

# **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**

## **February 2020**

(Previous disease reports can be seen on the RuVASA website [www.ruvasa.co.za](http://www.ruvasa.co.za) )

These reports include data from individual practices

Click on Disease Reports

**The following practices and laboratories (143) submitted reports during February2020:**

### **Mpumalanga (12)**

Balfour – Dr. Lous 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  
Standerton – Dr. Kobie Kroon  
Volksrust – Dr. Johan Blaauw

### **Gauteng (11)**

Bapsfontein – Drs. Olivier en 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

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

Pretoria – Dr. Hanneke Pienaar

Rayton -Dr. Frans Malan

Vanderbijlpark – Dr. Kobus Kok

### **Limpopo (8)**

Bela-Bela (Warmbaths) – Dr. Nele Sabbe

Bela-Bela – Drs. Du Toit, Hansen, Bester, Herbst and Malan

Makhado (Louis Trichardt) – Drs. Harris, Klopper and Jacobs

Modimolle (Nylstroom) – Drs. Huber, Bredell and Barnard

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 (14)**

Beestekraal – Dr. Alwyn Venter

Bloemhof – Dr. Cizelle Naudé

Brits – Dr. Boshoff and Coertze

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 – Sharnelle Ferreira

Potchefstroom – Dr. Martin Ferreira

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

Stella - Dr. Magdaleen Vosser

Ventersdorp/ Koster –Drs. Benadé and Van der Merwe

Vryburg – Dr. Jurie Kritzing

Vryburg – Drs. De Jager and Rautenbach

### **Free State (26)**

Bloemfontein – Dr. Stephan Wessels

Bothaville – Dr. Gerrie Kemp

Bultfontein – Dr. Santjie Pieterse

Clocolan – Drs. Wasserman and Basson

Dewetsdorp – Dr. Marike Badenhorst

Excelsior/Ladybrand – Dr. Dedré Nel  
Ficksburg – Dr. Woody Kotzé  
Frankfort – Drs. Lesssing, Cilliers and Janse van Rensburg  
Gariiep Dam – Dr. Marni Malan  
Harrismith – Dr. Slabber en Reynolds  
Hoopstad – Dr. Kobus Pretorius  
Kroonstad – Drs. Daffue, Eksteen, Van Zyl and Van der Walt  
Memel – Drs. Nixon and Nixon  
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 – Dr. D’Wall Hauptfleisch  
Vrede – Drs. Bester-Cloete, Myburgh and Roos  
Vrede – Dr. Rudolph Fourie  
Wesselsbron – Dr. Johan Jacobs  
Winburg – Drs. Albertyn and Albertyn  
Zastron – Drs. Troskie and Strauss

**KwaZulu-Natal (15)**

Bergville – Dr. Jubie Muller  
Bergville – Dr. 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  
Howick – Drs. Hughes, Lund, Gordon, Allison and Taylor  
Kokstad – Drs. Clowes, Shrives and Lees  
Mooi River – Drs. Edmunds, Fowler and Still  
Mtubatuba – Dr. Trevor Viljoen  
Newcastle – Dr. Barry Rafferty  
Pietermaritzburg – Dr. Philip Kretzmann  
Pongola – Dr. Heinz Kohrs  
Underberg - Drs. King and Delaney  
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 – Drs. Hobson, Strydom and Hennesy  
Humansdorp – Drs. Van Niekerk, Jansen van Vuuren and Davis  
Jeffreys Bay – Drs. Lategan, Hoek and McFarlane  
Port Alfred – Drs. De Bruyn and Jonk  
Queenstown – Drs. Du Preez, Klopper, De Klerk, Catherine en Wentzel  
Somerset East – Drs. Farrel, Louw and Ross  
Steynsburg – Dr. Johan van Rooyen  
Stutterheim – Dr Dave Watermann  
Uitenhage – Drs. Mulder and Krüger  
Witelsbos – Dr. Elmien Kotze

#### **Western Cape (18)**

Beaufort West - Dr. Jaco Pienaar  
Beaufort West – Dr. Bennie Grobler  
Caledon – Drs. Louw and Viljoen  
Ceres – Drs. Pieterse, Wium, De Villiers and Scheepers  
Darling – Drs. Van der Merwe, Adam, Jenkins and Lord  
George – Drs. Strydom, Truter and Pettifer  
Heidelberg – Dr. Albert van Zyl  
Malmesbury – Dr. Otto Kriek  
Malmesbury – Dr. Markus Fourie  
Malmesbury – Drs. Bosman and Groenewald  
Moorreesburg – Drs. Kotzé and Sheridan  
Oudtshoorn – Dr. Glen Carlisle  
Oudtshoorn – Dr. Adriaan Olivier  
Piketberg – Dr. André van der Merwe  
Stellenbosch – Dr. Alfred Kidd  
Swellendam – Drs. Malan and Fourie  
Tulbagh/Ceres – Drs. Hamman, Wilson and Triegaardt  
Vredenburg – Dr. Izak Rust

#### **Northern Cape (10)**

Calvinia – Dr. Bertus Nel  
Colesberg – Drs. Rous and Rous  
De Aar – Dr. Donald Anderson  
Kathu – Dr. Jan Vorster

Kimberley – Drs. Van de Wateren and Van de Wateren

Kimberley – Drs. Swart, Smith and Hyslop

Kimberley – State veterinarian group Northern Cape

Kuruman – Dr. Gerhard van der Westhuizen

Postmasburg – Dr. Boeta van der Merwe

Upington – Drs. Vorster and Visser

**Feedlots (1)**

Drs. Morris and Du Preez

**Mastitis consultant (1)**

Dr. Theo Kotzé – Moqhaka district (Kroonstad municipality)

**Laboratory reports (8)**

Dr. Marijke Henton - Vetdiagnostix, Johannesburg

Dr. Rick Last – Vetdiagnostix, Pietermaritzburg

Dr. Liza du Plessis – Idexx SA – Johannesburg

Dr. Emily Mitchell – Wildlife, Faculty of Veterinary Science, University of Pretoria

Dr. Annelie Cloete - Elsenburg

Dr. Sophette Gers – Pathcare, Cape Town

Dr. Mark Chimes – Dairy Standards, George

Amanda McKenzie – Vryburg Veterinary Laboratory

**Veterinary activities designated as essential**

## COVID-19 and veterinary activities designated as essential

### OIE/WVA Joint Statement

In the framework of the COVID-19 pandemic, the World Organisation for Animal Health (OIE) and the World Veterinary Association (WVA) jointly draw attention to the roles and responsibilities of the veterinary profession for public health. They highlight the specific veterinary activities which are key to ensure a continuum in food safety, disease prevention and emergency management.

Paris, 18 March 2020 - To effectively tackle the challenges posed by the COVID-19 pandemic, many governments around the world have taken restrictive measures to close non-essential businesses. These decisions raise questions regarding potential adaptations that need to be implemented by the veterinary profession.

In this context, the World Organisation for Animal Health (OIE) and the World Veterinary Association (WVA) advocate for the specific activities of Veterinary Services to be considered as essential businesses.

### Maintaining the activities that are crucial to public health

Veterinarians are an integral part of the global health community. Beyond the activities linked to the health and welfare of animals, they have a key role in disease prevention and management, including those transmissible to humans, and to ensure food safety for the populations.

In the current situation, it is crucial that, amongst their numerous activities, they can sustain those necessary to ensure that:

- + national and regional veterinary regulatory and inspection services can oversee the integrity of public health
- + only healthy animals and their by-products enter the food supply to guarantee food safety for the populations,
- + emergency situations can be addressed,
- + preventative measures, such as vaccination against diseases with a significant public health or economic impact, are maintained.
- + priority research activities continue.

### Supporting veterinary activities in the current context

When conducting their work, veterinarians have the responsibility to safeguard their health, the health of those they work with, and their clients' health. Hence, they must ensure that appropriate levels of biosecurity are implemented, that their personnel are protected with the necessary equipment, and that animal owners are informed of precautionary measures in place. It is the responsibility of each individual to ensure that appropriate behaviours are respected in the framework of these activities, to avoid further spread of COVID-19.



## Covid – 19 and Foot and Mouth Disease (FMD) control

**Very important to note that Covid-19 is a human disease and is NOT infectious for animals while Foot and mouth disease is a disease of cloven-hoofed animals and NOT infectious for humans.**

However there are similarities but also differences in the control of these two devastating diseases

All people should be identified so that Covid-19 positive cases can be traced if needed – this could be done through passports or identity documents (in place worldwide)

All cattle should be branded, tattooed and tagged with a unique ICAR number so that each animal could be traced (not yet in place in the Republic of South Africa). It should be a priority to get such a system in place, if not, the same problem in controlling FMD is going to repeat itself!

Humans crossing country borders legally are screened for increased body-temperature and symptoms of disease. Suspected positive cases are placed in quarantine and samples taken for confirmation of Covid-19.

Cattle in FMD controlled areas are tagged, regularly vaccinated against FMD and inspected for clinical signs of the disease. Animals testing positive for FMD are branded with a F on the neck and contact-animals are quarantined and tested. Positive animals are quarantined and slaughtered at designated abattoirs.

When a Covid-19 positive person “escapes” the system and enters the country, emergency steps are taken. Isolate the individual immediately and test for the virus. If positive, forward and backward tracing of individuals have to be done immediately, so as to prevent further spread of the disease.

In the case of FMD similar steps are taken. If the positive animal had been in contact with other animals at an auction, farms and feedlots would be placed under quarantine and all contact animals will be tested. As FMD is a herd disease, all animals in a positive herd will be slaughtered so as to adhere to OIE standards and for the country to regain its FMD free status.

Restrict or shut down all activities where transmission of the FMD virus can take place such as auctions where cattle from more than one owner take place, shows, etc. In the case of Covid-19, avoid gatherings of people such as political, sports, cultural, weddings, funerals, etc. events take place, and giving the virus which is highly infective, chance to spread.

In Animal Health the following is of utmost importance: Buyer Beware! Before buying in animals obtain a Vendor’s Declaration! Know exactly where the animal(s) come from, know what they have been vaccinated with and what they have been treated with.

Inform and train all inhabitants of the country on all aspects of diseases, how they are transmitted, how they are controlled and how they are prevented from entering South Africa, today and in the future.

Necessary funds should be made available by the State and affected parties to put measures in place to minimize the occurrence of similar disasters in future.

As these two viruses have a huge impact on the economy of people and the State as well as restrictions on activities of daily life, it is in the interest of all to work together to stop both Covid-19, FMD or any other infectious pathogen entering our borders.

**In unity lies our strength!**

# Foot and Mouth Disease

## Lifting of ban on auctions

<http://nahf.co.za/wp-content/uploads/FMD-Media-Statement-17-February-2020.pdf>

## 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>

### **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](http://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!!!!!!!**

**Livestock producers, take ownership and fund your own industry**

**Dr. Michel Bradfield (michael@agribusa.co.za)**

At a Livestock industry workshop held in March this year in Pretoria (see Landbouweekblad 12 May 2017), attended by a large representative group of all the major industry role players in the value chain (including commercial producers, the large Feedlots and retail), industry role players spoke about the importance of the Livestock industry taking ownership of its own destiny. They also spoke about how the industry should fund itself without continuously looking at the Department of Agriculture and Fisheries (DAFF) to provide support or handouts. However, speak to most of the older livestock producers and not all producers will be convinced as they nostalgically remember the past when a large percentage of their inputs were subsidized by government. Amongst these same producers the perception also exists that overseas producers are heavily subsidised by their respective governments and that our government needs to do the same.

Whilst some European union countries do heavily subsidize their livestock industries, this is certainly not the case for many developed countries in the world. Table 1 that shows that the international level of subsidy given to producers is generally declining and that South African producers in some instances obtain higher subsidies than that given to New Zealand producers for example, and not much less than that given to Australian producers. It is also unfair to compare ourselves to European producers who have very few sheep and cows. Most development efforts in Europe focus heavily on chicken and pork production because livestock production is often seen as an industry worth subsidizing, often to keep people on the land and to also boost the very important tourist industry.

The New Zealand government has drastically reduced subsidies and expect producers to stand on their own feet and pay for their own industry development costs. It was initially difficult, but farmers have become more efficient and have learnt how to live without subsidies. In fact, their industry now refuses to allow themselves to become depended on government and would turn down subsidies even if offered (see link at the end of the article ). Many countries are now following the New Zealand model and cutting subsidies. The ideal model for many countries is to have industry providing the bulk of the money for funding research and development of their own industry through a private company, usually a section 21 type company, and to then convince the government to match some of the research and development funds for major industry related projects in the form of matching grants.

### **The South African Livestock Levy**

The South African livestock industry is currently funded by a very small industry levy (Table 2) of 0.05% of the total turnover. This compared to the 0.6% as an industry average. The current levy for Pork production for example is 0.5% of total turnover. Some in the industry have suggested that to equate to pork at least, the industry spend should be closer to R50 per animal in the beef sector, and an equitable amount in the Smallstock sector. The current levy in beef equates to a once off fee of about R10.00 per animal.

The USA beef checkoff has a compulsory levy that collects one USA dollar (R13.80) every time a transaction occurs in the value chain. A further one dollar is collected for exported carcasses or product. The MLA in Australia collects five Australian dollars i.e. R50.00 for each beef animal. The total amount collected is \$AUD 155.7 million i.e. R1.5 billion per annum. The South African equivalent is between R30-

R50 million, a paltry amount in comparison. For both the MLA and American programs the money is spent on Research and Development, Marketing and Animal Health and opening new markets internationally. It is a truism that industry does not easily accept a statutory levy unless the benefits are clearly understood, demonstrable progress can be shown and is achieved, and results in significant changes to the bottom line for each producer. In previous articles I have shown for example that the USA is in a similar position as South Africa in that it produces just enough meat for its population. It however exports about 10% of the high value cuts to premium markets and imports an equivalent amount of low value cuts for mostly the hamburger market. Some of their levy funding will thus be used to develop these export markets. Though the spend on levy by producers is often hotly debated by some producers in all countries, the common-sense position prevails that the industry would stagnate and become uncompetitive if no levy was paid, or if the levy amount was reduced.

Prof Michael Roberts, a world expert on business strategy, lists investing in Research and Development (R&D) as the number one step that industries should consider for growth. Poorly run industries or businesses usually spend little on research and development to their long-term detriment.

### **Government involvement**

As mentioned previously, the industry in South Africa often looks at DAFF to fund any major development requirements, for example, national animal health initiative's, development of traceability systems, opening of export markets or research and development related to animal production. A recent report has shown that a serious outbreak of foot and mouth disease (F&M) for example, would cost the industry over 6 Billion rand. The same report showed that it is highly advisable to put measures in place and to be proactive to protect our industry against a F&M outbreak rather than waiting for a catastrophe to happen. A major disease outbreak alone is reason enough to get our industry to have serious introspection of how it could and should fund itself, without necessarily looking at the government for funding.

My interaction with DAFF has shown that they are committed to work with industry and to form public private partnerships (PPP) where needed. They have certainly assisted us in a Beef Genomics program where they assisted industry with a matching grant of about 1:4 i.e. R30 million over three years for an in kind, industry contribution of R120 million. It is highly likely that this program will again be funded but by international norms it is still a drop in the ocean and hardly enough to make a significant difference by international standards. The reality is that to get money from government, as an industry you have to be prepared to provide the bulk of the funding.

Another reality in South Africa is that DAFF is overstretched and overburdened and that they also accommodate approximately 60 000 smallholder and emerging producers who own 40% of the sheep and cattle in the country and who were poorly serviced by DAFF before 1994. To rely on DAFF to fund any of the major developments in the Livestock industry is unrealistic and will simply not happen.

### **Importance of strong institutions and umbrella bodies**

According to the World bank, the single biggest difference between success and failure in an industry is the strength of the institutions or umbrella bodies that supports the industry. Failed states will hardly ever have good institutions or representative umbrella bodies and have very little interaction between industry and government. Collectively they will hardly ever work towards a common goal. On the other hand, most livestock industries in the developed world will have a clear vision and strategy that has the buy in of the whole value chain. The vision and implementation plan must have clear guidelines, timelines and a clear funding model of how the plan should be implemented so that a collective vision will be achieved. To avoid duplication of projects all actors in an industry, including government must buy into such a masterplan so that any duplications of projects can be avoided. The South African livestock industry has good institutions such as the Red Meat Industry Forum (RMIF) that includes the national Emerging Red Meat producer's organization (NERPO) and Red Meat Producers organization (RPO). However, as shown above, the level of funding in South Africa for Research and Development of the industry is almost insignificant compared to our international competitors and serious introspection is needed by all actors to ascertain a desired future position for the industry. My colleagues who are head of departments in animal production at the University of the Free State and Pretoria, openly admit that they cannot attract the youngest and brightest students into the field of animal production, especially in the field of Animal Breeding and Genetics. This discipline requires a high level of investment (and realises high levels of returns), but the results are not immediately apparent to industry. This is also true for much of the development initiatives mentioned above. The benefits of an animal traceability system for example, is not immediately apparent, but ask any country that has implemented animal traceability systems (such as Namibia), and most producers understand the benefits. The importance of funding large animal health initiative's, should be self-evident, especially in South Africa with its porous borders and continuous risks of disease outbreaks.

### **Summary and implications for the industry**

The South African livestock industry is doing well after the sudden increase in prices, largely because of the drought in 2015, shortage of product, and to a small extent, some exports. However, these increases will be eroded in the next decade as the herds and flock recover to their normal levels and we again find ourselves competing internationally with countries such as South America, the USA and Australia in the international market. As an industry we are extremely susceptible to serious disease outbreaks and a serious Foot and Mouth outbreak for example could devastate the industry. Many of our producers and industry bodies look at government for funding major development initiatives such as national animal health, development of traceability systems, opening of export markets and research and development related to animal production. The reality is that the bulk of funding for the development of the industry by our international competitors comes from the producers themselves, and this trend is set to continue. Despite its political challenges, where you would expect the livestock industry in South Africa to properly fund its own industry, the size of the South African Statuary Levy can hardly be compared to our international competitors. If we as an industry are serious about getting maximum value from our sector, we should seriously consider taking ownership of our industry with proper funding. For example Is fifty or a hundred rand per animal, with a carcass value of R15 000, really too large a price to pay?

**\*\*By not investing in our future we are slowly putting ourselves into a position where we will not be able to compete against our international peers \*\***

**\*\*The International norm for investment in industry is 1.5 % of the turnover. The legislated Red Meat Levee in South Africa is 0.1 % of turnover and is of the lowest in the developed world.\*\***

**\*\* Many of the animal production departments at South Africa's top universities openly admit that they cannot attract the youngest and brightest students into the field of animal production, especially in the animal genetics field\*\*urces**

<http://dailysignal.com/2016/09/22/what-happened-when-new-zealand-got-rid-of-government-subsidies-for-farmers/>

[http://www.huffingtonpost.com/mark-ross/farm-subsidies-new-zealand\\_b\\_1680259.html](http://www.huffingtonpost.com/mark-ross/farm-subsidies-new-zealand_b_1680259.html)By

<https://www.mla.com.au/about-mla/about-your-levy/grassfed-cattle/>

<http://www.beefusa.org/>

<http://www.beefresearch.org/>

<https://www.beefboard.org/producer/CBBFinalUnderstandingBrochure.pdf>

## **Summary of disease report for February 2020**

142 Reports from veterinary practices and laboratories were received (Mpumalanga (MP) 12; Gauteng (G) 11; Limpopo (L) 8; Northwest (NW) 14; Free State (FS) 26; KwaZulu-Natal (KZN) 15; Eastern Cape (EC) 18; Western Cape (WC) 18; Northern Cape (NC) 10; Feedlots (FL) 1; Mastitis consultant (MC) 1 and Laboratories (Lab) 8)

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

<b>Disease or condition</b>	<b>Number of provinces reporting</b>
Wireworm	9
Anaplasmosis	9
Blue tongue	9
<i>E. coli</i>	9
Orf	9
Warts	9
Ringworm	9
Abscesses	9
Lameness/foot problems	9
Dystocia (difficult birth)	9
Roundworms	8
Coccidiosis	8
African red water	8
Asiatic red water	8
Ephemeral fever (Three-day-stiffsickness)	8
Pulpy kidney	8
Abortions	8
Eye nfections	8
Lung infections	8
Mastitis	8
Tapeworms	7
Bont-legged ticks	7
Miges	7

Heartwater	7
Sweating sickness	7
Botulism	7
Diarrhoea	7
Joint ill	7
Vaginal prolaps	7
Resistant roundworms	6
Heartwater ticks	6
Brown ear-ticks	6
Red-legged ticks	6
Nasal bot larvae	6
Lumpy skin disease	6
Trichomonosis	6
Blackquarter	6
Red gut (cattle)	6
Bovine brucellosis	6
Blue udder	6
Acidosis	6
Metritis	6
Retained afterbirth	6
Trauma	6
Conical fluke	5
Nuisance flies	5
Blowflies	5



Geeldikkop	5
Selenium deficiency	5
Stillbirths	5
Bloat	5
Hardware disease (traumatic reticulo-pericarditis)	5
Ketosis (domsiekte)	5
Poor conception	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.

**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		
<p><b>NOTE:</b> 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.</p>			

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  
UNIVERSITAT VAN PRETORIA



**RUVASA**  
Rural Veterinary Association 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)		

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

**Internal parasites**

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

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

<b>Schistosomiasis (bilharzia)</b>									
<b>Coccidiosis</b>	x		x	x	x	x	x	x	x
<b>Cryptosporidiosis</b>	x	x		x	x	x		x	

**Many deaths due to wireworm infestations have been reported from may 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 Wauldby Dohne Merino flock since 2011.

Data on faecal egg counts (FEC), Famacha<sup>®</sup> 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 was reported from the Steysburg practice and 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 MUST 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](https://docs.wixstatic.com/ugd/ad98_cb447e77eef6450f93a2b23cb0e6b9de.pdf)

[www.wormx.info](http://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](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	x
Resistant blue ticks					x	x			
Heartwater ticks	x	x	x	x		x	x		
Brown ear-ticks	x	x	x	x	x	x			
Bont-legged ticks	x	x	x	x	x	x			x
Red-legged ticks	x	x		x	x	x			x
Paralysis ticks				x	x				
Tampans									x
Biting lice	x								
Sucking lice				x			x		x
Fleas									
Itch mites									
Sheep scab		x			x				
Mange mites					x		x		
Nuisance flies	x				x	x	x	x	



Theileriosis									
--------------	--	--	--	--	--	--	--	--	--

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

Numerous mortalities were reported!

Heartwater outbreaks were reported from 6 provinces.

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

Anaplasmosis outbreaks were reported in 8 provinces.

Tick toxicosis

Tick toxicosis	MP	G	L	NW	FS	KZN	EC	WC	NC
Sweating sickness		x	x	x	x	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	x			
Ephemeral fever (Three-day-stiff sickness)	x	x	x	x	x	x		x	x
Blue tongue	x	x	x	x	x	x	x	x	x
<b>Rift Valley Fever</b>									
Wesselsbron									
Nagana						x			

Insect transmittable diseases is rife!! Have you vaccinated your animals?

An increase in mosquito numbers were reported – beware of the first Rift Valley Fever outbreak – abortion storms and yellow carcasses. This is a zoonosis! Contact your veterinarian immediately, do not handle afterbirths!!

## Venerial diseases

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

[illegible]

New cases of **trichomonosis** are reported every month and this disease is out of control.

**Make sure to buy bulls from farmers where biosecurity measures are in place and bulls are tested for these diseases at regular intervals. Trichomonosis were reported from 6 provinces and vibriosis fom 45provinces.**

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

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

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

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

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

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

**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:

[illegible]





<i>Klebsiella</i>									
<i>Coxiella</i>									
<i>Mycoplasma</i>									
Enzootic abortion					x				x
Lumpy wool ( <i>Dermatophilus</i> )		x			x				
Bovine dermatophilosis (Senkobo disease)	x	x						x	
Uterine gangrene									x
Wooden tongue									
Lumpy jaw									
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.

**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!**

## **Viral diseases**

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

<b>Viral diseases</b>	<b>MP</b>	<b>G</b>	<b>L</b>	<b>NW</b>	<b>FS</b>	<b>KZN</b>	<b>EC</b>	<b>WC</b>	<b>NC</b>
<b>BMC (snotsiekte)</b>				<b>x</b>	<b>x</b>	<b>x</b>			<b>x</b>
<b>Rabies (cattle)</b>									
<b>BVD</b>									
<b>IBR</b>		<b>x</b>				<b>x</b>			
<b>BRSV</b>				<b>x</b>				<b>x</b>	
<b>PI3</b>									
<b>Maedi visna virus</b>									
<b>Rotavirus</b>					<b>x</b>				
<b>Coronavirus</b>									
<b>Enzootic bovine leucosis (EBL)</b>					<b>x</b>	<b>x</b>		<b>x</b>	
<b>Sheep leucosis</b>									
<b>Jaagsiekte</b>									
<b>Orf</b>		<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>
<b>Warts</b>	<b>x</b>	<b>x</b>		<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>









Organophosphate									
Zinc phosphide									
Xanthium									
Pyrethroid									
Amitraz									
Levamisole									
Ivermectin									
Moxidectin									
Oxytetracycline									
Tilmicosin									
Bromoxynil nitrate									
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 tulp 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! (**Outbreaks reported in 7 provinces**) 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.

