 1

North West

Brits, Brits Dierekliniek

Goat: 2

Christiana, Christiana Dierehospitaal

Goat: 2

Stella, Stella Dierekliniek

Sheep: 3

Ventersdorp, Ventersdorp Dierekliniek

Goat: 3

Free State

Excelsior, Weltevrede Dierekliniek

Sheep: 3

Frankfort, Frankfort Dierekliniek

Sheep: 2

Hoopstad, Hoopstad Dierekliniek

Sheep: 3

Hoopstad, Kameeldoring Dierekliniek

Sheep: 3, Goat: 3

Kroonstad, Kroonstad Dierehospitaal

Sheep: 3, Goat: 3

Oranjeville, Grasveld Kuddegeseondheid

Sheep: 3

Philippolis, Rowelsfontein veearts Spreekkamer

Sheep: 2

Villiers, Wilgepoort Veedienste

Sheep: 2

Wesselsbron, Wesselsbron Dierekliniek

Sheep: 3

Kwazulu-Natal

Pongola, Pongola Animal Clinic

Goat: 1

Underberg, Underberg Veterinary Surgery

Sheep: 1

Vryheid, Vryheid Privaat Veeartse

Goat: 3

Eastern Cape

Graaff-Reinet, Camdeboo Veterinary Clinic

Goat: 1

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Sheep: 1

Western Cape

Beaufort West, Beaufort Dierekliniek

Sheep: 1

Heidelberg (WC), Heidelberg Dierekliniek

Sheep: 1

Oudtshoorn, Ostrimed

Sheep: 1

Stellenbosch, Stellenbosch Animal Hospital

Goat: 1

Swellendam, Swellendam Dierehospitaal

Goat: 3

Northern Cape**Postmasburg, Postmasburg Dierekliniek**

Goat: 2

Warts									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (2)	1.0 (1)		2.0 (3)	2.1 (7)	1.5 (2)	1.0 (1)	1.0 (1)	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	2.0 (2)	1.0 (1)		2.0 (3)	2.0 (5)	1.5 (2)			2.5 (2)
Dairy					2.0 (1)				
Sheep					3.0 (1)				
Goat							1.0 (1)	1.0 (1)	3.0 (1)

Mpumalanga**Lydenburg, Lydenburg Dieresprekkamer**

Beef: 2

Piet Retief, Pets Vet Hospital

Beef: 2

Gauteng**Nigel, Nigel Diere Spreekkamer**

Beef: 1

North West**Brits, Brits Dierekliniek**

Beef: 2

Christiana, Christiana Dierehospitaal

Beef: 2

Vryburg, Vryburg Dierehospitaal

Beef: 2

Free State**Bultfontein, Greylingrust Dieresprekkamer**

Sheep: 3

Frankfort, Frankfort Dierekliniek

Beef: 3

Hoopstad, Kameeldoring Dierekliniek

Beef: 2

Kroonstad, Kroonstad Dierehospitaal

Dairy: 2

Oranjeville, Grasveld Kuddegondheid

Beef: 2
Viljoenskroon, Viljoenskroon Dierekliniek
Beef: 1
Warden, Warden Dierekliniek
Beef: 2
Kwazulu-Natal
Mtubatuba, Mtubatuba Animal Clinic
Beef: 1
Vryheid, Vryheid Privaat Veeartse
Beef: 2
Eastern Cape
Uitenhage, Uitenhage Dierehospitaal
Goat: 1
Western Cape
Stellenbosch, Stellenbosch Animal Hospital
Goat: 1
Northern Cape
Kimberley, Kimberley Dierekliniek
Beef: 2
Papilloma virus, seen at abattoir
Kuruman, Kuruman Dierekliniek
Beef: 3, Goat: 3

Rota virus	^
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PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average					2.0 (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 (2)				
Dairy								2.0 (3)	

Free State
Bultfontein, Greylingrust Dieresprekkamer
Beef: 3
Clocolan, Clocolan Dierekliniek
Beef: 1
Western Cape
Caledon, Caledon Dierekliniek
Dairy: 3
George, George Herd Heath Consult
Dairy: 1
Heidelberg (WC), Heidelberg Dierekliniek
Dairy: 2

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

Free State									
Clocolan, Clocolan Dierekliniek									
Beef: 1									
Western Cape									
Malmesbury, Malmesbury Dierehospitaal									
Dairy: 1									

Poisonings (Plant) and Fungal

Cardiac glycoside poisoning

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

Beef	1.5 (2)								
Sheep								2.0 (1)	

Mpumalanga									
Bethal, Bethal Dierekliniek									
Beef: 1									
Ermelo, Môregloed Veterinêre Spreekkamer									
Beef: 2									
Western Cape									
Beaufort West, Beaufort West State Vet									
Sheep: 2									
Veld drying off after rains in certain areas. Acute deaths, wtstorm or tulip poisoning??									

Cestrum (ink berry)

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	3.0 (1)	2.0 (3)		3.0 (1)	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)	2.0 (2)		3.0 (1)	2.0 (4)				
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Sheep	2.0 (1)								
Mpumalanga									
Ermelo, Môregloed Veterinere Spreekkamer									
Beef: 3									
Gauteng									
Bronkhorstspuit, Kerkstraat Dierekliniek									
Beef: 2, Sheep: 2									
Rayton, Rayton Dierekliniek									
Beef: 2									
North West									
Leeudoringstad, Leeudoringstad Dierekliniek									
Beef: 3									
Free State									
Bultfontein, Greylingsrust Dierespreekkamer									
Beef: 2									
Hoopstad, Hoopstad Dierekliniek									
Beef: 3									
Reitz, Riemland Dierehospitaal									
Beef: 2									
Viljoenskroon, Viljoenskroon Dierekliniek									
Beef: 1									
Cynanchum poisoning									^
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)	
Western Cape									
Swellendam, Swellendam Dierehospitaal									
Sheep: 3									
Facial eczema									^
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									
Dairy								2.0 (1)	
Sheep					3.0 (1)				
Free State									
Warden, Warden Dierekliniek									
Sheep: 3									

Western Cape**George, George Herd Heath Consult**

Dairy: 2

Lantana

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	3.0 (1)	2.0 (1)	1.0 (1)	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 (1)	1.0 (1)	1.0 (1)		2.0 (3)			
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Mpumalanga**Piet Retief, Pets Vet Hospital**

Beef: 3

Gauteng**Rayton, Rayton Dierekliniek**

Beef: 2

Limpopo**Tzaneen, ZZ2 Farm Practice**

Beef: 1

North West**Rustenburg, Bergbos Dierekliniek**

Beef: 1

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

Beef: 2

Dundee, Endumeni Herd health

Beef: 2

Eshowe, Eshowe Veterinary Hospital

Beef: 2

Two cases

Prussic acid poisoning

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

Free State**Reitz, Riemland Dierehospitaal**

Beef: 1

Western Cape

Ceres, Ceres Veterinary Hospital

Sheep: 3

Tulip Poisoning

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

Beef: 3

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

Beef: 3

Mycotoxycosis

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

Dairy								2.5 (2)	
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Western Cape**Darling, Tygerberg Dierehospitaal Darling**

Dairy: 3

Malmesbury, Malmesbury Dierehospitaal

Dairy: 2

Diplodiosis

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

Beef: 1

Other									^
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									
Beef	1.0 (1)								
Sheep						2.0 (1)			
Mpumalanga									
Hendrina, Mooiplaas Veterinere Dienste									
Beef: 1									
Grass tetany									
Kwazulu-Natal									
Estcourt, Estcourt Vet Clinic									
Sheep: 2									
Poisonings									
Datura									^
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, Camdeboo Veterinary Clinic									
Sheep: 1									
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)	
Western Cape									
Caledon, Overberg Veterinary Hospital									
Sheep: 3									
Urea Poisoning									^

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)			1.0 (1)	2.3 (4)	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)	2.5 (2)	2.0 (1)			
Sheep					2.0 (2)				

