

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

November 2019

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

These reports include data from individual practices

Click on Disease Reports

The following practices and laboratories (110) submitted reports during November 2019:

Mpumalanga (13)

Balfour – Dr. Lous van Jaarsveld
Bethal – Dr. Hardus Pieters
Grootvlei – Dr. Neels van Wyk
Karino – Dr. Silke Pfitzer
Lydenburg – Dr. Marietjie Malan
Lydenburg – Drs. Trümpelmann and Steyn
Malalane – Drs. Van Sittert and Van Sittert
Middelburg – Drs. Erasmus and Bernitz
Middelburg – Dr. Neil Fourie
Nelspruit – Dr. André Beytel
Karino – Dr. Silke Pfitzer
Standerton – Dr. Kobie Kroon
Volksrust – Dr. Johan Blaauw

Gauteng (6)

Bronkhorstspuit – Dr. De Bruin, De Bruin and Labuschagne
Hammanskraal – Dr. Hentie Engelbrecht
Muldersdrift – Drs. Speedy and Enslin
Onderstepoort Veterinary Academic Hospital – Proff. Annandale, Shakespear, Holm, Pettey and Drs, Fitte, Grobler, Hamman, Koepfel, Leask, Mabu, Marufu, Mokoele, O'Dell, Tshuma and Van der Leek
University of Pretoria – Dr. Emily Mitchell
Vanderbijlpark – Dr. Kobus Kok

Limpopo (3)

Modimolle – Drs. Huber, Bredell and Barnard

Mokopane (Potgietersrus)- Dr. Alwyn Venter

Vaalwater – Dr. Hampie van Staden

North West (9)

Brits – Dr. Boshoff and Coertze

Christiana – Dr. Pieter Nel

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

Leeudoringstad – Dr. Ian Jonker

Lichtenburg – Dr. Nelmarie-Krüger-Rall

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

Schweizer-Reneke – Dr. Pieter venter

Stella - Dr. Magdaleen Vosser

Ventersdorp/ Koster –Drs. Benadé and Van der Merwe

Free State (21)

Bloemfontein – Dr. Stephan Wessels

Bultfontein – Dr. Santjie Pieterse

Clocolan – Drs. Wasserman and Basson

Dewetsdorp – Dr. Marike Badenhorst

Excelsior/Ladybrand – Dr. Dedré Nel

Ficksburg – Dr. Woody Kotzé

Harrismith – Drs. Slabber and 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

Reitz – Dr. Murray Smith

Senekal – Dr. Jan Blignaut

Philippolis – Dr. Stephan van Niekerk

Smithfield – Dr. Nienke van Hasselt

Viljoenskroon – Dr. Johan Kahts

Villiers – Dr. D’Wall Hauptfleisch

Vrede – Drs. Myburgh and Bester-Cloete

Vrede – Dr. Rudolph Fourie

Wesselsbron – Dr. Johan Jacobs

Zastron – Drs. Troskie and Strauss

KwaZulu-Natal (14)

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

Eastern Cape (11)

Adelaide – Dr. Steve Cockroft
Alexandria – Dr. Charlene Boy
Alexandria – Dr. Johan Olivier
Aliwal North – Drs. Troskie and Strauss
Bathurst – Dr. Jane Pistorius
Graaff- Reinet - Dr. Roland Larson
Humansdorp – Drs. Van Niekerk, Jansen van Vuuren and Davis
Steynsburg – Dr. Johan van Rooyen
Stutterheim – Dr Dave Watermann
Uitenhage – Drs. Mulder and Krüger
Witelsbos – Dr. Elmien Kotze

Western Cape (21)

Beaufort West - Dr. Jaco Pienaar
Caledon – Drs. Louw and Viljoen
Darling – Drs. Van der Merwe, Adam, Jenkins and Lord
Elsenburg – Dr. Annelie Cloete
George – Drs. Strydom, Truter and Pettifer
Heidelberg – Dr. Albert van Zyl
Malmesbury – Dr. Otto Kriek
Malmesbury – Dr. Andries Lesch
Malmesbury – Dr. Markus Fourie
Malmesbury – Drs. Heyns and Zolner
Malmesbury – Dr. N.J. Heyns
Moorreesburg – Drs. Kotzé and Sheridan
Oudtshoorn – Dr. Glen Carlisle

Oudtshoorn – Dr. Adriaan Olivier
Piketberg – Dr. André van der Merwe
Plettenberg Bay – Dr. André Reitz
Stellenbosch – Dr. Alfred Kidd
Swellendam – Dr. Jacques Malan
Tulbagh/Ceres – Drs. Hamman, Wilson and Triegaardt
Vredenburg – Dr. Izak Rust
Wellington – Drs. Van Zyl and Louw

Northern Cape (5)

Calvinia – Dr. Bertus Nel
De Aar – Dr. Donald Anderson
Kathu – Dr. Jan Vorster
Kuruman – Dr. Gerhard van der Westhuizen
Postmasburg – Dr. Boeta van der Merwe
Upington – Drs. Vorster and Visser

Feedlots (1)

Drs. Morris and Du Preez

Laboratory reports (6)

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

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 antiparasiticides 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!!

The current Foot and Mouth Disease situation in South Africa

12 December 2019

The NAHF with other stakeholders has compiled a list of frequently asked questions on FMD at present in the RSA.

We are attempting to answer as many questions as possible and have made a list of the most FAQ's over the past two weeks to assist the farming community to understand the current situation.

These questions should clear up a number of issues; any further questions can be sent to md@nahf.co.za

PART A: GENERAL QUESTIONS ABOUT THE GOVERNMENT GAZETTE NOTICE 42883

http://www.redmeatsa.co.za/wp-content/uploads/2019/12/Goverment-Gazette-Notice-No.42883_BANNING-OF-AUCTIONS.pdf

1. Is the gazetted notice applicable to the whole country, or only certain areas or provinces?

The notice is applicable to the whole country. The media release of 14 November 2019 mentions only four provinces, but the Government Gazette notice of 4 December 2019 includes the whole of the Republic.

The prohibition is specifically targeted at those areas/premises where cloven hooved animals from two or more sources are gathered or brought together for further distribution to two or more places within a period shorter than 28 days.

2. Is there a movement ban on animals?

There is no ban on the movement of animals in general, although it is advisable that movements should be restricted and discouraged as far as possible. The Gazette Notice does not prohibit the movement of animals. It prohibits the gathering of cloven-hoofed animals, where there are two or more places of origin, and where the intention is to move the animals to two or more destinations, within a time period shorter than 28 days.

3. Are there any restrictions on the movement of animals from one farm to another?

The movement of animals between properties falls outside the scope of this Gazette Notice. The requirements that were applicable prior to the issuing of this notice are still applicable. There is no requirement for a government veterinary movement permit to be issued in terms of this Gazette.

If movements must take place, it is advised that a health declaration for movement is used, which requires veterinary inspection of the animals to be moved to ascertain that they are not showing clinical signs of Foot and Mouth Disease. This assists the seller and buyer of animals to limit potential spread of disease and subsequent liabilities.

<https://www.mpo.co.za/hoe-lyk-n-bees-wat-bek-en-klouseer-het/>

4. Is the prohibition only applicable to auctions, or also to shows?

The prohibition is applicable to any activity where animals are gathered from two or more places of origin, and will be distributed to two or more places of destination, within a period shorter than 28 days. This will include shows in most cases.

5. How long will the prohibition remain in place?

It is not possible to estimate on how long the prohibition will remain in place, but the intention is to make this period as short as possible. The purpose of the prohibition is to prevent further spread of Foot and Mouth Disease in the period when the extent of the outbreak is not yet known. Once no new cases (suspect or confirmed) have been reported for a 28 day period, the Director will re-consider the prohibition.

6. If someone contravenes this gazette notice, must they be prosecuted?

The purpose of this prohibition is to assist with limiting the spread of Foot and Mouth Disease during the current outbreak and prosecution of clients for contravention is not the main focus. Any contravention of this Gazette Notice or the Animal Diseases Act, 1984 (Act No 35 of 1984) may however lead to charging and prosecution of the offender. Civil and criminal liability charges may be laid between private parties that are affected by such contraventions.

7. If an auction is placed under quarantine in terms of this notice, and 28 days have passed, can the auction go ahead once quarantine is lifted?

An auction facility that has been placed under quarantine must comply with the conditions as stipulated in the quarantine notice that has been served. In some cases this may be testing, for example if animals were received from potentially affected areas. Once the quarantine has been lifted, the animals can be distributed.

8. How will live sales in the informal trade be regulated?

The emphasis must be on self-regulation and buyers must be made aware that they must only buy safe animals. Sellers of infected animals open themselves up to prosecution and civil lawsuits, should they cause the spread of FMD.

9. The gazette mentions on point 3 (3) “in the format as prescribed by the director”. Where is the format?

There is no single format for the whole country, since the type of records to be kept may differ with the different farming systems. As a basic standard, the individual identification of animals, dates of arrival onto and movement off the property, details of origin and details of destination will be required. The Provincial Director Veterinary Services may evaluate the records of the client and prescribe additional information to be kept, if necessary to ensure that the records are auditable for the purpose of this gazette.

10. Is the Gazette notice correctly scanned in, since there are so many blank pages?

The Gazette notice consists of: 1. Definitions 2. Objective of control measure 3. (1), (2) and (3) Prohibition on the live auction of cloven hoofed animals in certain areas.

There is a front page (page 1), a contents page (page 3 at the top only), and the two pages containing the information of the notice (pages 4 and 5). Pages 2, 6, 7 and 8 are blank.

PART B: SPECIFIC SCENARIOS

1. If a client is willing to keep all animals isolated at the auction pens for 28 days, can the auction then go ahead after the 28 days?

Yes, provided that:

- The state veterinarian is notified and is in agreement to supervise the entire process.
- The client must be able to prove, through auditable records, that all animals on the premises have been there for 28 days (not only the animals to be auctioned).

- No other animals have been added to the property during this period.
- There must be no clinical signs of Foot and Mouth Disease on the premises.

If these isolated animals show any signs of Foot and Mouth Disease, the auction premises will become a suspect location, must be placed under precautionary quarantine and testing of animals will commence. The animals will not be allowed to move off the quarantine auction facility until quarantine has been lifted, in accordance with the procedures for suspect and/or positive locations.

2. Is transport of animals allowed from farm to abattoir or from a feedlot to an abattoir?

Movement of animals from a farm or a feedlot directly to an abattoir is allowed, as the abattoir is an end-point destination from where the animals will not be distributed. Take note that it is illegal to move animals out of an abattoir facility based on the Meat Safety Act, 2000 (Act No. 40 of 2000).

3. If the client is willing to keep all animals isolated on the farm of origin for 28 days, can they then be sent to an auction to be sold?

The client may apply for exemption from the Gazette Notice to send these animals to an auction. This request for exemption will have to be supported and recommended by the Director(s) of Veterinary Services of the Province(s) involved.

4. Can an auction proceed if a single farmer's livestock is auctioned off, with no external animals added, but with multiple buyers?

Yes, this is allowed since the animals will come from a single origin. The single origin farm must also comply with the requirements of the Gazette notice.

The seller must declare and be able to prove, through auditable records, that no new animals were introduced onto the farm of origin for 28 days prior to movement to the auction. No other animals may be added to the auction property during the period when the seller's animals are there.