## 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		
Phosphate					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!

**Drought conditions are still present in areas!**

## 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		x	x
Copper									
Zinc		x				x			
Selenium		x		x	x	x	x		
Magnesium							x		
Manganese								x	
Vitamin A				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**

[illegible]



Yellow carcasses at abattoir									x
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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.

## 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	x
Displaced abomasum					x	x	x	x	
Ketosis (Domsiekte)		x			x	x	x	x	
Milk fever					x	x		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	x
Endometritis					x	x		x	
Metritis	x			x	x	x	x	x	
Hydrops									
Poor conception					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
Vaginal prolaps	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									
Heat stress						x	x	x	
Lightning	x				x	x			
Electrocution									
Drought								x	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				

Theft/Sabotage		x		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.

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## Practices that had nothing to report

Beestekraal – Dr. Alwyn Venter

Cape Town – Dr. Sophette Gers

Elsenburg – Dr. Annelie Cloete

George – Dr. Mark Chimes

Kuruman – Dr. Lea Shuda

Malalane – Drs. Van Sittert and Van Sittert

Tulbagh – Dr. Dirk Trichaardt

Vanderbylpark- Dr. Kobus Kok

Vryburg- Dr. Jurie Kritzingen

Wellington – Drs Van Zyl and Louw

## Ostriches

### Western Cape

#### Oudtshoorn

Bont-legged ticks	1
Nuisance flies	3

Eye problems	3
Red gut	3 -Feed intake up and down/ leads to GIT disturbance and Red gut – clostridial enteroxaemia
<i>Clostridium perfringens A</i>	3
Coccidiosis	1
Diarrhoea	3
Lungs	1
Poor growth	1
Soil pica	3 -High temp = high water intake = moist areas in camps and soil pica
Protein, Energy deficiency	3 - High temp result in feed refusal or poor intake – becomes a negative/ catabolic downward spiral
Rectal prolaps	3 -Soil pica and heat stres = cryptosporidium overgrowth
Geelbos	1 - Weakness – hepatomegally
Newcastle disease	3 Pigeons

## Equines

### Mpumalanga

#### Middelburg

African Horse Sickness - 2

### Gauteng

#### Bapsfontein

Eye infection – 2

#### Magaliesburg

African Horse Sickness

Colic – Due to unknown summer virus

#### Muldersdrift

African horse sickness – 1



**Pretoria**

Brown ear-tick – 3

**Rayton**

African Horse Sickness – Three horses died, 2 treated and survived

**Limpopo****Bela-Bela**

Theileriosis – 1

Wounds – Fetlock, ticks, maggots

**Modimolle**

African Horse sickness – 1 confirmed positive case

EEV – 1 confirmed positive case

**Mokopane**

Trauma – 2 Horses

**North West****Potchefstroom**

African Horsesickness – 1 PCR diagnosis pending

Vryburg – 2 Rotten fodder

**Free State****Harrismith**

African Horse Sickness – Two confirmed dikkop cases plus 3 suspected cases reported

**Northern Cape****Colesberg**

Theileriosis (Biliary) - 2

**Game****Mpumalanga****Balfour**

Capture myopathy – 1 Sable

**Lydenburg**

Wireworm – 2

Pneumonia - 1

**Gauteng****Pretoria**

Internal parasites - 3

**Limpopo**

### **Bela-Bela**

Wireworm – Sable, seen at necropsy

Wireworm – Sable died, wireworm

Bont ticks – Sable, lame, lots of bont ticks, achilles tendon area, pain – treated and animal improved

Lameness - Sable – no diagnosis

Fracture – Sable, leg

### **Modimolle**

*E. coli* plus *Clostridium perfringens* – Two Kudu calves in a wild-life estate died, tested positive for *E. coli* and *C. perfringens*. Found out later that calves grazed on an area where the grass was fertilized with manure coming from a swine farm

### **Mokopane**

Wireworm – 1 severe infestation

### **North West**

#### **Stella**

Internal parasites - 3

### **KwaZulu-Natal**

#### **Pongola**

Nuisance flies – 1

### **Eastern Cape**

#### **Stutterheim**

Lungs – 1 Roan calf

### **Swine**

#### **Onderstepoort**

Mange – 11 pigs

## **Monthly report on Livestock and Wildlife isolations for February 2020 from**

## **Vetdiagnostix –Microbiology Laboratory, supplied by dr. Marijke Henton**

([henton@vetdx.co.za](mailto:henton@vetdx.co.za))

### **Vetdiagnostix microbiology**

*E. coli* is a very common secondary invader of intestinal lesions caused by other pathogens. Such environmental *E. coli* strains are usually not virulent. They are only able to act in a secondary role. The *Cryptosporidium* epidemic over the last few years in ruminants was often incorrectly ascribed to *E. coli*. The only way to distinguish between pathogenic and environmental strains of *E. coli* is by using a PCR

test to identify whether virulence factors are present or not. Virtually all the *E. coli* and *Cryptosporidium* combined infections during the last 2 or 3 years showed that the *E. coli* isolates were not virulent and were therefore only secondary invaders. An exception this month was a 15-day old calf that bloated and died acutely. It showed enteritis with yellow contents. No *Cryptosporidium* was present. The *E. coli* was positive for the virulence factors associated with Enteropathogenic *E. coli* [ETEC] strains, which affect calves 2 weeks to 2 months old. These strains are not common. ETEC strains differ from the common Enterotoxigenic *E. coli* [ETEC] strains of newborn [up to 3 days of age] ruminants.

There were 4 other cases of enteritis in calves, where *E. coli* was isolated, and one other was due to *Salmonella* Typhimurium. Lambs had three *E. coli* enteritis cases, and two of them were ESBL [Extended Spectrum Beta Lactamase] strains, which are resistant to most antibiotics. There was one case in a goat, and 3 in pigs.

*Salmonella* Dublin was isolated from a septicaemic calf.

Respiratory tract disease in cattle yielded *Histophilus somni*, *Mannheimia haemolytica* [2], *Mycoplasma*, *Pasteurella multocida*, *Streptococcus canis* and *Trueperella pyogenes*. Pneumonia in sheep was due to *M. haemolytica*. Septicaemia in pigs was due to a Haemorrhagic Septicaemia strain of *Pasteurella multocida*; only the second such case in South Africa as far as is known.

*T. pyogenes* also caused metritis in a cow, arthritis in a bovine and an abscess in another bovine, as well as mastitis in a dairy herd. Another metritis case was due to *Histophilus somni*. Other causes of mastitis were *Streptococcus uberis* [3], *S. agalactiae*, *S. dysgalactiae*, *Enterococcus*, *Staphylococcus aureus* [3], *S. pseudintermedius*, *Corynebacterium amycolatum* [2], *E. coli* [3], *Pasteurella multocida* and *Pseudomonas aeruginosa*.

Abscesses in sheep were due to *T. pyogenes* and *Corynebacterium pseudotuberculosis*.

Gangrenous myositis in cattle was due to *C. novyi* [5] and *C. sordellii*, as well as a case in sheep due to *C. novyi*.

Farmed rhino also showed myositis due to *C. novyi*. An abscess in rhino was due to a combination of *S. aureus* and *S. pseudintermedius*. An infected cheetah wound was due to *Staphylococcus aureus*.

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

### **Veterinary Mastitis Consultant: Bovine Industry**

[0827849706@vodamail.co.za](mailto:0827849706@vodamail.co.za)

0827849706

## **DIAGNOSTIC REPORT : February 2020**

**Identified resistant Staphylococcus strains in Mosselbay milk**

**Resistant against**

**Amoxyclav**

**Ampicillin**

**Colistin**

**Enrofloxacin**

**Florfenicol**

**Fosfomycin**

**Tilmicocin**

**Ciftiofur**

**Cephalothin**

**Penicillin**

**Feedlot report received from Drs. Shaun Morris and Eben du Preez for February 2020 ([edupreez1@telkomsa.net](mailto:edupreez1@telkomsa.net))**

Condition	Comments and Specie
Intestinal roundworms	O 3
Tapeworms	B 1
Liver fluke	B 1
<i>Parafilaria</i>	B 2
Cysticercosis	B 1
Blue ticks	B 3
Bont ticks	B 3
Brown ear-ticks	B 3
Red-legged ticks	B 3, O 3
Bont-legged ticks	B 3
Nuisance flies	B 3, O 3

Blowflies	O 2
Screw-worm	B 1
Midges	B 3, O 3
Sheep scab	O 1
Itch mite	O 3
Cryptosporidiosis	B 1, ) 3
Asiatic red water	B 3
Anaplasmosis	B 3
Sweating sickness	B 3
Red gut	B 3
Blood gut	O 3
Pulpy kidney	O 3
<i>E. coli</i>	B 3, O 3
<i>Histophilus somnii</i>	B 3
Salmonellosis	O 3
Chlamydiosis	O 2
Ringworm	B 3
IBR	B 3
Warts	B 2
Gifblaar	B 3
Abortion	O 2
Navell ill	O 1
Joint ill	B 3
Lameness	B 3, O 3

Lungs	B 3, O 3
Diarrhoea	B 3, O 3
Eyes	B 1
Energy excess	B 3
Phosphate deficiency	B 1
Diseases reported by farmers: Cattle: Redwater, acidosis, gifblaar	
Sheep: Pneumonia, bloat, foot rot	
Game: Brown ear-tick -severe infestation	

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

**Specialist Veterinary Pathologist, Vetdiagnostix - Veterinary Pathology Services**

<b>LIVESTOCK DISEASE SURVEILANCE</b>			
<b>LIVESTOCK SPECIES</b>	<b>DISEASE AGENT</b>	<b>NO. CASES</b>	<b>LOCATION</b>
SHEEP ADULT	LISTERIA	1	MOOI RIVER, KZN
BOVINE ADULT	BVD MUCOSAL DISEASE	1	GAUTENG
BOVINE CALVES	CRYPTOSPORIDIUM	1	HUMANSDORP, E CAPE
BOVINE ADULT	CESTRUM POISONING	1	HUMANSDORP, E CAPE
BOVINE ADULT	ACUTE RESPIRATORY DISTRESS SYNDROME	1	MIDDLEBURG, MPUMULANGA

<b>WILDLIFE DISEASE SURVEILANCE</b>			
<b>WILDLIFE SPECIES</b>	<b>DISEASE AGENT</b>	<b>NO. CASES</b>	<b>LOCATION</b>
SPRINGBOK, ADULT EWE	CLOSTRIDIAL ENTEROTOXAEMIA	1	KWAGGASVLEI, LIMPOPO
WHITE RHINO, ADULTS	MALIGNANT OEDEMA	2	NORTHWEST

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

Condition	Comments and Specie
Heartwater tick	B 2, E 2
Brown ear-tick	B 2, E 2
Red-legged tick	E 2
Coccidiosis	C 1
<i>Cryptococcus</i>	C 2
Heartwater	B 3
Bacterial septicaemia	B 1
Red gut	B 1
Gousiekte	B 1
Diarrhoea (bacterial)	B 1, C 1
Lung infection - bacterial	C 1
Equine sarcoid	E 1



Section of Pathology  
Department of Paraclinical Sciences  
Faculty of Veterinary Science

March 2, 2020  
DAFF  
Import/Export Policy Unit Subdirectorate

**Monthly report: Faculty of Veterinary Science cases**  
**Wildlife cases sent to referring veterinarians between 29<sup>th</sup> Jan and 29<sup>th</sup> Feb 2020**

Cases from State vet Skukuza or Orpen (none)

Cases imported with master permit (none)

PMDate	Species	Final	Histo No
19-Jan-20	Sable	Hepatic ductal plate anomaly	S192-20
23-Jan-20	Black Wildebeest	Suspected neonatal septicaemia	S247-20
04-Feb-20	Cheetah	Gastritis monitoring	S363-20
05-Feb-20	Sable	Capture associated heart failure	S380-20
07-Feb-20	Axolotl	Subcutaneous oedema, polycystic renal disease	S410-20

Kind regards,

A handwritten signature in purple ink, reading 'Emily Mitchell'.

Prof. Emily Mitchell

## DISEASE DISTRIBUTION REPORT AS REPORTED BY VETERINARIANS

Month:

Feb 2020





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## Internal Parasites

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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)

### Gauteng

**Rayton, Rayton Dierekliniek**

Sheep: 2

## Roundworms in general

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>	1.8 (5)	2.3 (4)	2.0 (1)	3.0 (8)	2.5 (10)	1.8 (6)	1.8 (6)	1.8 (5)	

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

<b>Beef</b>	2.0 (2)		2.0 (1)	3.0 (2)		1.3 (3)			
<b>Sheep</b>	2.0 (2)	2.3 (3)		3.0 (4)	2.6 (9)	2.5 (2)	2.0 (4)	2.0 (4)	
<b>Goat</b>	1.0 (1)	2.0 (1)		3.0 (2)	2.0 (1)	2.0 (1)	1.5 (2)	1.0 (1)	

### Mpumalanga

**Balfour, Balfour Dierekliniek**

Beef: 1, Sheep: 1, Goat: 1

**Standerton, Econovet**

Beef: 3, Sheep: 3

### Gauteng

**Bapsfontein, Bapsfontein Dierehospitaal**

Sheep: 2

**Pretoria, Anima Veterinary Consulting Rooms**

Sheep: 3

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

Sheep: 2

Six sheep

Goat: 2

Seven goats

**Limpopo**

**Tzaneen, ZZ2 Farm Practice**

Beef: 2

Deworm all calves

**North West**

**Christiana, Christiana Dierehospitaal**

Beef: 3, Sheep: 3

**Klerksdorp, Klerksdorp Dierehospitaal**

Sheep: 3

**Stella, Stella Dierekliniek**

Beef: 3, Sheep: 3, Goat: 3

**Ventersdorp, Ventersdorp Dierekliniek**

Sheep: 3, Goat: 3

**Free State**

**Bloemfontein, Dr Stephan Wessels**

Sheep: 3

**Clocolan, Clocolan Dierekliniek**

Sheep: 2

**Hoopstad, Hoopstad Dierekliniek**

Sheep: 3

**Kroonstad, Kroonstad Dierehospitaal**

Sheep: 3

**Parys, Parys Dierehospitaal**

Sheep: 2, Goat: 2

**Viljoenskroon, Viljoenskroon Dierekliniek**

Sheep: 3

**Villiers, Wilgepoort Veedienste**

Sheep: 3

**Vrede, Saulshoek Direpraktik**

Sheep: 3

**Wesselsbron, Wesselsbron Dierekliniek**

Sheep: 1

**Kwazulu-Natal**

**Dundee, Endumeni Herd health**

Beef: 1

**Mooi River, Mooirivier Vet Clinic**

Beef: 1, Sheep: 2

**Mtubatuba, Mtubatuba Animal Clinic**

Beef: 2, Goat: 2

**Vryheid, Vryheid Privaat Veeartse**

Sheep: 3

**Eastern Cape**

**Aliwal North, Hertzogbrug Dierekliniek**

Sheep: 2

**Graaff-Reinet, Camdeboo Veterinary Clinic**

Goat: 1

**Graaff-Reinet, Graaff Reinet Veterinary Clinic**

Sheep: 2, Goat: 2

**Port Alfred, Kowie Veterinary Clinic**

Sheep: 2

Two cases of verminosis - Shaw Park

**Witelsbos, Witelsbos Veterinary Consulting Rooms**

Sheep: 2

**Western Cape**

**Beaufort West, Beaufort Dierekliniek**

Sheep: 1

**Beaufort West, Beaufort West State Vet**

Goat: 1

On planted fields, diagnosed on faecal sample

**Caledon, Caledon Dierekliniek**

Sheep: 3

**Darling, Tygerberg Dierehospitaal Darling**

Sheep: 2

Nematodirus

**Moorreesburg, Tygerberg Moorreesburg**

Sheep: 2

## Resistant Round Worms



PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)	2.0 (3)		2.3 (3)	2.3 (8)	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

Sheep	1.0 (1)	2.0 (2)		2.0 (2)	2.3 (8)	2.0 (2)	2.0 (2)		
Goat		2.0 (1)		3.0 (1)			2.0 (1)		

**Mpumalanga**

**Balfour, Balfour Dierekliniek**

Sheep: 1

**Gauteng**

**Bronkhorstspuit, Kerkstraat Dierekliniek**

Sheep: 2, Goat: 2

**Pretoria, Anima Veterinary Consulting Rooms**

Sheep: 2

**North West**

**Christiana, Christiana Dierehospitaal**

Sheep: 1

**Ventersdorp, Ventersdorp Dierekliniek**

Sheep: 3, Goat: 3

**Free State**

**Bloemfontein, Dr Stephan Wessels**

Sheep: 2

**Bothaville, Bothaville Dierekliniek**

Sheep: 2

**Clocolan, Clocolan Dierekliniek**

Sheep: 2

**Hoopstad, Hoopstad Dierekliniek**

Sheep: 3

**Memel, Memel Veterinary Clinic**

Sheep: 2

**Reitz, Riemland Dierehospitaal**

Sheep: 2

**Viljoenskroon, Viljoenskroon Dierekliniek**

Sheep: 3

**Villiers, Wilgepoort Veedienste**

Sheep: 2

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

Sheep: 1

**Vryheid, Vryheid Privaat Veeartse**

Sheep: 3

**Eastern Cape****Cradock, Cradock Veterinary Clinic**

Sheep: 2

Closantel

**Graaff-Reinet, Graaff Reinet Veterinary Clinic**

Sheep: 2, Goat: 2

**Wireworm**

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.7 (9)	2.5 (6)	2.6 (5)	3.0 (6)	2.7 (13)	2.1 (7)	2.5 (6)	2.0 (3)	1.5 (2)

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

Sheep	2.8 (8)	2.5 (4)	2.6 (5)	3.0 (6)	2.7 (13)	2.0 (5)	2.8 (5)	2.0 (2)	1.5 (2)
Goat	2.0 (1)	2.5 (2)				2.5 (2)	1.0 (1)	2.0 (1)	

**Mpumalanga****Bethal, Bethal Dierekliniek**

Sheep: 2

**Ermelo, Môregloed Veterinêre Spreekkamer**

Sheep: 3

**Hendrina, Mooiplaas Veterinêre Dienste**

Sheep: 3

Severe

**Lydenburg, Longtom Dierekliniek**

Sheep: 3

**Lydenburg, Lydenburg Dieresprekkamer**

Sheep: 2

**Middelburg, Neil Fourie Veeartsenydienste**

Sheep: 3

Severe infestations

**Nelspruit, Nelspruit Animal Hospital**

Goat: 2

**Standerton, Econovet**

Sheep: 3

**Volkswest, Cape Cross Volksrust Dierehospitaal**

Sheep: 3

Three farms, 20 died many more affected

### **Gauteng**

#### **Bronkhorstspuit, Kerkstraat Dierekliniek**

Sheep: 3, Goat: 2

#### **Hammanskraal, Themba Animal Clinic**

Sheep: 2, Goat: 3

#### **Magaliesburg, Magaliesburg; Dr Ryan Jeffrey**

Sheep: 3

#### **Nigel, Welgelegen Dierekliniek**

Sheep: 2

### **Limpopo**

#### **Bela Bela, Artemis Veterinary Services**

Sheep: 3

Merino, poor condition, long wool, heat stress - treated with macrocyclic lactone - recovered. Other cases, wireworm, sheep dying

#### **Bela-Bela, Warmbad Dierekliniek**

Sheep: 3

#### **Makhado, Blouberg Dierekliniek**

Sheep: 2

Six cases

#### **Mokopane, Bundu Veterinary Services**

Sheep: 2

Eight severe cases

#### **Vaalwater, Vaalwater Dieresprekkamer**

Sheep: 3

### **North West**

#### **Brits, Brits Dierekliniek**

Sheep: 3

#### **Leeudoringstad, Leeudoringstad Dierekliniek**

Sheep: 3

#### **Ottosdal, Lakensvlei Dierehospitaal**

Sheep: 3

Deaths

#### **Potchefstroom, Morvet**

Sheep: 3

#### **Rustenburg, Bergbos Dierekliniek**

Sheep: 3

#### **Vryburg, Vryburg Dierehospitaal**

Sheep: 3

### **Free State**

#### **Bothaville, Bothaville Dierekliniek**

Sheep: 2

#### **Clocolan, Clocolan Dierekliniek**

Sheep: 2

#### **Ficksburg, Oosvrystaat Dier Produkte**

Sheep: 3

#### **Frankfort, Frankfort Dierekliniek**

Sheep: 3

#### **Gariepdam, Gariep Dierekliniek**

Sheep: 3

Severe wireworm infestation in lambs

#### **Hoopstad, Hoopstad Dierekliniek**

Sheep: 3

#### **Kroonstad, Kroonstad Dierehospitaal**

Sheep: 3									
<b>Ladybrand, Ladybrand Dierekliniek</b>									
Sheep: 3									
<b>Memel, Memel Veterinary Clinic</b>									
Sheep: 3									
<b>Reitz, Riemland Dierehospitaal</b>									
Sheep: 2									
<b>Villiers, Wilgepoort Veedienste</b>									
Sheep: 3									
<b>Vrede, Saulshoek Direpraktyk</b>									
Sheep: 3									
<b>Wesselsbron, Wesselsbron Dierekliniek</b>									
Sheep: 2									
<b>Kwazulu-Natal</b>									
<b>Camperdown, Camperdown Vet Clinic</b>									
Sheep: 1									
<b>Dundee, Endumeni Herd health</b>									
Sheep: 3, Goat: 3									
<b>Estcourt, Estcourt Vet Clinic</b>									
Sheep: 2, Goat: 2									
<b>Howick, Howick Veterinary Clinic</b>									
Sheep: 2									
<b>Pietermaritzburg, Veterinary House Hospital</b>									
Sheep: 2									
<b>Eastern Cape</b>									
<b>Adelaide, Adelaide Veterinary Clinic</b>									
Sheep: 3									
<b>Aliwal North, Hertzogbrug Dierekliniek</b>									
Sheep: 2									
<b>Cradock, Cradock Veterinary Clinic</b>									
Sheep: 3									
<b>Graaff-Reinet, Camdeboo Veterinary Clinic</b>									
Goat: 1									
<b>Steynsburg, Steynsburg Dierehospitaal</b>									
Sheep: 3									
<b>Stutterheim, Stutterheim Veterinary Clinic</b>									
Sheep: 3									
<b>Western Cape</b>									
<b>Beaufort West, Beaufort Dierekliniek</b>									
Goat: 2									
<b>George, George Animal Hospital</b>									
Sheep: 3									
<b>Stellenbosch, Stellenbosch Animal Hospital</b>									
Sheep: 1									
<b>Northern Cape</b>									
<b>Colesberg, Karoo Veterinary Hospital</b>									
Sheep: 2									
<b>Kimberley, Kimberley Dierekliniek</b>									
Sheep: 1									
<b>Brown stomach-worm</b>									<a href="#">^</a>
<b>PROVINCE</b>	<b>Mpumalanga</b>	<b>Gauteng</b>	<b>Limpopo</b>	<b>North West</b>	<b>Free State</b>	<b>Kwazulu-Natal</b>	<b>Eastern Cape</b>	<b>Western Cape</b>	<b>Northern Cape</b>

Average						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									
Dairy						2.0 (1)			
Goat						2.0 (1)			
Kwazulu-Natal									
Howick, Howick Veterinary Clinic									
Dairy: 2									
Eastern Cape									
Somerset East, Bosberg Veterinary Clinic									
Goat: 2									
Nodular worm									^
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)		
Eastern Cape									
Steynsburg, Steynsburg Dierehospitaal									
Sheep: 3									
Eye worm ( <i>Thelazia rhodesii</i> )									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average				3.0 (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				3.0 (1)	2.5 (2)				
North West									
Vryburg, Vryburg Dierehospitaal									
Beef: 3									
Free State									
Ficksburg, Oosvrystaat Diere Produkte									
Beef: 3									
Ladybrand, Ladybrand Dierekliniek									
Beef: 2									
Tape Worms									^



PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.8 (4)	1.8 (4)	2.0 (1)	2.0 (2)	2.3 (7)	1.5 (2)	2.7 (3)		

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

Beef	1.5 (2)	1.0 (1)	2.0 (1)		1.0 (1)	1.0 (1)			
Dairy					2.0 (1)				
Sheep	2.0 (2)	2.0 (2)		2.0 (2)	2.6 (5)	2.0 (1)	3.0 (1)		
Goat		2.0 (1)					2.5 (2)		

#### Mpumalanga

##### Balfour, Balfour Dierekliniek

Beef: 1

##### Lydenburg, Longtom Dierekliniek

Beef: 2, Sheep: 2

##### Volksrust, Cape Cross Volksrust Dierehospitaal

Sheep: 2

Five lambs with milk tape worms

#### Gauteng

##### Bronkhorstspuit, Kerkstraat Dierekliniek

Beef: 1, Sheep: 2, Goat: 2

##### Pretoria, Anima Veterinary Consulting Rooms

Sheep: 2

#### Limpopo

##### Tzaneen, ZZ2 Farm Practice

Beef: 2

#### North West

##### Rustenburg, Bergbos Dierekliniek

Sheep: 1

##### Ventersdorp, Ventersdorp Dierekliniek

Sheep: 3

#### Free State

##### Bloemfontein, Dr Stephan Wessels

Sheep: 2

##### Bultfontein, Greyling'srust Dieresprekkamer

Beef: 1

##### Ficksburg, Oosvrystaat Diere Produkte

Sheep: 3

##### Kroonstad, Kroonstad Dierehospitaal

Dairy: 2

##### Reitz, Riemland Dierehospitaal

Sheep: 2

##### Viljoenskroon, Viljoenskroon Dierekliniek

Sheep: 3

##### Vrede, Saulshoek Dierepraktik

Sheep: 3

#### Kwazulu-Natal

**Estcourt, Estcourt Vet Clinic**

Sheep: 2

**Mooi River, Mooirivier Vet Clinic**

Beef: 1

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

Goat: 2

**Somerset East, Bosberg Veterinary Clinic**

Sheep: 3, Goat: 3

<b>Parafilaria</b>									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>			1.0 (1)			1.5 (2)		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