Mpumalanga

Grootvlei, Grootvlei Dierekliniek

Beef: 1

North West

Ventersdorp, Ventersdorp Dierekliniek

Beef: 1

Free State

Excelsior, Weltevrede Dierekliniek

Beef: 2

Frankfort, Frankfort Dierekliniek

Beef: 3

Viljoenskroon, Viljoenskroon Dierekliniek

Sheep: 3

Villiers, Wilgepoort Veedienste

Sheep: 1

Kwazulu-Natal

Mooi River, Mooirivier Vet Clinic

Beef: 2

Snake Bite



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

Lydenburg, Longtom Dierekliniek

Sheep: 1

Mamba

Free State

Hoopstad, Hoopstad Dierekliniek

Beef: 1

Blue-green algae

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)

Free State

Oranjeville, Grasveld Kuddegesondheid

Beef: 2

Western Cape

Caledon, Overberg Veterinary Hospital

Sheep: 3

Chemical products

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

North West

Vryburg, Vryburg Dierhospitaal

Beef: 3

Western Cape

George, George Herd Heath Consult

Dairy: 1

Deltamethrin toxicity n small calves

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)	1.0 (1)
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Mpumalanga

Bethal, Bethal Dierekliniek

Beef: 1

Rumen alkalosis due to overeating of soyas

Free State

Memel, Memel Veterinary Clinic

Beef: 1

Macro Nutritional Problems

Energy deficiency



PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average		1.0 (1)		2.0 (1)	1.5 (4)	3.0 (3)	2.5 (2)	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)	1.5 (2)	3.0 (2)	2.0 (1)	2.0 (1)	2.0 (1)
Dairy								2.0 (1)	
Sheep					1.5 (2)	3.0 (1)	3.0 (1)	2.0 (1)	

Gauteng

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 1

PEM: Protein Energy Malabsorbtion

North West

Schweizer-Reneke, Buffeldoorn Dierekliniek SR

Beef: 2

Free State

Clocolan, Clocolan Dierekliniek

Sheep: 1

Villiers, Wilgepoort Veedienste

Beef: 2, Sheep: 2

Vrede, Saulshoek Dieregesondheid.

Beef: 1

Kwazulu-Natal

Eshowe, Eshowe Veterinary Hospital

Beef: 3

Twenty cases of protein, energy malabsorbtion (PEM)

Underberg, Underberg Veterinary Surgery

Beef: 3

Vryheid, Vryheid Privaat Veeartse

Sheep: 3

Eastern Cape

Alexandria, Alexandria Platteland Spreekkamer

Beef: 2

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Sheep: 3

Western Cape**Malmesbury, Malmesbury Dierehospitaal**

Beef: 2, Dairy: 2, Sheep: 2

Northern Cape**Postmasburg, Postmasburg Dierekliniek**

Beef: 2

Protein 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)	1.5 (2)	2.0 (1)	2.0 (1)	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)	1.0 (1)	2.0 (1)	1.0 (1)	2.0 (1)	2.0 (1)	2.0 (1)	2.0 (1)
Dairy								2.0 (1)	
Sheep					2.0 (1)			2.0 (1)	

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

Beef: 1

PEM: Protein Energy Malabsorbtion

Limpopo**Polokwane, Pietersburg Veterinary Clinic**

Beef: 1

North West**Schweizer-Reneke, Buffeldoorn Dierekliniek SR**

Beef: 2

Free State**Villiers, Wilgepoort Veedienste**

Sheep: 2

Vrede, Saulshoek Dieregesondheid.

Beef: 1

Kwazulu-Natal**Underberg, Underberg Veterinary Surgery**

Beef: 2

Eastern Cape**Alexandria, Alexandria Platteland Spreekkamer**

Beef: 2

Western Cape**Malmesbury, Malmesbury Dierehospitaal**

Beef: 2, Dairy: 2, Sheep: 2

Northern Cape**Postmasburg, Postmasburg Dierekliniek**

Beef: 2

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

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

Limpopo

Polokwane, Pietersburg Veterinary Clinic

Beef: 2

North West

Christiana, Christiana Dierehospitaal

Beef: 2

Free State

Clocolan, Clocolan Dierekliniek

Sheep: 1

Eastern Cape

Steynsburg, Steynsburg Dierehospitaal

Sheep: 3

Northern Cape

Kuruman, Kuruman Dierekliniek

Beef: 2

Postmasburg, Postmasburg Dierekliniek

Beef: 2

Calcium deficiency									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average					2.0 (2)	3.0 (1)	1.0 (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)	2.0 (1)	
Dairy						3.0 (1)		2.5 (2)	
Sheep					2.0 (2)			2.0 (2)	

Free State

Bultfontein, Greylingrust Dierespreekkamer

Sheep: 2

Villiers, Wilgepoort Veedienste

Sheep: 2

Kwazulu-Natal**Underberg, Underberg Veterinary Surgery**

Dairy: 3

Eastern Cape**Alexandria, Alexandria Platteland Spreekkamer**

Beef: 1

Western Cape**Caledon, Overberg Veterinary Hospital**

Dairy: 2

Heidelberg (WC), Heidelberg Dierekliniek

Sheep: 2

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 3, Sheep: 2

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)	3.0 (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)	3.0 (1)			
Dairy								1.0 (1)	

Free State**Oranjeville, Grasveld Kuddegeseondheid**

Beef: 1

Kwazulu-Natal**Underberg, Underberg Veterinary Surgery**

Beef: 3

Western Cape**Darling, Tygerberg Dierehospitaal Darling**

Dairy: 1

Zinc deficiency

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

Kwazulu-Natal**Underberg, Underberg Veterinary Surgery**

Beef: 3

Western Cape

Darling, Tygerberg Dierehospitaal Darling

Dairy: 1

Selenium deficiency



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

Gauteng

Pretoria, Anima Veterinary Consulting Rooms

Sheep: 2

North West

Christiana, Christiana Dierehospitaal

Sheep: 3

Kwazulu-Natal

Underberg, Underberg Veterinary Surgery

Beef: 3

Eastern Cape

Graaff-Reinet, Camdeboo Veterinary Clinic

Goat: 1

Vitamin A deficiency



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

North West

Christiana, Christiana Dierehospitaal

Beef: 3, Sheep: 3

Free State

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Oranjeville, Grasveld Kuddegeseondheid

Sheep: 2

Vitamin B1 deficiency [^](#)

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

Gauteng

Nigel, Nigel Diere Spreekkamer

Beef: 1

North West

Vryburg, Vryburg Dierhospitaal

Goat: 1

Free State

Bultfontein, Greylingrust Dieresprekkamer

Sheep: 3

Villiers, Wilgepoort Veedienste

Sheep: 2

Warden, Warden Dierekliniek

Sheep: 2

Multi-factorial Disease Conditions

Abortions [^](#)

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (1)	2.0 (2)	1.5 (2)		2.2 (13)	1.9 (8)		1.9 (9)	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)		2.1 (7)	2.2 (6)		1.5 (2)	
Dairy								2.0 (6)	
Sheep	2.0 (1)				2.3 (6)	1.0 (1)		2.0 (1)	2.0 (1)
Goat		2.0 (1)	2.0 (1)			1.0 (1)			

Mpumalanga

Bethal, Bethal Dierekliniek

Sheep: 2

Gauteng

Bronkhorstspuit, Kerkstraat Dierekliniek

Beef: 2

Pretoria, Anima Veterinary Consulting Rooms

Goat: 2

Limpopo

Mokopane, Bundu Veterinary Services

Goat: 2

Tzaneen, ZZ2 Farm Practice

Beef: 1

Free State

Bultfontein, Greylingrust Dieresprekkamer

Beef: 2

Excelsior, Weltevrede Dierekliniek

Sheep: 2

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Oranjeville, Grasveld Kuddegondheid

Beef: 2, Sheep: 2

Philippolis, Rowelsfontein veearts Spreekkamer

Sheep: 1

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 3, Sheep: 3

Villiers, Wilgepoort Veedienste

Beef: 3, Sheep: 3

Vrede, Saulshoek Diergesondheid.