5. Are on-farm auctions allowed?

Yes, provided that:

- The state veterinarian is notified and is in agreement to supervise the entire process. • The client must be able to prove, through auditable records, that all animals on the premises have been there for 28 days (not only the animals to be auctioned)
- No other animals have been added to the property during this period
- There must be no clinical signs of Foot and Mouth Disease on the premises

6. Where the location is a feedlot or other farm where the animals are kept until they are slaughter ready (either within 28 days or more), what requirements must be complied with?

Animals may be gathered from different locations to a feedlot or another farm pre-slaughter, if they will move from that feedlot or farm to one location only, which can only be the abattoir. If there is a possibility that the animals may be distributed from the farm or feedlot to several other locations (ie not

to an abattoir), then they must remain on the farm or feedlot for at least 28 days, according to the conditions of Scenario B1 above.

7. Sometimes feedlots select heifers to sell to other farmers, so there is a mix of animals at the feedlot and not all go for slaughter. How will this practise be affected by the prohibition?

Feedlots that sell animals to other farms will be breaking the law unless all animals in the feedlot originate from one source, or if all animals in the feedlot have been on the farm for 28 days, according to the conditions of Scenario B1 above.

<http://nahf.co.za/wp-content/uploads/FMD-Basic-Biosecurity-Guidelines-2019-11-26-Ver-4.pdf>

<http://nahf.co.za/wp-content/uploads/JOINT-MEDIA-STATEMENT-OF-THE-DEPARTMENT-OF-AGRICULTURE-LAND-REFORM-AND-RURAL-DEVELOPMENT-AND-THE-NATIONAL-ANIMAL-HEALTH-FORUM-ON-FOOT-AND-MOUTH-DISEASE-UPDATE-.pdf>

FOOT AND MOUTH DISEASE UPDATE

JOINT STATEMENT OF THE DEPARTMENT OF AGRICULTURE, LAND REFORM AND RURAL DEVELOPMENT AND THE NATIONAL ANIMAL HEALTH FORUM ON FOOT AND MOUTH DISEASE UPDATE – 20 November 2019

<http://nahf.co.za/wp-content/uploads/JOINT-MEDIA-STATEMENT-OF-THE-DEPARTMENT-OF-AGRICULTURE-LAND-REFORM-AND-RURAL-DEVELOPMENT-AND-THE-NATIONAL-ANIMAL-HEALTH-FORUM-ON-FOOT-AND-MOUTH-DISEASE-UPDATE-.pdf>

The Department of Agriculture, Land Reform and Rural Development advises farmers and livestock owners that all parties transacting with cloven-hoofed animals should observe the utmost caution. All gatherings of animals from more than one source (incl. auctions, livestock shows, and speculative transactions) are discouraged until the exact situation is known.

Background

On 1 November 2019, veterinary services were alerted to clinical signs suspicious for Foot-and-Mouth disease (FMD) in a herd of cattle on a farm in the Molemole local municipality of the Capricorn district, Limpopo.

Trace back and trace forward of animals from the positively confirmed herd is underway to determine the extent of the outbreak. So far, at least 5 properties have been confirmed.

A Technical Task Team has been established by the Honourable Minister, consisting of DAFF Veterinary officials, Provincial Veterinary officials as well as industry commodity groups led by the National Animal Health Forum and experts in the specific disease.

FMD is a highly contagious viral disease that affects cattle, pigs (domestic and wild), sheep, goats, and other cloven-hoofed animals. Signs of disease in animals may include depressed animals, sores in the mouth of animals causing reluctance to eat, and lameness.

FMD may show no clinical signs for up to 14–21 days when animals are infected. For this reason, it is very difficult to ascertain if the animals are infected by visual inspection alone.

Trace back and trace forward thus far linked infected animals to an auction facility in Limpopo Province and it has been confirmed that at least five commercial facilities have been affected as a result. More properties that purchased animals at the same auction could be affected.

All known infected properties have been placed under quarantine, suspect properties under precautionary quarantine; plans to resolve the situation are being implemented.

Movement of cloven hooved livestock

1.If at all possible, live cloven hooved animals should not be moved until the current situation has been stabilised. Only transport animals that are healthy and destined for immediate slaughter.

2.All buyers of animals should ensure that the animals purchased are free of disease, especially free of FMD. Any transaction of cloven-hoofed animals should be accompanied with a veterinary health certificate issued by a veterinarian

3.It should be noted that FMD virus can remain viable in the environment for a few days. Thus, any transport vehicle should be thoroughly cleaned and disinfected away from any animals before animals are loaded.

Vehicles used to transport animals to abattoirs should thus be thoroughly cleaned and disinfected before leaving the abattoir premises.

Please note that in terms of Section 11 of the Animal Diseases Act, 1984 it is the responsibility of “any owner or manager of land on which there are animals ...take,... all reasonable steps to prevent the infection of the animals with any animal disease, or parasite and the spreading thereof from the relevant land or animals...”.

Anyone spreading FMD through the movement of animals may thus be held civilly and or criminally liable for such offence.

Biosecurity

Any person having had contact with possibly infected animals should take all precautions necessary to change clothing and footwear before handling other cloven-hoofed animals.

Anybody that is unsure of the above advice should please contact their local state or private veterinarian for biosecurity guidance and/or assistance to develop a biosecurity protocol for their farm.

Adherence to the above advice will assist DALRRD, Veterinary Services Limpopo, and farmers to resolve the situation. It is vital that all stakeholders act reasonably and responsibly and according to the law at all time.

All animal owners are encouraged to stay well informed.

Visit: www.nahf.co.za for the FMD-Basic Biosecurity Guidelines.

The disease does not affect human beings and it is safe to consume products of cloven-hoofed animals, such as meat and milk.

Alternative options

Electronic auctions or one-on-one transactions of cloven-hoofed animals (including wildlife) could be considered between producers if all biosecurity protocols, quarantine measures, veterinary health certificates, individual animal identification, as well as traceability back to source are implemented before any transaction takes place.

For more media inquiries contact: Reggie Ngcobo - Media Liaison Officer Mobile: 082 883 2458 The technical spokesperson on FMD is Dr Botlhe Modisane Mobile: 063 693 0330

Biosecurity guidelines

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

1. During a FMD outbreak it is the producer's responsibility to keep their animals from getting infected.
2. Although FMD does not pose a food safety or public health concern it has a major impact on animal health and international trade.
3. Each commercial farm should appoint a biosecurity manager.
4. A written biosecurity plan is a basic requirement.
5. Development of a plan must be done by the biosecurity manager with assistance from a veterinarian.
6. The biosecurity plan must include a line of separation/demarcation of the biosecurity area.
7. Training:
 - a. Train all personnel in biosecurity principles at least annually.
8. Access:
 - a. Access points to the area must be identified and demarcated clearly.
 - b. Loading site must be identified away from animals.
 - c. A cleaning and disinfection station needs to be made available and should be away from any animals and an SOP for cleaning of all vehicles entering the biosecurity area must be adhered to.
 - d. Parking areas away from animal areas must be provided.
 - e. Vehicle movement pathways must be mapped.
 - f. Draw up a map demarcating all these areas.
 - g. The control boundary should always be respected and identified to all personnel.
 - h. No access of vehicles or personnel to the biosecure area unless via proper decontamination protocols. People with any suspected contact with infected animals (or having been in an affected area) should stay away from "clean animals for at least a week.

i. Access points should be respected, well demarcated and procedures of access described. Biosecurity Guidelines-FMD 2019-11-19 2

j. Animals arriving on the farm should only be directly from a guaranteed healthy herd accompanied by signed and dated veterinary health certificates.

k. Personnel entering the biosecure area should shower and change clothing before entering the area.

l. Logbooks of all persons, vehicles, equipment etc entering or leaving the biosecure area should be kept.

m. No entry of persons, vehicles or products should be allowed if not expressly permitted by the biosecurity officer.

n. Feed brought into the biosecure area should only be from sources determined by the biosecurity manager.

o. For further information go to www.securebeef.org

9. Quarantine:

a. For extra security cattle should be quarantined at least 100 meters for 21 days away from the herd.

b. There will be absolutely no contact with the herd either directly or indirectly.

c. They should only be introduced after clinical (and preferably serological) evaluation.

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

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 necessary 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 county and who were poorly serviced by DAFF before 1994. To rely of 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**

Table 1: Agricultural support paid by government to individual producers as a subsidy in USD Dollar. It shows that the subsidies have markedly decreased to producers for most countries. It also shows the disparity in subsidy between the European countries and countries such as South Africa and New Zealand. [Editor, use the countries highlighted in yellow]

PSECSE indicator		Producer Support Estimate (PSE)					
Unit		USD mn					
Time		2010	2011	2012	2013	2014	2015
Country		▲ ▼	▲ ▼	▲ ▼	▲ ▼	▲ ▼	▲ ▼
Australia		1 293.36	1 576.49	1 007.60	1 085.69	721.51	588.80
Canada		7 069.26	7 417.94	7 519.67	5 352.70	5 043.25	4 289.26
Chile		287.33	356.12	402.34	420.32	417.32	400.21
Iceland		124.21	139.73	151.28	146.52	191.97	196.24
Israel		931.62	1 022.13	671.66	542.55	832.34	1 032.69
Japan		56 262.97	60 352.54	65 452.28	50 223.07	43 484.87	33 509.48
Korea		16 967.88	21 007.20	20 412.82	21 483.72	21 774.73	20 117.93
Mexico		6 371.33	6 782.52	6 737.65	6 665.51	6 626.31	5 163.55
New Zealand		99.77	162.48	144.97	129.56	133.36	101.25
Norway		3 618.47	4 016.32	4 278.60	3 918.65	3 948.60	3 252.50
Switzerland		5 792.56	6 801.29	6 691.12	6 300.80	7 313.64	7 737.55
Turkey		22 021.68	19 437.33	17 137.66	15 208.04	14 681.40	11 568.57
United States		30 774.35	32 683.81	35 993.12	29 020.14	43 571.84	38 784.56
European Union (28 countries)		104 901.85	108 988.43	110 542.61	120 825.51	108 213.78	89 986.99
OECD - Total		249 378.90	262 840.53	270 316.26	252 918.49	247 678.80	211 982.25
Brazil		9 283.76	11 473.51	6 872.98	6 193.20	7 280.35	4 092.12
China (People's Republic of)		135 996.90	112 929.08	219 170.10	263 843.94	275 581.25	307 394.82
Colombia		4 426.81	4 843.88	6 151.77	5 888.89	4 795.67	3 484.26
Indonesia		23 950.63	19 119.89	23 176.10	27 153.71	31 871.48	35 969.07
Kazakhstan		966.94	1 795.07	2 124.33	2 173.43	1 489.14	1 988.10
Russia		16 192.70	15 070.97	14 137.21	14 470.78	15 248.03	..
South Africa		338.47	549.74	712.53	569.78	499.61	697.51
Ukraine		2 035.11	-745.30	559.65	-1 395.82	-3 095.76	-1 823.59
Viet Nam		3 097.10	2 754.17	2 696.91	946.19	-532.35	205.97

Table 2: National Marketing Council Report on Statuary levies implemented. The Table shows that the Red Meat Sector has the lowest statutory levy of all the Agricultural sectors in South Africa. [Editor, this is Table 2}]