<b>Beef</b>			1.0 (1)			1.5 (2)			2.0 (1)
<b>Dairy</b>								2.0 (1)	

**Limpopo****Tzaneen, ZZ2 Farm Practice**

Beef: 1

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

Beef: 1

**Vryheid, Vryheid Privaat Veeartse**

Beef: 2

**Western Cape****Darling, Tygerberg Dierehospitaal Darling**

Dairy: 2

*Parafilaria 1; Stephanofilaria 1***Northern Cape****Kimberley, Kimberley Dierekliniek**

Beef: 2

Seen at abattoir

<b>Liver fluke</b>									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>	3.0 (3)				2.0 (1)	2.8 (4)		1.0 (1)	

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

<b>Beef</b>	3.0 (1)				2.0 (1)	2.7 (3)		1.0 (1)	
<b>Dairy</b>						3.0 (1)			
<b>Sheep</b>	3.0 (2)								

**Mpumalanga****Lydenburg, Longtom Dierekliniek**

Sheep: 3

**Standerton, Econovet**

Beef: 3, Sheep: 3

**Free State****Clocolan, Clocolan Dierekliniek**

Beef: 2

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

Beef: 3, Dairy: 3

**Pietermaritzburg, Veterinary House Hospital**

Beef: 2

**Underberg, Underberg Veterinary Surgery**

Beef: 3

Especially cows late in lactation

**Western Cape****Stellenbosch, Stellenbosch Animal Hospital**

Beef: 1

**Conical Flukes**

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>	2.0 (1)	2.0 (1)		1.0 (1)	1.8 (4)	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

<b>Beef</b>	2.0 (1)	2.0 (1)		1.0 (1)	2.0 (2)	1.5 (2)			
<b>Dairy</b>					2.0 (1)	2.0 (1)			
<b>Sheep</b>					1.0 (1)				

**Mpumalanga****Ermelo, Môregloed Veterinêre Spreekkamer**

Beef: 2

**Gauteng****Bapsfontein, Bapsfontein Dierhospitaal**

Beef: 2

**North West****Ventersdorp, Ventersdorp Dierekliniek**

Beef: 1

**Free State****Frankfort, Frankfort Dierekliniek**

Beef: 3

**Kroonstad, Kroonstad Dierhospitaal**

Dairy: 2

**Villiers, Wilgepoort Veedienste**

Beef: 1, Sheep: 1

**Kwazulu-Natal**

**Howick, Howick Veterinary Clinic**

Dairy: 2

**Mooi River, Mooirivier Vet Clinic**

Beef: 2

**Underberg, Underberg Veterinary Surgery**

Beef: 1

**Cysticercosis**

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

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

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

**Mpumalanga****Nelspruit, Nelspruit Animal Hospital**

Beef: 3

Abattoir

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

Sheep: 1

Downer sheep due to circulating worm in the central nervous system

**Free State****Parys, Parys Dierehospitaal**

Beef: 3

**Kwazulu-Natal****Pietermaritzburg, Veterinary House Hospital**

Beef: 2

**External Parasites****Blue ticks**

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.6 (5)	2.0 (5)	2.0 (2)	2.8 (4)	2.7 (15)	2.8 (10)	2.5 (4)	2.8 (4)	2.5 (2)

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

Beef	2.5 (4)	2.0 (4)	2.0 (2)	2.8 (4)	2.6 (9)	2.8 (8)	2.7 (3)	2.5 (2)	2.5 (2)
Dairy					3.0 (2)	3.0 (2)		3.0 (1)	

Sheep	3.0 (1)	2.0 (1)	3.0 (4)	2.0 (1)	3.0 (1)
<b>Mpumalanga</b>					
<b>Balfour, Balfour Dierekliniek</b>					
Beef: 2					
<b>Lydenburg, Lydenburg Dieresprekkamer</b>					
Beef: 3					
<b>Middelburg, Neil Fourie Veeartsenydienste</b>					
Sheep: 3					
<b>Nelspruit, Nelspruit Animal Hospital</b>					
Beef: 2					
<b>Standerton, Econovet</b>					
Beef: 3					
<b>Gauteng</b>					
<b>Bapsfontein, Bapsfontein Dierehospitaal</b>					
Beef: 2, Sheep: 2					
<b>Hammanskraal, Themba Animal Clinic</b>					
Beef: 3					
<b>Krugersdorp, Veearts Netwerk</b>					
Beef: 1					
<b>Rayton, Rayton Dierekliniek</b>					
Beef: 2					
<b>Limpopo</b>					
<b>Mokopane, Bundu Veterinary Services</b>					
Beef: 3					
<b>Tzaneen, ZZ2 Farm Practice</b>					
Beef: 1					
<b>North West</b>					
<b>Klerksdorp, Klerksdorp Dierehospitaal</b>					
Beef: 2					
<b>Lichtenburg, Dr CM Kruger-Rall</b>					
Beef: 3					
<b>Ventersdorp, Ventersdorp Dierekliniek</b>					
Beef: 3					
<b>Vryburg, Molopo Dieresprekkamer</b>					
Beef: 3					
<b>Free State</b>					
<b>Bloemfontein, Dr Stephan Wessels</b>					
Beef: 3					
<b>Ficksburg, Oosvrystaat Dier Produkte</b>					
Beef: 3, Dairy: 3, Sheep: 3					
<b>Frankfort, Frankfort Dierekliniek</b>					
Beef: 3					
<b>Hoopstad, Hoopstad Dierekliniek</b>					
Beef: 3, Sheep: 3					
<b>Kroonstad, Dr. Theo Kotze Senekal</b>					
Dairy: 3					
<b>Memel, Memel Veterinary Clinic</b>					
Beef: 2					
<b>Parys, Parys Dierehospitaal</b>					
Beef: 3, Sheep: 3					
<b>Viljoenskroon, Viljoenskroon Dierekliniek</b>					
Sheep: 3					
<b>Villiers, Wilgepoort Veedienste</b>					
Beef: 2					

**Vrede, Saulshoek Dierepraktyk**

Beef: 3

**Wesselsbron, Wesselsbron Dierekliniek**

Beef: 1

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

Beef: 3

**Dundee, Endumeni Herd health**

Beef: 3, Dairy: 3

**Howick, Howick Veterinary Clinic**

Beef: 3, Dairy: 3

**Mooi River, Mooirivier Vet Clinic**

Beef: 3

**Mtubatuba, Mtubatuba Animal Clinic**

Beef: 2

**Pietermaritzburg, Veterinary House Hospital**

Beef: 2

**Underberg, Underberg Veterinary Surgery**

Beef: 3

**Vryheid, Vryheid Privaat Veeartse**

Beef: 3

**Eastern Cape****Aliwal North, Hertzogbrug Dierekliniek**

Beef: 3, Sheep: 2

**Graaff-Reinet, Graaff Reinet Veterinary Clinic**

Beef: 2

**Humansdorp, Humansdorp Veterinary Clinic**

Beef: 3

**Western Cape****George, George Animal Hospital**

Beef: 3, Dairy: 3

**Moorreesburg, Tygerberg Moorreesburg**

Sheep: 3

**Oudtshoorn, Oudtshoorn Dierekliniek**

Beef: 2

**Northern Cape****Colesberg, Karoo Veterinary Hospital**

Beef: 3

**Kuruman, Kuruman Dierekliniek**

Beef: 2

**Resistant blue Ticks**

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

**Free State**

**Reitz, Riemland Dierehospitaal**

Beef: 1

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

Beef: 2

**Heartwater (Bont) ticks**

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
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<b>Average</b>	2.3 (3)	2.8 (8)	2.5 (2)	3.0 (1)		1.9 (12)	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

<b>Beef</b>	2.5 (2)	2.8 (4)	2.5 (2)	3.0 (1)		2.0 (6)	1.0 (1)		
<b>Dairy</b>		2.0 (1)				1.0 (1)			
<b>Sheep</b>	2.0 (1)	3.0 (2)				1.0 (1)			
<b>Goat</b>		3.0 (1)				2.3 (4)			

**Mpumalanga****Lydenburg, Longtom Dierekliniek**

Beef: 3, Sheep: 2

**Lydenburg, Lydenburg Dieresprekkamer**

Beef: 2

**Gauteng****Hammanskraal, Themba Animal Clinic**

Beef: 3, Dairy: 2, Sheep: 3, Goat: 3

**Muldersdrift, Muldersdrift Animal Hospital**

Beef: 3

**Pretoria, Anima Veterinary Consulting Rooms**

Beef: 3, Sheep: 3

**Rayton, Rayton Dierekliniek**

Beef: 2

**Limpopo****Mokopane, Bundu Veterinary Services**

Beef: 3

**Tzaneen, ZZ2 Farm Practice**

Beef: 2

**North West****Vryburg, Molopo Dieresprekkamer**

Beef: 3

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

Beef: 3

**Estcourt, Estcourt Vet Clinic**

Beef: 1, Dairy: 1, Goat: 2

**Howick, Howick Veterinary Clinic**

Beef: 2, Goat: 3

**Mtubatuba, Mtubatuba Animal Clinic**

Beef: 3, Goat: 3

**Pietermaritzburg, Veterinary House Hospital**

Beef: 2

**Pongola, Pongola Animal Clinic**

Beef: 1, Sheep: 1, Goat: 1

### Eastern Cape

**Humansdorp, Humansdorp Veterinary Clinic**

Beef: 1

### Brown ear-ticks



PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
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Average	2.2 (6)	2.7 (3)	3.0 (2)	2.5 (4)	2.7 (3)	2.5 (6)			
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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	2.2 (6)	3.0 (2)	3.0 (2)	2.5 (4)	2.7 (3)	2.6 (5)			
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Dairy						2.0 (1)			
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Sheep		2.0 (1)							
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### Mpumalanga

**Balfour, Balfour Dierekliniek**

Beef: 1

**Ermelo, Môregloed Veterinêre Spreekkamer**

Beef: 2

**Lydenburg, Longtom Dierekliniek**

Beef: 3

Extremely high occurrence

**Lydenburg, Lydenburg Dieresprekkamer**

Beef: 3

**Nelspruit, Nelspruit Animal Hospital**

Beef: 2

**Standerton, Econovet**

Beef: 2

### Gauteng

**Bronkhorstspuit, Kerkstraat Dierekliniek**

Beef: 3, Sheep: 2

**Pretoria, Anima Veterinary Consulting Rooms**

Beef: 3

### Limpopo

**Mokopane, Bundu Veterinary Services**

Beef: 3

**Tzaneen, ZZ2 Farm Practice**

Beef: 3

### North West

**Brits, Brits Dierekliniek**

Beef: 3

**Klerksdorp, Klerksdorp Dierehospitaal**

Beef: 2

**Rustenburg, Bergbos Dierekliniek**

Beef: 2

**Ventersdorp, Ventersdorp Dierekliniek**

Beef: 3

### Free State



**Memel, Memel Veterinary Clinic**

Beef: 2

**Parys, Parys Dierehospitaal**

Beef: 3

**Viljoenskroon, Viljoenskroon Dierekliniek**

Beef: 3

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

Beef: 3

**Dundee, Endumeni Herd health**

Beef: 3, Dairy: 2

**Estcourt, Estcourt Vet Clinic**

Beef: 2

**Pietermaritzburg, Veterinary House Hospital**

Beef: 2

**Vryheid, Vryheid Privaat Veeartse**

Beef: 3

**Bont-legged ticks**

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>	1.5 (2)	2.3 (9)	2.7 (3)	3.0 (4)	2.7 (13)	2.2 (5)			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

<b>Beef</b>	1.5 (2)	2.3 (3)	2.7 (3)	3.0 (2)	2.7 (7)	2.2 (5)			2.5 (2)
<b>Dairy</b>					3.0 (1)				
<b>Sheep</b>		2.3 (3)		3.0 (2)	2.6 (5)				2.0 (1)
<b>Goat</b>		2.3 (3)							2.0 (1)

**Mpumalanga****Balfour, Balfour Dierekliniek**

Beef: 1

**Nelspruit, Nelspruit Animal Hospital**

Beef: 2

**Gauteng****Bronkhorstspuit, Kerkstraat Dierekliniek**

Beef: 2, Sheep: 2, Goat: 2

**Hammanskraal, Themba Animal Clinic**

Beef: 3, Sheep: 3, Goat: 3

**Krugersdorp, Veearts Netwerk**

Beef: 2

**Rayton, Rayton Dierekliniek**

Sheep: 2, Goat: 2

**Limpopo****Bela-Bela, Warmbad Dierekliniek**

Beef: 3

**Mokopane, Bundu Veterinary Services**

Beef: 3

**Tzaneen, ZZ2 Farm Practice**

Beef: 2

**North West****Christiana, Christiana Dierehospitaal**

Beef: 3, Sheep: 3

**Klerksdorp, Klerksdorp Dierehospitaal**

Beef: 3, Sheep: 3

**Free State****Ficksburg, Oosvrystaat Diere Produkte**

Beef: 3, Sheep: 3

**Frankfort, Frankfort Dierekliniek**

Beef: 2

**Hoopstad, Hoopstad Dierekliniek**

Beef: 3, Sheep: 3

**Kroonstad, Dr. Theo Kotze Senekal**

Dairy: 3

**Kroonstad, Kroonstad Dierehospitaal**

Beef: 3, Sheep: 3

**Memel, Memel Veterinary Clinic**

Beef: 2

**Parys, Parys Dierehospitaal**

Beef: 3

**Philippolis, Rowelsfontein veearts Spreekkamer**

Sheep: 3

**Viljoenskroon, Viljoenskroon Dierekliniek**

Beef: 3

**Wesselsbron, Wesselsbron Dierekliniek**

Sheep: 1

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

Beef: 3

**Mooi River, Mooirivier Vet Clinic**

Beef: 2

**Pietermaritzburg, Veterinary House Hospital**

Beef: 2

**Pongola, Pongola Animal Clinic**

Beef: 1

**Vryheid, Vryheid Privaat Veeartse**


Beef: 3

**Northern Cape****Colesberg, Karoo Veterinary Hospital**

Beef: 2

**Kuruman, Kuruman Dierekliniek**

Beef: 3, Sheep: 2, Goat: 2

Red-legged ticks									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	3.0 (2)	2.0 (5)		3.0 (2)	2.7 (7)	2.7 (3)			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

<b>Beef</b>	3.0 (2)	2.0 (2)		3.0 (1)	2.8 (5)	2.7 (3)		3.0 (2)
<b>Sheep</b>		2.0 (3)		3.0 (1)	2.5 (2)			

#### **Mpumalanga**

##### **Lydenburg, Longtom Dierekliniek**

Beef: 3

##### **Lydenburg, Lydenburg Dieresprekkamer**

Beef: 3

#### **Gauteng**

##### **Bapsfontein, Bapsfontein Dierehospitaal**

Beef: 2, Sheep: 2

##### **Pretoria, Anima Veterinary Consulting Rooms**

Beef: 2, Sheep: 2

##### **Rayton, Rayton Dierekliniek**

Sheep: 2

#### **North West**

##### **Christiana, Christiana Dierehospitaal**

Beef: 3, Sheep: 3

#### **Free State**

##### **Hoopstad, Hoopstad Dierekliniek**

Beef: 3, Sheep: 3

##### **Memel, Memel Veterinary Clinic**

Beef: 2, Sheep: 2

##### **Parys, Parys Dierehospitaal**

Beef: 3

##### **Vrede, Saulshoek Dierepraktik**

Beef: 3

##### **Winburg, Winburg Dierekliniek**

Beef: 3

#### **Kwazulu-Natal**

##### **Mooi River, Mooirivier Vet Clinic**

Beef: 2

##### **Underberg, Underberg Veterinary Surgery**

Beef: 3

##### **Vryheid, Vryheid Privaat Veeartse**

Beef: 3

#### **Northern Cape**

##### **Colesberg, Karoo Veterinary Hospital**

Beef: 3

##### **Kathu, Kathu Dierekliniek**

Beef: 3

### **Paralysis ticks**



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

<b>Sheep</b>		1.0 (1)	2.0 (1)
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<b>North West</b>
<b>Klerksdorp, Klerksdorp Dierehospitaal</b>
Sheep: 1
<b>Free State</b>
<b>Villiers, Wilgepoort Veedienste</b>
Sheep: 2

### Biting lice (red lice) [^](#)

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

<b>Average</b>	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

<b>Sheep</b>	2.0 (1)
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<b>Mpumalanga</b>
<b>Standerton, Econovet</b>
Sheep: 2

### Sucking lice (blue lice) [^](#)

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

<b>Average</b>				2.0 (1)			2.0 (1)		2.0 (1)
----------------	--	--	--	---------	--	--	---------	--	---------

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

<b>Beef</b>		2.0 (1)							
<b>Goat</b>							2.0 (1)		2.0 (1)

<b>North West</b>
<b>Klerksdorp, Klerksdorp Dierehospitaal</b>
Beef: 2
<b>Eastern Cape</b>
<b>Graaff-Reinet, Camdeboo Veterinary Clinic</b>
Goat: 2
<b>Northern Cape</b>
<b>Postmasburg, Postmasburg Dierekliniek</b>
Goat: 2

### Scab mites [^](#)

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

<b>Average</b>	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

<b>Sheep</b>	2.0 (1)	3.0 (1)
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#### Gauteng

**Pretoria, Anima Veterinary Consulting Rooms**

Sheep: 2

#### Free State

**Villiers, Wilgepoort Veedienste**

Sheep: 3

### Mange Mites

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

<b>Average</b>					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

<b>Sheep</b>					3.0 (1)				
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#### Free State

**Vrede, Saulshoek Dierepraktyk**

Sheep: 3

### Nuisance Flies

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

<b>Average</b>	2.2 (6)				2.8 (10)	2.0 (7)	3.0 (1)	2.6 (5)	
----------------	---------	--	--	--	----------	---------	---------	---------	--

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

<b>Beef</b>	2.3 (3)				2.7 (3)	2.3 (4)		2.0 (1)	
<b>Dairy</b>					3.0 (3)	3.0 (1)	3.0 (1)	3.0 (3)	
<b>Sheep</b>	2.0 (1)				2.8 (4)	1.0 (1)		2.0 (1)	
<b>Goat</b>	2.0 (2)					1.0 (1)			

#### Mpumalanga

**Balfour, Balfour Dierekliniek**

Beef: 2, Sheep: 2, Goat: 2

**Lydenburg, Longtom Dierekliniek**

Beef: 2

**Nelspruit, Nelspruit Animal Hospital**

Beef: 3, Goat: 2

**Free State**

**Bloemfontein, Dr Stephan Wessels**

Beef: 3

**Ficksburg, Oosvrystaat Diere Produkte**

Beef: 3, Dairy: 3, Sheep: 3

**Hoopstad, Hoopstad Dierekliniek**

Sheep: 3

**Kroonstad, Dr. Theo Kotze Senekal**

Dairy: 3

**Kroonstad, Kroonstad Dierehospitaal**

Dairy: 3

**Philippolis, Rowelsfontein veearts Spreekkamer**

Sheep: 3

**Villiers, Wilgepoort Veedienste**

Beef: 2, Sheep: 2

**Kwazulu-Natal**

**Bergville, Bergville Veterinary Clinic**

Beef: 3

**Dundee, Endumeni Herd health**

Dairy: 3

**Mtubatuba, Mtubatuba Animal Clinic**

Beef: 2

**Pongola, Pongola Animal Clinic**

Beef: 1, Sheep: 1, Goat: 1

**Underberg, Underberg Veterinary Surgery**

Beef: 3

**Eastern Cape**

**Alexandria, Alexandria Platteland Spreekkamer**

Dairy: 3

**Western Cape**

**George, George Animal Hospital**

Dairy: 3

**Malmesbury, Dr Otto Kriek**


Dairy: 3

**Oudtshoorn, Oudtshoorn Dierekliniek**

Beef: 2, Sheep: 2

**Swellendam, Swellendam Dierehospitaal**

Dairy: 3

Blowflies									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.8 (4)			2.5 (2)	2.5 (4)	2.5 (2)		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

<b>Beef</b>	1.5 (2)			2.5 (2)	2.5 (2)	3.0 (1)			1.0 (1)
<b>Sheep</b>	2.0 (1)				2.5 (2)	2.0 (1)			2.0 (2)
<b>Goat</b>	2.0 (1)								

#### **Mpumalanga**

##### **Balfour, Balfour Dierekliniek**

Beef: 2, Sheep: 2, Goat: 2

##### **Lydenburg, Lydenburg Dieresprekkamer**

Beef: 1

#### **North West**

##### **Rustenburg, Bergbos Dierekliniek**

Beef: 3

##### **Ventersdorp, Ventersdorp Dierekliniek**

Beef: 2

#### **Free State**

##### **Bloemfontein, Dr Stephan Wessels**

Beef: 3

##### **Hoopstad, Hoopstad Dierekliniek**

Sheep: 3

##### **Parys, Parys Dierehospitaal**

Beef: 2

##### **Villiers, Wilgepoort Veedienste**

Sheep: 2

#### **Kwazulu-Natal**

##### **Howick, Howick Veterinary Clinic**

Sheep: 2

##### **Underberg, Underberg Veterinary Surgery**

Beef: 3

#### **Western Cape**

##### **Heidelberg (WC), Heidelberg Dierekliniek**

Sheep: 3

##### **Oudtshoorn, Oudtshoorn Dierekliniek**

Beef: 1, Sheep: 1

### **Screw-worm**

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

<b>Beef</b>	2.0 (1)		1.0 (1)						
<b>Sheep</b>		1.0 (1)							

#### **Mpumalanga**

##### **Nelspruit, Nelspruit Animal Hospital**

Beef: 2

#### **Gauteng**

##### **Rayton, Rayton Dierekliniek**

Sheep: 1

**Limpopo****Tzaneen, ZZ2 Farm Practice**

Beef: 1

**Nasal bot larvae**

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>	3.0 (2)	2.0 (3)		3.0 (1)	2.5 (8)	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

<b>Sheep</b>	3.0 (2)	2.0 (2)		3.0 (1)	2.5 (8)	3.0 (1)		2.0 (2)	
<b>Goat</b>		2.0 (1)							

**Mpumalanga****Lydenburg, Longtom Dierekliniek**

Sheep: 3

**Standerton, Econovet**

Sheep: 3

**Gauteng****Bronkhorstspuit, Kerkstraat Dierekliniek**

Sheep: 2, Goat: 2

**Nigel, Welgelegen Dierekliniek**

Sheep: 2

**North West****Potchefstroom, Morvet**

Sheep: 3

**Free State****Bothaville, Bothaville Dierekliniek**

Sheep: 2

**Hoopstad, Hoopstad Dierekliniek**

Sheep: 3

**Ladybrand, Ladybrand Dierekliniek**

Sheep: 3

**Memel, Memel Veterinary Clinic**

Sheep: 2

**Reitz, Riemland Dierehospitaal**

Sheep: 2

**Villiers, Wilgepoort Veedienste**

Sheep: 3

**Vrede, Saulshoek Direpraktyk**

Sheep: 2

**Wesselsbron, Wesselsbron Dierekliniek**

Sheep: 3

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

Sheep: 3

**Western Cape****Beaufort West, Beaufort Dierekliniek**

Sheep: 3



**Stellenbosch, Stellenbosch Animal Hospital**

Sheep: 1

**Midges**

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>	3.0 (6)	3.0 (3)		3.0 (2)	2.7 (11)	2.6 (5)	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

<b>Beef</b>	3.0 (3)	3.0 (2)		3.0 (1)	2.7 (6)	2.0 (2)			
<b>Dairy</b>					3.0 (1)	3.0 (1)		2.0 (1)	
<b>Sheep</b>	3.0 (2)	3.0 (1)		3.0 (1)	2.8 (4)	3.0 (1)	3.0 (1)	2.0 (1)	
<b>Goat</b>	3.0 (1)					3.0 (1)			