Beef: 1

Warden, Warden Dierekliniek

Beef: 1

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Bergville, Tugela Vet Clinic

Beef: 1, Sheep: 1, Goat: 1

Dundee, Endumeni Herd health

Beef: 2

Mooi River, Mooirivier Vet Clinic

Beef: 2

Pietermaritzburg, Veterinary House Hospital

Beef: 3

Underberg, Underberg Veterinary Surgery

Beef: 3

Western Cape

Caledon, Overberg Veterinary Hospital

Dairy: 1

Darling, Tygerberg Dierhospitaal Darling

Dairy: 3

Malmesbury, Dr Otto Kriek

Dairy: 1

Malmesbury, Malmesbury Dierhospitaal

Beef: 2, Dairy: 3, Sheep: 2

Stellenbosch, Stellenbosch Animal Hospital

Beef: 1, Dairy: 1

Swellendam, Swellendam Dierhospitaal

Dairy: 3

Northern Cape

Kimberley, Staatsveeartse Groep NC

Sheep: 2

Mothibistad

Stillbirths



PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average		1.0 (1)			2.2 (5)	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		1.0 (1)			2.0 (2)	2.0 (1)		2.0 (1)	
Dairy								1.5 (2)	
Sheep					2.3 (3)			2.0 (1)	

Gauteng

Nigel, Nigel Diere Spreekkamer

Beef: 1

Free State

Bultfontein, Greylingrust Dieresprekkamer

Beef: 1

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Philippolis, Rowelsfontein veearts Spreekkamer

Sheep: 2

Wesselsbron, Wesselsbron Dierekliniek

Sheep: 2

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Western Cape

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 2, Sheep: 2

Stellenbosch, Stellenbosch Animal Hospital

Dairy: 1

Abscesses



PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	3.0 (2)	1.5 (4)		2.7 (3)	1.9 (7)	1.8 (10)	2.5 (2)	2.0 (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	3.0 (1)	1.0 (1)		3.0 (1)	2.0 (3)	1.8 (6)		2.5 (2)	1.0 (1)
Dairy					1.0 (1)			1.7 (3)	
Sheep	3.0 (1)	2.0 (1)		2.5 (2)	2.0 (3)	2.0 (2)	2.5 (2)	2.0 (1)	
Goat		1.5 (2)				1.5 (2)			

Mpumalanga

Hendrina, Mooiplaas Veterinere Dienste

Beef: 3

Lydenburg, Longtom Dierekliniek

Sheep: 3

Interdigital abscesses; Corynebacterium abscesses, foot abscesses

Gauteng

Bronkhorstspuit, Kerkstraat Dierekliniek

Beef: 1

Pretoria, Anima Veterinary Consulting Rooms

Sheep: 2, Goat: 2

Rayton, Rayton Dierekliniek

Goat: 1

North West

Christiana, Christiana Dierehospitaal

Beef: 3, Sheep: 3

Vryburg, Vryburg Dierehospitaal

Sheep: 2

Free State

Bloemfontein, University Free State

Dairy: 1

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Villiers, Wilgepoort Veedienste

Beef: 2, Sheep: 2

Wesselsbron, Wesselsbron Dierekliniek

Beef: 1, Sheep: 1

Kwazulu-Natal

Dundee, Endumeni Herd health

Beef: 2, Sheep: 2

Eshowe, Eshowe Veterinary Hospital

Beef: 2

Mooi River, Mooirivier Vet Clinic

Beef: 2

Pietermaritzburg, Veterinary House Hospital

Beef: 2

Pongola, Pongola Animal Clinic

Beef: 1, Goat: 1

Vryheid, Vryheid Privaat Veeartse

Beef: 2, Sheep: 2, Goat: 2

Eastern Cape

Cradock, Cradock Veterinary Clinic

Sheep: 3

Grass awns, huge problem

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Sheep: 2

Western Cape**Malmesbury, Dr Otto Kriek**

Dairy: 1

Malmesbury, Malmesbury Dierehospitaal

Dairy: 2, Sheep: 2

Paarl, Paarl Dierehospitaal;

Beef: 3

Swellendam, Swellendam Dierehospitaal

Beef: 2, Dairy: 2

Northern Cape**Kimberley, Kimberley Dierekliniek**

Beef: 1

Bladder stones

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
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Average	1.0 (1)				1.0 (5)				
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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 (2)				
Sheep	1.0 (1)				1.0 (3)				

Mpumalanga**Bethal, Bethal Dierekliniek**

Sheep: 1

Free State**Ficksburg, Oosvrystaat Diere Produkte**

Beef: 1

Hoopstad, Hoopstad Dierekliniek

Sheep: 1

Kroonstad, Kroonstad Dierehospitaal

Beef: 1

Philippolis, Rowelsfontein veearts Spreekkamer

Sheep: 1

Reitz, Riemland Dierehospitaal

Sheep: 1

Blindness

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
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Average				2.0 (1)	1.8 (4)		3.0 (2)	2.0 (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 (2)		3.0 (1)	
Sheep		2.0 (1)	1.5 (2)		3.0 (1)	2.0 (1)

North West

Brits, Brits Direkliniek

Sheep: 2

Free State

Excelsior, Weltevrede Direkliniek

Beef: 1

Philippolis, Rowelsfontein veearts Spreekkamer

Sheep: 2

Villiers, Wilgepoort Veedienste

Beef: 3

Wesselsbron, Wesselsbron Direkliniek

Sheep: 1

Eastern Cape

Steynsburg, Steynsburg Dierehospitaal

Beef: 3, Sheep: 3

Western Cape

Caledon, Overberg Veterinary Hospital

Sheep: 2

Bloat [^](#)

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)		2.3 (8)			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)	1.0 (2)	1.0 (1)		1.8 (5)			1.5 (2)	
Dairy								3.0 (1)	
Sheep					3.0 (3)				

Mpumalanga

Grootvlei, Grootvlei Direkliniek

Beef: 1

Gauteng

Nigel, Nigel Diere Spreekkamer

Beef: 1

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 1

Limpopo

Polokwane, Pietersburg Veterinary Clinic

Beef: 1

Free State

Dewetsdorp, Platkop Direkliniek

Beef: 1

Ficksburg, Oosvrystaat Diere Produkte

Beef: 2

Rape in oesophagus

Kroonstad, Kroonstad Dierehospitaal

Sheep: 3

Memel, Memel Veterinary Clinic

Beef: 1

Villiers, Wilgepoort Veedienste

Beef: 2, Sheep: 3

Warden, Warden Dierekliniek

Beef: 3, Sheep: 3

Western Cape**Malmesbury, Malmesbury Dierehospitaal**

Beef: 2, Dairy: 3

Stellenbosch, Stellenbosch Animal Hospital

Beef: 1

Blue udder									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)				1.5 (4)			2.2 (5)	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 (4)			2.3 (4)	2.0 (1)
Goat								2.0 (1)	

Mpumalanga**Lydenburg, Lydenburg Dieresprekkamer**

Sheep: 1

Free State**Bultfontein, Greylingrust Dieresprekkamer**

Sheep: 2

Clocolan, Clocolan Dierekliniek

Sheep: 1

Reitz, Riemland Dierehospitaal

Sheep: 2

Wesselsbron, Wesselsbron Dierekliniek

Sheep: 1

Western Cape**Ceres, Ceres Veterinary Hospital**

Sheep: 2

George, George Animal Hospital

Sheep: 1

Malmesbury, Malmesbury Dierehospitaal

Sheep: 3

Piketberg, Piketberg Dierehospitaal

Sheep: 3

Bacterial culture: *Mannheimia haemolytica*, *Staphylococcus***Worcester, Durban Straat Dierekliniek Worcester**

Goat: 2

Northern Cape

Upington, Upington Veeartsenykliniek

Sheep: 2

Blue udder in Dorper ewes in Kenhard district – animals still fed on veldt. Ewes lamb at water sources and fodder.