TABLE 5: TOTAL AMOUNT OF STATUTORY LEVIES COLLECTED

Product	Levy income	Total value of product at the first point of sale *	Levy income as a percentage of the value of the product	Levy collection rate
	R	R	%	%
Citrus (exported)	54 199 844	11 241 576 908	0.5 %	100
Cotton lint	1 933 555	168 000 000	1.2 %	100
Dairy products	46 585 458	9 754 000 000	0.5 %	113
Deciduous Fruit	94 130 207	5 402 611 877	1.7 %	97
Dried fruit	5 816 018	569 626 735	1.0 %	98
Fynbos (proteas)	367 495	59 818 787	0.6 %	98
Lucerne	2 443 252	268 898 000	0.9 %	75
Macadamias	11 551 652	276 000 000	4.2 %	98
Olives	871 754	66 043 180	1.3 %	56
Pecan nuts	1 571 913	651 000 000	0.2 %	97
Pork	24 737 146	4 772 306 000	0.5 %	106
Potatoes	38 203 447	7 100 000 000	0.5 %	98
Red meat	34 782 190	29 900 000 000	0.1 %	98
Sorghum	2 074 028	345 422 500	0.6 %	100
Table grapes	21 502 612	5 000 000 000	0.4 %	100
Wine	87 210 168	4 727 000 000	1.8 %	100
Winter cereals	61 861 825	7 663 128 367	0.8 %	104
TOTAL	489 842 564	87 965 432 354	0.6 %	96

*as provided by levy administrators

Sources

<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.htmlBy

<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 November 2019

110 Reports from veterinary practices and laboratories were received (Mpumalanga (MP) 13; Gauteng (G) 6; Limpopo (L) 3; Northwest (NW) 19; Free State (FS) 21; KwaZulu-Natal (KZN) 14; Eastern Cape (EC) 11; Western Cape (WC) 21; Northern Cape (NC) 5; Feedlots (FL) 1 and Laboratories (Lab) 6)

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

Disease or condition	Number of provinces reporting
Dystocia (difficult calving)	8
Protein deficiency	8
Energy deficiency	8
<i>E. coli</i>	8
Lameness	8
Coccidiosis	7
Selenium deficiency	7
Abscesses	7
Diarrhoea	7
Mastitis	7

Downer animal	
Wireworm	6
Tapeworms	6
Cryptosporidiosis	6
African red water	6
Asiatic red water	6
Anaplasmosis	6
Heartwater	6
Pulpy kidney	6
Ringworm	6
Acidosis	6
Retained afterbirth	6
Vaginal prolaps	6
Roundworms	5
Blue ticks	5
Bont-legged ticks	5
Red-legged ticks	5
Nuisance flies	5
Blackquarter	5
Botulism	5
Orf	5
Warts	5
Abortions	5
Bloat	5

Blue udder	5
Joint ill	5
Metritis	5
Uterine prolaps	5
Lightning	5
Drought	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. | YES | NO |
| 2. The sheep for sale are clearly identified in the accompanying description. | YES | NO |
| 3. The sheep for sale were born on my farm. | YES | NO |
| 4. The farm has a closed flock policy. (No live sheep are brought onto the farm from elsewhere) | YES | NO |
| 5. I know the signs of the disease and to the best of my knowledge, all of my properties are free of cases of Ovine Johne's Disease. | YES | NO |
| 6. I have actively looked for Ovine Johne's Disease and have had tests done for this. | YES | NO |
| 7. To the best of my knowledge, my immediate neighbours and farms in my magisterial district of my farm(s) are free of cases of Ovine Johne's Disease. | YES | NO |

8. The sheep on my properties have been vaccinated against Ovine Johne's Disease and are clearly marked with the approved ear tag.	YES	NO
9. All lambs born are vaccinated	YES	NO
10. If vaccinated, the number of years that the vaccinations have been done is		years
NOTE: Vaccination does not mean freedom from OJD, vaccinated animals can still be carriers. Statement 8 and 9 apply only to already infected flocks, and such sheep can only be sold to other infected flocks by law. Buyers should consult their veterinary advisor before any purchases.		

Signature _____

Date _____

NAME _____

Farm: _____

District: _____

OWNER OR AUTHORIZED REPRESENTATIVE

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



SOP for the control of Bovine Brucellosis

Audit date: _____

Authorised person: _____

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

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

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

National Animal Health Forum

www.nahf.co.za

Read what the Forum is all about:

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

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

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

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

Provincial Animal Health Forums have their own site – click on **Provinces** <http://nahf.co.za/provinces/>

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

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

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

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

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

This link will continuously be updated.

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

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

Rural Veterinary Association of South Africa

www.ruvasa.co.za

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

Landbouweekblad's webpage

www.landbou.com

[Kundiges](#)

[Vra vir Faffa](#)

[Lees alle antwoorde](#)

[Beeste](#)

[Siektes](#)

[Brusellose](#)

The following can be typed in the "Soekblokkie"

Stop Brusellose

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

Rapportering aan bure of ander eienaars oor die voorkoms van brusellose

Inligting oor brusellose op die NAHF se webblad

Kuddebestuur voor die dekseisoen

Bees Brusellose handleiding

Teenliggaamwaardes om beesbrusellose in koeie te bepaal

Veterinêre Strategie 2016 -2026

'n Dosyn dinge wat jy moet weet van beesbrusellose

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

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

Vervoer van diere uit 'n positiewe brusellose kudde

Beheer van brusellose in 'n beeskudde

Boerderypraktyke wat die gevaar van die voorkoms van brusellose verhoog

Pak brusellose by die horings

Brucellose kan jou lewe verwoes

Brusellose in wild

Bestuur van positiewe besmetlike misgeboorte beeste

Aankoop van beeste wat besmetlike misgeboorte het

Antwoorde oor brusellose

Behandeling van besmetlike misgeboorte

Besmetlike misgeboorte uitbreek in 'n kudde

Gevaar van brusellose onderskat

RB51-inenting teen brusellose in dragtige koeie

Alles oor Besmetlike Misgeboorte (BM)

Kompensasie vir BM en TB positiewe beeste?

Nóg vrae oor besmetlike misgeboorte

Koeie positief getoets vir besmetlike misgeboorte

Vrae, antwoorde oor besmetlike misgeboorte

Brucellose: Wat staan ons te doen?

Internal parasite control

www.wormx.info

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

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

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

Insist on VENDOR'S DECLARATIONS when buying animals.

Quarantine

Immunization programmes

Speak to your veterinarian

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

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

Internal parasites

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

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

Schistosomiasis (bilharzia)									
Coccidiosis	x			x	x	x	x	x	x
Cryptosporidiosis	x	x		x	x	x		x	

Welcoming rain has fallen in some areas, this will soon result in parasite outbreaks. Young and pregnant animals are the most vulnerable! 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.



Holistic internal
parasite manager

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

https://docs.wixstatic.com/ugd/aded98_cb447e77eef6450f93a2b23cb0e6b9de.pdf

www.wormx.info

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

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

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

Prevention of Cryptosporidiosis

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

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

Ensure no nutritional deficiencies especially vitamin A and Selenium

Excellent bio-security

Gedoeelstia (uitpeuloogsiekte)									
Nasal bot	x								

Tick infestations are on the increase after rains fell in the summer rain-fall areas. Blue ticks (African and Asiatic blue ticks) are able to transmit red water, anaplasmosis and lumpy skin disease.

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

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

Discuss your tick control programme with your veterinarian, especially in areas where summer rains fell. Below is a list of diseases transmitted by ticks.

Tick borne diseases

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

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

Asiatic red water (6 provinces) 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.

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 7 provinces and vibriosis fom 4 provinces.**

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:

Bacterial diseases	MP	G	L	NW	FS	KZN	EC	WC	NC
Anthrax									
Blackquarter	x			x	x	x	x		
Botulism	x			x	x			x	x
Pulpy kidney	x	x		x	x		x	x	
Lamb dysentery							x		
Swelled head					x				
Red gut (cattle)	x				x	x			
Blood gut (sheep)					x				
Tetanus					x		x		

BMC (snotsiekte)		X		X	X				
Rabies (cattle)				X					
BVD								X	
IBR						X		X	
BRSV									
PI3									
Maedi visna virus									
Rotavirus / Coronavirus				X	X	X	X		
Enzootic bovine leucosis (EBL)						X	X		
Sheep leucosis									
Jaagsiekte									
Orf				X	X	X	X	X	
Warts	X	X			X	X		X	
Herpes mammillitis									

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

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

Keep cattle and wildebeest well separated especially when wildebeest are under stress to prevent snotsiekte outbreaks! There is also a sheep associated form of the disease. Discuss vaccination programmes and biosecurity measures with your veterinarian.

Fungal diseases

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

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

Photsensitivity				x					
Lusern									
Mycotoxycosis								x	
Apergillus									
Aflatoxin									
Diplodiosis									
Lupins									
Harpuisbos									
Syringa berries									
Acorn									
Cycad									
Kraalbos, Geelbos (<i>Galenia africana</i>)									
Radish									
Carrot poisoning									
Onion poisoning									
Bracken fern									
Pollen beetle (<i>Astylus atromaculatus</i>)									
Water contamination									
Nitrate									
Tannins									
Urea		x				x	x		x
Salt									
Wet carcasse syndrome									
Snake bite					x				

Hypo									
Diazinon									
Glyphosate									
Chicken litter									

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*).

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	x	x	x	x
Protein	x	x		x	x	x	x	x	x
Phosphate		x		x	x				x
Calcium	x					x	x	x	

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

Drought conditions are still present in many 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
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Iodine									
Copper		X				X	X	X	
Zinc						X			
Selenium	X			X	X	X	X	X	X
Magnesium					X				
Manganese									
Vitamin A	X			X	X				
Vitamin B 1							X	X	

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

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

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

Beware of fluoride poisoning as borehole water levels drop.

Supplement animals with vitamin A and Zinc during drought conditions.

Multifactorial diseases and other conditions

The following conditions were reported by practices in the provinces

Multifactorial diseases and other conditions	MP	G	L	NW	FS	KZN	EC	WC	NC
Abortions	X			X	X	X		X	
Stillbirths					X	X			X
Abscesses	X	X		X	X	X	X	X	
Intestinal ulcers									
Bladder stones –urolithiasis				X	X				
Blindness					X	X	X	X	

Bloat	x	x		x		x		x	
Blue udder		x			x	x	x	x	
Diarrhoea	x	x		x	x	x	x	x	
Epididymitis					x				
Eye cancer					x	x		x	
Eye infections	x	x		x	x	x	x	x	
Vestibular syndrome (middle ear infection)									
Skin lymphoma									
Joint ill	x			x	x	x	x		
Cystitis									
Lameness/foot problems	x	x		x	x	x		x	
Lung infection	x	x		x	x	x	x	x	x
Mastitis	x	x		x	x	x	x	x	
Navel ill	x				x	x		x	
Umbilical hernia									
Red gut (sheep, torsion of gut)							x		
Rectal prolaps									
Rumen stasis		x							
Abdominal impaction									
Abdominal hernia									
Floppy kid synrome									
Swelsiekte									
Traumatic reticulo-pericarditis		x		x					
Trauma					x			x	

Teeth wear									
Plastic bags (ingestion)									
Downer	x	x			x	x	x	x	x
Anaphylactic shock									
Vestibular syndrome (middle ear infection)									
Hernia									
Deformaties									

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	
Ketosis (Domsiekte)		x			x	x		x	
Milk fever					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

Endometritis					X	X		X	
Metritis				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			
Uterine prolaps	X	X			X	X		X	
Vaginal prolaps	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		X	
Lightning	X	X		X	X	X			
Electrocution									
Drought	X				X	X	X		X

Other conditions

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

In the CODE OF CONDUCT of the RPO the following standard operating procedures are documented. The local veterinarian should be your partner to help you achieve the necessary standards.

<http://www.rpo.co.za/BestPractices/English.aspx>

PRECAUTIONARY MEASURES TO SUPPORT BIO-SECURITY.