**Mpumalanga****Balfour, Balfour Dierekliniek**

Beef: 3, Sheep: 3, Goat: 3

**Lydenburg, Longtom Dierekliniek**

Beef: 3

**Standerton, Econovet**

Beef: 3, Sheep: 3

**Gauteng****Bapsfontein, Bapsfontein Dierehospitaal**

Beef: 3

**Bronkhorstspuit, Kerkstraat Dierekliniek**

Beef: 3, Sheep: 3

**North West****Christiana, Christiana Dierehospitaal**

Beef: 3, Sheep: 3

**Free State****Bloemfontein, Dr Stephan Wessels**

Beef: 3, Sheep: 3

**Bultfontein, Greylingrust Dieresprekkamer**

Beef: 1

**Clocolan, Clocolan Dierekliniek**

Beef: 3

**Frankfort, Frankfort Dierekliniek**

Beef: 3

**Kroonstad, Dr. Theo Kotze Senekal**

Dairy: 3

**Kroonstad, Kroonstad Dierehospitaal**

Sheep: 2

**Parys, Parys Dierehospitaal**

Beef: 3, Sheep: 3

**Villiers, Wilgepoort Veedienste**

Sheep: 3

**Winburg, Winburg Dierekliniek**

Beef: 3

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

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

**Mooi River, Mooirivier Vet Clinic**

Beef: 1

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

Sheep: 3

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

Dairy: 2, Sheep: 2

Mosquitoes									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	3.0 (4)				2.8 (5)	3.0 (5)			3.0 (2)

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

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

**Mpumalanga****Lydenburg, Longtom Dierekliniek**

Beef: 3, Sheep: 3

**Standerton, Econovet**

Beef: 3, Sheep: 3

**Free State****Clocolan, Clocolan Dierekliniek**

Beef: 3

**Kroonstad, Dr. Theo Kotze Senekal**

Dairy: 3

**Villiers, Wilgepoort Veedienste**

Sheep: 3

**Wesselsbron, Wesselsbron Dierekliniek**

Beef: 3, Sheep: 2

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

Beef: 3

**Howick, Howick Veterinary Clinic**

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

**Northern Cape****Kuruman, Kuruman Dierekliniek**

Sheep: 3, Goat: 3

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

#### Northern Cape

**Kuruman, Kuruman Dierekliniek**

Beef: 3, Sheep: 3, Goat: 3

### Tick-borne Diseases

African red water									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.3 (6)	1.5 (4)	2.0 (1)	1.5 (2)	2.4 (8)	2.4 (14)	2.0 (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	2.3 (6)	1.3 (3)	2.0 (1)	1.5 (2)	2.4 (8)	2.5 (11)	2.0 (1)	1.7 (3)	
Dairy		2.0 (1)				2.3 (3)		3.0 (2)	

#### Mpumalanga

**Bethal, Bethal Dierekliniek**

Beef: 1

**Grootvlei, Grootvlei Dierekliniek**

Beef: 2

**Hendrina, Mooiplaas Veterinêre Dienste**

Beef: 3

**Lydenburg, Longtom Dierekliniek**

Beef: 3

**Lydenburg, Lydenburg Dieresprekkamer**

Beef: 2

**Standerton, Econovet**

Beef: 3

#### Gauteng

**Bapsfontein, Bapsfontein Dierehospitaal**

Beef: 1

**Hammanskraal, Themba Animal Clinic**

Beef: 1, Dairy: 2

**Magaliesburg, Magaliesburg; Dr Ryan Jeffrey**

Beef: 2

**Limpopo****Makhado, Blouberg Dierekliniek**

Beef: 2

Two cases

**North West****Klerksdorp, Klerksdorp Dierehospitaal**

Beef: 1

**Potchefstroom, Morvet**

Beef: 2

**Free State****Ficksburg, Oosvrystaat Diere Produkte**

Beef: 2

**Frankfort, Frankfort Dierekliniek**

Beef: 3

**Harrismith, Harrismith Dierehospitaal**

Beef: 3

**Parys, Parys Dierehospitaal**

Beef: 2

**Reitz, Riemland Dierehospitaal**

Beef: 2

**Viljoenskroon, Viljoenskroon Dierekliniek**

Beef: 3

**Villiers, Wilgepoort Veedienste**

Beef: 2

**Vrede, Saulshoek Dierepraktyk**

Beef: 2

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

Beef: 2

**Dundee, Endumeni Herd health**

Beef: 3, Dairy: 2

**Estcourt, Estcourt Vet Clinic**

Beef: 2, Dairy: 2

**Howick, Howick Veterinary Clinic**

Beef: 3, Dairy: 3

**Kokstad, E.G.Veterinary Services**

Beef: 3

**Mooi River, Mooirivier Vet Clinic**

Beef: 2

**Mtubatuba, Mtubatuba Animal Clinic**

Beef: 2

**Newcastle, Ncanduvet Newcastle**

Beef: 3

**Pietermaritzburg, Veterinary House Hospital**

Beef: 2

**Underberg, Underberg Veterinary Surgery**

Beef: 3

**Vryheid, Vryheid Privaat Veeartse**

Beef: 2

**Eastern Cape****Uitenhage, Uitenhage Dierehospitaal**

Beef: 2

**Western Cape**

**Ceres, Ceres Veterinary Hospital**

Beef: 2

Two cows with red water different farms

**George, George Animal Hospital**

Beef: 2

**Heidelberg (WC), Heidelberg Dierekliniek**

Dairy: 3

**Malmesbury, Dr Otto Kriek**

Dairy: 3

African red water - stable fly transmission - Baardskeerderbos

**Oudtshoorn, Oudtshoorn Dierekliniek**

Beef: 1

Asiatic red water									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	
Average	2.1 (9)	2.0 (2)	2.0 (1)	1.5 (4)	2.7 (6)	2.2 (13)	1.0 (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	2.1 (9)	2.0 (2)	2.0 (1)	1.5 (4)	2.7 (6)	2.2 (11)	1.0 (2)	1.5 (2)	
Dairy						2.5 (2)			

**Mpumalanga****Balfour, Balfour Dierekliniek**

Beef: 2

**Bethal, Bethal Dierekliniek**

Beef: 2

**Ermelo, Môregloed Veterinêre Spreekkamer**

Beef: 3

**Grootvlei, Grootvlei Dierekliniek**

Beef: 1

**Hendrina, Mooiplaas Veterinêre Dienste**

Beef: 3

**Lydenburg, Longtom Dierekliniek**

Beef: 2

**Lydenburg, Lydenburg Dieresprekkamer**

Beef: 2

**Standerton, Econovet**

Beef: 2

**Volkswest, Cape Cross Volksrust Dierhospitaal**

Beef: 2

Two farms, 6 animals died

**Gauteng****Bapsfontein, Bapsfontein Dierhospitaal**

Beef: 2

**Bronkhorstspuit, Kerkstraat Dierekliniek**

Beef: 2

**Limpopo****Makhado, Blouberg Dierekliniek**

Beef: 2

Four cases

#### **North West**

##### **Brits, Brits Direkliniek**

Beef: 2

##### **Potchefstroom, Morvet**

Beef: 2

##### **Rustenburg, Bergbos Direkliniek**

Beef: 1

##### **Stella, Stella Direkliniek**

Beef: 1

#### **Free State**

##### **Frankfort, Frankfort Direkliniek**

Beef: 3

##### **Harrismith, Harrismith Direhospitaal**

Beef: 3

##### **Memel, Memel Veterinary Clinic**

Beef: 2

##### **Villiers, Wilgepoort Veedienste**

Beef: 2

##### **Vrede, Saulshoek Direpraktyk**

Beef: 3

##### **Vrede, Vrede Direhospitaal**

Beef: 3

Severe infestations

#### **Kwazulu-Natal**

##### **Bergville, Bergville Veterinary Clinic**

Beef: 2

##### **Bergville, Tugela Vet Clinic**

Beef: 2

##### **Camperdown, Camperdown Vet Clinic**

Beef: 2

##### **Dundee, Endumeni Herd health**

Beef: 2, Dairy: 2

##### **Estcourt, Estcourt Vet Clinic**

Beef: 1

##### **Howick, Howick Veterinary Clinic**

Beef: 3, Dairy: 3

##### **Kokstad, E.G.Veterinary Services**

Beef: 3

##### **Mooi River, Mooirivier Vet Clinic**

Beef: 2

##### **Pietermaritzburg, Veterinary House Hospital**

Beef: 2

##### **Underberg, Underberg Veterinary Surgery**

Beef: 3

##### **Vryheid, Vryheid Privaat Veeartse**

Beef: 2

#### **Eastern Cape**

##### **Humansdorp, Humansdorp Veterinary Clinic**

Beef: 1

##### **Queenstown, Queenstown Veterinary clinic**

Beef: 1

#### **Western Cape**

##### **George, George Animal Hospital**

Beef: 2

**Stellenbosch, Stellenbosch Animal Hospital**

Beef: 1

## Anaplasmosis



PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.5 (2)	2.0 (1)	1.0 (1)	2.2 (6)	2.3 (17)	2.0 (9)	2.3 (4)	2.0 (6)	2.0 (1)

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

Beef	1.5 (2)	2.0 (1)	1.0 (1)	2.2 (5)	2.3 (16)	2.0 (7)	2.3 (4)	1.3 (3)	2.0 (1)
Dairy				2.0 (1)	2.0 (1)	2.0 (2)		2.7 (3)	

### Mpumalanga

**Bethal, Bethal Dierekliniek**

Beef: 1

**Grootvlei, Grootvlei Dierekliniek**

Beef: 2

### Gauteng

**Magaliesburg, Magaliesburg; Dr Ryan Jeffrey**

Beef: 2

### Limpopo

**Mokopane, Bundu Veterinary Services**

Beef: 1

### North West

**Christiana, Christiana Dierehospitaal**

Beef: 3

**Klerksdorp, Klerksdorp Dierehospitaal**

Beef: 2

**Lichtenburg, Dr CM Kruger-Rall**

Dairy: 2

**Potchefstroom, Morvet**

Beef: 2

**Rustenburg, Bergbos Dierekliniek**

Beef: 1

**Ventersdorp, Ventersdorp Dierekliniek**

Beef: 3

### Free State

**Bloemfontein, Dr Stephan Wessels**

Beef: 2

**Bultfontein, Greylingrust Dieresprekkamer**

Beef: 2

**Clocolan, Clocolan Dierekliniek**

Beef: 2

**Ficksburg, Oosvrystaat Dier Produkte**

Beef: 3

**Frankfort, Frankfort Dierekliniek**

Beef: 2

**Hoopstad, Hoopstad Dierekliniek**

Beef: 3

**Kroonstad, Kroonstad Dierehospitaal**

Beef: 2

**Ladybrand, Ladybrand Dierekliniek**

Beef: 2

**Memel, Memel Veterinary Clinic**

Beef: 2

**Parys, Parys Dierehospitaal**

Beef: 3

**Reitz, Riemland Dierehospitaal**

Beef: 2

**Senekal, Senekal Dierekliniek**

Beef: 3, Dairy: 2

**Viljoenskroon, Viljoenskroon Dierekliniek**

Beef: 3

**Villiers, Wilgepoort Veedienste**

Beef: 2

**Vrede, Vrede Dierehospitaal**

Beef: 2

**Wesselsbron, Wesselsbron Dierekliniek**

Beef: 2

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

Beef: 2

**Dundee, Endumeni Herd health**

Beef: 2, Dairy: 2

**Howick, Howick Veterinary Clinic**

Beef: 2, Dairy: 2

**Kokstad, E.G.Veterinary Services**

Beef: 2

**Mooi River, Mooirivier Vet Clinic**

Beef: 2

**Pietermaritzburg, Veterinary House Hospital**

Beef: 1

**Underberg, Underberg Veterinary Surgery**

Beef: 3

**Eastern Cape****Adelaide, Adelaide Veterinary Clinic**

Beef: 2

Eight cases

**Alexandria, Alexandria Platteland Spreekkamer**

Beef: 2

**Aliwal North, Hertzogbrug Dierekliniek**

Beef: 3

**Stutterheim, Stutterheim Veterinary Clinic**

Beef: 2

Eight cases

**Western Cape****Darling, Tygerberg Dierehospitaal Darling**

Beef: 2, Dairy: 2

**George, George Animal Hospital**

Beef: 1

**Heidelberg (WC), Heidelberg Dierekliniek**

Dairy: 3



**Malmesbury, Dr Otto Kriek**

Dairy: 3

Stable fly transmission

**Piketberg, Piketberg Dierehospitaal**

Beef: 1

**Northern Cape****Kuruman, Kuruman Dierekliniek**

Beef: 2

**Heartwater**

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>	2.0 (3)	2.8 (5)	2.2 (5)	2.2 (5)		1.9 (15)	2.1 (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

<b>Beef</b>	2.0 (2)	2.5 (2)	2.5 (4)	2.3 (3)		1.9 (7)	2.0 (3)	3.0 (1)	
<b>Dairy</b>						1.0 (1)	2.0 (1)		
<b>Sheep</b>	2.0 (1)	3.0 (2)		2.0 (1)		2.0 (3)	2.5 (4)		
<b>Goat</b>		3.0 (1)	1.0 (1)	2.0 (1)		2.0 (4)	1.7 (3)		

**Mpumalanga****Lydenburg, Longtom Dierekliniek**

Beef: 2, Sheep: 2

**Lydenburg, Lydenburg Dieresprekkamer**

Beef: 2

**Gauteng****Hammanskraal, Themba Animal Clinic**

Beef: 3, Sheep: 3, Goat: 3

**Magaliesburg, Magaliesburg; Dr Ryan Jeffrey**

Beef: 2

**Pretoria, Anima Veterinary Consulting Rooms**

Sheep: 3

**Limpopo****Bela-Bela, Warmbad Dierekliniek**

Beef: 3

**Makhado, Blouberg Dierekliniek**

Beef: 3

Twelve cases

**Modimolle, Kranskop Dierekliniek**

Goat: 1

**Mokopane, Bundu Veterinary Services**

Beef: 2

Five cattle

**Tzaneen, ZZ2 Farm Practice**

Beef: 2

**North West****Brits, Brits Dierekliniek**

Beef: 2, Sheep: 2, Goat: 2

**Rustenburg, Bergbos Dierekliniek**

Beef: 2

**Vryburg, Molopo Dieresprekkamer**

Beef: 3
<b>Kwazulu-Natal</b>
<b>Bergville, Bergville Veterinary Clinic</b>
Beef: 2
<b>Bergville, Tugela Vet Clinic</b>
Beef: 2
<b>Camperdown, Camperdown Vet Clinic</b>
Sheep: 2
<b>Dundee, Endumeni Herd health</b>
Beef: 2
<b>Eshowe, KZN Ilembe SV</b>
Sheep: 3
<b>Estcourt, Estcourt Vet Clinic</b>
Beef: 1, Dairy: 1, Goat: 2
<b>Howick, Howick Veterinary Clinic</b>
Beef: 2, Goat: 2
<b>Mtubatuba, Mtubatuba Animal Clinic</b>
Beef: 3, Goat: 3
<b>Pongola, Pongola Animal Clinic</b>
Beef: 1, Sheep: 1, Goat: 1
<b>Eastern Cape</b>
<b>Adelaide, Adelaide Veterinary Clinic</b>
Beef: 2
Three outbreaks
Sheep: 3
Six outbreaks
<b>Alexandria, Alexandria Platteland Spreekkamer</b>
Beef: 1
<b>Alexandria, Riverview Trading Vet Consulting Services</b>
Dairy: 2, Sheep: 2, Goat: 2
<b>Bathurst, Dr Jane Pistorius</b>
Goat: 1
<b>Port Alfred, Kowie Veterinary Clinic</b>
Sheep: 2
Two cases of heartwater - Peddie
<b>Stutterheim, Stutterheim Veterinary Clinic</b>
Beef: 3
Three outbreaks in cattle
Sheep: 3
Six outbreaks
<b>Uitenhage, Uitenhage Dierehospitaal</b>
Goat: 2
<b>Western Cape</b>
<b>Swellendam, Swellendam Dierehospitaal</b>
Beef: 3
Cattle from Calitzdorp stayed over in Mosselbay. Two weeks in transport. Developed nrvous heartwater symptoms.

Sweating Sickness									<a href="#">^</a>
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (1)	2.3 (3)	1.5 (2)	2.3 (6)	2.2 (5)	1.0 (1)			1.7 (3)

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

<b>Beef</b>	2.0 (1)	2.3 (3)	1.5 (2)	2.3 (6)	2.2 (5)	1.0 (1)		1.7 (3)
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#### **Mpumalanga**

##### **Lydenburg, Longtom Dierekliniek**

Beef: 2

#### **Gauteng**

##### **Bronkhorstspuit, Kerkstraat Dierekliniek**

Beef: 2

##### **Hammanskraal, Themba Animal Clinic**

Beef: 2

##### **Magaliesburg, Magaliesburg; Dr Ryan Jeffrey**

Beef: 3

#### **Limpopo**

##### **Makhado, Blouberg Dierekliniek**

Beef: 2

Four cases

##### **Tzaneen, ZZ2 Farm Practice**

Beef: 1

#### **North West**

##### **Brits, Brits Dierekliniek**

Beef: 2

##### **Christiana, Christiana Dierehospitaal**

Beef: 3

##### **Klerksdorp, Klerksdorp Dierehospitaal**

Beef: 2

##### **Rustenburg, Bergbos Dierekliniek**

Beef: 2

##### **Stella, Stella Dierekliniek**

Beef: 3

##### **Vryburg, Vryburg Dierehospitaal**

Beef: 2

#### **Free State**

##### **Bloemfontein, Dr Stephan Wessels**

Beef: 1

##### **Hoopstad, Hoopstad Dierekliniek**

Beef: 3

##### **Parys, Parys Dierehospitaal**

Beef: 2

##### **Viljoenskroon, Viljoenskroon Dierekliniek**

Beef: 3

##### **Winburg, Winburg Dierekliniek**

Beef: 2

#### **Kwazulu-Natal**

##### **Newcastle, Ncanduvet Newcastle**

Beef: 1

#### **Northern Cape**

##### **Kathu, Kathu Dierekliniek**

Beef: 1

##### **Kuruman, Kuruman Dierekliniek**

Beef: 2

##### **Postmasburg, Postmasburg Dierekliniek**

Beef: 2

## Insect Transmittable Diseases

### Lumpy skin disease



PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	3.0 (1)	2.7 (3)	3.0 (2)	1.0 (2)	2.6 (5)	1.4 (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	3.0 (1)	2.7 (3)	3.0 (2)	1.0 (2)	2.6 (5)	1.3 (6)			
Dairy						2.0 (1)			

#### Mpumalanga

##### Lydenburg, Longtom Dierekliniek

Beef: 3

#### Gauteng

##### Bapsfontein, Bapsfontein Dierehospitaal

Beef: 2

##### Bronkhorstspuit, Kerkstraat Dierekliniek

Beef: 3

Numerous vaccinated herds had a few cases

##### Hammanskraal, Themba Animal Clinic

Beef: 3

#### Limpopo

##### Bela-Bela, Warmbad Dierekliniek

Beef: 3

##### Modimolle, Kranskop Dierekliniek

Beef: 3

#### North West

##### Christiana, Christiana Dierehospitaal

Beef: 1

##### Klerksdorp, Klerksdorp Dierehospitaal

Beef: 1

#### Free State

##### Frankfort, Frankfort Dierekliniek

Beef: 2

##### Hoopstad, Hoopstad Dierekliniek

Beef: 3

##### Reitz, Riemland Dierehospitaal

Beef: 2

##### Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 3

##### Winburg, Winburg Dierekliniek

Beef: 3

#### Kwazulu-Natal

##### Bergville, Bergville Veterinary Clinic

Beef: 2

##### Dundee, Endumeni Herd health

Beef: 1

**Howick, Howick Veterinary Clinic**

Beef: 2, Dairy: 2

**Newcastle, Ncanduvet Newcastle**

Beef: 1

**Pongola, Pongola Animal Clinic**

Beef: 1

**Underberg, Underberg Veterinary Surgery**

Beef: 1

**Three-day-stiffsickness**

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>	1.5 (4)	2.3 (4)	2.0 (3)	2.4 (5)	2.8 (22)	1.7 (7)		2.0 (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

<b>Beef</b>	1.5 (4)	2.3 (4)	2.0 (3)	2.4 (5)	2.8 (18)	1.6 (5)			2.0 (3)
<b>Dairy</b>					2.8 (4)	2.0 (2)		2.0 (1)	

**Mpumalanga****Balfour, Balfour Dierekliniek**

Beef: 1

**Grootvlei, Grootvlei Dierekliniek**

Beef: 1

**Nelspruit, Nelspruit Animal Hospital**

Beef: 2

**Standerton, Econovet**

Beef: 2

**Gauteng****Bapsfontein, Bapsfontein Dierehospitaal**

Beef: 2

**Bronkhorstspuit, Kerkstraat Dierekliniek**

Beef: 3

**Magaliesburg, Magaliesburg; Dr Ryan Jeffrey**

Beef: 3

**Pretoria, Anima Veterinary Consulting Rooms**

Beef: 1

**Limpopo****Bela-Bela, Warmbad Dierekliniek**

Beef: 3

**Makhado, Blouberg Dierekliniek**

Beef: 1

**Mokopane, Bundu Veterinary Services**

Beef: 2

Five bulls

**North West****Bloemhof, Bloemhof Dierekliniek**

Beef: 3

**Christiana, Christiana Dierehospitaal**

Beef: 3

**Klerksdorp, Klerksdorp Dierehospitaal**

Beef: 1

**Leeudoringstad, Leeudoringstad Dierekliniek**

Beef: 3

**Ventersdorp, Ventersdorp Dierekliniek**

Beef: 2

**Free State**

**Bloemfontein, Dr Stephan Wessels**

Beef: 3

**Bothaville, Bothaville Dierekliniek**

Beef: 3

**Bultfontein, Greylingrust Dieresprekkamer**

Beef: 3

**Clocolan, Clocolan Dierekliniek**

Beef: 3

**Dewetsdorp, Platkop Dierekliniek**

Beef: 3

**Ficksburg, Oosvrystaat Dier Produkte**

Beef: 3

Severe outbreaks

**Frankfort, Frankfort Dierekliniek**

Beef: 3

**Gariepdam, Gariep Dierekliniek**

Beef: 3

**Kroonstad, Dr. Theo Kotze Senekal**

Dairy: 3

**Kroonstad, Kroonstad Dierehospitaal**

Beef: 2

**Ladybrand, Ladybrand Dierekliniek**

Beef: 3, Dairy: 3

**Memel, Memel Veterinary Clinic**

Beef: 2

**Reitz, Riemland Dierehospitaal**

Beef: 3, Dairy: 2

**Senekal, Senekal Dierekliniek**

Beef: 3, Dairy: 3

**Smithfield, Freestate Smithfield SV**

Beef: 2

Mohokare: Two cases

**Viljoenskroon, Viljoenskroon Dierekliniek**

Beef: 3

**Villiers, Wilgepoort Veedienste**

Beef: 2

**Wesselsbron, Wesselsbron Dierekliniek**

Beef: 3

**Winburg, Winburg Dierekliniek**

Beef: 3

**Kwazulu-Natal**

**Bergville, Bergville Veterinary Clinic**

Beef: 2

**Bergville, Tugela Vet Clinic**

Beef: 2

**Dundee, Endumeni Herd health**

Beef: 2, Dairy: 2

**Howick, Howick Veterinary Clinic**

Dairy: 2

**Mooi River, Mooirivier Vet Clinic**

Beef: 1

**Pongola, Pongola Animal Clinic**

Beef: 1

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

Dairy: 2

**Northern Cape****Colesberg, Karoo Veterinary Hospital**

Beef: 3

**Kathu, Kathu Dierekliniek**

Beef: 1

**Kimberley, Kimberley Dierekliniek**

Beef: 2

Blue tongue									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.4 (7)	2.9 (7)	3.0 (1)	2.3 (9)	2.4 (18)	2.0 (7)	2.3 (9)	1.7 (6)	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

Beef					1.0 (1)				
Dairy							2.0 (1)		
Sheep	2.4 (7)	2.9 (7)	3.0 (1)	2.3 (9)	2.5 (17)	2.0 (7)	2.4 (8)	1.7 (6)	2.3 (3)
Goat									2.0 (1)