Diarrhoea



PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (5)	2.0 (4)		2.6 (9)	2.8 (16)	2.4 (8)		2.5 (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	1.7 (3)	1.7 (3)		2.5 (4)	2.6 (5)	2.3 (4)		2.0 (2)	
Dairy					2.0 (1)	3.0 (1)		3.0 (3)	
Sheep	2.5 (2)	3.0 (1)		2.6 (5)	2.9 (10)	2.5 (2)		2.3 (3)	
Goat						2.0 (1)			

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 2

Bethal, Bethal Dierekliniek

Beef: 1

Hendrina, Mooiplaas Veterinêre Dienste

Beef: 2

Calves

Sheep: 2

Four cases

Lydenburg, Longtom Dierekliniek

Sheep: 3

Soya field after harvesting

Gauteng

Bapsfontein, Bapsfontein Dierehospitaal

Beef: 3, Sheep: 3

Bronkhorstspuit, Kerkstraat Dierekliniek

Beef: 1

Rayton, Rayton Dierekliniek

Beef: 1

North West

Christiana, Christiana Dierehospitaal

Beef: 3, Sheep: 3

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 1, Sheep: 1

Stella, Stella Dierekliniek

Beef: 3, Sheep: 3

Ventersdorp, Ventersdorp Dierekliniek

Sheep: 3

Vryburg, Vryburg Dierehospitaal

Beef: 3, Sheep: 3

Free State**Bultfontein, Greylingrust Dieresprekkamer**

Beef: 3, Sheep: 3

Clocolan, Clocolan Dierekliniek

Beef: 2, Dairy: 2, Sheep: 3

Excelsior, Weltevrede Dierekliniek

Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Sheep: 3

Memel, Memel Veterinary Clinic

Beef: 2, Sheep: 3

Oranjeville, Grasveld Kuddegeseondheid

Sheep: 2

Parys, Parys Dierekliniek

Sheep: 3

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 3, Sheep: 3

Villiers, Wilgepoort Veedienste

Beef: 3, Sheep: 3

Wesselsbron, Wesselsbron Dierekliniek

Sheep: 3

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

Beef: 2

Bergville, Tugela Vet Clinic

Beef: 2, Sheep: 2, Goat: 2

Dundee, Endumeni Herd health

Beef: 3

Mooi River, Mooirivier Vet Clinic

Beef: 2

Underberg, Underberg Veterinary Surgery

Dairy: 3

Vryheid, Vryheid Privaat Veeartse

Sheep: 3

Western Cape**Beaufort West, Beaufort Dierekliniek**

Sheep: 2

Darling, Tygerberg Dierehospitaal Darling

Beef: 2

George, George Herd Heath Consult

Dairy: 3

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 3, Sheep: 2

Oudtshoorn, Ostrimed

Sheep: 3

Lambs

Swellendam, Swellendam Dierehospitaal

Dairy: 3

Epididymitis

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
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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)				
Free State									
Warden, Warden Dierekliniek									
Sheep: 2									
Eye Cancer									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)	1.0 (1)			1.8 (4)	2.0 (1)	3.0 (1)	1.5 (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	1.0 (1)	1.0 (1)			2.0 (2)	2.0 (1)		1.0 (1)	
Dairy					1.0 (1)			1.7 (3)	
Sheep					2.0 (1)		3.0 (1)		
Mpumalanga									
Volksrust, Cape Cross Volksrust Dierehospitaal									
Beef: 1									
Gauteng									
Nigel, Nigel Diere Spreekkamer									
Beef: 1									
Free State									
Dewetsdorp, Platkop Dierekliniek									
Beef: 2									
Kroonstad, Kroonstad Dierehospitaal									
Dairy: 1									
Villiers, Wilgepoort Veedienste									
Sheep: 2									
Warden, Warden Dierekliniek									
Beef: 2									
Kwazulu-Natal									
Bergville, Bergville Veterinary Clinic									
Beef: 2									
Eastern Cape									
Steynsburg, Steynsburg Dierehospitaal									
Sheep: 3									
Western Cape									
George, George Herd Heath Consult									
Dairy: 2									

Malmesbury, Malmesbury Dierehospitaal

Dairy: 1

Stellenbosch, Stellenbosch Animal Hospital

Beef: 1

Swellendam, Swellendam Dierehospitaal

Dairy: 2

Eye infections									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.3 (4)	1.0 (2)	1.0 (1)	3.0 (4)	1.8 (4)	1.7 (3)	1.4 (5)	1.6 (5)	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 (3)		1.0 (1)	3.0 (2)	2.0 (1)	1.7 (3)	1.3 (3)	1.0 (1)	1.5 (2)
Dairy								2.0 (1)	
Sheep	3.0 (1)	1.0 (1)		3.0 (2)	1.7 (3)		1.5 (2)	1.7 (3)	
Goat		1.0 (1)							

Mpumalanga**Ermelo, Môregloed Veterinêre Spreekkamer**

Beef: 1

Grootvlei, Grootvlei Direkliniek

Beef: 2

Lydenburg, Longtom Direkliniek

Beef: 3

Moraxella bovis

Sheep: 3

Gauteng**Pretoria, Anima Veterinary Consulting Rooms**

Sheep: 1

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Goat: 1

Limpopo**Tzaneen, ZZ2 Farm Practice**

Beef: 1

North West**Christiana, Christiana Dierehospitaal**

Beef: 3, Sheep: 3

Leeudoringstad, Leeudoringstad Direkliniek

Beef: 3, Sheep: 3

Free State**Bloemfontein, University Free State**

Sheep: 1

Philippolis, Rowelsfontein veearts Spreekkamer

Sheep: 2

Villiers, Wilgepoort Veedienste

Sheep: 2

Warden, Warden Dierekliniek

Beef: 2

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

Beef: 2

Mooi River, Mooirivier Vet Clinic

Beef: 1

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2

Eastern Cape**Alexandria, Alexandria Platteland Spreekkamer**

Beef: 1

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Sheep: 2

Port Alfred, Kowie Veterinary Clinic

Beef: 2

Nine cases between Port Alfred and Bathurst. Wind, flies, midges, moths etc.

Uitenhage, Uitenhage Dierehospitaal

Beef: 1, Sheep: 1

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

Sheep: 1

Farmer in Richmond, having a problem with treatment

Caledon, Overberg Veterinary Hospital

Sheep: 2

Darling, Tygerberg Dierehospitaal Darling

Beef: 1

Malmesbury, Malmesbury Dierehospitaal

Dairy: 2, Sheep: 2

Northern Cape**Kathu, Kathu Dierekliniek**

Beef: 1

Kimberley, Kimberley Dierekliniek

Beef: 2

Mycoplasma bovis

Joint Ill									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average		1.0 (3)		2.3 (4)	2.0 (5)	2.0 (1)	2.0 (1)	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		1.0 (2)		2.3 (3)	2.0 (1)	2.0 (1)		2.0 (2)	
Dairy								2.0 (1)	
Sheep		1.0 (1)		2.0 (1)	2.0 (4)			2.0 (1)	
Goat							2.0 (1)		

Bronkhorstspruit, Kerkstraat Dierkliniek

Beef: 1, Sheep: 1

Nigel, Nigel Dier Sprekkamer

Beef: 1

North West

Brits, Brits Dierkliniek

Beef: 2

Christiana, Christiana Dierhospitaal

Beef: 3

Klerksdorp, Klerksdorp Dierhospitaal

Beef: 2

Stella, Stella Dierekliniek

Sheep: 2

Free State

Kroonstad, Kroonstad Dierehospitaal

Sheep: 2

Oranjeville, Grasveld Kuddegesondheid

Sheep: 2

Villiers, Wilgepoort Veedienste

Beef: 2, Sheep: 2

Wesselsbron, Wesselsbron Dierekliniek

Sheep: 2

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Eastern Cape

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Goat: 2

Western Cape

Malmesbury, Malmesbury Dierhospitaal

Beef: 2, Dairy: 2, Sheep: 2

Paarl, Paarl Dierhospitaal;

Beef: 2

Lameness/Foot Problems



PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.7 (3)	1.0 (1)	1.0 (1)	2.7 (3)	1.7 (7)	2.0 (4)	2.5 (4)	2.3 (9)	