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

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

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

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

Have there been any recent disease outbreaks in the location?

Do brand marks clearly confirm ownership?

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

Is a veterinarian supported control program against transmittable diseases followed?

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

Dates and tests for zoonotic diseases

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

2. PURCHASES FROM SALES OR SPECULATORS

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

Visually inspect the animals before purchasing for:

* brand marks

* parasite infestation

3. TRANSPORT TO THE FARM

Use only reputable transporters

Has the truck been cleaned and disinfected?

Truck to follow the shortest uninterrupted route

Truck to take the shortest route to the handling facilities

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

4. ARRIVAL ON THE FARM

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

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

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

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

Inspect regularly

5. FEED PURCHASES

Ensure bales of hay are sourced from areas that are not bordering scheduled areas

Purchase feed from reputable dealers only

Avoid buying feed in second hand bags

Ensure feed trucks are also disinfected and cleaned, especially if also used to transport animals to abattoirs

6. VISITORS

Do not allow strangers or their vehicles amongst the livestock

Ensure fences are well maintained and preferably jackal and warthog proof

7. EMPLOYEES

Do not allow the employees to eat in feed stores

Supply employees with sufficient ablution facilities

Regularly arrange to let employees be medicated for tape worm and have health check-ups

Keep record of all employee livestock on the property

Treat employee livestock with separate but dedicated health programs

Ensure employees understand the reason behind the implemented bio-security measures to help ensure compliance.

GENERAL AND REPRODUCTION MANAGEMENT

Record keeping: All animals are individually identified and recorded.

To prove ownership: All animals are marked with the registered brand mark according to the Animal Identification Act, No 6 of 2002.

A defined breeding season is the basis of effective management: The breeding season coincides with the rainy season, i.e. the period when nutritive value of the pasture is at its best.

Sufficient energy reserves in the herd as measured by condition scoring are vital, especially for effective breeding, and when inadequate the herd is supplemented in consultation with a nutritionist: Condition scoring of bulls and cows are regularly done, particularly at the onset of the breeding season and supplemented if necessary.

Bull - cow ratios are maintained: A ratio of 1 to 25 is maintained in every separate herd.

Fertility of breeding bulls: All breeding bulls are tested for mating ability and semen quality before the breeding season.

Sexually transferable diseases: Sheath washes or scrapes on bulls are performed annually.

Diseases that can cause poor conception, abortion or weak calves: Cows are vaccinated against such diseases in consultation with the veterinarian.

Breeding success monitored by a veterinarian: Rectal pregnancy or scan diagnosis is done by the veterinarian 8 weeks after the breeding season.

Twenty percent of cows or more not pregnant: Further tests are done to determine cause of low pregnancy rate.

Culling of non-pregnant cows: Non-pregnant cows are removed from the herd and considered a necessary bonus to supporting herd income.

HERD HEALTH AND BIO-SECURITY

Maintenance of herd health is key to a successful enterprise: A veterinarian should visit the farm bi-annually at least.

Calf mortality before 3 months of age is an important reason for poor weaning percentage: Good management practices are applied to limit early calf deaths.

Some diseases and parasites (internal and external) are more often encountered in specific areas: Annual vaccinations and a parasite control program should be applied according to regional requirements and in liaison with the veterinarian.

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

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

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

Stock remedies and medicines should be registered, correctly stored and used before the transpire date:

All medicines and stock remedies are registered, stored and applied according to prescription.

Prescribed medicines with a specific application are under the control of the veterinary profession: All prescription medicines are obtained and applied under prescription from a veterinarian.

Practices that had nothing to report

Cape Town – Dr. Sophette Gers

Camperdon – Dr. Anthony van Tonder

Humansdorp – Drs. Van Niekerk, Jansen Van Vuuren and Davis

Malalane – Drs. Van Sittert and Van Sittert

Mokopane – Dr. Alwyn Venter

Nelspruit – Dr. Silke Pfitzer

Plettenberg Bay – Dr. André Reitz

Stellenbosch – Dr. Annelie Cloete

Tulbagh - Dr. Dirk Trichardt

Volksrust – Dr. Johan Blaauw

Vanderbylpark- Dr. Kobus Kok
Wellington – Dr. William van Zyl

Ostriches

Western Cape

Oudtshoorn

Bont-legged ticks	3 - Drought stricken Karoo farmers take on ostrich rearing – severe tick infestations and challenges
Nuisance flies	2 - In ostriches we see insect associated pitting on the skins/ hides when we tan. Superficial epidermal erosions
Midges	2 - In ostriches we see insect associated pitting on the skins/ hides when we tan. Superficial epidermal erosions
Enterotyphlocolitis necrotic	3 - New season chicks – from day 3-14 . Stress trigger like heat. Acute mortalities, early treatment effective, if poor response with primary antibiotic course you are in for a rough ride. Rapid resistance, constant diarrhoea and poor doers.
<i>Mycoplasma</i> - Airsacculitis	2 – Cold/ immune compromise and dust – micoplasma, going over into secondary infections <i>E. coli</i> etc.
Cryptosporidiosis	2 - Chicks soil ingestion on wet spots/ stress displaced behaviour, cold weather keeping indoors for longer than expected.
Diarrhoea	2 - Displaced behaviour of return growers – sand ingestion – mechanical diarrhoeas
Stock theft Feather theft	3 - Rural communities are struggling – theft for food. BUT also syndicate targeting feathers on live birds and even killing them due to high price and value of feathers currently. Associated feed refusal/ trauma/ muscle damage etc.

Equines

Gauteng
Muldersdrift

Babesiosis - 2

Limpopo

Modimolle

Wireworm – 2 Sable with severe infestation

Wireworm – Buffalo herd with moderate infestation (accidental finding)

Game

Limpopo

Modimolle

Wireworm – 2 Sable with severe infestation

Wireworm – Buffalo herd with moderate infestation (accidental finding)

Northern Cape

Kathu

Energy deficiency - 1

Monthly report on Livestock and Wildlife isolations for October 2019 from Vetdiagnostix –Microbiology Laboratory, supplied by dr. Marijke Henton

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

There were 27 cases of *E. coli* [seven were ESBL positive] from calves, three with *Cryptosporidium*; 5 from lambs [one was ESBL positive] and one of them was with *Cryptosporidium*, and three from pigs. Extended Spectrum Beta Lactamase [ESBL] isolates are resistant to all penicillins and cephalosporins, and usually to many other antibiotics as well.

The virulence tests for four of the *E. coli* isolates were positive. One bovine *E. coli* was positive for *eaeA*, which results in the loss of microvilli in the gut, leading to watery chronic diarrhoea, with a decrease in nutrient absorption.

One lamb *E. coli* was CNF 1 positive, which is a necrotizing toxin, leading to enteritis and septicaemia.

One pig *E. coli* isolate was positive for both *stx2e* and F18, both of which are markers for oedema disease. Another pig isolate was positive for *StaP* and *Stb* which are heat stable toxins affecting fluid absorption and sodium secretion in the intestine. Vaccines prepared from strains of *E. coli* which harbour virulence factors are usually protective.

Other causes of bovine enteritis were *Salmonella* Dublin and *S. Typhimurium* in calves and *Clostridium perfringens* type A. *Salmonella* Dublin also caused septicaemia in two cases, one of which was an ESBL strain.

Respiratory tract disease yielded *Mannheimia haemolytica*, *Pasteurella multocida* and *Histophilus somni* in cattle.

Clostridial myositis cases were positive for *C. novyi* [4] and *C. chauvoei* [5] in cattle, and *C. novyi* in a pig. One of the cattle cases was negative for *Clostridium*, but showed Gram positive cocci on one of the submitted smears. A pure growth of *Staphylococcus pseudintermedius* was isolated from the muscle of that case.

Intractable cases of bovine mastitis yielded *Klebsiella pneumoniae* in one case, and an environmental *Mycobacterium* in another. The high producing Jersey cow with the *Mycobacterium* was kept under unhygienic conditions, and a subsequent milk sample from the same quarter yielded *Mycobacterium* in pure growth again.

A bull with pus in his semen yielded *Trueperella pyogenes*. *Trueperella pyogenes* was also isolated from an abscess in a goat, and from pigs showing septicaemia.

Blue udder in sheep yielded *Mannheimia haemolytica*.

Pyoderma in a goat yielded a methicillin resistant *S. pseudintermedius* and *Pseudomonas aeruginosa*.

Monthly report for November 2019 from Dr R D Last (BVSc; M.Med.Vet(Path);

MRCVS)

Specialist Veterinary Pathologist, Vetdiagnostix - Veterinary Pathology Services

LIVESTOCK DISEASE SURVEILANCE			
LIVESTOCK SPECIES	DISEASE AGENT	NO. CASES	LOCATION
BOVINE	MALIGNANT OEDEMA	1	VOLKSRUST, MPUMALANGA
BOVINE	PASTEURELLOSIS <i>MANNHEIMA HEMOLYTICA</i>	1	VOLKSRUST, MPUMALANGA
BOVINE, CALVES	<i>SALMONELLA</i> DUBLIN PARATYPHOID	1	HUMANSDORP, E.CAPE
BOVINE ADULTS	<i>CESTRUM</i> POISONING	1	KEI RIVER, E. CAPE
BOVINE CALVES	ESBL MULTI-DRUG RESISTANT <i>E. COLI</i>	1	CLOCOLAN, FREE STATE
BOVINE, NEONATE	IN-UTERO ANAPLASMOSIS	1	BETHLEHEM, FREE STATE

WILDLIFE DISEASE SURVEILANCE			
WILDLIFE SPECIES	DISEASE AGENT	NO. CASES	LOCATION
Loggerhead Turtle, Adult	Blood fluke (Spirorchiid)	1	St Lucia, KZN
White rhino calf	Cachexia	1	Mtuba, KZN

Feedlot report received from Drs. Shaun Morris and Eben du Preez for November 2019 (edupreez1@telkomsa.net)

Condition	Comments and Specie
Intestinal roundworms	O 3
Liver fluke worms	B 3
<i>Parafilaria</i>	B 3
Cysticercosis	B 3
Cryptosporidiosis	B 3, O 2
Blue ticks	B 3
Red-legged ticks	B 3, O 3
Bont-legged ticks	B 3
Blowflies	B 1, O 3
Heartwater	B 3
Anaplasmosis	B 1
Red gut	B 3
Blood gut	O 3
Pulpy kidney	O 3
<i>E. coli</i>	B 2, O 2
Ringworm	B 3
IBR	B 3
Warts	B 3
Urea poisoning	B 2
Gifblaar	B 3
<i>Lantana</i> poisoning	B 1
Ergot poisoning	B 3
Protein deficiency	B 3, O 3

Energy deficiency	B 3, O 3
Phosphate deficiency	B 3, O 3
Calcium deficiency	O 3
Vitamin A deficiency	B 3, O 3
Vitamin B 1 deficiency	B 3, O 3
Copper deficiency	B 3
Selenium deficiency	B 3, O 3
Acidosis	B 3, O 3
Blue udder	O 3
Joint ill	B 3
Lameness	B 3, O 1
Lungs	B 3, O 3
Diarrhoea	B 3, O 3
Eyes	B 3, O 3
Abscesses	B 3, O 3
Abortion	B 2
Dystocia	B 3
Heat stroke	B 3
Trauma	B 3, O 3
Traumatic pericarditis	B 1
Pericarditis	B 3
Deaths reported by farmers: Cattle: anaplasmosis, pneumonia , acidosis, gifblaar	