**Mpumalanga****Balfour, Balfour Dierekliniek**

Sheep: 2

**Bethal, Bethal Dierekliniek**

Sheep: 2

**Grootvlei, Grootvlei Dierekliniek**

Sheep: 2

**Hendrina, Mooiplaas Veterinêre Dienste**

Sheep: 3

**Lydenburg, Longtom Dierekliniek**

Sheep: 3

Extremely high occurrence

**Standerton, Econovet**

Sheep: 2

**Volksrust, Cape Cross Volksrust Dierehospitaal**

Sheep: 3

Four farms with blue tongue, 30 sheep died

**Gauteng****Bapsfontein, Bapsfontein Dierehospitaal**

Sheep: 3

**Bronkhorstspuit, Kerkstraat Dierekliniek**

Sheep: 3

Worst outbreaks in 30 years

**Krugersdorp, Veearts Netwerk**

Sheep: 2

**Magaliesburg, Magaliesburg; Dr Ryan Jeffrey**

Sheep: 3

**Muldersdrift, Muldersdrift Animal Hospital**

Sheep: 3

**Pretoria, Anima Veterinary Consulting Rooms**

Sheep: 3

Many cases

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

Sheep: 3

Sixteen sheep

**Limpopo**

**Mokopane, Bundu Veterinary Services**

Sheep: 3

**North West**

**Bloemhof, Bloemhof Dierekliniek**

Sheep: 3

**Brits, Brits Dierekliniek**

Sheep: 2

**Christiana, Christiana Dierehospitaal**

Sheep: 3

**Klerksdorp, Klerksdorp Dierehospitaal**

Sheep: 1

**Lichtenburg, Dr CM Kruger-Rall**

Sheep: 3

**Ottosdal, Lakensvlei Dierehospitaal**

Sheep: 2

**Potchefstroom, Morvet**

Sheep: 2

**Stella, Stella Dierekliniek**

Sheep: 3

**Vryburg, Vryburg Dierehospitaal**

Sheep: 2

**Free State**

**Bloemfontein, Dr Stephan Wessels**

Sheep: 3

**Bothaville, Bothaville Dierekliniek**

Sheep: 2

**Bultfontein, Greylingrust Dieresprekkamer**

Beef: 1, Sheep: 2

**Clocolan, Clocolan Dierekliniek**

Sheep: 1

**Dewetsdorp, Platkop Dierekliniek**

Sheep: 3

**Ficksburg, Oosvrystaat Dier Produkte**

Sheep: 3

Severe outbreaks

**Frankfort, Frankfort Dierekliniek**

Sheep: 3

**Kroonstad, Kroonstad Dierehospitaal**



Sheep: 3

**Ladybrand, Ladybrand Dierekliniek**

Sheep: 3

**Memel, Memel Veterinary Clinic**

Sheep: 2

**Parys, Parys Dierehospitaal**

Sheep: 2

**Reitz, Riemland Dierehospitaal**

Sheep: 2

**Senekal, Senekal Dierekliniek**

Sheep: 3

**Smithfield, Freestate Smithfield SV**

Sheep: 2

Mohakare: 5 Young sheep died

**Villiers, Wilgepoort Veedienste**

Sheep: 3

**Vrede, Vrede Dierehospitaal**

Sheep: 2

**Winburg, Winburg Dierekliniek**

Sheep: 3

**Kwazulu-Natal**

**Bergville, Tugela Vet Clinic**

Sheep: 3

**Camperdown, Camperdown Vet Clinic**

Sheep: 2

**Dundee, Endumeni Herd health**

Sheep: 3

**Estcourt, Estcourt Vet Clinic**

Sheep: 2

**Mooi River, Mooirivier Vet Clinic**

Sheep: 2

**Newcastle, Ncanduvet Newcastle**

Sheep: 1

**Underberg, Underberg Veterinary Surgery**

Sheep: 1

**Eastern Cape**

**Adelaide, Adelaide Veterinary Clinic**

Sheep: 2

**Aliwal North, Hertzogbrug Dierekliniek**

Sheep: 2

**Cradock, Cradock Veterinary Clinic**

Sheep: 3

Wide spread

**Graaff-Reinet, Graaff Reinet Veterinary Clinic**

Sheep: 2

**Humansdorp, Humansdorp Veterinary Clinic**

Sheep: 3

**Somerset East, Bosberg Veterinary Clinic**

Dairy: 2, Sheep: 2

**Steynsburg, Steynsburg Dierehospitaal**

Sheep: 3

**Stutterheim, Stutterheim Veterinary Clinic**

Sheep: 2

**Western Cape**

**Beaufort West, Beaufort West State Vet**

Sheep: 2

Areas where rain fell reported this disease

**Darling, Tygerberg Dierehospitaal Darling**

Sheep: 2

**Heidelberg (WC), Heidelberg Dierekliniek**

Sheep: 1

**Malmesbury, Bergzicht Dierehospitaal**

Sheep: 1

**Piketberg, Piketberg Dierehospitaal**

Sheep: 2

**Swellendam, Swellendam Dierehospitaal**

Sheep: 2

**Northern Cape**

**Colesberg, Karoo Veterinary Hospital**

Sheep: 2

Farmers reporting

**Kimberley, Staatsveeartse Groep NC**

Goat: 2

Upington Area

**Kuruman, Kuruman Dierekliniek**

Sheep: 2

**Upington, Upington Veeartsenykliniek**

Sheep: 3

Blue tongue in Merino's and Ile de France sheep on pastures along the river at Grootdronk

## Nagana

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**

**Mtubatuba, Mtubatuba Animal Clinic**

Beef: 2

## Venereal Diseases

### Trichomonosis

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

Beef	2.0 (1)		2.0 (1)	2.3 (3)	2.2 (5)	3.0 (1)			1.0 (1)
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**Mpumalanga****Ermelo, Môregloed Veterinêre Spreekkamer**

Beef: 2

**Limpopo****Makhado, Blouberg Dierekliniek**

Beef: 2

Two cases

**North West****Stella, Stella Dierekliniek**

Beef: 3

New farm

**Vryburg, Molopo Dieresprekkamer**

Beef: 2

**Vryburg, Vryburg Dierehospitaal**

Beef: 2

**Free State****Bothaville, Bothaville Dierekliniek**

Beef: 1

**Frankfort, Frankfort Dierekliniek**

Beef: 3

**Hoopstad, Hoopstad Dierekliniek**

Beef: 3

**Kroonstad, Kroonstad Dierehospitaal**

Beef: 2

**Winburg, Winburg Dierekliniek**

Beef: 2

**Kwazulu-Natal****Vryheid, Vryheid Privaat Veeartse**

Beef: 3

12 out of 36 bulls positive, tested by Animal Health technician

**Northern Cape****Kimberley, Kimberley Dierekliniek**

Beef: 1

Vibriosis									<a href="#">^</a>
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average				3.0 (1)	2.0 (3)	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				3.0 (1)	2.0 (3)	1.0 (2)			1.0 (1)
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**North West****Stella, Stella Dierekliniek**

Beef: 3

**Free State****Bloemfontein, Dr Stephan Wessels**

Beef: 2

**Frankfort, Frankfort Dierekliniek**

Beef: 2

**Winburg, Winburg Dierekliniek**

Beef: 2

**Kwazulu-Natal****Newcastle, Ncanduvet Newcastle**

Beef: 1

**Underberg, Underberg Veterinary Surgery**

Beef: 1

**Northern Cape****Kuruman, Kuruman Dierekliniek**

Beef: 1

**Bacterial Disease (other)****Blackquarter**

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>	1.3 (3)	3.0 (1)		1.5 (2)	1.8 (6)	1.5 (4)			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

<b>Beef</b>	1.3 (3)	3.0 (1)		1.5 (2)	1.8 (6)	1.3 (3)			1.5 (2)
<b>Dairy</b>						2.0 (1)			

**Mpumalanga****Balfour, Balfour Dierekliniek**

Beef: 1

**Grootvlei, Grootvlei Dierekliniek**

Beef: 1

**Lydenburg, Longtom Dierekliniek**

Beef: 2

**Gauteng****Hammanskraal, Themba Animal Clinic**

Beef: 3

**North West****Klerksdorp, Klerksdorp Dierehospitaal**

Beef: 1

**Rustenburg, Bergbos Dierekliniek**

Beef: 2

**Free State****Bothaville, Bothaville Dierekliniek**

Beef: 1

Not vaccinated, brought in from the Kalahari

**Kroonstad, Kroonstad Dierehospitaal**

Beef: 2

**Reitz, Riemland Dierehospitaal**

Beef: 2

**Viljoenskroon, Viljoenskroon Dierekliniek**

Beef: 1

**Vrede, Vrede Dierehospitaal**

Beef: 3

Clostridial infections

**Winburg, Winburg Dierekliniek**

Beef: 2

**Kwazulu-Natal**

**Bergville, Bergville Veterinary Clinic**

Beef: 2

**Estcourt, Estcourt Vet Clinic**

Beef: 1

**Howick, Howick Veterinary Clinic**

Dairy: 2

**Mooi River, Mooirivier Vet Clinic**

Beef: 1

**Northern Cape**

**Kathu, Kathu Dierekliniek**

Beef: 2

**Kimberley, Kimberley Dierekliniek**

Beef: 1

Botulism									<a href="#">^</a>
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)		1.0 (1)	1.5 (2)	1.0 (1)	1.0 (2)	2.0 (1)	1.0 (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 (1)	1.5 (2)	1.0 (1)	1.0 (2)	2.0 (1)	1.0 (2)	
Sheep								1.0 (1)	

**Mpumalanga**

**Bethal, Bethal Dierekliniek**

Beef: 1

**Limpopo**

**Vaalwater, Vaalwater Dieresprekkamer**

Beef: 1

**North West**

**Christiana, Christiana Dierehospitaal**

Beef: 1

**Vryburg, Vryburg Dierehospitaal**

Beef: 2

**Free State**

**Bloemfontein, Dr Stephan Wessels**

Beef: 1

**Kwazulu-Natal**

**Bergville, Bergville Veterinary Clinic**

Beef: 1

**Newcastle, Ncanduvet Newcastle**

Beef: 1

**Eastern Cape**

**Uitenhage, Uitenhage Dierehospitaal**

Beef: 2

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

Beef: 1

**Stellenbosch, Stellenbosch Animal Hospital**

Beef: 1

**Vredenburg, Vredenburg Dierehospitaal**

Sheep: 1

Chicken litter spread onto pasture

**Pulpy Kidney**

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>	2.0 (1)	2.0 (5)		2.0 (1)	2.2 (6)	1.0 (1)	1.0 (2)	1.0 (1)	1.5 (2)

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

<b>Sheep</b>	2.0 (1)	2.0 (4)		2.0 (1)	2.2 (6)	1.0 (1)	1.0 (1)	1.0 (1)	1.5 (2)
<b>Goat</b>		2.0 (1)					1.0 (1)		

**Mpumalanga****Lydenburg, Longtom Dierekliniek**

Sheep: 2

**Gauteng****Bapsfontein, Bapsfontein Dierehospitaal**

Sheep: 2

**Bronkhorstspuit, Kerkstraat Dierekliniek**

Sheep: 2

**Hammanskraal, Themba Animal Clinic**

Sheep: 2, Goat: 2

**Rayton, Rayton Dierekliniek**

Sheep: 2

**North West****Brits, Brits Dierekliniek**

Sheep: 2

**Free State****Bloemfontein, Dr Stephan Wessels**

Sheep: 3

**Hoopstad, Hoopstad Dierekliniek**

Sheep: 3

**Kroonstad, Kroonstad Dierehospitaal**

Sheep: 2

**Philippolis, Rowelsfontein veearts Spreekkamer**

Sheep: 2

**Villiers, Wilgepoort Veedienste**

Sheep: 2

**Wesselsbron, Wesselsbron Dierekliniek**

Sheep: 1

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

Sheep: 1

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

Sheep: 1, Goat: 1

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

Sheep: 1

**Northern Cape****Calvinia, Calvinia Veeartskliniek**

Sheep: 2

**Kimberley, Staatsveeartse Groep NC**

Sheep: 1

Kuruman area

**Swelled head disease**

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 (1)	1.5 (2)			

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

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

**Gauteng****Bronkhorstspuit, Kerkstraat Dierekliniek**

Beef: 2, Sheep: 2

**North West****Christiana, Christiana Dierehospitaal**

Sheep: 1

**Free State****Viljoenskroon, Viljoenskroon Dierekliniek**

Sheep: 2

**Kwazulu-Natal****Newcastle, Ncanduvet Newcastle**

Beef: 2

**Underberg, Underberg Veterinary Surgery**

Sheep: 1

**Red gut (cattle)**

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

<b>Beef</b>	2.0 (1)			1.0 (1)	1.0 (1)	1.0 (1)	2.0 (1)		
<b>Dairy</b>	2.0 (1)							2.0 (1)	

#### **Mpumalanga**

##### **Bethal, Bethal Dierekliniek**

Dairy: 2

##### **Volksrust, Cape Cross Volksrust Dierehospitaal**

Beef: 2

Clostridial infections, red gut also involved

#### **North West**

##### **Christiana, Christiana Dierehospitaal**

Beef: 1

#### **Free State**

##### **Clocolan, Clocolan Dierekliniek**

Beef: 1

#### **Kwazulu-Natal**

##### **Underberg, Underberg Veterinary Surgery**

Beef: 1

#### **Eastern Cape**

##### **Alexandria, Alexandria Platteland Spreekkamer**

Beef: 2

*Clostridium perfringens*

#### **Western Cape**

##### **Darling, Tygerberg Dierehospitaal Darling**

Dairy: 2

### **Blood gut (Sheep)**

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

<b>Sheep</b>			2.0 (1)		2.5 (2)			3.0 (1)	2.0 (1)
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#### **Limpopo**

##### **Bela-Bela, Warmbad Dierekliniek**

Sheep: 2

#### **Free State**

##### **Bloemfontein, Dr Stephan Wessels**

Sheep: 3

##### **Villiers, Wilgepoort Veedienste**

Sheep: 2

#### **Western Cape**

##### **Heidelberg (WC), Heidelberg Dierekliniek**

Sheep: 3

#### **Northern Cape**

##### **Calvinia, Calvinia Veeartskliniek**

Sheep: 2



<i>Brucella abortus</i>	<a href="#">↗</a>
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PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (1)		2.0 (2)	2.8 (5)	2.5 (4)		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	2.0 (1)		2.0 (2)	2.8 (5)	2.5 (4)				1.0 (1)
Dairy							3.0 (1)		

#### Mpumalanga

##### Bethal, Bethal Dierekliniek

Beef: 2

#### Limpopo

##### Makhado, Blouberg Dierekliniek

Beef: 2

Four cases

##### Modimolle, Kranskop Dierekliniek

Beef: 2

Two confirmed positive cases

#### North West

##### Brits, Brits Dierekliniek

Beef: 2

##### Klerksdorp, Klerksdorp Dierehospitaal

Beef: 3

##### Lichtenburg, Dr CM Kruger-Rall

Beef: 3

116 cases

##### Stella, Stella Dierekliniek

Beef: 3

New farm

##### Vryburg, Vryburg Prov Vet Laboratory

Beef: 3

A Total of 71 herds, 6082 animals tested. Naledi = 9/32 herds (9 positive herds out of 32 herds tested), Mamusa = 4/9 herds, Mafikeng = 7/13 herds, Lekwa Teemane = 0/1 herd, Greater Taung = 3/7 herds, Kagisano = 3/5 herds, Molopo = 0/3 herds, Other (Kimberley) = 0/1 herd.

#### Free State

##### Hoopstad, Hoopstad Dierekliniek

Beef: 3

##### Kroonstad, Kroonstad Dierehospitaal

Beef: 3

##### Smithfield, Freestate Smithfield SV

Beef: 2

Mohokare: Five more brucellosis positive cases on quarantined farm

##### Winburg, Winburg Dierekliniek

Beef: 2

#### Eastern Cape

##### Somerset East, Bosberg Veterinary Clinic

Dairy: 3

#### Northern Cape

##### Kimberley, Kimberley Dierekliniek

Beef: 1



<b>Beef</b>		2.3 (3)
<b>Dairy</b>		3.0 (1)
<b>Sheep</b>	2.0 (1)	

#### Free State

##### Villiers, Wilgepoort Veedienste

Sheep: 2

#### Kwazulu-Natal

##### Dundee, Endumeni Herd health

Beef: 2

##### Howick, Howick Veterinary Clinic

Beef: 3, Dairy: 3

##### Pietermaritzburg, Veterinary House Hospital

Beef: 2

<b><i>E. coli</i></b>	<a href="#">^</a>
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PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>	1.8 (4)	1.5 (2)	2.0 (1)	3.0 (2)	2.6 (14)	1.7 (3)	2.0 (3)	2.0 (3)	1.5 (2)

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

<b>Beef</b>	2.0 (1)	2.0 (1)	2.0 (1)	3.0 (1)	2.8 (5)	1.5 (2)	1.0 (1)		
<b>Dairy</b>	1.0 (1)				3.0 (2)	2.0 (1)	3.0 (1)	2.0 (1)	
<b>Sheep</b>	2.0 (2)	1.0 (1)		3.0 (1)	2.4 (7)		2.0 (1)	2.0 (1)	
<b>Goat</b>								2.0 (1)	1.5 (2)

#### Mpumalanga

##### Balfour, Balfour Dierekliniek

Dairy: 1

##### Hendrina, Mooiplaas Veterinêre Dienste

Sheep: 2

##### Standerton, Econovet

Beef: 2, Sheep: 2

#### Gauteng

##### Bapsfontein, Bapsfontein Dierehospitaal

Beef: 2

##### Rayton, Rayton Dierekliniek

Sheep: 1

#### Limpopo

##### Makhado, Blouberg Dierekliniek

Beef: 2

Four calves

#### North West

##### Klerksdorp, Klerksdorp Dierehospitaal

Beef: 3, Sheep: 3

<b>Free State</b>									
<b>Bloemfontein, Dr Stephan Wessels</b>									
Sheep: 3									
<b>Clocolan, Clocolan Dierekliniek</b>									
Beef: 2, Dairy: 3									
<b>Hoopstad, Hoopstad Dierekliniek</b>									
Beef: 3, Sheep: 3									
<b>Kroonstad, Kroonstad Dierehospitaal</b>									
Dairy: 3, Sheep: 2									
<b>Ladybrand, Ladybrand Dierekliniek</b>									
Sheep: 3									
<b>Parys, Parys Dierehospitaal</b>									
Beef: 3									
<b>Senekal, Senekal Dierekliniek</b>									
Sheep: 1									
<b>Viljoenskroon, Viljoenskroon Dierekliniek</b>									
Beef: 3, Sheep: 3									
<b>Villiers, Wilgepoort Veedienste</b>									
Sheep: 2									
<b>Winburg, Winburg Dierekliniek</b>									
Beef: 3									
<b>Kwazulu-Natal</b>									
<b>Bergville, Bergville Veterinary Clinic</b>									
Beef: 1									
<b>Howick, Howick Veterinary Clinic</b>									
Beef: 2, Dairy: 2									
<b>Eastern Cape</b>									
<b>Port Alfred, Kowie Veterinary Clinic</b>									
Beef: 1									
One case of <i>E. coli</i> diarrhoea in feedlot. Feeding composted chicken litter - Salem									
<b>Somerset East, Bosberg Veterinary Clinic</b>									
Dairy: 3, Sheep: 2									
<b>Western Cape</b>									
<b>Beaufort West, Beaufort Dierekliniek</b>									
Sheep: 2									
<b>Beaufort West, Beaufort West State Vet</b>									
Goat: 2									
Boer goats with clinical signs of encephalitis and polyarthritis									
<b>Malmesbury, Bergzicht Dierehospitaal</b>									
Dairy: 2									
<i>E. coli</i> calf diarrhoea									
<b>Northern Cape</b>									
<b>Kimberley, Kimberley Dierekliniek</b>									
Goat: 1									
Goat kids									
<b>Upington, Upington Veeartsenykliniek</b>									
Goat: 2									
Confirmed <i>E. coli</i> septicaemia cases in 3 to 4 week old Boerbok kids. Meningitis, pneumonia, pleuritis, and peritonitis. Askham area.									
<b>Enzootic Abortion</b>									<a href="#">^</a>
<b>PROVINCE</b>	<b>Mpumalanga</b>	<b>Gauteng</b>	<b>Limpopo</b>	<b>North West</b>	<b>Free State</b>	<b>Kwazulu-Natal</b>	<b>Eastern Cape</b>	<b>Western Cape</b>	<b>Northern Cape</b>

<b>Average</b>		2.0 (1)	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

<b>Sheep</b>		2.0 (1)	2.0 (1)
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#### Free State

**Wesselsbron, Wesselsbron Dierekliniek**

Sheep: 2

#### 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
<b>Average</b>		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

<b>Sheep</b>		2.0 (1)			1.8 (4)				
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#### Gauteng

**Bronkhorstspuit, Kerkstraat Dierekliniek**

Sheep: 2

#### Free State

**Reitz, Riemland Dierehospitaal**

Sheep: 2

**Senekal, Senekal Dierekliniek**

Sheep: 1

**Villiers, Wilgepoort Veedienste**

Sheep: 2

**Wesselsbron, Wesselsbron Dierekliniek**

Sheep: 2

### Intrauterine Gangrene



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

<b>Sheep</b>		2.0 (1)
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#### Northern Cape

**Kuruman, Kuruman Dierekliniek**

Sheep: 2

Bovine Dermatophilosis (Senkobo 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)	

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

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

Grootvlei, Grootvlei Dierekliniek

Beef: 1

#### Gauteng

Bronkhorstspuit, Kerkstraat Dierekliniek

Beef: 2

Magaliesburg, Magaliesburg; Dr Ryan Jeffrey

Beef: 2

#### Western Cape

George, George Animal Hospital

Beef: 1

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

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

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

#### Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 2

#### Free State

Senekal, Senekal Dierekliniek

Beef: 2, Dairy: 2, Sheep: 2

Wesselsbron, Wesselsbron Dierekliniek

Sheep: 1

#### Western Cape

Stellenbosch, Stellenbosch Animal Hospital

Beef: 1

Listeriosis									^
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)	
<b>Western Cape</b>									
<b>Stellenbosch, Stellenbosch Animal Hospital</b>									
Sheep: 1									
20/400 sheep died [adult ewes]. Symptoms: circling to one side; unilateral facial paralysis; cannot eat or drink; death. Almost 90% of sheep that showed symptoms died. Blocked rest of herd with Draxxin, and no new cases after blocking. Did not find the source of the disease or manage to culture <i>Listeria</i> . Diagnosis was made on the histopathology and symptoms caudal bacterial meningoencephalitis.									
Other									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average						3.0 (2)	3.0 (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 (2)		
Dairy						3.0 (1)			
Sheep							3.0 (2)		
Goat						3.0 (1)			
<b>Kwazulu-Natal</b>									
<b>Eshowe, KZN Ilembe SV</b>									
Dairy: 3, Goat: 3									
<b>Eastern Cape</b>									
<b>Adelaide, Adelaide Veterinary Clinic</b>									
Beef: 3									
Clostridial diseases in cattle and sheep after the the first rain after prolonged drought									
Sheep: 3									
Clostridial diseases in cattle and sheep after the the first rain after prolonged drought									
<b>Stutterheim, Stutterheim Veterinary Clinic</b>									
Beef: 3									
Clostridial disease in cattle and sheep after the first good rains after the prolonged drought									
Sheep: 3									
Pasteurellosis									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape





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

**Nelspruit, Nelspruit Animal Hospital**

**Volksrust, Cape Cross Volksrust Dierehospitaal**

Four calves died, 20 affected

Two to three month old lambs

**Makhado, Blouberg Dierkliniek**

### Seven cases

## Klerksdorp, Klerksdorp Dierhospitaal

## Free State

Sheep: 3

Sheep: 2

Sheep: 3

Sheep: 1

## Mooi River, Mo

## Eastern Cape

Goat: 3

## Graaff-Reinet, Camdeboo Veterinary Clinic

**Graaff-Reinet, Graaff Reinet Veterinary Clinic**

### Port Alfred, Kowie Veterinary Clinic

Sheep: 1

One case of coccidiosis - Shaw Park

**Steynsburg, Steynsburg Dierehospitaal**

Sheep: 3

**Western Cape**

**Beaufort West, Beaufort Dierekliniek**

Goat: 2

**Darling, Tygerberg Dierehospitaal Darling**

Dairy: 1, Sheep: 1

**George, George Animal Hospital**

Goat: 3

**Heidelberg (WC), Heidelberg Dierekliniek**

Sheep: 2

**Oudtshoorn, Oudtshoorn Dierekliniek**

Beef: 1

**Northern Cape**

**Colesberg, Karoo Veterinary Hospital**

Sheep: 3

Lambs on pivot

***Cryptosporidium***



<b>PROVINCE</b>	<b>Mpumalanga</b>	<b>Gauteng</b>	<b>Limpopo</b>	<b>North West</b>	<b>Free State</b>	<b>Kwazulu-Natal</b>	<b>Eastern Cape</b>	<b>Western Cape</b>	<b>Northern Cape</b>
<b>Average</b>	3.0 (1)	3.0 (1)		2.6 (5)	2.3 (11)	2.8 (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

<b>Beef</b>				2.5 (2)	2.3 (3)	3.0 (2)			
<b>Dairy</b>					2.0 (2)	2.5 (2)		1.5 (2)	
<b>Sheep</b>	3.0 (1)	3.0 (1)		2.7 (3)	2.3 (6)	3.0 (1)			

**Mpumalanga**

**Volksrust, Cape Cross Volksrust Dierehospitaal**

Sheep: 3

One farm, 10 lambs died, 40 affected

**Gauteng**

**Pretoria, Anima Veterinary Consulting Rooms**

Sheep: 3

**North West**

**Brits, Brits Dierekliniek**

Beef: 3, Sheep: 3

**Christiana, Christiana Dierehospitaal**

Beef: 2, Sheep: 2

**Vryburg, Vryburg Dierehospitaal**

Sheep: 3

**Free State**

**Bothaville, Bothaville Dierekliniek**

Beef: 2, Sheep: 2

**Bultfontein, Greylingrust Dieresprekkamer**

Beef: 3

**Clocolan, Clocolan Dierekliniek**

Beef: 2, Dairy: 2, Sheep: 3

**Kroonstad, Kroonstad Dierehospitaal**

Dairy: 2, Sheep: 2

**Parys, Parys Dierehospitaal**

Sheep: 3

**Villiers, Wilgepoort Veedienste**

Sheep: 2

**Vrede, Saulshoek Dierepraktyk**

Sheep: 2

**Kwazulu-Natal**

**Estcourt, Estcourt Vet Clinic**

Dairy: 2

**Howick, Howick Veterinary Clinic**

Beef: 3, Dairy: 3, Sheep: 3

**Underberg, Underberg Veterinary Surgery**

Beef: 3

Major calf issue

**Western Cape**

**Malmesbury, Bergzicht Dierehospitaal**

Dairy: 2

**Stellenbosch, Stellenbosch Animal Hospital**

Dairy: 1

Calves

**Fungal diseases**

**Ringworm**

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

Beef		1.0 (1)	1.5 (2)	3.0 (1)	2.0 (1)	1.7 (3)		1.0 (1)	2.0 (1)
Dairy						2.0 (1)	2.0 (1)		
Sheep		2.0 (2)							
Goat		2.0 (1)							