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)	1.0 (1)	1.0 (1)	2.5 (2)	1.5 (4)	2.0 (2)	3.0 (1)	2.0 (1)	
Dairy						2.0 (1)		2.3 (6)	
Sheep	1.0 (1)				3.0 (1)	2.0 (3)	2.0 (1)	2.5 (2)	2.5 (2)
Goat							2.0 (1)		

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 2

Grootvlei, Grootvlei Dierekliniek

Beef: 2

Hendrina, Mooiplaas Veterinere Dienste

Sheep: 1

Foot rot

Gauteng**Bronkhorstspuit, Kerkstraat Dierekliniek**

Beef: 1

Limpopo**Tzaneen, ZZ2 Farm Practice**

Beef: 1

North West**Christiana, Christiana Dierehospitaal**

Beef: 3, Sheep: 3

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 2

Free State**Bultfontein, Greylingrust Dieresprekkamer**

Beef: 2

Clocolan, Clocolan Dierekliniek

Beef: 2, Sheep: 2

Dewetsdorp, Platkop Dierekliniek

Beef: 1, Sheep: 2

Sore feet, in process of recovering

Kroonstad, Kroonstad Dierehospitaal

Sheep: 2

Parys, Parys Dierekliniek

Beef: 1

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

Beef: 2

Mooi River, Mooirivier Vet Clinic

Beef: 2, Sheep: 2

Underberg, Underberg Veterinary Surgery

Dairy: 2

Eastern Cape**Adelaide, Adelaide Veterinary Clinic**

Sheep: 2

Ophthalmia - a moderate number of animals grazing in long grass with seed heads

Alexandria, Riverview Trading Vet Consulting Services

Beef: 3

Cultured Staphylococcus hyicus and Trueperella pyogenes

Port Alfred, Kowie Veterinary Clinic

Goat: 2

Foot rot/joint abscesses, 3 cases Southwell in goats

Steynsburg, Steynsburg Dierehospitaal

Sheep: 3

Western Cape**Beaufort West, Beaufort Dierekliniek**

Sheep: 3

Aristida grass awns causing severe foot problems in sheep

Darling, Tygerberg Dierehospitaal Darling

Dairy: 2

George, George Animal Hospital

Dairy: 3

George, George Herd Heath Consult

Dairy: 2

Heidelberg (WC), Heidelberg Dierekliniek

Dairy: 2

Malmesbury, Dr Otto Kriek

Dairy: 2

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 3, Sheep: 2

Lung infection									^
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PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.9 (7)	1.4 (5)	1.0 (1)	2.5 (6)	2.2 (9)	2.2 (10)	2.0 (5)	2.3 (11)	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 (5)	1.3 (3)	1.0 (1)	2.3 (3)	2.2 (5)	2.2 (5)		2.3 (3)	
Dairy						3.0 (1)		2.7 (3)	
Sheep	2.0 (2)	1.5 (2)		2.7 (3)	2.3 (4)	2.0 (3)	2.0 (2)	2.0 (5)	3.0 (1)
Goat						2.0 (1)	2.0 (3)		

Mpumalanga**Balfour, Balfour Dierekliniek**

Beef: 2

Bethal, Bethal Dierekliniek

Beef: 1

Grootvlei, Grootvlei Dierekliniek

Beef: 2, Sheep: 1

Hendrina, Mooiplaas Veterinere Dienste

Beef: 3, Sheep: 3

Piet Retief, Pets Vet Hospital

Beef: 1

Gauteng**Bapsfontein, Bapsfontein Dierehospitaal**

Beef: 1

Nigel, Nigel Dier Spreekkamer

Beef: 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**

Beef: 1

North West**Christiana, Christiana Dierehospitaal**

Beef: 2, Sheep: 2

Leeudoringstad, Leeudoringstad Dierekliniek

Sheep: 3

Lambs

Schweizer-Reneke, Buffeldoorn Dierekliniek SR

Beef: 3, Sheep: 3

Ventersdorp, Ventersdorp Dierekliniek

Beef: 2

Free State

Clocolan, Clocolan Dierekliniek

Beef: 2, Sheep: 2

Ficksburg, Oosvrystaat Diere Produkte

Beef: 2

Philippolis, Rowelsfontein veearts Spreekkamer

Sheep: 2

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 2, Sheep: 2

Villiers, Wilgepoort Veedienste

Beef: 3, Sheep: 3

Vrede, Vrede Dierehospitaal

Beef: 2

Suspect IBR

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Bergville, Tugela Vet Clinic

Beef: 2, Sheep: 2, Goat: 2

Dundee, Endumeni Herd health

Beef: 2

Mooi River, Mooirivier Vet Clinic

Beef: 2, Sheep: 1

Underberg, Underberg Veterinary Surgery

Dairy: 3

Vryheid, Vryheid Privaat Veeartse

Beef: 3, Sheep: 3

Eastern Cape

Adelaide, Adelaide Veterinary Clinic

Sheep: 3

Pasteurella pneumonia - high incidence in weaner lambs

Goat: 3

Pasteurella pneumonia - high incidence in weaner lambs

Graaff-Reinet, Camdeboo Veterinary Clinic

Goat: 2

Uitenhage, Uitenhage Dierehospitaal

Sheep: 1, Goat: 1

Western Cape

Beaufort West, Beaufort Dierekliniek

Sheep: 2

Darling, Tygerberg Dierehospitaal Darling

Beef: 2

George, George Animal Hospital

Sheep: 2

George, George Herd Heath Consult

Dairy: 2

Heidelberg (WC), Heidelberg Dierekliniek

Sheep: 2

Lambs

Malmesbury, Dr Otto Kriek

Dairy: 3

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 3, Sheep: 2

Paarl, Paarl Dierehospitaal;

Beef: 3

Seen at abattoir

Wellington, Wellington Dierehospitaal

Sheep: 2

Pasteurellosis

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	1.0 (2)	1.4 (5)	1.0 (1)	1.0 (1)	2.0 (6)	2.2 (6)		2.4 (7)	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)	1.0 (1)	1.0 (1)	1.0 (1)	3.0 (1)	1.7 (3)			
Dairy		1.0 (1)			1.7 (3)	3.0 (2)		2.5 (6)	
Sheep		1.5 (2)			2.0 (2)	2.0 (1)		2.0 (1)	1.0 (1)
Goat		2.0 (1)							

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1

Hendrina, Mooiplaas Veterinere Dienste

Beef: 1

Gauteng

Bapsfontein, Bapsfontein Dierehospitaal

Beef: 1, Sheep: 1

Bronkhorstspuit, Kerkstraat Dierekliniek

Dairy: 1

Pretoria, Anima Veterinary Consulting Rooms

Sheep: 2, Goat: 2

Limpopo

Polokwane, Pietersburg Veterinary Clinic

Beef: 1

North West

Christiana, Christiana Dierehospitaal

Beef: 1

Free State

Bloemfontein, University Free State

Dairy: 2

Clocolan, Clocolan Dierekliniek

Dairy: 2

Dewetsdorp, Platkop Dierekliniek

Dairy: 1

Parys, Parys Dierekliniek

Beef: 3

Villiers, Wilgepoort Veedienste

Sheep: 2

Wesselsbron, Wesselsbron Dierekliniek

Sheep: 2

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

Beef: 2, Sheep: 2

Mooi River, Mooirivier Vet Clinic

Dairy: 3

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2

Pongola, Pongola Animal Clinic

Beef: 1

Underberg, Underberg Veterinary Surgery

Dairy: 3

Western Cape**Darling, Tygerberg Dierehospitaal Darling**

Dairy: 2

George, George Animal Hospital

Dairy: 3

George, George Herd Heath Consult

Dairy: 3

Malmesbury, Dr Otto Kriek

Dairy: 1

Malmesbury, Malmesbury Dierehospitaal

Dairy: 3, Sheep: 2

Swellendam, Swellendam Dierehospitaal

Dairy: 3

Northern Cape**Kimberley, Staatsveeartse Groep NC**

Sheep: 1

Upington

Navel Ill									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average		1.0 (1)			1.3 (6)	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		1.0 (1)			1.0 (1)			1.0 (1)	

Dairy		1.0 (1)	2.0 (1)
Sheep		1.5 (4)	