Sheep: acidosis, pneumonia, protein, energy malnutrition (PEM)	
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Monthly report on Livestock and Wildlife isolations for October 2019 from IDEXX Laboratories supplied by dr. Liza du Plessis (Liza-DuPlessis@idexx.com)

Condition	Comments and Specie
Cryptosporidiosis	B 1, O 1
Coccidiosis	O 1
Red gut	G 1
Pulpy kidney	C 1
<i>E. coli</i>	B1, O1, G 1
Septic bacterial infection	B 2
Bacterial enteritis	B 1, O 1, P 1
Abscesses	G 1
BMC (snotsiekte)	B 2
Lung infection - bacterial	B 2, C 1
Rhabdomyolysis (muscle condition)	E 1
Equine sarcoid	E 2
Acidosis	B 1, G 1
Protein/Energy malnutrition	G 1
Copper toxicity	O 2



Section of Pathology
Department of Paraclinical Sciences
Faculty of Veterinary Science

18th Dec, 2019

DAFF

Import/Export Policy Unit Subdirectorate

Monthly report: Faculty of Veterinary Science cases
Wildlife cases sent to referring veterinarians between 25th Oct and 18th Dec 2019

Cases from State vet Skukuza or Orpen (none)

Cases imported with master permit (none)

PM Date	Species	Final	Histo No
14-Oct-19	Cheetah	Gastritis monitoring; peripheral giant cell granuloma	S3321-19
15-Oct-19	Lion	Endometrial hyperplasia	S3338-19
15-Oct-19	Lion	Endometrial hyperplasia, adenomyosis	S3339-19
18-Oct-19	Nile Crocodile	Mycoplasma polyarthritis	S3365-19
21-Oct-19	Cheetah	Nasal and meningeal cryptococcosis	S3389-19
23-Oct-19	Reedbuck	Traumatic injury	S3463-19
08-Nov-19	African Buffalo	Traumatic reticulopericarditis	S3609-19
11-Dec-19	Black crested Sulawezi macaque	Colitis and aspiration pneumonia	S3972-19

Kind regards,

A handwritten signature in purple ink that reads 'Emily Mitchell'.

Prof. Emily Mitchell

DISEASE DISTRIBUTION REPORT AS REPORTED BY VETERINARIANS

Table of Contents

<u>Internal Parasites</u>	Roundworms in general , Resistant Round Worms , Wireworm , Brown stomach-worm , Eye worm (<i>Thelazia rhodesii</i>) , Tape Worms , Parafilaria , Liver fluke , Conical Flukes , Cysticercosis
<u>External Parasites</u>	Blue ticks , Resistant blue Ticks , Heartwater (Bont) ticks , Brown ear-ticks , Bont-legged ticks , Red-legged ticks , Paralysis ticks , Biting lice (red lice) , Sucking lice (blue lice) , Scab mites , Mange Mites , Nuisance Flies , Blowflies , Screw-worm , Nasal bot larvae , Midges , Mosquitoes
<u>Tick-borne Diseases</u>	African red water , Asiatic red water , Anaplasmosis , Heartwater , Sweating Sickness
<u>Insect Transmittable Diseases</u>	Lumpy skin disease , Three-day-stiffsickness , Blue tongue , Nagana
<u>Venereal Diseases</u>	Trichomonosis , Vibriosis
<u>Bacterial Disease (other)</u>	Blackquarter , Botulism , Pulpy Kidney , Lamb dysentery , Swelled head disease , Red gut (cattle) , Blood gut (Sheep) , Tetanus , Salmonellosis , Brucella abortus , Brucella ovis , Septicaemia , E. coli , Intrauterine Gangrene , Fusibacterium necrophorum , Other , Pasteurellosis
<u>Protozoal diseases (other)</u>	Coccidiosis , Cryptosporidium
<u>Fungal diseases</u>	Ringworm
<u>Viral Diseases (other)</u>	BMC , Rabies , BVD (Bovine viral diarrhoea) , IBR (Infectious bovine rhinotracheitis) , Enzootic Bovine Leucosis (EBL) , Orf , Warts , Rota virus , Corona Virus
<u>Poisonings (Plant) and Fungal</u>	Cardiac glycoside poisoning , Cestrum , Facial eczema , Geeldikkop/Dikoor , Gifblaar , Lantana , Prussic acid poisoning , Seneciosis , Tulip Poisoning , Mycotoxicosis , Other
<u>Poisonings</u>	Urea Poisoning , Snake Bite , Chemical products
<u>Macro Nutritional Problems</u>	Energy deficiency , Protein deficiency , Phosphate deficiency , Calcium deficiency
<u>Micro Nutritional Problems</u>	Copper deficiency , Zinc deficiency , Selenium deficiency , Magnesium deficiency , Vitamin A deficiency , Vitamin B1 deficiency
<u>Multi-factorial Disease Conditions</u>	Abortions , Stillbirths , Abscesses , Abscesses in general , Bladder stones , Blindness , Bloat , Blood gut (sheep and goat) , Blue udder , Diarrhoea , Epididymitis , Eye Cancer , Eye infections , Joint

	Ill , Lameness/Foot Problems , Lung infection , Mastitis in general , Navel Ill , Red gut (Sheep) , Trauma , Downer , Other , Wet carcasses Yellow carcasses at abattoir
Metabolic Diseases	Acidosis , Displaced abomasum , Ketosis , Milk Fever
Reproductive diseases	Dystocia (Difficult Births) , Endometritis , Metritis , Poor conception , Retained afterbirth , Sheath Prolaps , Uterus prolaps , Vaginal (Cervical) prolaps
Climatical Cause	Cold exposure , Drought , Heat stress , Lightning
Non specific diseases	Cause of death not established , Genetic disorders , Preditors , Sabotation/Theft , Trauma , Traumatic Reticulo-pericarditis

Internal Parasites

Roundworms in general

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (2)				2.3 (7)	1.6 (9)	2.4 (5)	2.3 (6)	

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

Beef						1.5 (4)		3.0 (1)	
Sheep	2.0 (2)				2.3 (7)	1.5 (2)	2.3 (3)	2.5 (4)	
Goat						1.7 (3)	2.5 (2)	1.0 (1)	

Mpumalanga

Balfour, Balfour Dierekliniiek

Sheep: 1

Lydenburg, Longtom Dierekliniiek

Sheep: 3

Free State

Bloemfontein, Dr Stephan Wessels

Sheep: 3

Bultfontein, Greylingrust Dieresprekkamer

Sheep: 1

Clocolan, Clocolan Dierekliniiek

Sheep: 1

Hoopstad, Hoopstad Dierekliniiek

Sheep: 3

Ladybrand, Ladybrand Dierekliniiek

Sheep: 3

Viljoenskroon, Viljoenskroon Dierekliniiek

Sheep: 3

Villiers, Wilgepoort Dierekliniiek Vennootskap

Sheep: 2

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

Beef: 1, Sheep: 1, Goat: 1

Estcourt, Estcourt Vet Clinic

Sheep: 2, Goat: 2

Mooi River, Mooirivier Vet Clinic

Beef: 2

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2, Goat: 2

Pietermaritzburg, Veterinary House Hospital

Beef: 1

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

Sheep: 2, Goat: 2

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Sheep: 3, Goat: 3

Witelsbos, Witelsbos Veterinary Consulting Rooms

Sheep: 2

Western Cape**George, George Animal Hospital**

Beef: 3, Sheep: 3

Heidelberg (WC), Heidelberg Dierekliniek

Sheep: 2

Malmesbury, Malmesbury Dierehospitaal

Sheep: 2

Moorreesburg, Moorreesburg Dierekliniek

Sheep: 3

Stellenbosch, Stellenbosch Animal Hospital

Goat: 1

Resistant Round Worms

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

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

Sheep		1.0 (1)			2.5 (4)		2.0 (1)	2.5 (2)	
Goat							2.0 (1)		

Gauteng**Bronkhorstspuit, Kerkstraat Dierekliniek**

Sheep: 1

Free State**Bloemfontein, Dr Stephan Wessels**

Sheep: 3

Hoopstad, Hoopstad Dierekliniek

Sheep: 3

Ladybrand, Ladybrand Dierekliniek

Sheep: 3

Reitz, Riemland Dierehospitaal

Sheep: 1

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

Goat: 2

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Sheep: 2

Western Cape**George, George Animal Hospital**

Sheep: 3

Malmesbury, Malmesbury Dierehospitaal

Sheep: 2

Wireworm

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.5 (2)	2.5 (2)	1.0 (1)		2.1 (10)	1.8 (5)	2.5 (2)	2.0 (3)	

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

Sheep	2.5 (2)	3.0 (1)	1.0 (1)		2.1 (10)	2.0 (3)	3.0 (1)	2.0 (3)	
Goat		2.0 (1)				1.5 (2)	2.0 (1)		

Mpumalanga**Bethal, Bethal Dierekliniek**

Sheep: 2

Lydenburg, Longtom Dierekliniek

Sheep: 3

Gauteng**Bronkhorstspuit, Kerkstraat Dierekliniek**

Sheep: 3, Goat: 2

Limpopo**Modimolle, Kranskop Dierekliniek**

Sheep: 1

One flock

Free State**Clocolan, Clocolan Dierekliniek**

Sheep: 1

Ficksburg, Oosvrystaat Diere Produkte

Sheep: 2

Frankfort, Frankfort Dierekliniek

Sheep: 3

Hoopstad, Hoopstad Dierekliniek

Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Sheep: 2

Ladybrand, Ladybrand Dierekliniek

Sheep: 3

Reitz, Riemland Dierehospitaal

Sheep: 2

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 2

Vrede, Saulshoek Dierepraktik

Sheep: 2

Wesselsbron, Wesselsbron Dierekliniek

Sheep: 1

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

Sheep: 2, Goat: 1

Estcourt, Estcourt Vet Clinic

Sheep: 2, Goat: 2

Pietermaritzburg, Veterinary House Hospital

Sheep: 2

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

Sheep: 3, Goat: 2

Western Cape**George, George Animal Hospital**

Sheep: 3

Heidelberg (WC), Heidelberg Dierekliniek

Sheep: 1

Malmesbury, Malmesbury Dierehospitaal

Sheep: 2

Brown stomach-worm

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

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

Beef

1.0 (1)

Sheep

2.0 (1)

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

Beef: 1

Western Cape**Malmesbury, Malmesbury Dierehospitaal**

Sheep: 2

Eye worm (*Thelazia rhodesii*)

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

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

Beef	1.0 (1)
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Free State

Wesselsbron, Wesselsbron Dierekliniek

Beef: 1

Tape Worms

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

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

Beef	1.5 (2)				2.0 (1)				
Sheep	1.5 (2)				2.5 (4)	1.0 (1)		3.0 (1)	
Goat		2.0 (1)					1.0 (1)		

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1, Sheep: 1

Standerton, Econovet

Beef: 2, Sheep: 2

Gauteng

Bronkhorstspuit, Kerkstraat Dierekliniek

Goat: 2

Free State

Bloemfontein, Dr Stephan Wessels

Sheep: 2

Hoopstad, Hoopstad Dierekliniek

Beef: 2

Ladybrand, Ladybrand Dierekliniek

Sheep: 3

Viljoenskroon, Viljoenskroon Dierekliniek

Sheep: 3

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 2

Kwazulu-Natal

Dundee, Endumeni Herd health

Sheep: 1

Eastern Cape

Graaff-Reinet, Camdeboo Veterinary Clinic

Goat: 1

Western Cape

George, George Animal Hospital

Sheep: 3

Parafilaria

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

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

Beef	2.0 (2)	2.0 (1)		3.0 (1)		2.0 (2)			
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Mpumalanga