**Gauteng**

**Hammanskraal, Themba Animal Clinic**

Beef: 1, Sheep: 2, Goat: 2

**Pretoria, Anima Veterinary Consulting Rooms**

Sheep: 2

**Limpopo**

**Makhado, Blouberg Dierekliniek**

Beef: 2

Two cases

**Tzaneen, ZZ2 Farm Practice**

Beef: 1

#### North West

**Vryburg, Vryburg Dierehospitaal**

Beef: 3

#### Free State

**Ladybrand, Ladybrand Dierekliniek**

Beef: 2

#### Kwazulu-Natal

**Howick, Howick Veterinary Clinic**

Beef: 2, Dairy: 2

**Mooi River, Mooirivier Vet Clinic**

Beef: 2

**Underberg, Underberg Veterinary Surgery**

Beef: 1

#### Eastern Cape

**Somerset East, Bosberg Veterinary Clinic**

Dairy: 2

#### Western Cape

**Stellenbosch, Stellenbosch Animal Hospital**

Beef: 1

#### Northern Cape

**Kuruman, Kuruman Dierekliniek**

Beef: 2

### Viral Diseases (other)

#### BMC (snotsiekte)



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

**Standerton, Econovet**

Beef: 1

**Volksrust, Cape Cross Volksrust Dierehospitaal**

Beef: 1

Laboratory confirmed

#### Free State

**Bloemfontein, Dr Stephan Wessels**

Beef: 1

**Frankfort, Frankfort Dierekliniek**

Beef: 2

**Kroonstad, Kroonstad Dierehospitaal**

Beef: 2

#### Kwazulu-Natal

**Vryheid, Vryheid Privaat Veeartse**

Beef: 2

Rabies										<a href="#">^</a>
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										
Kokstad, E.G.Veterinary Services										
Beef: 1										
Rabid cow										
BVD (Bovine viral diarrhoea)										<a href="#">^</a>
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)			2.0 (1)					
Gauteng										
Hammanskraal, Themba Animal Clinic										
Beef: 1										
Free State										
Memel, Memel Veterinary Clinic										
Beef: 2										
Enzootic Bovine Leucosis (EBL)										<a href="#">^</a>
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)		1.7 (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)	2.0 (1)					
Dairy						1.0 (1)		1.7 (3)		
North West										
Vryburg, Vryburg Dierehospitaal										
Beef: 3										

<b>Free State</b>
<b>Winburg, Winburg Dierekliniek</b>
Beef: 2
<b>Kwazulu-Natal</b>
<b>Underberg, Underberg Veterinary Surgery</b>
Dairy: 1
<b>Western Cape</b>
<b>Darling, Tygerberg Dierehospitaal Darling</b>
Dairy: 1
<b>Malmesbury, Dr Otto Kriek</b>
Dairy: 3
80% of flocks positive
<b>Stellenbosch, Stellenbosch Animal Hospital</b>
Dairy: 1

Jaagsiekte									^
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

<b>Sheep</b>						1.0 (1)			
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<b>Kwazulu-Natal</b>
<b>Dundee, Endumeni Herd health</b>
Sheep: 1

Orf									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (1)	2.0 (4)	2.5 (2)	2.3 (4)	2.3 (7)	1.5 (2)	2.5 (2)	1.5 (4)	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

<b>Sheep</b>	2.0 (1)	2.0 (2)	2.5 (2)	2.5 (2)	2.3 (6)	2.0 (1)	3.0 (1)	1.7 (3)	3.0 (1)
<b>Goat</b>		2.0 (2)		2.0 (2)	2.0 (1)	1.0 (1)	2.0 (1)	1.0 (1)	3.0 (1)

<b>Mpumalanga</b>
<b>Lydenburg, Longtom Dierekliniek</b>
Sheep: 2
<b>Gauteng</b>
<b>Bronkhorstspuit, Kerkstraat Dierekliniek</b>
Goat: 2
<b>Hammanskraal, Themba Animal Clinic</b>
Sheep: 2, Goat: 2
<b>Pretoria, Anima Veterinary Consulting Rooms</b>

Sheep: 2

### **Limpopo**

**Makhado, Blouberg Dierekliniek**

Sheep: 3

Ten cases

**Modimolle, Kranskop Dierekliniek**

Sheep: 2

### **North West**

**Christiana, Christiana Dierehospitaal**

Sheep: 2

**Klerksdorp, Klerksdorp Dierehospitaal**

Goat: 2

**Ventersdorp, Ventersdorp Dierekliniek**

Goat: 2

**Vryburg, Vryburg Dierehospitaal**

Sheep: 3

### **Free State**

**Bloemfontein, Dr Stephan Wessels**

Sheep: 1

**Hoopstad, Hoopstad Dierekliniek**

Sheep: 3

**Parys, Parys Dierehospitaal**

Sheep: 3

**Villiers, Wilgepoort Veedienste**

Sheep: 3

**Wesselsbron, Wesselsbron Dierekliniek**

Sheep: 2

**Winburg, Winburg Dierekliniek**

Sheep: 2, Goat: 2

### **Kwazulu-Natal**

**Pongola, Pongola Animal Clinic**

Goat: 1

**Underberg, Underberg Veterinary Surgery**

Sheep: 2

### **Eastern Cape**

**Graaff-Reinet, Camdeboo Veterinary Clinic**

Goat: 2

**Steynsburg, Steynsburg Dierehospitaal**

Sheep: 3

### **Western Cape**

**Beaufort West, Beaufort Dierekliniek**

Goat: 1

**Beaufort West, Beaufort West State Vet**

Sheep: 1

Manufactured a vaccine

**George, George Animal Hospital**

Sheep: 3

**Oudtshoorn, Oudtshoorn Dierekliniek**

Sheep: 1

### **Northern Cape**

**Kuruman, Kuruman Dierekliniek**

Sheep: 3

**Postmasburg, Postmasburg Dierekliniek**

Goat: 3



<b>Mpumalanga</b>
<b>Lydenburg, Longtom Dierekliniek</b>
Beef: 3
<b>Gauteng</b>
<b>Magaliesburg, Magaliesburg; Dr Ryan Jeffrey</b>
Beef: 3
<b>Limpopo</b>
<b>Makhado, Blouberg Dierekliniek</b>
Beef: 3
Three cases
<b>North West</b>
<b>Brits, Brits Dierekliniek</b>
Beef: 2
<b>Vryburg, Vryburg Dierehospitaal</b>
Beef: 3
<b>Free State</b>
<b>Clocolan, Clocolan Dierekliniek</b>
Beef: 2
<b>Winburg, Winburg Dierekliniek</b>
Beef: 3
<b>Kwazulu-Natal</b>
<b>Howick, Howick Veterinary Clinic</b>
Beef: 2, Dairy: 2
<b>Mtubatuba, Mtubatuba Animal Clinic</b>
Beef: 1
<b>Newcastle, Ncanduvet Newcastle</b>
Beef: 1
<b>Underberg, Underberg Veterinary Surgery</b>
Beef: 3
<b>Eastern Cape</b>
<b>Humansdorp, Humansdorp Veterinary Clinic</b>
Beef: 1
<b>Western Cape</b>
<b>George, George Animal Hospital</b>
Beef: 2
<b>Stellenbosch, Stellenbosch Animal Hospital</b>
Beef: 1
<b>Northern Cape</b>
<b>Kuruman, Kuruman Dierekliniek</b>

Beef: 3

## Rota virus ^

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

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

Beef	2.0 (1)
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**Free State**

## Clocolan, Clocolan Dierekliniek

Beef: 2

Corona Virus	^
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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

## Clocolan, Clocolan Dierekliniek

Beef: 2

## Poisonings (Plant) and Fungal

## Cardiac glycoside poisoning

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

<b>Dairy</b>	2.0 (1)
<b>Sheep</b>	2.0 (1)
<b>Goat</b>	1.0 (1)

## Eastern Cape

**Somerset East, Bosberg Veterinary Clinic**

Dairy: 2

#### Western Cape

**Beaufort West, Beaufort Dierekliniek**

Goat: 1

#### Northern Cape

**Calvinia, Calvinia Veeartskliniek**

Sheep: 2

### Cestrum



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)				
Goat						1.0 (1)			

#### Gauteng

**Bronkhorstspuit, Kerkstraat Dierekliniek**

Beef: 2

#### Free State

**Ladybrand, Ladybrand Dierekliniek**

Beef: 1

#### Kwazulu-Natal

**Eshowe, KZN Ilembe SV**

Goat: 1

### Cynanchum poisoning



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

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

Sheep								2.0 (1)	
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#### Western Cape

**Heidelberg (WC), Heidelberg Dierekliniek**

Sheep: 2

### Facial eczema



PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
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<b>Average</b>		3.0 (1)	1.8 (4)		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

<b>Beef</b>		3.0 (1)	3.0 (1)		
<b>Sheep</b>			1.3 (3)		2.0 (1)

#### North West

##### Vryburg, Vryburg Dierehospitaal

Beef: 3

#### Free State

##### Ficksburg, Oosvrystaat Diere Produkte

Beef: 3

Sweet grass toxicity in old wheat fields

##### Reitz, Riemland Dierehospitaal

Sheep: 1

##### Villiers, Wilgepoort Veedienste

Sheep: 2

##### Wesselsbron, Wesselsbron Direkliniek

Sheep: 1

#### Western Cape

##### Heidelberg (WC), Heidelberg Direkliniek

Sheep: 2

Geeldikkop/Dikoor									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>				2.5 (2)	1.5 (2)		2.0 (3)	2.5 (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

<b>Sheep</b>				2.5 (2)	1.5 (2)		2.0 (3)	2.5 (2)	3.0 (2)
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#### North West

##### Leeudoringstad, Leeudoringstad Direkliniek

Sheep: 3

##### Vryburg, Vryburg Dierehospitaal

Sheep: 2

#### Free State

##### Clocolan, Clocolan Direkliniek

Sheep: 2

##### Kroonstad, Kroonstad Dierehospitaal

Sheep: 1

#### Eastern Cape

##### Cradock, Cradock Veterinary Clinic

Sheep: 3

After drought

**Somerset East, Bosberg Veterinary Clinic**

Sheep: 1

**Uitenhage, Uitenhage Dierehospitaal**

Sheep: 2

**Western Cape**

**Beaufort West, Beaufort Dierekliniek**

Sheep: 3

Good rains in certain areas - many duuwweltjies

**Beaufort West, Beaufort West State Vet**

Sheep: 2

Numerous cases reported. Many duuwweltjies in areas receiving rain

**Northern Cape**

**Postmasburg, Postmasburg Dierekliniek**

Sheep: 3

**Upington, Upington Veeartsenykliniek**

Sheep: 3

In Dorpers and Meatmasters, South and South East o Upington

**Gousiekte**



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

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

**Sheep** 2.0 (1)

**Gauteng**

**Pretoria, Anima Veterinary Consulting Rooms**

Sheep: 2

**Lantana**



PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average		2.0 (3)	1.5 (2)			1.8 (5)			

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

**Beef** 2.0 (3) 1.5 (2) 1.8 (5)

**Gauteng**

**Hammanskraal, Themba Animal Clinic**

Beef: 2

**Krugersdorp, Veearts Netwerk**

Beef: 2

**Rayton, Rayton Dierekliniek**

Beef: 2

**Limpopo**

**Makhado, Blouberg Dierekliniek**

Beef: 2

Three cases

**Tzaneen, ZZ2 Farm Practice**

Beef: 1

**Kwazulu-Natal**

**Bergville, Bergville Veterinary Clinic**

Beef: 1

**Dundee, Endumeni Herd health**

Beef: 2

**Newcastle, Ncanduvet Newcastle**

Beef: 1

**Pietermaritzburg, Veterinary House Hospital**

Beef: 2

**Vryheid, Vryheid Privaat Veeartse**

Beef: 3

**Nitrate poisoning**



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

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

Dairy							3.0 (1)		
Sheep		2.0 (1)							

**Gauteng**

**Pretoria, Anima Veterinary Consulting Rooms**

Sheep: 2

**Eastern Cape**

**Somerset East, Bosberg Veterinary Clinic**

Dairy: 3

*Amaranthus* in pasture

**Prussic acid poisoning**



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

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

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

**Free State**

**Clocolan, Clocolan Dierekliniek**

Beef: 2

**Villiers, Wilgepoort Veedienste**

Sheep: 2

#### Eastern Cape

**Steynsburg, Steynsburg Dierehospitaal**

Beef: 2

### Seneciosis



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

1.3 (3)

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

#### Beef

1.5 (2)

#### Sheep

1.0 (1)

#### Eastern Cape

**Queenstown, Queenstown Veterinary clinic**

Beef: 1, Sheep: 1

**Steynsburg, Steynsburg Dierehospitaal**

Beef: 2

### Tulip Poisoning



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

2.0 (1)

2.0 (1)

1.0 (1)

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

#### Beef

2.0 (1)

1.0 (1)

#### Dairy

2.0 (1)

#### North West

**Klerksdorp, Klerksdorp Dierehospitaal**

Beef: 2

#### Eastern Cape

**Somerset East, Bosberg Veterinary Clinic**

Dairy: 2

#### Northern Cape

**Kimberley, Kimberley Dierekliniek**

Beef: 1

### Vermeersiekte ( *Gaigeria* spp.)



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)								
Kwazulu-Natal									
Kokstad, E.G.Veterinary Services									
Sheep: 1									
First time seen in the area									
Mycotoxycosis									
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									
Dairy						2.0 (2)			
Kwazulu-Natal									
Dundee, Endumeni Herd health									
Dairy: 1									
Howick, Howick Veterinary Clinic									
Dairy: 3									
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)					
North West									
Vryburg, Molopo Dierespreekkamer									
Beef: 2									
Secondary photosensitivity in 6 cows									
Poisonings									
Water contamination									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average								1.0 (1)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Dairy								1.0 (1)	
Western Cape									
Darling, Tygerberg Dierehospitaal Darling									



Dairy: 1

## Urea Poisoning [^](#)

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

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

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

<b>Gauteng</b>
<b>Bronkhorstspuit, Kerkstraat Dierekliniek</b>
Sheep: 2
<b>Free State</b>
<b>Bloemfontein, Dr Stephan Wessels</b>
Beef: 1
<b>Ladybrand, Ladybrand Dierekliniek</b>
Sheep: 2

## Snake Bite [^](#)

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)				1.5 (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	1.0 (1)				1.7 (3)				2.0 (1)
Sheep					1.0 (1)				

<b>Mpumalanga</b>
<b>Lydenburg, Longtom Dierekliniek</b>
Beef: 1
<b>Free State</b>
<b>Ficksburg, Oosvrystaat Diere Produkte</b>
Beef: 1
<b>Frankfort, Frankfort Dierekliniek</b>
Beef: 2
<b>Hoopstad, Hoopstad Dierekliniek</b>
Beef: 2
<b>Villiers, Wilgepoort Veedienste</b>
Sheep: 1

**Northern Cape****Kuruman, Kuruman Dierekliniek**

Beef: 2

**Copper Poisoning**

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

**Sheep**

1.0 (1)

**Goat**

1.0 (2)

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

Sheep: 1

**Western Cape****Beaufort West, Beaufort Dierekliniek**

Goat: 1

**Beaufort West, Beaufort West State Vet**

Goat: 1

Angora ewes that were bought

**Chemical products**

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

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

**Beef**

3.0 (2)

**Eastern Cape****Adelaide, Adelaide Veterinary Clinic**

Beef: 3

Arsenic poisoning. MSMA poisoning

**Stutterheim, Stutterheim Veterinary Clinic**

Beef: 3

Arsenic poisoning in cattle - MSMA

**Macro Nutritional Problems****Energy deficiency**

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
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<b>Average</b>		2.0 (1)	3.0 (2)	2.8 (5)		3.0 (3)
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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

<b>Beef</b>			3.0 (1)	2.5 (2)		3.0 (1)
<b>Dairy</b>				3.0 (1)		
<b>Sheep</b>		2.0 (1)	3.0 (1)	3.0 (1)		3.0 (1)
<b>Goat</b>				3.0 (1)		3.0 (1)

#### Free State

##### Villiers, Wilgepoort Veedienste

Sheep: 2

#### Kwazulu-Natal

##### Underberg, Underberg Veterinary Surgery

Beef: 3, Sheep: 3

#### Eastern Cape

##### Humansdorp, Humansdorp Veterinary Clinic

Beef: 2

##### Steynsburg, Steynsburg Dierehospitaal

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

#### Northern Cape

##### Postmasburg, Postmasburg Dierekliniek

Beef: 3, Sheep: 3, Goat: 3

### Protein deficiency [^](#)

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

<b>Beef</b>						2.0 (1)	2.5 (2)		
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#### Kwazulu-Natal

##### Underberg, Underberg Veterinary Surgery

Beef: 2

#### Eastern Cape

##### Alexandria, Alexandria Platteland Spreekkamer

Beef: 3

##### Humansdorp, Humansdorp Veterinary Clinic

Beef: 2

### Phosphate deficiency [^](#)

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
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<b>Average</b>		1.0 (1)	3.0 (1)	2.5 (2)
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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

<b>Beef</b>		1.0 (1)	3.0 (1)	2.5 (2)
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#### Free State

**Wesselsbron, Wesselsbron Dierekliniek**

Beef: 1

#### Eastern Cape

**Steynsburg, Steynsburg Dierehospitaal**

Beef: 3

#### Northern Cape

**Kuruman, Kuruman Dierekliniek**

Beef: 3

**Postmasburg, Postmasburg Dierekliniek**

Beef: 2

<b>Calcium deficiency</b>									<a href="#">^</a>
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PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>					2.0 (2)	2.5 (2)		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

<b>Beef</b>						2.0 (1)			3.0 (1)
<b>Dairy</b>						3.0 (1)		3.0 (1)	
<b>Sheep</b>					2.0 (2)				1.0 (1)

#### Free State

**Ladybrand, Ladybrand Dierekliniek**

Sheep: 2

**Villiers, Wilgepoort Veedienste**

Sheep: 2

#### Kwazulu-Natal

**Howick, Howick Veterinary Clinic**

Dairy: 3

**Mooi River, Mooirivier Vet Clinic**

Beef: 2

#### Western Cape

**Malmesbury, Dr Otto Kriek**

Dairy: 3

Magnesium/calcium deficiency - quick change in diet.

#### Northern Cape

**Kimberley, Kimberley Dierekliniek**

Sheep: 1

**Postmasburg, Postmasburg Dierekliniek**

Beef: 3

## Micro Nutritional Problems

### Copper 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)			
Sheep								1.0 (1)	

#### Kwazulu-Natal

Underberg, Underberg Veterinary Surgery

Beef: 3

#### Western Cape

Stellenbosch, Stellenbosch Animal Hospital

Sheep: 1

### Zinc deficiency

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						3.0 (1)			
Goat		1.0 (1)							

#### Gauteng

Rayton, Rayton Dierekliniek

Goat: 1

#### Kwazulu-Natal

Underberg, Underberg Veterinary Surgery

Beef: 3

### Selenium deficiency

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average		1.5 (2)		2.0 (1)	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						3.0 (1)	1.0 (1)		
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<b>Sheep</b>	2.0 (1)	2.0 (1)	1.0 (1)
<b>Goat</b>	1.0 (1)		

#### Gauteng

**Pretoria, Anima Veterinary Consulting Rooms**

Sheep: 2

**Rayton, Rayton Dierekliniek**

Goat: 1

#### North West

**Christiana, Christiana Dierehospitaal**

Sheep: 2

#### Free State

**Wesselsbron, Wesselsbron Dierekliniek**

Sheep: 1

#### Kwazulu-Natal

**Underberg, Underberg Veterinary Surgery**

Beef: 3

#### Eastern Cape

**Humansdorp, Humansdorp Veterinary Clinic**

Beef: 1

### Magnesium deficiency [^](#)

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

<b>Sheep</b>	3.0 (1)
<b>Goat</b>	3.0 (1)

#### Eastern Cape

**Steynsburg, Steynsburg Dierehospitaal**

Sheep: 3, Goat: 3

### Manganese deficiency [^](#)

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

<b>Dairy</b>	2.5 (2)
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#### Western Cape

**Malmesbury, Bergzicht Dierehospitaal**

Dairy: 2

**Malmesbury, Dr Otto Kriek**

Dairy: 3

Nervous symptoms - quick change in diet

## Iodine deficiency

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

## Beef

2.0 (1)

## Kwazulu-Natal

## Underberg, Underberg Veterinary Surgery

Beef: 2

## Vitamin A deficiency

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 (2)

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

## Beef

### 3.0 (1)

2.0 (1)

## Sheep

### 3.0 (1)

2.0 (1)

## North West

## Christiana, Christiana Dierhospitaal

Beef: 3, Sheep: 3

## Northern Cape

## Kuruman, Kuruman Dierkliniek

Beef: 2, Sheep: 2

## Vitamin B1 deficiency

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

3.0 (1)

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

## Sheep

3.0 (1)

## Western Cape

### Beaufort West, Beaufort Dierkliniek

Sheep: 3

Huge problem as a result of vitamin B 1 deficiency in lambs in feedlots - Vitamin B1 treatment solved the problem

## Multi-factorial Disease Conditions

## Abortions

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average		2.0 (2)	1.0 (1)	3.0 (3)	2.0 (8)	2.1 (7)	3.0 (1)	1.7 (3)	2.0 (2)

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

Beef			1.0 (1)	3.0 (2)	2.0 (4)	2.3 (4)			2.0 (1)
Dairy						2.5 (2)	3.0 (1)	2.0 (2)	
Sheep		2.0 (2)		3.0 (1)	2.0 (4)			1.0 (1)	2.0 (1)
Goat						1.0 (1)			

#### Gauteng

##### Bapsfontein, Bapsfontein Dierehospitaal

Sheep: 2

##### Pretoria, Anima Veterinary Consulting Rooms

Sheep: 2

#### Limpopo

##### Modimolle, Kranskop Dierekliniek

Beef: 1

One cow aborted at 7 months, awaiting brucellosis lab results.