Gauteng
Nigel, Nigel Diere Spreekkamer
Beef: 1
Free State
Bloemfontein, University Free State
Dairy: 1
Bultfontein, Greylingrust Dieresprekkamer
Beef: 1
Kroonstad, Kroonstad Dierehospitaal
Sheep: 1
Oranjeville, Grasveld Kuddegeseondheid
Sheep: 1
Villiers, Wilgepoort Veedienste
Sheep: 2
Wesselsbron, Wesselsbron Dierekliniek
Sheep: 2
Kwazulu-Natal
Underberg, Underberg Veterinary Surgery
Dairy: 2
Western Cape
Malmesbury, Malmesbury Dierehospitaal
Beef: 1

Red gut (Torsion of the Gut) Sheep [^](#)

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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Western Cape
Malmesbury, Malmesbury Dierehospitaal
Sheep: 2

Trauma [^](#)

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

Mpumalanga

Lydenburg, Longtom Dierekliniek

Sheep: 2

Gauteng

Nigel, Nigel Diere Spreekkamer

Beef: 1

Free State

Bloemfontein, University Free State

Dairy: 1

Teat laceration

Western Cape

Malmesbury, Dr Otto Kriek

Dairy: 2

Massive losses are incurred by slippery floors that are not managed properly

Paarl, Paarl Dierehospitaal;

Beef: 3

Bruisings seen at abattoir, truck in accident

Downer

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (2)	1.0 (2)			1.7 (7)	2.0 (1)		1.8 (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	1.0 (2)				1.7 (6)	2.0 (1)		1.5 (4)	
Dairy								2.0 (3)	
Sheep		1.0 (1)			2.0 (1)			2.0 (1)	
Goat		1.0 (1)							

Mpumalanga

Bethal, Bethal Dierekliniek

Beef: 1

Grootvlei, Grootvlei Dierekliniek

Beef: 1

Gauteng

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Sheep: 1

PEM

Goat: 1

Free State

Bethlehem, Union Street Animal Consulting Rooms

Beef: 1

Bultfontein, Greylingrust Dieresprekkamer

Beef: 1, Sheep: 2

Clocolan, Clocolan Dierekliniek

Beef: 2

Villiers, Wilgepoort Veedienste

Beef: 3

Warden, Warden Dierekliniek

Beef: 2

Wesselsbron, Wesselsbron Dierekliniek

Beef: 1

Kwazulu-Natal

Dundee, Endumeni Herd health

Beef: 2

Western Cape

George, George Animal Hospital

Beef: 1

George, George Herd Heath Consult

Dairy: 2

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 3, Sheep: 2

Stellenbosch, Stellenbosch Animal Hospital

Dairy: 1

Swellendam, Swellendam Dierehospitaal

Beef: 1

Worcester, Durban Straat Dierekliniek Worcester

Beef: 2

Other									^
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)
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Northern Cape

Kimberley, Kimberley Dierekliniek

Beef: 1

Endocarditis

Vestubular syndrome (Middle ear infection)									^
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

Beef	1.0 (1)
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Goat	2.0 (1)
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Limpopo

Mokopane, Bundu Veterinary Services

Goat: 2

Kwazulu-Natal**Mtubatuba, Mtubatuba Animal Clinic**

Beef: 1

Wet carcasses

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

Beef 3.0 (1)**North West****Vryburg, Vryburg Dierehospitaal**

Beef: 3

Yellow cascades at abattoir

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)							2.5 (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) 3.0 (1) 1.0 (1)**Sheep** 2.0 (1)**Mpumalanga****Volksrust, Cape Cross Volksrust Dierehospitaal**

Beef: 1

Western Cape**George, George Animal Hospital**

Sheep: 2

Paarl, Paarl Dierehospitaal;

Beef: 3

Seen at abattoir

Northern Cape**Kimberley, Kimberley Dierekliniek**

Beef: 1

Metabolic Diseases**Acidosis**

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
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Average	3.0 (2)	2.0 (1)	2.1 (7)	1.5 (4)	2.0 (6)	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	3.0 (1)	2.0 (5)	1.3 (3)	1.5 (2)	1.0 (1)
Dairy				2.0 (2)	
Sheep	3.0 (1)	2.0 (1)	2.5 (2)	2.0 (1)	2.5 (2)

Mpumalanga

Standerton, Econovet

Beef: 3, Sheep: 3

Limpopo

Mokopane, Bundu Veterinary Services

Sheep: 2

Free State

Clocolan, Clocolan Dierekliniek

Beef: 1

Kroonstad, Kroonstad Dierehospitaal

Beef: 1

Villiers, Wilgepoort Veedienste

Beef: 2, Sheep: 2

Vrede, Vrede Dierehospitaal

Beef: 3

Feed lot

Warden, Warden Dierekliniek

Beef: 3, Sheep: 3

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Camperdown, Camperdown Vet Clinic

Beef: 1

Dundee, Endumeni Herd health

Sheep: 2

Mtubatuba, Mtubatuba Animal Clinic

Beef: 1

Western Cape

Ceres, Ceres Veterinary Hospital

Sheep: 3

15 sheep

George, George Herd Heath Consult

Dairy: 1

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 3, Sheep: 2

Stellenbosch, Stellenbosch Animal Hospital

Beef: 1

Northern Cape

Kimberley, Kimberley Dierekliniek

Beef: 1

Displaced abomasum



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

Dairy						1.0 (1)		2.0 (2)	
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Kwazulu-Natal

Dundee, Endumeni Herd health

Dairy: 1

Western Cape

George, George Herd Heath Consult

Dairy: 1

Malmesbury, Malmesbury Dierehospitaal

Dairy: 3

Ketosis

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average		1.0 (1)			1.7 (3)	3.0 (1)		2.3 (4)	

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

Gauteng

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Sheep: 1

Free State

Bloemfontein, University Free State

Dairy: 1

Reitz, Riemland Dierehospitaal

Sheep: 2

Villiers, Wilgepoort Veedienste

Sheep: 2

Kwazulu-Natal

Underberg, Underberg Veterinary Surgery

Dairy: 3

Sub-clinical

Western Cape

Caledon, Overberg Veterinary Hospital

Sheep: 2

Heidelberg (WC), Heidelberg Dierekliniek

Dairy: 1

Malmesbury, Malmesbury Dierehospitaal

Dairy: 3, Sheep: 3

Milk Fever									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (1)			2.0 (1)	1.5 (2)	2.0 (3)		2.2 (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					1.0 (1)				
Dairy	2.0 (1)			2.0 (1)		2.5 (2)		2.2 (6)	
Sheep					2.0 (1)	1.0 (1)			

Mpumalanga

Lydenburg, Longtom Dierekliniek

Dairy: 2

North West

Vryburg, Vryburg Dierehospitaal

Dairy: 2

Free State

Reitz, Riemland Dierehospitaal

Sheep: 2

Villiers, Wilgepoort Veedienste

Beef: 1

Kwazulu-Natal

Camperdown, Camperdown Vet Clinic

Sheep: 1

Dundee, Endumeni Herd health

Dairy: 2

Underberg, Underberg Veterinary Surgery

Dairy: 3

Sub-clinical

Western Cape

Beaufort West, Beaufort West State Vet

Dairy: 1

Communal Jersey after birth, recover after treatment.

George, George Animal Hospital

Dairy: 2

George, George Herd Heath Consult

Dairy: 2

Malmesbury, Dr Otto Kriek

Dairy: 2

Not all Nutritionists seem to have the right formula for Close-up cow rations. This because of the cost factor of mixing a decent Close-up ration. In this case one can apply the saying: "Goedkoop koop is duur koop". This problem still persists and if not rectified soon will convince the farmer not to have a close-up group anymore.