Lydenburg, Longtom Dierekliniek

Beef: 2

Nelspruit, Nelspruit Animal Hospital

Beef: 2

Gauteng

Bronkhorstspuit, Kerkstraat Dierekliniek

Beef: 2

North West

Stella, Stella Dierekliniek

Beef: 3

Kwazulu-Natal

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2

Pietermaritzburg, Veterinary House Hospital

Beef: 2

Liver fluke

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.3 (3)				3.0 (1)	1.5 (4)		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	2.5 (2)				3.0 (1)	1.5 (4)		3.0 (1)	
Dairy								3.0 (1)	
Sheep	2.0 (1)							2.0 (1)	

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 2, Sheep: 2

Lydenburg, Longtom Dierekliniek

Beef: 3

Free State

Clocolan, Clocolan Dierekliniek

Beef: 3

Kwazulu-Natal

Bergville, Tugela Vet Clinic

Beef: 1

Estcourt, Estcourt Vet Clinic

Beef: 1

Pietermaritzburg, Veterinary House Hospital

Beef: 2

Underberg, Underberg Veterinary Surgery

Beef: 2

Western Cape

George, George Animal Hospital

Beef: 3, Dairy: 3, Sheep: 2

Conical Flukes

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

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

Beef					2.0 (3)	1.0 (2)	1.0 (1)		
Sheep					1.5 (2)				

Free State

Frankfort, Frankfort Dierekliniek

Beef: 3

Senekal, Senekal Dierekliniek

Beef: 1

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2, Sheep: 2

Wesselsbron, Wesselsbron Dierekliniek

Sheep: 1

Kwazulu-Natal

Mooi River, Mooirivier Vet Clinic

Beef: 1

Pietermaritzburg, Veterinary House Hospital

Beef: 1

Eastern Cape

Uitenhage, Uitenhage Dierehospitaal

Beef: 1

Cysticercosis

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

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

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

Gauteng**Bronkhorstspuit, Kerkstraat Dierekliniek**

Sheep: 1

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

Beef: 2

Western Cape**George, George Animal Hospital**

Beef: 1, Sheep: 2

Northern Cape**Postmasburg, Postmasburg Dierekliniek**

Sheep: 2

External Parasites**Blue ticks**

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (5)			3.0 (1)	2.9 (9)	2.6 (11)		2.3 (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	2.3 (4)			3.0 (1)	2.8 (6)	2.8 (9)		2.3 (4)	
Dairy					3.0 (1)			2.5 (2)	
Sheep	1.0 (1)				3.0 (2)	2.0 (1)		2.0 (1)	
Goat						2.0 (1)			

Mpumalanga**Balfour, Balfour Dierekliniek**

Beef: 1, Sheep: 1

Lydenburg, Longtom Dierekliniek

Beef: 3

Middelburg, Middelburg Dierehospitaal

Beef: 2

Standerton, Econovet

Beef: 3

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

Beef: 3

Free State**Clocolan, Clocolan Dierekliniek**

Beef: 3

Ficksburg, Oosvrystaat Diere Produkte

Beef: 3, Dairy: 3, Sheep: 3

Frankfort, Frankfort Dierekliniek

Beef: 3

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 3

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 3

Bergville, Tugela Vet Clinic

Beef: 2, Sheep: 2, Goat: 2

Dundee, Endumeni Herd health

Beef: 3

Eshowe, Eshowe Veterinary Hospital

Beef: 3

Mooi River, Mooirivier Vet Clinic

Beef: 2

Mtubatuba, Mtubatuba Animal Clinic

Beef: 3

Pietermaritzburg, Veterinary House Hospital

Beef: 3

Underberg, Underberg Veterinary Surgery

Beef: 3

Vryheid, Vryheid Privaat Veeartse

Beef: 3

Western Cape

George, George Animal Hospital

Beef: 3, Dairy: 3

Heidelberg (WC), Heidelberg Dierekliniek

Beef: 2

Malmesbury, Groenkloof Dierekliniek

Beef: 2

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 2

Moorreesburg, Moorreesburg Dierekliniek

Sheep: 2

Resistant blue Ticks

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

Beef						1.7 (3)		3.0 (1)	
Dairy								3.0 (1)	

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 1

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2

Pietermaritzburg, Veterinary House Hospital

Beef: 2

Western Cape**George, George Animal Hospital**

Beef: 3, Dairy: 3

Heartwater (Bont) ticks

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	3.0 (5)			2.0 (1)		1.9 (13)	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	3.0 (3)			2.0 (1)		2.0 (7)	1.0 (1)		
Sheep	3.0 (1)					1.3 (3)			
Goat	3.0 (1)					2.3 (3)	1.0 (1)		

Mpumalanga**Lydenburg, Longtom Dierekliniek**

Beef: 3, Sheep: 3, Goat: 3

Middelburg, Middelburg Dierehospitaal

Beef: 3

Nelspruit, Nelspruit Animal Hospital

Beef: 3

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

Beef: 2

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

Beef: 3

Bergville, Tugela Vet Clinic

Beef: 1, Sheep: 1

Dundee, Endumeni Herd health

Beef: 2

Eshowe, Eshowe Veterinary Hospital

Sheep: 1

Estcourt, Estcourt Vet Clinic

Beef: 1, Goat: 2

Mtubatuba, Mtubatuba Animal Clinic

Beef: 3, Goat: 3

Pietermaritzburg, Veterinary House Hospital

Beef: 2

Pongola, Pongola Animal Clinic

Beef: 2, Sheep: 2, Goat: 2

Eastern Cape**Alexandria, Alexandria Platteland Spreekkamer**

Beef: 1

Uitenhage, Uitenhage Dierehospitaal

Goat: 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	3.0 (3)	2.0 (2)	2.0 (1)	2.3 (3)
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported				
Beef	3.0 (2)	2.0 (2)	2.0 (1)	2.5 (2)
Dairy				2.0 (1)
Sheep	3.0 (1)			

Mpumalanga

Lydenburg, Longtom Dierekliniek

Beef: 3, Sheep: 3

Standerton, Econovet

Beef: 3

Free State

Memel, Memel Veterinary Clinic

Beef: 2

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Western Cape

George, George Animal Hospital

Beef: 3

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 2

Bont-legged ticks

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.2 (5)			2.6 (5)	2.7 (12)	2.7 (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	2.3 (3)			2.8 (4)	2.6 (9)	2.7 (3)			
Sheep	2.0 (2)			2.0 (1)	3.0 (3)			2.0 (1)	

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1, Sheep: 1

Lydenburg, Longtom Dierekliniek

Beef: 3, Sheep: 3

Middelburg, Middelburg Dierehospitaal

Beef: 3

North West

Christiana, Christiana Dierehospitaal

Beef: 3

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 2, Sheep: 2

Schweizer-Reneke, Buffeldoorn Dierekliniek SR

Beef: 3

Ventersdorp, Ventersdorp Dierekliniek

Beef: 3

Free State**Bloemfontein, Dr Stephan Wessels**

Beef: 3

Bultfontein, Greylingrust Dieresprekkamer

Beef: 2

Clocolan, Clocolan Dierekliniek

Beef: 3

Frankfort, Frankfort Dierekliniek

Beef: 3

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 3, Sheep: 3

Memel, Memel Veterinary Clinic

Beef: 2

Philippolis, Rowelsfontein veearts Spreekkamer

Sheep: 3

Senekal, Senekal Dierekliniek

Beef: 1

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 3

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

Beef: 2

Dundee, Endumeni Herd health

Beef: 3

Vryheid, Vryheid Privaat Veeartse

Beef: 3

Western Cape**Moorreesburg, Moorreesburg Dierekliniek**

Sheep: 2

Red-legged ticks									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.8 (6)			3.0 (2)	2.3 (7)	3.0 (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 (3)			3.0 (2)	2.3 (4)	3.0 (2)		2.0 (1)	

Sheep	2.0 (2)	2.3 (3)
Goat	1.0 (1)	

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1, Sheep: 1, Goat: 1

Lydenburg, Longtom Dierekliniek

Beef: 3, Sheep: 3

Middelburg, Middelburg Dierehospitaal

Beef: 2

North West

Christiana, Christiana Dierehospitaal

Beef: 3

Schweizer-Reneke, Buffeldoorn Dierekliniek SR

Beef: 3

Free State

Clocolan, Clocolan Dierekliniek

Beef: 2

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 2, Sheep: 2

Memel, Memel Veterinary Clinic

Beef: 2, Sheep: 2

Kwazulu-Natal

Underberg, Underberg Veterinary Surgery

Beef: 3

Vryheid, Vryheid Privaat Veeartse

Beef: 3

Western Cape

Malmesbury, Groenkloof Dierekliniek

Beef: 2

Paralysis ticks

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

Sheep					2.0 (2)				
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Free State

Frankfort, Frankfort Dierekliniek

Sheep: 3

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 1

Biting lice (red lice)

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

Mpumalanga

Standerton, Econovet

Beef: 2

North West

Ventersdorp, Ventersdorp Dierekliniek

Beef: 3

Free State

Kroonstad, Kroonstad Dierehospitaal

Beef: 2

Senekal, Senekal Dierekliniek

Sheep: 1

Sucking lice (blue lice)



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

Goat									2.0 (1)
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Northern Cape

Postmasburg, Postmasburg Dierekliniek

Goat: 2

Scab mites



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

Sheep					2.0 (2)	1.0 (1)			
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Free State**Frankfort, Frankfort Dierekliniek**

Sheep: 3

Smithfield, Freestate Smithfield SV

Sheep: 1

One farm, 639 sheep treated

Kwazulu-Natal**Kokstad, E.G.Veterinary Services**

Sheep: 1

One flock

Mange Mites

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

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

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

Mpumalanga**Balfour, Balfour Dierekliniek**

Beef: 1, Sheep: 1

North West**Christiana, Christiana Dierehospitaal**

Beef: 3

Sarcoptes

Free State**Frankfort, Frankfort Dierekliniek**

Sheep: 3

Hoopstad, Hoopstad Dierekliniek

Beef: 3

Nuisance Flies

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.3 (3)				2.7 (7)	2.7 (7)	3.0 (1)	2.3 (6)	

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

Beef	2.5 (2)				2.8 (4)	2.8 (5)	3.0 (1)	2.0 (2)	
Dairy						3.0 (1)		3.0 (2)	

Sheep	2.0 (1)	2.7 (3)	2.0 (2)
Goat		2.0 (1)	

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 2, Sheep: 2

Nelspruit, Nelspruit Animal Hospital

Beef: 3

Free State

Frankfort, Frankfort Dierekliniek

Beef: 3, Sheep: 3

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Memel, Memel Veterinary Clinic

Beef: 3

Senekal, Senekal Dierekliniek

Beef: 2, Sheep: 2

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 3

Dundee, Endumeni Herd health

Beef: 3

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2, Goat: 2

Pietermaritzburg, Veterinary House Hospital

Beef: 3

Underberg, Underberg Veterinary Surgery

Beef: 3, Dairy: 3

Eastern Cape

Alexandria, Alexandria Platteland Spreekkamer

Beef: 3

Western Cape

Malmesbury, Malmesbury Dierehospitaal

Beef: 3, Dairy: 3, Sheep: 3

Oudtshoorn, Oudtshoorn Dierekliniek

Beef: 1, Sheep: 1

Swellendam, Swellendam Dierehospitaal

Dairy: 3

Blowflies ^

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)				3.0 (1)	2.0 (3)		1.7 (6)	

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

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

Sheep					3.0 (1)	2.0 (2)			1.7 (3)
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Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1