#### North West

##### Christiana, Christiana Dierehospitaal

Beef: 3, Sheep: 3

##### Stella, Stella Dierekliniek

Beef: 3

#### Free State

##### Bloemfontein, Dr Stephan Wessels

Beef: 2

##### Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

##### Senekal, Senekal Dierekliniek

Sheep: 1

##### Villiers, Wilgepoort Veedienste

Beef: 2, Sheep: 2

##### Wesselsbron, Wesselsbron Dierekliniek

Beef: 1, Sheep: 2

#### Kwazulu-Natal

##### Bergville, Bergville Veterinary Clinic

Beef: 2

##### Camperdown, Camperdown Vet Clinic

Goat: 1

##### Dundee, Endumeni Herd health

Dairy: 2

##### Howick, Howick Veterinary Clinic

Beef: 2, Dairy: 3

##### Mooi River, Mooirivier Vet Clinic

Beef: 2

##### Underberg, Underberg Veterinary Surgery

Beef: 3





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

**Mpumalanga**

## Dairy: 1

Beef: 1

**Bapsfontein, Bapsfontein Dierhospitaal**

### Hammanskraal, Themba Animal Clinic

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

Three cases

Beef: 2, Sheep: 2

## Bela-Bela. Warmbad Dierekliniek

Bont-legged ticks	
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**Christiana. Christiana Dierehospitaal**

## Free State

## Beef: 2

**Bultfontein Greylingrust Dierespreekkamer**

**Hoopstad Hoopstad Dierkliniek**

**Kroonstad Kroonstad Dierehospitaal**

**Wesselsbron Wesselsbron Dierkliniek**

**Kwazulu-Natal**

Howick, Howick Veterinary Clinic  
Boof: 3, Dainy: 3

Mool River, MoolRiver Vet Clinic

Beef: 2

**Pongola, Pongola Animal Clinic**

Beef: 1, Goat: 1

**Underberg, Underberg Veterinary Surgery**

Beef: 3, Sheep: 3

**Vryheid, Vryheid Privaat Veeartse**

Beef: 3

**Eastern Cape**

**Graaff-Reinet, Graaff Reinet Veterinary Clinic**

Goat: 2

**Western Cape**

**Beaufort West, Beaufort Dierekliniek**

Sheep: 1

**Ceres, Ceres Veterinary Hospital**

Goat: 2

**Malmesbury, Bergzicht Dierehospitaal**

Dairy: 2

**Oudtshoorn, Ostrimed**

Sheep: 1

**Stellenbosch, Stellenbosch Animal Hospital**

Goat: 1

## Abscesses in general



PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	3.0 (2)	1.7 (3)		2.0 (1)	1.8 (5)	2.0 (2)	1.0 (1)	1.0 (1)	2.0 (1)

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

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

**Mpumalanga**

**Lydenburg, Longtom Dierekliniek**

Beef: 3

Brown ear ticks, heavy infestation

Sheep: 3

**Gauteng**

**Hammanskraal, Themba Animal Clinic**

Beef: 2, Sheep: 1, Goat: 2

**North West**

**Rustenburg, Bergbos Dierekliniek**

Beef: 2

**Free State**

**Ficksburg, Oosvrystaat Diere Produkte**

Dairy: 1									
<b>Hoopstad, Hoopstad Dierekliniek</b>									
Beef: 3, Sheep: 3									
<b>Ladybrand, Ladybrand Dierekliniek</b>									
Beef: 1									
<b>Senekal, Senekal Dierekliniek</b>									
Beef: 1									
<b>Kwazulu-Natal</b>									
<b>Mtubatuba, Mtubatuba Animal Clinic</b>									
Beef: 1									
<b>Pietermaritzburg, Veterinary House Hospital</b>									
Beef: 3									
<b>Eastern Cape</b>									
<b>Graaff-Reinet, Camdeboo Veterinary Clinic</b>									
Goat: 1									
<b>Western Cape</b>									
<b>George, George Animal Hospital</b>									
Dairy: 1									
<b>Northern Cape</b>									
<b>Kuruman, Kuruman Dierekliniek</b>									
Sheep: 2									
<b>Bladder stones</b>									<a href="#">^</a>
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>					1.5 (2)	2.0 (1)	1.0 (1)		
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
<b>Beef</b>						2.0 (1)			
<b>Sheep</b>					1.5 (2)		1.0 (1)		
<b>Free State</b>									
<b>Reitz, Riemland Dierehospitaal</b>									
Sheep: 1									
<b>Villiers, Wilgepoort Veedienste</b>									
Sheep: 2									
<b>Kwazulu-Natal</b>									
<b>Howick, Howick Veterinary Clinic</b>									
Beef: 2									
<b>Eastern Cape</b>									
<b>Uitenhage, Uitenhage Dierehospitaal</b>									
Sheep: 1									
<b>Blindness</b>									<a href="#">^</a>
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape

<b>Average</b>	2.0 (1)	2.3 (3)	2.5 (2)	2.0 (2)
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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

<b>Beef</b>		3.0 (1)		
<b>Dairy</b>			2.0 (1)	
<b>Sheep</b>		2.0 (2)	3.0 (1)	2.0 (1)
<b>Goat</b>	2.0 (1)			2.0 (1)

#### Gauteng

**Hammanskraal, Themba Animal Clinic**

Goat: 2

#### Free State

**Hoopstad, Hoopstad Dierekliniek**

Beef: 3, Sheep: 3

**Philippolis, Rowelsfontein veearts Spreekkamer**

Sheep: 1

#### Western Cape

**Heidelberg (WC), Heidelberg Dierekliniek**

Dairy: 2, Sheep: 3

#### Northern Cape

**Kuruman, Kuruman Dierekliniek**

Sheep: 2, Goat: 2

### Bloat [^](#)

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>	1.0 (1)	2.0 (1)			1.0 (4)	2.0 (2)		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

<b>Beef</b>	1.0 (1)				1.0 (2)	2.0 (1)			
<b>Dairy</b>						2.0 (1)		1.0 (1)	
<b>Sheep</b>					1.0 (2)				
<b>Goat</b>		2.0 (1)						1.0 (1)	

#### Mpumalanga

**Grootvlei, Grootvlei Dierekliniek**

Beef: 1

#### Gauteng

**Hammanskraal, Themba Animal Clinic**

Goat: 2

#### Free State

**Clocolan, Clocolan Dierekliniek**

Beef: 1

**Ladybrand, Ladybrand Dierekliniek**

Sheep: 1

**Senekal, Senekal Dierekliniek**

Beef: 1

**Villiers, Wilgepoort Veedienste**

Sheep: 1

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

Beef: 2

**Howick, Howick Veterinary Clinic**

Dairy: 2

**Western Cape****Malmesbury, Invitrotech**

Dairy: 1

**Stellenbosch, Stellenbosch Animal Hospital**

Goat: 1

**Blood gut (sheep and goat)**

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****Villiers, Wilgepoort Veedienste**

Sheep: 2

**Blue udder**

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.5 (2)			1.0 (1)	1.6 (8)	1.0 (1)	3.0 (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

Dairy					1.0 (1)	1.0 (1)			
Sheep	1.5 (2)				1.7 (7)		3.0 (1)	2.3 (3)	
Goat				1.0 (1)					

**Mpumalanga**

**Grootvlei, Grootvlei Dierekliniek**

Sheep: 1

**Lydenburg, Longtom Dierekliniek**

Sheep: 2

**North West****Klerksdorp, Klerksdorp Dierehospitaal**

Goat: 1

**Free State****Bultfontein, Greylingrust Dierespreekkamer**

Sheep: 2

**Kroonstad, Kroonstad Dierehospitaal**

Sheep: 2

**Philippolis, Rowelsfontein veearts Spreekkamer**

Sheep: 1

**Reitz, Riemland Dierehospitaal**

Sheep: 2

**Senekal, Senekal Dierekliniek**

Dairy: 1

**Villiers, Wilgepoort Veedienste**

Sheep: 2

**Vrede, Saulshoek Dierpraktijk**

Sheep: 2

**Wesselsbron, Wesselsbron Dierekliniek**

Sheep: 1

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

Dairy: 1

**Eastern Cape****Cradock, Cradock Veterinary Clinic**

Sheep: 3

On pastures under irrigation

**Western Cape****Ceres, Ceres Veterinary Hospital**

Sheep: 2

**Heidelberg (WC), Heidelberg Dierekliniek**

Sheep: 3

**Piketberg, Piketberg Dierehospitaal**

Sheep: 2

**Diarrhoea**

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>	1.8 (4)		1.0 (2)	2.8 (8)	2.5 (21)	2.8 (8)	1.8 (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									
<b>Beef</b>	1.5 (2)		1.0 (2)	2.8 (5)	2.6 (7)	2.6 (5)	1.5 (2)		
<b>Dairy</b>					2.5 (2)	3.0 (1)		2.0 (1)	

<b>Sheep</b>	2.0 (2)	2.7 (3)	2.4 (12)	3.0 (2)	2.0 (1)
<b>Goat</b>					2.0 (1)
<b>Mpumalanga</b>					
<b>Balfour, Balfour Dierekliniek</b>					
Beef: 2, Sheep: 2					
<b>Grootvlei, Grootvlei Dierekliniek</b>					
Beef: 1					
<b>Lydenburg, Longtom Dierekliniek</b>					
Sheep: 2					
<b>Limpopo</b>					
<b>Bela Bela, Artemis Veterinary Services</b>					
Beef: 1					
Bottle fed calf with diarrhoea, recovered after treatment					
<b>Tzaneen, ZZ2 Farm Practice</b>					
Beef: 1					
<b>North West</b>					
<b>Christiana, Christiana Dierehospitaal</b>					
Beef: 3, Sheep: 3					
<b>Klerksdorp, Klerksdorp Dierehospitaal</b>					
Beef: 2, Sheep: 2					
<b>Lichtenburg, Dr CM Kruger-Rall</b>					
Beef: 3					
Diarrhoea in calves					
<b>Stella, Stella Dierekliniek</b>					
Beef: 3, Sheep: 3					
<b>Vryburg, Vryburg Dierehospitaal</b>					
Beef: 3					
<b>Free State</b>					
<b>Bultfontein, Greylingrust Dieresprekkamer</b>					
Beef: 3, Sheep: 2					
<b>Clocolan, Clocolan Dierekliniek</b>					
Beef: 2, Dairy: 2, Sheep: 3					
<b>Hoopstad, Hoopstad Dierekliniek</b>					
Beef: 3, Sheep: 3					
<b>Kroonstad, Kroonstad Dierehospitaal</b>					
Beef: 3, Dairy: 3, Sheep: 2					
<b>Ladybrand, Ladybrand Dierekliniek</b>					
Sheep: 3					
<b>Parys, Parys Dierehospitaal</b>					
Sheep: 3					
<b>Reitz, Riemland Dierehospitaal</b>					
Beef: 3, Sheep: 2					
<b>Senekal, Senekal Dierekliniek</b>					
Beef: 1, Sheep: 1					
<b>Viljoenskroon, Viljoenskroon Dierekliniek</b>					
Beef: 3, Sheep: 3					
<b>Villiers, Wilgepoort Veedienste</b>					
Sheep: 2					
<b>Vrede, Vrede Dierehospitaal</b>					
Sheep: 3					
Diarrhoea in lambs					
<b>Wesselsbron, Wesselsbron Dierekliniek</b>					
Sheep: 2					



Lammers

#### Kwazulu-Natal

**Bergville, Bergville Veterinary Clinic**

Beef: 2

**Dundee, Endumeni Herd health**

Beef: 2

**Howick, Howick Veterinary Clinic**

Beef: 3, Dairy: 3, Sheep: 3

**Mooi River, Mooirivier Vet Clinic**

Beef: 3

**Underberg, Underberg Veterinary Surgery**

Beef: 3, Sheep: 3

#### Eastern Cape

**Graaff-Reinet, Graaff Reinet Veterinary Clinic**

Beef: 2, Sheep: 2, Goat: 2

**Humansdorp, Humansdorp Veterinary Clinic**

Beef: 1

#### Western Cape

**Malmesbury, Bergzicht Dierehospitaal**

Dairy: 2

### Epididymitis



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

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

Sheep					3.0 (1)		2.0 (1)	2.0 (1)	2.0 (1)
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#### Free State

**Dewetsdorp, Platkop Dierekliniek**

Sheep: 3

#### Eastern Cape

**Somerset East, Bosberg Veterinary Clinic**

Sheep: 2

#### Western Cape

**Beaufort West, Beaufort Dierekliniek**

Sheep: 2

#### Northern Cape

**Kuruman, Kuruman 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 (2)	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

<b>Beef</b>		1.0 (1)	
<b>Dairy</b>	1.0 (1)		3.0 (1) 2.0 (1)
<b>Sheep</b>		1.0 (1)	

#### Gauteng

**Bronkhorstspuit, Kerkstraat Dierekliniek**

Dairy: 1

#### Free State

**Ladybrand, Ladybrand Dierekliniek**

Beef: 1, Sheep: 1

#### Kwazulu-Natal

**Howick, Howick Veterinary Clinic**

Dairy: 3

#### Western Cape

**Malmesbury, Bergzicht Dierehospitaal**

Dairy: 2

### Eye infections



PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>	2.2 (9)	2.2 (5)		3.0 (8)	2.7 (18)	2.1 (12)	2.0 (7)	2.3 (8)	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

<b>Beef</b>	2.2 (5)	3.0 (1)		3.0 (5)	2.8 (11)	2.3 (7)	1.8 (4)	2.0 (3)	2.5 (2)
<b>Dairy</b>						3.0 (1)	3.0 (1)	2.3 (4)	
<b>Sheep</b>	2.3 (3)	1.7 (3)		3.0 (3)	2.4 (7)	2.0 (1)	2.0 (2)	3.0 (1)	
<b>Goat</b>	2.0 (1)	3.0 (1)				1.3 (3)			3.0 (1)

#### Mpumalanga

**Balfour, Balfour Dierekliniek**

Beef: 2, Sheep: 2, Goat: 2

**Grootvlei, Grootvlei Dierekliniek**

Beef: 2

**Lydenburg, Longtom Dierekliniek**

Beef: 3, Sheep: 2

**Lydenburg, Lydenburg Dieresprekkamer**

Beef: 2

**Standerton, Econovet**

Beef: 2, Sheep: 3

#### Gauteng

**Hammanskraal, Themba Animal Clinic**

Beef: 3, Sheep: 2, Goat: 3

**Pretoria, Anima Veterinary Consulting Rooms**

Sheep: 2

**Rayton, Rayton Dierekliniek**

Sheep: 1

**North West****Brits, Brits Dierekliniek**

Sheep: 3

**Christiana, Christiana Dierehospitaal**

Beef: 3, Sheep: 3

**Klerksdorp, Klerksdorp Dierehospitaal**

Beef: 3, Sheep: 3

**Leeudoringstad, Leeudoringstad Dierekliniek**

Beef: 3

*Moraxella*

**Stella, Stella Dierekliniek**

Beef: 3

**Vryburg, Vryburg Dierehospitaal**

Beef: 3

**Free State****Bloemfontein, Dr Stephan Wessels**

Beef: 3

**Bultfontein, Greylingrust Dieresprekkamer**

Beef: 3

**Dewetsdorp, Platkop Dierekliniek**

Beef: 3, Sheep: 3

**Harrismith, Harrismith Dierehospitaal**

Beef: 3

Pink eye infections

**Kroonstad, Kroonstad Dierehospitaal**

Beef: 3

**Ladybrand, Ladybrand Dierekliniek**

Beef: 3

**Parys, Parys Dierehospitaal**

Beef: 3, Sheep: 3

**Philippolis, Rowelsfontein veearts Spreekkamer**

Sheep: 1

**Reitz, Riemland Dierehospitaal**

Beef: 2, Sheep: 2

**Senekal, Senekal Dierekliniek**

Beef: 3, Sheep: 3

**Viljoenskroon, Viljoenskroon Dierekliniek**

Beef: 3

**Vrede, Vrede Dierehospitaal**

Sheep: 3

*Mycoplasma*

**Wesselsbron, Wesselsbron Dierekliniek**

Beef: 2, Sheep: 2

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

Beef: 2

**Camperdown, Camperdown Vet Clinic**

Goat: 1

**Dundee, Endumeni Herd health**

Beef: 3, Dairy: 3, Sheep: 2, Goat: 2

**Mooi River, Mooirivier Vet Clinic**

Beef: 3
<b>Mtubatuba, Mtubatuba Animal Clinic</b>
Beef: 2
<b>Pongola, Pongola Animal Clinic</b>
Beef: 1, Goat: 1
<b>Underberg, Underberg Veterinary Surgery</b>
Beef: 3
<b>Vryheid, Vryheid Privaat Veeartse</b>
Beef: 2
<b>Eastern Cape</b>
<b>Alexandria, Alexandria Platteland Spreekkamer</b>
Beef: 1
<b>Graaff-Reinet, Camdeboo Veterinary Clinic</b>
Sheep: 1
<b>Graaff-Reinet, Graaff Reinet Veterinary Clinic</b>
Beef: 3, Sheep: 3
<b>Humansdorp, Humansdorp Veterinary Clinic</b>
Beef: 2
<b>Somerset East, Bosberg Veterinary Clinic</b>
Dairy: 3
<b>Uitenhage, Uitenhage Dierehospitaal</b>
Beef: 1
<b>Western Cape</b>
<b>Caledon, Caledon Dierekliniek</b>
Beef: 1
<b>Darling, Tygerberg Dierehospitaal Darling</b>
Dairy: 1
<b>Malmesbury, Bergzicht Dierehospitaal</b>
Beef: 2, Dairy: 2
<b>Malmesbury, Dr Otto Kriek</b>
Dairy: 3
<b>Swellendam, Swellendam Dierehospitaal</b>
Beef: 3, Dairy: 3, Sheep: 3
<b>Northern Cape</b>
<b>Kuruman, Kuruman Dierekliniek</b>
Beef: 2
<b>Postmasburg, Postmasburg Dierekliniek</b>
Beef: 3, Goat: 3

Joint Ill									<a href="#">^</a>
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (2)	1.7 (3)		2.0 (2)	1.0 (2)	1.5 (2)	3.0 (1)		2.0 (1)
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef	2.0 (2)	2.0 (1)		2.0 (1)	1.0 (1)	1.5 (2)			
Sheep		1.0 (1)		2.0 (1)	1.0 (1)		3.0 (1)		2.0 (1)

**Goat** 2.0 (1)

### **Mpumalanga**

#### **Grootvlei, Grootvlei Dierekliniek**

Beef: 2

#### **Lydenburg, Longtom Dierekliniek**

Beef: 2

### **Gauteng**

#### **Hammanskraal, Themba Animal Clinic**

Beef: 2, Goat: 2

#### **Rayton, Rayton Dierekliniek**

Sheep: 1

### **North West**

#### **Klerksdorp, Klerksdorp Dierehospitaal**

Beef: 2, Sheep: 2

### **Free State**

#### **Senekal, Senekal Dierekliniek**

Beef: 1

#### **Wesselsbron, Wesselsbron Dierekliniek**

Sheep: 1

### **Kwazulu-Natal**

#### **Underberg, Underberg Veterinary Surgery**

Beef: 1

#### **Vryheid, Vryheid Privaat Veeartse**

Beef: 2

### **Eastern Cape**

#### **Graaff-Reinet, Graaff Reinet Veterinary Clinic**

Sheep: 3

### **Northern Cape**

#### **Kuruman, Kuruman Dierekliniek**

Sheep: 2

## **Lameness/Foot Problems**



PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>	2.0 (5)	2.0 (9)	2.0 (1)	2.6 (5)	2.4 (21)	2.3 (9)	2.2 (6)	2.0 (5)	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

<b>Beef</b>	2.0 (2)	2.5 (2)	2.0 (1)	2.5 (2)	2.4 (9)	2.3 (6)	1.7 (3)		3.0 (1)
<b>Dairy</b>	2.0 (1)				2.5 (2)	2.5 (2)		2.0 (4)	
<b>Sheep</b>	3.0 (1)	1.8 (5)		2.7 (3)	2.4 (10)	2.0 (1)	2.7 (3)	2.0 (1)	2.0 (1)
<b>Goat</b>	1.0 (1)	2.0 (2)							2.0 (1)

### **Mpumalanga**

#### **Balfour, Balfour Dierekliniek**

Dairy: 2

#### **Grootvlei, Grootvlei Dierekliniek**

Beef: 2

**Lydenburg, Longtom Dierekliniek**

Beef: 2, Sheep: 3

Foot rot

**Lydenburg, Lydenburg Dieresprekkamer**

Goat: 1

**Gauteng**

**Bapsfontein, Bapsfontein Dierehospitaal**

Sheep: 2

**Hammanskraal, Themba Animal Clinic**

Beef: 3, Sheep: 3, Goat: 3

**Pretoria, Anima Veterinary Consulting Rooms**

Sheep: 2

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

Beef: 2

Eight cattle

Sheep: 1, Goat: 1

**Rayton, Rayton Dierekliniek**

Sheep: 1

**Limpopo**

**Tzaneen, ZZ2 Farm Practice**

Beef: 2

**North West**

**Brits, Brits Dierekliniek**

Beef: 2

**Christiana, Christiana Dierehospitaal**

Sheep: 3

**Leeudoringstad, Leeudoringstad Dierekliniek**

Sheep: 3

Foot rot after very good rains

**Potchefstroom, Morvet**

Sheep: 2

Foot rot

**Vryburg, Vryburg Dierehospitaal**

Beef: 3

**Free State**

**Bloemfontein, Dr Stephan Wessels**

Beef: 3

**Bothaville, Bothaville Dierekliniek**

Sheep: 2

Foot rot

**Bultfontein, Greylingrust Dieresprekkamer**

Beef: 3

**Clocolan, Clocolan Dierekliniek**

Beef: 2, Sheep: 3

**Dewetsdorp, Platkop Dierekliniek**

Sheep: 2

**Ficksburg, Oosvrystaat Diere Produkte**

Beef: 2, Dairy: 2, Sheep: 2

**Gariepdam, Gariep Dierekliniek**

Sheep: 3

Lameness in sheep due to ticks

**Kroonstad, Kroonstad Dierehospitaal**

Beef: 3, Dairy: 3, Sheep: 3

**Ladybrand, Ladybrand Dierekliniek**

Beef: 3

**Parys, Parys Dierehospitaal**

Beef: 2

**Smithfield, Freestate Smithfield SV**

Sheep: 2

Three cases in one outbreak

**Viljoenskroon, Viljoenskroon Dierekliniek**

Beef: 3, Sheep: 3

**Villiers, Wilgepoort Veedienste**

Sheep: 2

**Wesselsbron, Wesselsbron Dierekliniek**

Beef: 1, Sheep: 2

**Kwazulu-Natal**

**Bergville, Bergville Veterinary Clinic**

Beef: 2

**Estcourt, Estcourt Vet Clinic**

Beef: 2, Dairy: 2, Sheep: 2

**Howick, Howick Veterinary Clinic**

Beef: 3, Dairy: 3

**Mooi River, Mooirivier Vet Clinic**

Beef: 3

**Newcastle, Ncanduvet Newcastle**

Beef: 1

**Underberg, Underberg Veterinary Surgery**

Beef: 3

**Eastern Cape**

**Alexandria, Alexandria Platteland Spreekkamer**

Beef: 2

**Graaff-Reinet, Graaff Reinet Veterinary Clinic**

Sheep: 3

**Humansdorp, Humansdorp Veterinary Clinic**

Beef: 1

**Port Alfred, Kowie Veterinary Clinic**

Beef: 2

Three cases of foot rot and joint abscesses in feedlot (Salem)

Sheep: 3

29 cases of foot rot and foot abscesses - Shaw Park

**Uitenhage, Uitenhage Dierehospitaal**

Sheep: 2

**Western Cape**

**Beaufort West, Beaufort Dierekliniek**

Sheep: 2

**Darling, Tygerberg Dierehospitaal Darling**

Dairy: 3

**George, George Animal Hospital**

Dairy: 2

**Malmesbury, Bergzicht Dierehospitaal**

Dairy: 2

**Malmesbury, Invitrotech**

Dairy: 1

**Northern Cape**

**Kuruman, Kuruman Dierekliniek**

Beef: 3, Sheep: 2, Goat: 2

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.7 (7)	1.6 (5)		2.6 (5)	2.4 (14)	1.4 (5)	1.5 (4)	2.5 (4)	1.0 (2)

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

Beef	1.7 (3)	1.5 (2)		2.3 (3)	2.4 (5)	1.4 (5)	1.0 (1)		1.0 (1)
Dairy					2.0 (1)			3.0 (2)	
Sheep	1.8 (4)	2.0 (2)		3.0 (2)	2.4 (8)		2.0 (2)	2.0 (2)	1.0 (1)
Goat		1.0 (1)					1.0 (1)		

#### Mpumalanga

##### Balfour, Balfour Dierekliniek

Beef: 2, Sheep: 2

##### Grootvlei, Grootvlei Dierekliniek

Beef: 2, Sheep: 1

##### Hendrina, Mooiplaas Veterinêre Dienste

Sheep: 2

##### Lydenburg, Longtom Dierekliniek

Sheep: 2

##### Lydenburg, Lydenburg Dieresprekkamer

Beef: 1

#### Gauteng

##### Bapsfontein, Bapsfontein Dierehospitaal

Beef: 2, Sheep: 2

##### Hammanskraal, Themba Animal Clinic

Goat: 1

##### Pretoria, Anima Veterinary Consulting Rooms

Sheep: 2

##### Rayton, Rayton Dierekliniek

Beef: 1

#### North West

##### Christiana, Christiana Dierehospitaal

Beef: 1

##### Leeudoringstad, Leeudoringstad Dierekliniek

Beef: 3

Calves

Sheep: 3

##### Stella, Stella Dierekliniek

Beef: 3, Sheep: 3

#### Free State

##### Bloemfontein, Dr Stephan Wessels

Beef: 3

##### Bothaville, Bothaville Dierekliniek

Sheep: 2

##### Clocolan, Clocolan Dierekliniek

Beef: 3, Dairy: 2, Sheep: 3

##### Ficksburg, Oosvrystaat Diere Produkte



Beef: 2, Sheep: 2
<b>Kroonstad, Kroonstad Dierehospitaal</b>
Sheep: 2
<b>Ladybrand, Ladybrand Dierekliniek</b>
Sheep: 2
<b>Viljoenskroon, Viljoenskroon Dierekliniek</b>
Beef: 3, Sheep: 3
<b>Villiers, Wilgepoort Veedienste</b>
Sheep: 2
<b>Vrede, Vrede Dierehospitaal</b>
Beef: 1, Sheep: 3
<b>Kwazulu-Natal</b>
<b>Bergville, Bergville Veterinary Clinic</b>
Beef: 1
<b>Dundee, Endumeni Herd health</b>
Beef: 2
<b>Mooi River, Mooirivier Vet Clinic</b>
Beef: 1
<b>Mtubatuba, Mtubatuba Animal Clinic</b>
Beef: 1
<b>Underberg, Underberg Veterinary Surgery</b>
Beef: 2
<b>Eastern Cape</b>
<b>Alexandria, Alexandria Platteland Spreekkamer</b>
Beef: 1
<b>Cradock, Cradock Veterinary Clinic</b>
Sheep: 3
Foot rot and foot abscesses - Hofmeyr and Cradock
<b>Graaff-Reinet, Camdeboo Veterinary Clinic</b>
Sheep: 1, Goat: 1
<b>Western Cape</b>
<b>Ceres, Ceres Veterinary Hospital</b>
Sheep: 1
Lung infection in sheep ram
<b>Darling, Tygerberg Dierehospitaal Darling</b>
Dairy: 3, Sheep: 3
<b>Malmesbury, Dr Otto Kriek</b>
Dairy: 3
Calves
<b>Northern Cape</b>
<b>Kimberley, Staatsveeartse Groep NC</b>
Beef: 1
Kuruman Area
Sheep: 1
Kuruman Area

Mastitis in general									<a href="#">^</a>
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.7 (3)	1.0 (2)		1.0 (1)	2.2 (6)	2.2 (5)	3.0 (1)	2.0 (3)	1.0 (1)