Malmesbury, Malmesbury Dierehospitaal

Dairy: 3

Worcester, Durban Straat Dierekliniek Worcester

Dairy: 3

Beef: 2

Volksrust, Cape Cross Volksrust Dierehospitaal

Beef: 1

Gauteng**Bapsfontein, Bapsfontein Dierehospitaal**

Beef: 1

Pretoria, Anima Veterinary Consulting Rooms

Sheep: 1

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 1, Sheep: 2

Four cases

Rayton, Rayton Dierekliniek

Beef: 2, Sheep: 2

Limpopo**Mokopane, Bundu Veterinary Services**

Beef: 1

North West**Brits, Brits Dierekliniek**

Sheep: 2, Goat: 2

Christiana, Christiana Dierehospitaal

Beef: 3, Sheep: 3

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 2

Stella, Stella Dierekliniek

Beef: 3

Ventersdorp, Ventersdorp Dierekliniek

Sheep: 3

Vryburg, Molopo Dierekliniek

Beef: 2

Free State**Bloemfontein, University Free State**

Dairy: 1

Bultfontein, Greylingrust Dierspreekkamer

Beef: 2

Clocolan, Clocolan Dierekliniek

Sheep: 2

Excelsior, Weltevrede Dierekliniek

Beef: 2

Ficksburg, Oosvrystaat Dier Produkte

Beef: 1, Sheep: 2

Frankfort, Frankfort Dierekliniek

Beef: 3, Goat: 3

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Dairy: 2, Sheep: 2

Memel, Memel Veterinary Clinic

Beef: 1

Parys, Parys Dierekliniek

Beef: 2

Reitz, Riemland Dierehospitaal

Beef: 2

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 3, Sheep: 3

Villiers, Wilgepoort Veedienste

Beef: 2, Sheep: 2

Vrede, Saulshoek Dieregesondheid.

Sheep: 1

Vrede, Vrede Dierehospitaal

Beef: 2, Sheep: 1

Warden, Warden Dierekliniek

Beef: 2, Sheep: 2

Wesselsbron, Wesselsbron Dierekliniek

Sheep: 2

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

Beef: 2

Dundee, Endumeni Herd health

Beef: 2

Mooi River, Mooirivier Vet Clinic

Beef: 2

Underberg, Underberg Veterinary Surgery

Beef: 2, Sheep: 2

Eastern Cape**Alexandria, Riverview Trading Vet Consulting Services**

Beef: 1, Dairy: 1

Western Cape**Caledon, Overberg Veterinary Hospital**

Sheep: 2

Ceres, Ceres Veterinary Hospital

Beef: 2

Darling, Tygerberg Dierehospitaal Darling

Beef: 2

Malmesbury, Bergzicht Dierehospitaal

Dairy: 2, Sheep: 2

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 3, Sheep: 2

Stellenbosch, Stellenbosch Animal Hospital

Beef: 1, Dairy: 1

Swellendam, Swellendam Dierehospitaal

Dairy: 2, Sheep: 1

Northern Cape**Kimberley, Kimberley Dierekliniek**

Beef: 1, Sheep: 1

Postmasburg, Postmasburg Dierekliniek

Sheep: 2

Endometritis

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

Dairy									3.0 (4)
Free State									
Villiers, Wilgepoort Veedienste									
Beef: 2									
Western Cape									
Caledon, Caledon Dierekliniek									
Dairy: 3									
George, George Herd Heath Consult									
Dairy: 3									
Malmesbury, Malmesbury Dierehospitaal									
Beef: 2, Dairy: 3									
Swellendam, Swellendam Dierehospitaal									
Dairy: 3									
Metritis									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average				3.0 (1)	3.0 (1)	2.5 (2)		2.7 (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				3.0 (1)	3.0 (1)	2.0 (1)		2.0 (1)	
Dairy						3.0 (1)		2.8 (5)	
North West									
Christiana, Christiana Dierehospitaal									
Beef: 3									
Free State									
Parys, Parys Dierekliniek									
Beef: 3									
Kwazulu-Natal									
Mooi River, Mooirivier Vet Clinic									
Beef: 2									
Underberg, Underberg Veterinary Surgery									
Dairy: 3									
Western Cape									
Caledon, Caledon Dierekliniek									
Dairy: 3									
Darling, Tygerberg Dierehospitaal Darling									
Dairy: 3									
Malmesbury, Dr Otto Kriek									
Dairy: 2									
Malmesbury, Malmesbury Dierehospitaal									
Beef: 2, Dairy: 3									
Swellendam, Swellendam Dierehospitaal									
Dairy: 3									
Poor conception									

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (2)	3.0 (1)		1.7 (3)	2.2 (5)	2.4 (5)	2.7 (3)	2.3 (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 (2)	3.0 (1)		1.7 (3)	2.2 (5)	2.4 (5)	2.0 (1)		
Dairy							3.0 (1)	2.5 (2)	
Sheep							3.0 (1)	2.0 (1)	
Mpumalanga									
Lydenburg, Lydenburg Dieresprekkamer									
Beef: 2									
Volksrust, Cape Cross Volksrust Dierehospitaal									
Beef: 2									
Gauteng									
Rayton, Rayton Direkliniek									
Beef: 3									
North West									
Leeudoringstad, Leeudoringstad Direkliniek									
Beef: 1									
One farm very poor									
Stella, Stella Direkliniek									
Beef: 3									
Vryburg, Molopo Direkliniek									
Beef: 1									
Free State									
Clocolan, Clocolan Direkliniek									
Beef: 1									
Excelsior, Weltevrede Direkliniek									
Beef: 2									
Hoopstad, Kameeldoring Direkliniek									
Beef: 3									
Oranjeville, Grasveld Kuddegesondheid									
Beef: 2									
Villiers, Wilgepoort Veedienste									
Beef: 3									
Kwazulu-Natal									
Bergville, Bergville Veterinary Clinic									
Beef: 2									
Dundee, Endumeni Herd health									
Beef: 2									
Mooi River, Mooirivier Vet Clinic									
Beef: 2									
Underberg, Underberg Veterinary Surgery									
Beef: 3									
Vryheid, Vryheid Privaat Veeartse									
Beef: 3									
Eastern Cape									
Alexandria, Alexandria Platteland Spreekkamer									

Beef: 2

Alexandria, Riverview Trading Vet Consulting Services

Dairy: 3

61 dairy cows not cycling

Steynsburg, Steynsburg Dierehospitaal

Sheep: 3

Western Cape

Caledon, Caledon Dierekliniek

Dairy: 3

Malmesbury, Malmesbury Dierehospitaal

Dairy: 2

Oudtshoorn, Ostrimed

Sheep: 2

Retained afterbirth



PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average		1.3 (3)		1.0 (1)	1.7 (3)	1.7 (3)		2.1 (8)	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)		1.0 (1)	1.5 (2)	2.0 (2)		1.5 (2)	1.0 (1)
Dairy								2.3 (6)	
Sheep		2.0 (1)			2.0 (1)				
Goat						1.0 (1)			

Gauteng

Bronkhorstspuit, Kerkstraat Dierekliniek

Beef: 1

Pretoria, Anima Veterinary Consulting Rooms

Sheep: 2

Rayton, Rayton Dierekliniek

Beef: 1

North West

Christiana, Christiana Dierehospitaal

Beef: 1

Free State

Clocolan, Clocolan Dierekliniek

Beef: 1

Villiers, Wilgepoort Veedienste

Beef: 2, Sheep: 2

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 3

Camperdown, Camperdown Vet Clinic

Goat: 1

Mooi River, Mooirivier Vet Clinic

Beef: 1

Western Cape

Caledon, Overberg Veterinary Hospital

Beef: 1

Darling, Tygerberg Dierehospitaal Darling

Dairy: 2

Malmesbury, Bergzicht Dierehospitaal

Dairy: 3

Malmesbury, Dr Otto Kriek

Dairy: 1

Not all Nutritionists seem to have the right formula for Close-up cow rations. This because of the cost factor of mixing a decent Close-up ration. In this case one can apply the saying: "Goedkoop koop is duur koop". This problem still persists and if not rectified soon will convince the farmer not to have a close-up group anymore.