Free State

Frankfort, Frankfort Dierekliniek

Sheep: 3

Kwazulu-Natal

Estcourt, Estcourt Vet Clinic

Sheep: 2

Underberg, Underberg Veterinary Surgery

Dairy: 2, Sheep: 2

Western Cape

Heidelberg (WC), Heidelberg Dierekliniek

Sheep: 2

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 2, Sheep: 2

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

Beef	2.0 (1)								
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Mpumalanga

Nelspruit, Nelspruit Animal Hospital

Beef: 2

Nasal bot larvae

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
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Average	3.0 (1)				2.6 (5)	1.5 (2)		2.0 (1)	
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Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Sheep	3.0 (1)				2.6 (5)	1.5 (2)		2.0 (1)	
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Mpumalanga

Lydenburg, Longtom Dierekliniek

Sheep: 3

Free State

Hoopstad, Hoopstad Dierekliniek

Sheep: 3

Ladybrand, Ladybrand Dierekliniek

Sheep: 3

Senekal, Senekal Dierekliniek

Sheep: 2

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 2

Wesselsbron, Wesselsbron Dierekliniek

Sheep: 3

Kwazulu-Natal

Dundee, Endumeni Herd health

Sheep: 2

Mtubatuba, Mtubatuba Animal Clinic

Sheep: 1

Western Cape

Malmesbury, Malmesbury Dierehospitaal

Sheep: 2

Midges

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.3 (3)					1.5 (2)			

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

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

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1

Lydenburg, Longtom Dierekliniek

Beef: 3, Sheep: 3

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Bergville, Tugela Vet Clinic

Sheep: 1

Mosquitoes

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

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

Beef						3.0 (1)			
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Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 3

Tick-borne Diseases

African red water

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.5 (4)			1.0 (1)	2.0 (3)	1.9 (12)	2.0 (2)	2.0 (2)	

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

Beef	2.5 (4)			1.0 (1)	2.0 (3)	1.9 (11)	2.0 (1)	2.0 (2)	
Dairy						2.0 (1)	2.0 (1)		

Mpumalanga

Grootvlei, Grootvlei Dierekliniek

Beef: 2

Lydenburg, Longtom Dierekliniek

Beef: 3

Middelburg, Middelburg Dierehospitaal

Beef: 3

Standerton, Econovet

Beef: 2

North West

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 1

Free State

Harrismith, Harrismith Dierehospitaal

Beef: 3

Hoopstad, Hoopstad Dierekliniek

Beef: 2

Reitz, Riemland Dierehospitaal

Beef: 1

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Bergville, Tugela Vet Clinic

Beef: 2

Dundee, Endumeni Herd health

Beef: 3

Estcourt, Estcourt Vet Clinic

Beef: 1

Kokstad, E.G.Veterinary Services

Beef: 2

Moi River, Mooirivier Vet Clinic

Beef: 2

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2

Newcastle, Ncanduvet Newcastle

Beef: 2

Pietermaritzburg, Veterinary House Hospital

Beef: 2

Pongola, Pongola Animal Clinic

Beef: 1

Young calves

Underberg, Underberg Veterinary Surgery

Dairy: 2

Vryheid, Vryheid Privaat Veeartse

Beef: 2

Eastern Cape

Alexandria, Riverview Trading Vet Consulting Services

Beef: 2

Jeffreys Bay, Cape Cross Veterinary Hospital

Dairy: 2

Western Cape

Darling, Tygerberg Dierehospitaal Darling

Beef: 2

Heidelberg (WC), Heidelberg Dierekliniek

Beef: 2

Asiatic red water

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (4)	1.0 (1)		2.0 (1)	2.0 (1)	1.5 (10)	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 (4)	1.0 (1)		2.0 (1)	2.0 (1)	1.5 (8)			
Dairy						1.5 (2)	2.0 (1)		

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1

Lydenburg, Longtom Dierekliniek

Beef: 2

Middelburg, Middelburg Dierehospitaal

Beef: 3

Standerton, Econovet

Beef: 2

Gauteng

Bronkhorstspuit, Kerkstraat Dierekliniek

Beef: 1

North West

Ventersdorp, Ventersdorp Dierekliniek

Beef: 2

Free State

Bloemfontein, Dr Stephan Wessels

Beef: 2

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Bergville, Tugela Vet Clinic

Beef: 2

Dundee, Endumeni Herd health

Beef: 2, Dairy: 1

Estcourt, Estcourt Vet Clinic

Beef: 1

Kokstad, E.G.Veterinary Services

Beef: 2

Mooi River, Mooirivier Vet Clinic

Beef: 1

Mtubatuba, Mtubatuba Animal Clinic

Beef: 1

Pietermaritzburg, Veterinary House Hospital

Beef: 1

Underberg, Underberg Veterinary Surgery

Dairy: 2

Eastern Cape**Jeffreys Bay, Cape Cross Veterinary Hospital**

Dairy: 2

Anaplasmosis

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (2)			2.0 (3)	1.8 (12)	1.7 (9)	1.0 (2)	1.7 (6)	

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

Beef	2.0 (2)			2.0 (3)	1.8 (12)	1.6 (7)	1.0 (1)	1.6 (5)	
Dairy						2.0 (2)	1.0 (1)	2.0 (1)	

Mpumalanga**Grootvlei, Grootvlei Dierekliniek**

Beef: 2

Middelburg , Middelburg Dierehospitaal

Beef: 2

North West**Christiana, Christiana Dierehospitaal**

Beef: 3

Schweizer-Reneke, Buffeldoorn Dierekliniek SR

Beef: 2

Ventersdorp, Ventersdorp Dierekliniek

Beef: 1

Free State**Bultfontein, Greylingrust Dieresprekkamer**

Beef: 2

Clocolan, Clocolan Dierekliniek

Beef: 2

Frankfort, Frankfort Dierekliniek

Beef: 2

Harrismith, Harrismith Dierehospitaal

Beef: 1

Hoopstad, Hoopstad Dierekliniek

Beef: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 2

Ladybrand, Ladybrand Dierekliniek

Beef: 2

Memel, Memel Veterinary Clinic

Beef: 1

Reitz, Riemland Dierehospitaal

Beef: 2

Senekal, Senekal Dierekliniek

Beef: 1

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 2

Wesselsbron, Wesselsbron Dierekliniek

Beef: 1

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Bergville, Tugela Vet Clinic

Beef: 2

Dundee, Endumeni Herd health

Beef: 2, Dairy: 2

Eshowe, Eshowe Veterinary Hospital

Beef: 1

Kokstad, E.G.Veterinary Services

Beef: 2

Mooi River, Mooirivier Vet Clinic

Beef: 1

Pietermaritzburg, Veterinary House Hospital

Beef: 1

Underberg, Underberg Veterinary Surgery

Dairy: 2

Acute deaths

Eastern Cape

Alexandria, Riverview Trading Vet Consulting Services

Dairy: 1

Aliwal North, Hertzogbrug Dierekliniek

Beef: 1

Western Cape

Darling, Tygerberg Dierehospitaal Darling

Beef: 2

George, George Animal Hospital

Beef: 1

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 2

Stellenbosch, Stellenbosch Animal Hospital

Beef: 1

Worcester, Durban Straat Dierekliniek Worcester

Beef: 2

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.3 (3)	2.0 (2)	2.0 (1)	2.0 (2)		1.8 (12)	1.7 (3)		

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

Beef	2.5 (2)		2.0 (1)	2.0 (2)		1.8 (6)	2.0 (2)		
Dairy							1.0 (1)		
Sheep	2.0 (1)	2.0 (1)				1.7 (3)			
Goat		2.0 (1)				2.0 (3)			

Mpumalanga

Lydenburg, Longtom Dierekliniek

Beef: 2, Sheep: 2

Middelburg, Middelburg Dierehospitaal

Beef: 3

Gauteng

Hammanskraal, Themba Animal Clinic

Sheep: 2, Goat: 2

Limpopo

Vaalwater, Vaalwater Dieresprekkamer

Beef: 2

North West

Brits, Brits Dierekliniek

Beef: 2

Rustenburg, Bergbos Dierekliniek

Beef: 2

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Bergville, Tugela Vet Clinic

Sheep: 2

Dundee, Endumeni Herd health

Beef: 2, Sheep: 2

Estcourt, Estcourt Vet Clinic

Beef: 2, Goat: 3

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2, Goat: 2

Pongola, Pongola Animal Clinic

Beef: 1, Sheep: 1, Goat: 1

Vryheid, Vryheid Privaat Veeartse

Beef: 2

Eastern Cape

Alexandria, Alexandria Platteland Spreekkamer

Beef: 2

Alexandria, Riverview Trading Vet Consulting Services

Beef: 2, Dairy: 1

Sweating Sickness



PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
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Average	2.0 (2)	1.8 (4)
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Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef	2.0 (2)	1.8 (4)
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North West

Christiana, Christiana Dierehospitaal

Beef: 3

Schweizer-Reneke, Buffeldoorn Dierekliniek SR

Beef: 1

Free State

Bloemfontein, Dr Stephan Wessels

Beef: 2

Clocolan, Clocolan Dierekliniek

Beef: 2

Hoopstad, Hoopstad Dierekliniek

Beef: 2

Wesselsbron, Wesselsbron Dierekliniek

Beef: 1

Insect Transmittable Diseases

Lumpy skin disease

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

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

Beef	1.0 (1)				1.5 (2)	1.0 (1)			
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Mpumalanga

Middelburg , Middelburg Dierehospitaal

Beef: 1

Free State

Hoopstad, Hoopstad Dierekliniek

Beef: 2

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 1

Kwazulu-Natal

Dundee, Endumeni Herd health

Beef: 1

Three-day-stiffsickness

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

Wesselsbron, Wesselsbron Dierekliniek

Beef: 3

Outbreak along the Vet river between Port Allen and Hoopstad. Areas that were flooded during April 2019.