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

<b>Beef</b>	1.0 (1)		1.0 (1)	2.0 (4)	1.5 (2)		1.0 (1)
<b>Dairy</b>	2.0 (1)			3.0 (1)	2.7 (3)	3.0 (1)	2.0 (3)
<b>Sheep</b>	2.0 (1)	1.0 (1)		2.0 (1)			
<b>Goat</b>		1.0 (1)					

#### **Mpumalanga**

##### **Balfour, Balfour Dierekliniek**

Dairy: 2

##### **Lydenburg, Longtom Dierekliniek**

Beef: 1, Sheep: 2

#### **Gauteng**

##### **Hammanskraal, Themba Animal Clinic**

Sheep: 1, Goat: 1

#### **North West**

##### **Christiana, Christiana Dierehospitaal**

Beef: 1

#### **Free State**

##### **Bloemfontein, Dr Stephan Wessels**

Beef: 3

##### **Bultfontein, Greylingrust Dieresprekkamer**

Beef: 1

##### **Kroonstad, Kroonstad Dierehospitaal**

Sheep: 2

##### **Parys, Parys Dierehospitaal**

Beef: 3

##### **Senekal, Senekal Dierekliniek**

Dairy: 3

##### **Viljoenskroon, Viljoenskroon Dierekliniek**

Beef: 1

#### **Kwazulu-Natal**

##### **Dundee, Endumeni Herd health**

Dairy: 2

##### **Howick, Howick Veterinary Clinic**

Dairy: 3

##### **Mooi River, Mooirivier Vet Clinic**

Beef: 2

##### **Pongola, Pongola Animal Clinic**

Beef: 1

##### **Underberg, Underberg Veterinary Surgery**

Dairy: 3

#### **Eastern Cape**

##### **Somerset East, Bosberg Veterinary Clinic**

Dairy: 3

#### **Western Cape**

##### **George, George Animal Hospital**

Dairy: 3

##### **Malmesbury, Bergzicht Dierehospitaal**

Dairy: 2

*E. coli* cultured

**Malmesbury, Invitrotech**

Dairy: 1

**Northern Cape**

**Kimberley, Staatsveeartse Groep NC**

Beef: 1

Kuruman Area

### Navel III



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)	

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)			
Dairy								1.0 (1)	

**North West**

**Christiana, Christiana Dierehospitaal**

Beef: 1

**Vryburg, Vryburg Dierehospitaal**

Beef: 2

**Kwazulu-Natal**

**Underberg, Underberg Veterinary Surgery**

Beef: 1

**Western Cape**

**Stellenbosch, Stellenbosch Animal Hospital**

Dairy: 1

### Trauma



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

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

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

**Free State**

**Bultfontein, Greylingrust Dieresprekkamer**

Beef: 1

**Western Cape**

**Malmesbury, Invitrotech**

Dairy: 2

Injuries (3 cows); slipped (3 cows)

**Northern Cape**

**Kimberley, Kimberley Dierekliniek**

Beef: 1

Bruising

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

**Free State****Bultfontein, Greylingrust Dieresprekkamer**

Beef: 1

**Kroonstad, Kroonstad Dierehospitaal**

Beef: 2

**Western Cape****Malmesbury, Invitrotech**

Dairy: 3

29 cows

**Northern Cape****Kuruman, Kuruman Dierekliniek**

Beef: 2

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

**Gauteng****Pretoria, Anima Veterinary Consulting Rooms**

Sheep: 3

Parakeratosis in lambs

**Limpopo****Bela Bela, Artemis Veterinary Services**

Beef: 1

Calf, 3 months old in very poor condition, maggots in ears, ticks, snotty nose, cow does not look after her calf, after treatment improved but died later

**Bela-Bela, Warmbad Dierekliniek**

Beef: 1

Orchitis, bull

**Free State**

**Dewetsdorp, Platkop Dierekliniek**

Beef: 1

Snake

**Eastern Cape**

**Cradock, Cradock Veterinary Clinic**

Beef: 2

Fog fever in heifers

**Western Cape**

**Malmesbury, Invitrotech**

Dairy: 3

Poor condition (3 cows); Nett Feed Intake above average (NFI) 52 cows; Animal's mass below average (32 cows)

**Northern Cape**

**Kimberley, Kimberley Dierekliniek**

Beef: 1

Rectal prolaps

## Wet carcasses Yellow cascses at abattoir

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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**Northern Cape**

**Kimberley, Kimberley Dierekliniek**

Sheep: 2

Seen at abattoir: wet carcasses, yellow carcasses

## Metabolic Diseases

### Acidosis

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

<b>Sheep</b>	2.0 (1)			2.0 (1)			3.0 (1)	1.0 (1)
<b>Goat</b>				1.0 (1)	1.0 (1)		1.0 (1)	

#### **Mpumalanga**

##### **Lydenburg, Longtom Dierekliniek**

Sheep: 2

#### **Gauteng**

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

Beef: 1

#### **Free State**

##### **Ladybrand, Ladybrand Dierekliniek**

Sheep: 2, Goat: 1

#### **Kwazulu-Natal**

##### **Camperdown, Camperdown Vet Clinic**

Goat: 1

##### **Dundee, Endumeni Herd health**

Dairy: 2

#### **Western Cape**

##### **Beaufort West, Beaufort Dierekliniek**

Sheep: 3

Still a problem with supplementation of energy in feedlots. Incorrect supplementation

##### **Beaufort West, Beaufort West State Vet**

Goat: 1


##### **Stellenbosch, Stellenbosch Animal Hospital**

Beef: 1

#### **Northern Cape**

##### **Kimberley, Kimberley Dierekliniek**

Sheep: 1

<b>Displaced abomasum</b>									
<b>PROVINCE</b>	<b>Mpumalanga</b>	<b>Gauteng</b>	<b>Limpopo</b>	<b>North West</b>	<b>Free State</b>	<b>Kwazulu-Natal</b>	<b>Eastern Cape</b>	<b>Western Cape</b>	<b>Northern Cape</b>
<b>Average</b>					1.5 (2)	2.3 (3)	1.0 (1)	1.0 (1)	

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

<b>Dairy</b>					1.5 (2)	2.3 (3)	1.0 (1)	1.0 (1)	
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#### **Free State**

##### **Clocolan, Clocolan Dierekliniek**

Dairy: 2

##### **Wesselsbron, Wesselsbron Dierekliniek**

Dairy: 1

#### **Kwazulu-Natal**

##### **Dundee, Endumeni Herd health**

Dairy: 2

##### **Howick, Howick Veterinary Clinic**

Dairy: 3

**Underberg, Underberg Veterinary Surgery**

Dairy: 2

**Eastern Cape****Somerset East, Bosberg Veterinary Clinic**

Dairy: 1

**Western Cape****Malmesbury, Bergzicht Dierehospitaal**

Dairy: 1

**Ketosis**

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

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

**Gauteng****Bronkhorstspuit, Kerkstraat Dierekliniek**

Sheep: 1

**Free State****Winburg, Winburg Dierekliniek**

Sheep: 3

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

Dairy: 2

**Eastern Cape****Somerset East, Bosberg Veterinary Clinic**

Dairy: 1, Sheep: 3

**Western Cape****George, George Animal Hospital**

Sheep: 2

**Heidelberg (WC), Heidelberg Dierekliniek**

Sheep: 1

**Milk Fever**

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

Dairy						3.0 (1)			
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Sheep					2.0 (1)			1.0 (1)	
Free State									
Ladybrand, Ladybrand Direkliniek									
Sheep: 2									
Kwazulu-Natal									
Howick, Howick Veterinary Clinic									
Dairy: 3									
Western Cape									
Stellenbosch, Stellenbosch Animal Hospital									
Sheep: 1									
Reproductive diseases									
Dystocia (Difficult Births)									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.8 (5)	2.0 (3)	2.0 (2)	2.6 (5)	2.0 (19)	2.3 (8)	1.3 (3)	1.8 (5)	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	1.8 (5)	2.0 (2)	2.0 (2)	2.5 (4)	1.9 (13)	2.2 (5)	1.0 (2)	1.7 (3)	2.0 (3)
Dairy					2.0 (2)	2.5 (2)		2.0 (2)	
Sheep		2.0 (1)		3.0 (1)	2.3 (4)	2.0 (1)	2.0 (1)		
Mpumalanga									
Balfour, Balfour Direkliniek									
Beef: 2									
Bethal, Bethal Direkliniek									
Beef: 2									
Grootvlei, Grootvlei Direkliniek									
Beef: 2									
Lydenburg, Lydenburg Dieresprekkamer									
Beef: 1									
Volksrust, Cape Cross Volksrust Dierehospitaal									
Beef: 2									
Gauteng									
Bapsfontein, Bapsfontein Dierehospitaal									
Sheep: 2									
Magaliesburg, Magaliesburg; Dr Ryan Jeffrey									
Beef: 3									
Rayton, Rayton Direkliniek									
Beef: 1									
Limpopo									
Bela-Bela, Warmbad Direkliniek									
Beef: 2									
Mokopane, Bundu Veterinary Services									



Beef: 2

#### **North West**

##### **Brits, Brits Dierekliniek**

Beef: 2

##### **Christiana, Christiana Dierehospitaal**

Beef: 3, Sheep: 3

##### **Klerksdorp, Klerksdorp Dierehospitaal**

Beef: 2

##### **Ventersdorp, Ventersdorp Dierekliniek**

Beef: 3

#### **Free State**

##### **Bloemfontein, Dr Stephan Wessels**

Beef: 1

##### **Bultfontein, Greylingrust Dieresprekkamer**

Beef: 2

##### **Clocolan, Clocolan Dierekliniek**

Beef: 2

##### **Ficksburg, Oosvrystaat Dier Produkte**

Beef: 2

##### **Frankfort, Frankfort Dierekliniek**

Beef: 2, Sheep: 2

##### **Hoopstad, Hoopstad Dierekliniek**

Beef: 3, Sheep: 3

##### **Kroonstad, Dr. Theo Kotze Senekal**

Dairy: 2

##### **Kroonstad, Kroonstad Dierehospitaal**

Beef: 2, Dairy: 2

##### **Parys, Parys Dierehospitaal**

Beef: 2

##### **Reitz, Riemland Dierehospitaal**

Beef: 2

##### **Senekal, Senekal Dierekliniek**

Beef: 1

##### **Viljoenskroon, Viljoenskroon Dierekliniek**

Beef: 2, Sheep: 2

##### **Villiers, Wilgepoort Veedienste**

Sheep: 2

##### **Wesselsbron, Wesselsbron Dierekliniek**

Beef: 1

##### **Winburg, Winburg Dierekliniek**

Beef: 3

#### **Kwazulu-Natal**

##### **Bergville, Bergville Veterinary Clinic**

Beef: 2

##### **Estcourt, Estcourt Vet Clinic**

Beef: 1, Dairy: 2

##### **Howick, Howick Veterinary Clinic**

Dairy: 3

##### **Mooi River, Mooirivier Vet Clinic**

Beef: 2

##### **Newcastle, Ncanduvet Newcastle**

Beef: 3, Sheep: 2

##### **Underberg, Underberg Veterinary Surgery**

Beef: 3

#### **Eastern Cape**

**Humansdorp, Humansdorp Veterinary Clinic**

Beef: 1

**Steynsburg, Steynsburg Dierehospitaal**

Sheep: 2

**Uitenhage, Uitenhage Dierehospitaal**

Beef: 1

**Western Cape****Ceres, Ceres Veterinary Hospital**

Beef: 2

**Malmesbury, Bergzicht Dierehospitaal**

Dairy: 2

**Malmesbury, Dr Otto Kriek**

Dairy: 2

**Stellenbosch, Stellenbosch Animal Hospital**

Beef: 1

**Swellendam, Swellendam Dierehospitaal**

Beef: 2

**Northern Cape****Kimberley, Kimberley Dierekliniek**

Beef: 2

**Kimberley, Vets4all**

Beef: 2

**Postmasburg, Postmasburg Dierekliniek**

Beef: 2

**Endometritis**

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

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

Dairy					2.0 (2)	3.0 (1)	3.0 (1)	3.0 (3)	
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**Free State****Clocolan, Clocolan Dierekliniek**

Dairy: 2

**Kroonstad, Kroonstad Dierehospitaal**

Dairy: 2

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

Dairy: 3

**Eastern Cape****Somerset East, Bosberg Veterinary Clinic**

Dairy: 3

**Western Cape****Caledon, Caledon Dierekliniek**


Dairy: 3

**Heidelberg (WC), Heidelberg Dierekliniek**

Dairy: 3

**Malmesbury, Bergzicht Dierehospitaal**

Dairy: 3

Metritis									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.3 (3)			3.0 (2)	2.3 (3)	2.7 (3)	2.5 (2)	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

<b>Beef</b>	1.3 (3)		3.0 (1)	2.5 (2)	2.5 (2)	2.0 (1)	3.0 (1)	
<b>Dairy</b>				2.0 (1)	3.0 (1)	3.0 (1)	2.3 (4)	
<b>Sheep</b>			3.0 (1)					

**Mpumalanga**

**Balfour, Balfour Dierekliniek**

Beef: 1

## Bethal, Bethal Dierekliniek

Beef: 1

**Volksrust, Cape Cross Volksrust Dierehospitaal**

Beef: 2

Two cows with pyometra

## North West

**Christiana, Christiana Dierhospitaal**

Beef: 3, Sheep: 3

## Free State

**Bloemfontein, Dr Stephan Wessels**

Beef: 2

**Parys, Parys Dierehospitaal**

Beef: 3

**Senekal, Senekal Dierekliniek**

Dairy: 2

## Kwazulu-Natal

## Howick, Howick Veterinary Clinic

Dairy: 3

**Mooi River, Mooirivier Vet Clinic**

Beef: 2

## Underberg, Underberg Veterinary Surgery

Beef: 3

## Eastern Cape

## Alexandria, Alexandria Platteland Spreekkamer

Beef: 2

**Somerset East, Bosberg Veterinary Clinic**

Dairy: 3

## Western Cape

**Caledon, Caledon Dierekliniek**

Dairy: 3

**Darling, Tygerberg Dierehospitaal Darling**

Beef: 3, Dairy: 2

**Malmesbury, Bergzicht Dierehospitaal**

Dairy: 2

**Swellendam, Swellendam Dierehospitaal**

Dairy: 2

## Poor conception



PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average					2.0 (2)	2.5 (4)	2.5 (4)	2.8 (4)	1.0 (1)

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

Beef					2.0 (2)	2.3 (3)	2.0 (2)		1.0 (1)
Dairy						3.0 (1)		2.8 (4)	
Sheep							3.0 (2)		

### Free State

**Kroonstad, Kroonstad Dierehospitaal**

Beef: 1

**Parys, Parys Dierehospitaal**

Beef: 3

### Kwazulu-Natal

**Dundee, Endumeni Herd health**

Beef: 1

**Howick, Howick Veterinary Clinic**

Dairy: 3

**Mooi River, Mooirivier Vet Clinic**

Beef: 3

**Underberg, Underberg Veterinary Surgery**

Beef: 3

Cows not conceiving, not cycling. Early foetus death on scanning, uncharacteristic hot weather and nutritional stress

### Eastern Cape

**Humansdorp, Humansdorp Veterinary Clinic**

Beef: 1

**Steynsburg, Steynsburg Dierehospitaal**

Beef: 3, Sheep: 3

**Witelsbos, Witelsbos Veterinary Consulting Rooms**

Sheep: 3

### Western Cape

**Caledon, Caledon Dierekliniek**

Dairy: 3

**Malmesbury, Dr Otto Kriek**

Dairy: 3

Heat stress

**Malmesbury, Invitrotech**

Dairy: 3

Poor reproduction 57

**Swellendam, Swellendam Dierehospitaal**

Dairy: 2

Ovarian cysts

### Northern Cape

**Kathu, Kathu Dierekliniek**

Beef: 1

**Retained afterbirth**

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>		1.5 (2)		3.0 (2)	2.0 (2)	2.3 (4)	3.0 (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

<b>Beef</b>		1.5 (2)		3.0 (1)	2.0 (2)	2.0 (3)			
<b>Dairy</b>						3.0 (1)	3.0 (1)	3.0 (2)	
<b>Sheep</b>				3.0 (1)			3.0 (1)		

**Gauteng****Bronkhorstspuit, Kerkstraat Dierekliniek**

Beef: 1

**Hammanskraal, Themba Animal Clinic**

Beef: 2

**North West****Christiana, Christiana Dierehospitaal**

Beef: 3, Sheep: 3

**Free State****Bloemfontein, Dr Stephan Wessels**

Beef: 2

**Winburg, Winburg Dierekliniek**

Beef: 2

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

Beef: 2

**Howick, Howick Veterinary Clinic**

Dairy: 3

**Mooi River, Mooirivier Vet Clinic**

Beef: 1

**Underberg, Underberg Veterinary Surgery**

Beef: 3

**Eastern Cape****Somerset East, Bosberg Veterinary Clinic**

Dairy: 3

**Steynsburg, Steynsburg Dierehospitaal**

Sheep: 3

**Western Cape****Darling, Tygerberg Dierehospitaal Darling**

Dairy: 3

**Malmesbury, Bergzicht Dierehospitaal**

Dairy: 3

**Sheath Prolaps**

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average		1.0 (1)			1.7 (3)	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)			1.7 (3)	1.5 (2)			1.0 (1)
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#### Gauteng

##### Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 1

Preputial abscesses and prolaps

#### Free State

##### Hoopstad, Hoopstad Dierekliniek

Beef: 2

##### Ladybrand, Ladybrand Dierekliniek

Beef: 2

##### Vrede, Saulshoek Dierepraktijk

Beef: 1

#### Kwazulu-Natal

##### Bergville, Bergville Veterinary Clinic

Beef: 1

##### Pongola, Pongola Animal Clinic

Beef: 2

#### Northern Cape

##### Kuruman, Kuruman Dierekliniek

Beef: 1

### Uterus prolaps



PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average					1.5 (11)	2.0 (2)	1.5 (2)	1.0 (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					1.5 (8)	1.0 (1)		1.0 (1)	2.0 (2)
Dairy						3.0 (1)	1.0 (1)	1.0 (1)	
Sheep					1.7 (3)		2.0 (1)		2.0 (1)

#### Free State

##### Clocolan, Clocolan Dierekliniek

Beef: 2

##### Frankfort, Frankfort Dierekliniek

Beef: 2, Sheep: 2

##### Hoopstad, Hoopstad Dierekliniek

Beef: 1, Sheep: 2

**Ladybrand, Ladybrand Dierekliniek**

Beef: 1

**Villiers, Wilgepoort Veedienste**

Beef: 1, Sheep: 1

**Vrede, Saulshoek Direpraktik**

Beef: 1

**Wesselsbron, Wesselsbron Dierekliniek**

Beef: 1

**Winburg, Winburg Dierekliniek**

Beef: 3

**Kwazulu-Natal**

**Bergville, Bergville Veterinary Clinic**

Beef: 1

**Howick, Howick Veterinary Clinic**

Dairy: 3

**Eastern Cape**

**Somerset East, Bosberg Veterinary Clinic**

Dairy: 1

**Steynsburg, Steynsburg Dierehospitaal**

Sheep: 2

**Western Cape**

**Malmesbury, Bergzicht Dierehospitaal**

Dairy: 1

**Stellenbosch, Stellenbosch Animal Hospital**

Beef: 1

**Northern Cape**

**Kuruman, Kuruman Dierekliniek**

Beef: 2, Sheep: 2

**Postmasburg, Postmasburg Dierekliniek**

Beef: 2

Vaginal (Cervical) prolaps									<a href="#">^</a>
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (2)		2.0 (1)	2.0 (1)	2.0 (11)	1.5 (4)		1.0 (1)	1.0 (1)

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

Beef	1.0 (2)		2.0 (1)	2.0 (1)	1.8 (6)	1.5 (4)		1.0 (1)	1.0 (1)
Dairy					2.0 (1)				
Sheep					2.3 (4)				

**Mpumalanga**

**Grootvlei, Grootvlei Dierekliniek**

Beef: 1

**Volkstrust, Cape Cross Volksrust Dierehospitaal**

Beef: 1





Sheep: 1, Goat: 1

Drought									^
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 (3)

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

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

#### Free State

**Vrede, Saulshoek Dierepraktik**

Beef: 2

#### Western Cape

**Beaufort West, Beaufort West State Vet**

Sheep: 2

Rumen stasis

#### Northern Cape

**Kuruman, Kuruman Dierekliniek**

Beef: 3, Sheep: 3, Goat: 3

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

#### Kwazulu-Natal

**Howick, Howick Veterinary Clinic**

Dairy: 3

#### Eastern Cape

**Alexandria, Alexandria Platteland Spreekkamer**

Beef: 3

**Somerset East, Bosberg Veterinary Clinic**

Dairy: 3

#### Western Cape

**George, George Animal Hospital**

Dairy: 3

**Malmesbury, Dr Otto Kriek**

Dairy: 3

Lightning									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)				1.7 (9)	1.0 (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 (1)				1.8 (6)	1.0 (4)			
Dairy					1.0 (1)				
Sheep					2.0 (1)				
Goat					1.0 (1)				
Mpumalanga									
Bethal, Bethal Dierekliniek									
Beef: 1									
Free State									
Clocolan, Clocolan Dierekliniek									
Beef: 2									
Dewetsdorp, Platkop Dierekliniek									
Sheep: 2									
Ficksburg, Oosvrystaat Diere Produkte									
Beef: 2									
Three dairy cows									
Kroonstad, Dr. Theo Kotze Senekal									
Dairy: 1									
Memel, Memel Veterinary Clinic									
Beef: 2									
Philippolis, Rowelsfontein veearts Spreekkamer									
Goat: 1									
Reitz, Riemland Dierehospitaal									
Beef: 1									
Vrede, Saulshoek Dierepraktijk									
Beef: 2									
Vrede, Vrede Dierehospitaal									
Beef: 2									
Six cattle									
Kwazulu-Natal									
Dundee, Endumeni Herd health									
Beef: 1									
Estcourt, Estcourt Vet Clinic									
Beef: 1									
Mooi River, Mooirivier Vet Clinic									
Beef: 1									
Newcastle, Ncanduvet Newcastle									
Beef: 1									

## Non specific diseases

### Genetic disorders

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

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

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

#### Limpopo

**Bela Bela, Artemis Veterinary Services**

Sheep: 1

Lamb born without an anus

#### North West

**Leeudoringstad, Leeudoringstad Dierekliniek**

Beef: 1

Dystocia, calf with 8 legs

#### Western Cape

**Malmesbury, Invitrotech**

Dairy: 2

Hermaphrodites (2 heifers)

### Preditors

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

#### Free State

**Philippolis, Rowelsfontein veearts Spreekkamer**

Sheep: 3

**Villiers, Wilgepoort Veedienste**

Beef: 2, Sheep: 3

### Sabotage/Theft

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average		2.0 (1)		1.0 (1)	2.8 (6)	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)	2.7 (3)	2.0 (1)			
Sheep					3.0 (3)				

#### Gauteng

##### Bronkhorstspuit, Kerkstraat Dierekliniek

Beef: 2

#### North West

##### Leeudoringstad, Leeudoringstad Dierekliniek

Beef: 1

Less problems after closure of auctions due to FMD control

#### Free State

##### Clocolan, Clocolan Dierekliniek

Beef: 3, Sheep: 3

##### Frankfort, Frankfort Dierekliniek

Beef: 3, Sheep: 3

##### Villiers, Wilgepoort Veedienste

Beef: 2, Sheep: 3

#### Kwazulu-Natal

##### Bergville, Bergville Veterinary Clinic

Beef: 2

## Trauma



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

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

Beef	1.0 (1)	1.7 (3)			1.0 (3)		1.0 (1)		1.0 (1)
Sheep	1.0 (1)								
Goat		3.0 (1)				1.0 (1)			

#### Mpumalanga

##### Lydenburg, Longtom Dierekliniek

Beef: 1, Sheep: 1

#### Gauteng

##### Bronkhorstspuit, Kerkstraat Dierekliniek

Beef: 1

**Hammanskraal, Themba Animal Clinic**

Beef: 2, Goat: 3

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

Beef: 2

Fractures, 3 cases and one laceration

**Free State****Bultfontein, Greylingrust Dieresprekkamer**

Beef: 1

**Vrede, Saulshoek Direpraktik**

Beef: 1

**Winburg, Winburg Direkliniek**

Beef: 1

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

Goat: 1

fractured radius/ulna

**Eastern Cape****Alexandria, Alexandria Platteland Spreekkamer**

Beef: 1

**Northern Cape****Kimberley, Staatsveeartse Groep NC**

Beef: 1

Kimberley Area

**Traumatic Reticulo-pericarditis**

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

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

<b>Beef</b>		1.0 (1)			1.0 (1)		1.0 (2)		
<b>Dairy</b>						1.0 (1)		2.0 (1)	

**Gauteng****Rayton, Rayton Direkliniek**

Beef: 1

**Free State****Parys, Parys Direhospitaal**

Beef: 1

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

Dairy: 1

**Eastern Cape****Alexandria, Alexandria Platteland Spreekkamer**

Beef: 1

**Steynsburg, Steynsburg Direhospitaal**

Beef: 1

**Western Cape****Darling, Tygerberg Direhospitaal Darling**

Dairy: 2

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