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 3

Swellendam, Swellendam Dierehospitaal

Dairy: 3

Worcester, Durban Straat Dierekliniek Worcester

Dairy: 2

Northern Cape

Kimberley, Staatsveeartse Groep NC

Beef: 1

Kimberley

Sheath Prolaps

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 (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)	1.0 (1)			2.0 (2)	1.5 (2)			
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Mpumalanga

Lydenburg, Longtom Dierekliniek

Beef: 1

Gauteng

Nigel, Nigel Diere Spreekkamer

Beef: 1

Free State

Excelsior, Weltevrede Dierekliniek

Beef: 1

Hoopstad, Hoopstad Dierekliniek

Beef: 3

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Pongola, Pongola Animal Clinic

Beef: 1

Uterus prolaps

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 (1)	1.0 (2)	1.6 (7)	1.7 (3)		1.1 (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)	1.0 (1)	1.0 (1)	1.0 (2)	1.7 (3)	1.7 (3)		1.0 (2)	
Dairy								1.0 (2)	
Sheep	1.0 (1)				1.5 (4)			1.3 (3)	

Mpumalanga

Bethal, Bethal Dierekliniek

Beef: 1, Sheep: 1

Gauteng

Nigel, Nigel Diere Spreekkamer

Beef: 1

Limpopo

Mokopane, Bundu Veterinary Services

Beef: 1

North West

Brits, Brits Dierekliniek

Beef: 1

Vryburg, Molopo Dierekliniek

Beef: 1

Free State

Excelsior, Weltevrede Dierekliniek

Beef: 1

Kroonstad, Kroonstad Dierehospitaal

Sheep: 1

Villiers, Wilgepoort Veedienste

Sheep: 2

Vrede, Vrede Dierehospitaal

Beef: 2, Sheep: 1

Warden, Warden Dierekliniek

Beef: 2, Sheep: 2

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Dundee, Endumeni Herd health

Beef: 1

Eshowe, Eshowe Veterinary Hospital

Beef: 2

Western Cape

Caledon, Overberg Veterinary Hospital

Sheep: 2

George, George Animal Hospital

Sheep: 1

George, George Herd Heath Consult

Dairy: 1

Malmesbury, Bergzicht Dierehospitaal

Beef: 1

Malmesbury, Malmesbury Dierehospitaal

Sheep: 1

Stellenbosch, Stellenbosch Animal Hospital

Dairy: 1

Swellendam, Swellendam Dierehospitaal

Beef: 1

Vaginal (Cervical) prolaps

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.4 (7)	1.0 (1)			1.6 (8)	1.5 (6)		1.3 (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	1.3 (4)	1.0 (1)			1.3 (4)	1.6 (5)		1.0 (2)	
Dairy								2.0 (1)	
Sheep	1.7 (3)				2.0 (4)	1.0 (1)		1.3 (3)	

Mpumalanga**Bethal, Bethal Dierekliniek**

Beef: 1, Sheep: 2

Grootvlei, Grootvlei Dierekliniek

Beef: 1

Hendrina, Mooiplaas Veterinere Dienste

Beef: 1, Sheep: 1

Lydenburg, Longtom Dierekliniek

Beef: 2, Sheep: 2

Gauteng**Nigel, Nigel Diere Spreekkamer**

Beef: 1

Free State**Bultfontein, Greylingrust Dieresprekkamer**

Sheep: 2

Hoopstad, Hoopstad Dierekliniek

Beef: 1, Sheep: 3

Hoopstad, Kameeldoring Dierekliniek

Beef: 1, Sheep: 1

Reitz, Riemland Dierehospitaal

Beef: 2

Vrede, Vrede Dierehospitaal

Beef: 1

Wesselsbron, Wesselsbron Dierekliniek

Sheep: 2

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

Beef: 2

Camperdown, Camperdown Vet Clinic

Dundee, Endumeni Herd health

Eshowe, Eshowe Veterinary Hospital

Pietermaritzburg, Veterinary House Hospital

Western Cape

Sheep: 2

Beef: 1

Beef: 1

Dairy: 2, Sheep: 1

Sheep: 1

Cold exposure

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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Free State
Philippolis, Rowelsfontein veearts Spreekkamer

Warden, Warden Dierkliniek

Winburg, Winburg Dierekliniek

Western Cape

Drought

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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Western Cape

Vredenburg, Vredenburg Dierehospitaal

Sheep: 3

Area very dry, animals are given fodder

Frozen to death [^](#)

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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Free State

Philippolis, Rowelsfontein veearts Spreekkamer

Sheep: 2

Non specific diseases

Cause of death not established [^](#)

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

Free State

Vrede, Saulshoek Dieregesondheid.

Beef: 1

Western Cape

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 2, Sheep: 2

Genetic disorders [^](#)

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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Free State

Villiers, Wilgepoort Veedienste

Beef: 2

Preditors									^
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PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average				2.0 (1)	2.1 (8)	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)	2.0 (2)				
Sheep					2.2 (6)				
Goat						1.0 (1)			

North West

Vryburg, Molopo Direkliniek

Beef: 2

Free State

Clocolan, Clocolan Direkliniek

Beef: 1, Sheep: 2

Dewetsdorp, Platkop Direkliniek

Sheep: 2

Philippolis, Rowelsfontein veearts Spreekkamer

Sheep: 2

Villiers, Wilgepoort Veedienste

Sheep: 2

Wesselsbron, Wesselsbron Direkliniek

Sheep: 2

Winburg, Winburg Direkliniek

Beef: 3, Sheep: 3

Kwazulu-Natal

Camperdown, Camperdown Vet Clinic

Goat: 1

Mauled by dog

Sabotage/Theft

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average				2.5 (2)	2.7 (6)	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		2.5 (2)	2.7 (3)	2.5 (4)	
Sheep			2.7 (3)	3.0 (1)	

North West

Schweizer-Reneke, Buffeldoorn Dierkliniek SR

Beef: 3

Vryburg, Molopo Dierkliniek

Beef: 2

Free State

Clocolan, Clocolan Dierekliniek

Beef: 3, Sheep: 3

Villiers, Wilgepoort Veedienste

Beef: 2, Sheep: 2

Winburg, Winburg Dierekliniek

Beef: 3, Sheep: 3

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 3

Dundee, Endumeni Herd health

Beef: 3, Sheep: 3

Eshowe, Eshowe Veterinary Hospital

Beef: 2

Six cattle hacked to death

Pietermaritzburg, Veterinary House Hospital

Beef: 2

Trauma

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

Sheep					2.0 (1)				2.0 (1)
Goat						1.0 (1)			
Mpumalanga									
Bethal, Bethal Dierekliniek									
Beef: 1									
Lydenburg, Longtom Dierekliniek									
Beef: 2									
Wounds									
Gauteng									
Nigel, Nigel Diere Spreekkamer									
Beef: 1									
Limpopo									
Mokopane, Bundu Veterinary Services									
Beef: 1									
Free State									
Hoopstad, Kameeldoring Dierekliniek									
Beef: 2									
Winburg, Winburg Dierekliniek									
Beef: 2, Sheep: 2									
Kwazulu-Natal									
Camperdown, Camperdown Vet Clinic									
Goat: 1									
Fractured leg									
Western Cape									
Malmesbury, Malmesbury Dierehospitaal									
Beef: 2, Dairy: 2, Sheep: 2									
Northern Cape									
Kimberley, Kimberley Dierekliniek									
Beef: 3									
Bruising at abattoir; injection marks 2									
Veld fires									^
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)				
Free State									
Winburg, Winburg Dierekliniek									
Sheep: 2									
other									^
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)								
Limpopo									
Mokopane, Bundu Veterinary Services									
Beef: 2									
Traumatic Reticulo-pericarditis									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)	1.0 (1)			1.3 (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)	1.0 (1)			1.3 (3)		1.0 (1)		
Mpumalanga									
Bethal, Bethal Dierekliniek									
Beef: 1									
Gauteng									
Bapsfontein, Bapsfontein Dierehospitaal									
Beef: 1									
Free State									
Clocolan, Clocolan Dierekliniek									
Beef: 1									
Villiers, Wilgepoort Veedienste									
Beef: 1									
Winburg, Winburg Dierekliniek									
Beef: 2									
Eastern Cape									
Alexandria, Alexandria Platteland Spreekkamer									
Beef: 1									