Kwazulu-Natal

Dundee, Endumeni Herd health

Beef: 1

Pongola, Pongola Animal Clinic

Beef: 1

Western Cape

Heidelberg (WC), Heidelberg Dierekliniek

Beef: 2

Piketberg, Piketberg Dierehospitaal

Beef: 1

Blue tongue



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

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

Sheep	1.0 (1)						2.0 (1)	3.0 (1)	
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Mpumalanga

Grootvlei, Grootvlei Dierekliniek

Sheep: 1

Eastern Cape

Jeffreys Bay, Cape Cross Veterinary Hospital

Sheep: 2

Western Cape

George, George Animal Hospital

Sheep: 3

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	2.3 (4)	1.0 (1)		2.5 (2)	2.4 (11)	2.0 (3)	2.0 (1)		2.0 (1)

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

Beef	2.3 (4)	1.0 (1)		2.5 (2)	2.4 (11)	2.0 (3)	2.0 (1)		2.0 (1)
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Mpumalanga

Bethal, Bethal Dierekliniek

Beef: 2

Grootvlei, Grootvlei Dierekliniek

Beef: 2

Middelburg, Middelburg Dierehospitaal

Beef: 3

Standerton, Econovet

Beef: 2

Gauteng

Bronkhorstspuit, Kerkstraat Dierekliniek

Beef: 1

North West

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 2

Leeudoringstad, Leeudoringstad Dierekliniek

Beef: 3

Free State

Bloemfontein, Dr Stephan Wessels

Beef: 2

New farm in Excelsior - 7 bulls positive

Dewetsdorp, Platkop Dierekliniek

Beef: 2

Two positive bulls

Ficksburg, Oosvrystaat Diere Produkte

Beef: 1

Frankfort, Frankfort Dierekliniek

Beef: 3

Hoopstad, Hoopstad Dierekliniek

Beef: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 3

Parys, Parys Dierehospitaal

Beef: 2

Reitz, Riemland Dierehospitaal

Beef: 3

Senekal, Senekal Dierekliniek

Beef: 3

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2

Wesselsbron, Wesselsbron Dierekliniek

Beef: 2

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 1

Dundee, Endumeni Herd health

Beef: 2

Vryheid, Vryheid Privaat Veeartse

Beef: 3

15 out of 50 plus bulls positive

Eastern Cape

Aliwal North, Hertzogbrug Dierekliniek

Beef: 2

Northern Cape

Postmasburg, Postmasburg Dierekliniek

Beef: 2

Vibriosis

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

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

Beef	1.0 (1)			2.0 (3)	2.0 (8)	1.0 (1)			
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Mpumalanga

Middelburg , Middelburg Dierehospitaal

Beef: 1

North West

Leeudoringstad, Leeudoringstad Dierekliniek

Beef: 3

Schweizer-Reneke, Buffeldoorn Dierekliniek SR

Beef: 2

Stella, Stella Dierekliniek

Beef: 1

Free State

Bloemfontein, Dr Stephan Wessels

Beef: 2

Clocolan, Clocolan Dierekliniek

Beef: 2

Frankfort, Frankfort Dierekliniek

Beef: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 2

Reitz, Riemland Dierehospitaal

Beef: 1

Senekal, Senekal Dierekliniek

Beef: 2

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 2

Wesselsbron, Wesselsbron Dierekliniek

Beef: 2

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 1

Bacterial Disease (other)

Blackquarter

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

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

Beef	1.0 (2)			2.3 (4)	2.0 (3)	1.5 (4)	1.0 (1)		
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Mpumalanga

Bethal, Bethal Dierekliniek

Beef: 1

Middelburg , Middelburg Dierehospitaal

Beef: 1

North West

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 1

Leeudoringstad, Leeudoringstad Dierekliniek

Beef: 3

Feedlot calves

Rustenburg, Bergbos Dierekliniek

Beef: 2

Ventersdorp, Ventersdorp Dierekliniek

Beef: 3

Free State

Clocolan, Clocolan Dierekliniek

Beef: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 1

Ladybrand, Ladybrand Dierekliniek

Beef: 2

Kwazulu-Natal

Estcourt, Estcourt Vet Clinic

Beef: 2

Mooi River, Mooirivier Vet Clinic

Beef: 1

Newcastle, Ncanduvet Newcastle

Beef: 2

Pietermaritzburg, Veterinary House Hospital

Beef: 1

Eastern Cape**Uitenhage, Uitenhage Dierehospitaal**

Beef: 1

Botulism

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

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

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

Mpumalanga**Grootvlei, Grootvlei Dierekliniek**

Beef: 1

North West**Christiana, Christiana Dierehospitaal**

Beef: 1

Free State**Hoopstad, Hoopstad Dierekliniek**

Beef: 3

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

Beef: 1

Malmesbury, Malmesbury Dierehospitaal

Sheep: 1

Northern Cape**Postmasburg, Postmasburg Dierekliniek**

Sheep: 2

Pulpy Kidney

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.5 (2)	3.0 (1)		1.5 (2)	2.0 (6)		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

Sheep	1.5 (2)	3.0 (1)		2.0 (1)	2.0 (6)		2.0 (1)	1.5 (2)
Goat				1.0 (1)			2.0 (1)	

Mpumalanga

Balfour, Balfour Dierekliniek

Sheep: 1

Lydenburg, Longtom Dierekliniek

Sheep: 2

Gauteng

Bronkhorstspuit, Kerkstraat Dierekliniek

Sheep: 3

North West

Brits, Brits Dierekliniek

Sheep: 2

Klerksdorp, Klerksdorp Dierehospitaal

Goat: 1

Free State

Bultfontein, Greylingsrust Dieresprekkamer

Sheep: 2

Harrismith, Harrismith Dierehospitaal

Sheep: 1

Reitz, Riemland Dierehospitaal

Sheep: 2

Senekal, Senekal Dierekliniek

Sheep: 2

Viljoenskroon, Viljoenskroon Dierekliniek

Sheep: 3

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 2

Eastern Cape

Graaff-Reinet, Camdeboo Veterinary Clinic

Sheep: 2, Goat: 2

Western Cape

Darling, Tygerberg Dierehospitaal Darling

Sheep: 1

Malmesbury, Malmesbury Dierehospitaal

Sheep: 2

Lamb dysentery [^](#)

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

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

Sheep							1.0 (1)		
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Eastern Cape

Aliwal North, Hertzogbrug Dierekliniek

Sheep: 1

Swelled head disease [^](#)

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

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

Beef					1.0 (1)				
Sheep					2.0 (1)				

Free State

Reitz, Riemland Dierehospitaal

Beef: 1

Vrede, Vrede Dierehospitaal

Sheep: 2

Three cases

Red gut (cattle) [^](#)

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

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1

Bethal, Bethal Dierekliniek

Beef: 1

Free State

Frankfort, Frankfort Dierekliniek

Beef: 3

Kwazulu-Natal

Dundee, Endumeni Herd health

Dairy: 1

Blood gut (Sheep) [^](#)

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

Sheep	2.0 (2)
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Free State

Memel, Memel Veterinary Clinic

Sheep: 2

Villiers, Wilgepoort Dierkliniek Vennootskap

Sheep: 2

Tetanus

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

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

Dairy	1.0 (1)
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Goat	1.0 (1)
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Free State

Clocolan, Clocolan Dierkliniek

Dairy: 1

Eastern Cape

Graaff-Reinet, Camdeboo Veterinary Clinic

Goat: 1

Salmonellosis

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

Bronkhorstspuit, Kerkstraat Dierkliniek

Beef: 3

Free State

Bloemfontein, Dr Stephan Wessels

Beef: 2

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 2

Kwazulu-Natal

Vryheid, Vryheid Privaat Veeartse

Beef: 2

Brucella abortus (CA)									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.5 (2)	3.0 (1)		2.8 (4)	2.4 (10)				

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

Beef	1.5 (2)	3.0 (1)		2.8 (4)	2.4 (10)				
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Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1

Lydenburg, Longtom Dierekliniek

Beef: 2

Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 3

North West

Brits, Brits Dierekliniek

Beef: 2

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 3

Lichtenburg, Dr CM Kruger-Rall

Beef: 3

86 positive cases

Vryburg, Vryburg Prov Vet Laboratory

Beef: 3

A Total of 65 herds, 4699 animals tested. 29 Positive herds: Naledi = 7/15 herds (7 positive herds out of 15 herds tested), Mamusa = 3/7 herds, Mafikeng = 1/3 herds, Lekwa Teemane = 1/2 herds, Greater Taung = 3/13 herds, Kagisano = 6/11 herds, Molopo = 5/14 herds.

Free State

Bloemfontein, Dr Stephan Wessels

Beef: 3

One new farm in Dealesville - 14 positive

Frankfort, Frankfort Dierekliniek

Beef: 3

Harrismith, Harrismith Dierehospitaal

Beef: 3

Hoopstad, Hoopstad Dierekliniek

Beef: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 3

Ladybrand, Ladybrand Dierekliniek

Beef: 2

Parys, Parys Dierehospitaal

Beef: 2

Smithfield, Freestate Smithfield SV

Beef: 2

4 positive animals (Mohakare)

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2

Wesselsbron, Wesselsbron Dierekliniek

Beef: 1

***Brucella ovis* (Ramsiekte)**

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

Sheep					1.5 (2)			1.0 (1)	
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Free State**Villiers, Wilgepoort Dierekliniek Vennootskap**

Sheep: 2

Wesselsbron, Wesselsbron Dierekliniek

Sheep: 1

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

Sheep: 1

Septicaemia

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

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

Dairy						1.0 (1)			
Goat							1.0 (1)		

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

Dairy: 1

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

Goat: 1

E. coli

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.2 (5)	2.0 (1)		3.0 (4)	2.5 (15)	1.3 (3)	2.0 (1)	2.0 (1)	2.0 (1)

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

Beef	2.3 (4)			3.0 (2)	2.7 (6)	1.3 (3)	2.0 (1)		
Dairy					3.0 (1)				
Sheep	2.0 (1)			3.0 (2)	2.4 (8)			2.0 (1)	
Goat		2.0 (1)							2.0 (1)

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 2

Grootvlei, Grootvlei Dierekliniek

Beef: 2

Lydenburg, Longtom Dierekliniek

Beef: 3

Virulent E coli causing large scale deaths in calves

Standerton, Econovet

Beef: 2, Sheep: 2

Gauteng

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Goat: 2

Four cases

North West

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 3, Sheep: 3

Leeudoringstad, Leeudoringstad Dierekliniek

Beef: 3

Calves

Sheep: 3

Free State

Bloemfontein, Dr Stephan Wessels

Sheep: 2

Clocolan, Clocolan Dierekliniek

Beef: 2, Sheep: 2

Frankfort, Frankfort Dierekliniek

Beef: 3, Sheep: 3

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 3, Dairy: 3, Sheep: 3

Reitz, Riemland Dierehospitaal

Beef: 2

Senekal, Senekal Dierekliniek

Sheep: 1

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 3, Sheep: 3

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 2

Kwazulu-Natal

Bergville, Tugela Vet Clinic

Beef: 1

Mooi River, Mooirivier Vet Clinic

Beef: 1

Vryheid, Vryheid Privaat Veeartse

Beef: 2

Eastern Cape

Alexandria, Alexandria Platteland Spreekkamer

Beef: 2

Western Cape

Beaufort West, Beaufort West State Vet

Sheep: 2

Lambs 6-8 weeks, meningitis

Northern Cape

Postmasburg, Postmasburg Dierekliniek

Goat: 2

Intrauterine Gangrene

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

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

Sheep 2.0 (1)

Gauteng

Bronkhorstspuit, Kerkstraat Dierekliniek

Sheep: 2

Fusibacterium necrophorum

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

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

Beef 1.0 (1)

Dairy 2.0 (1)

Western Cape

Malmesbury, Malmesbury Dierehospitaal

Dairy: 2

Stellenbosch, Stellenbosch Animal Hospital

Beef: 1

Other [^](#)

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

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

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

Eastern Cape

Jeffreys Bay, Cape Cross Veterinary Hospital

Beef: 2

Sporadic *Clostridium perfringens* cases in cattle

Western Cape

Stellenbosch, Stellenbosch Animal Hospital

Dairy: 1

Cryptosporidiosis in 2 week old calves

Northern Cape

Kuruman, Kuruman Dierekliniek

Sheep: 3

80 sheep died within 7 days in one out of 4 camps. Rotten porcupine carcass found in water trough.

Pasteurellosis (see lung infection) [^](#)

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

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

Beef						1.0 (1)			
Sheep					2.0 (1)				

Free State

Vrede, Vrede Dierehospitaal

Sheep: 2

Three cases

Kwazulu-Natal

Estcourt, Estcourt Vet Clinic

Beef: 1

Protozoal diseases (other)

Coccidiosis [^](#)

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (1)			1.0 (2)	2.2 (6)	1.3 (3)	2.0 (3)	2.7 (3)	3.0 (1)

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

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

Mpumalanga

Nelspruit, Nelspruit Animal Hospital

Goat: 2

North West

Klerksdorp, Klerksdorp Dierehospitaal

Goat: 1

Ventersdorp, Ventersdorp Dierekliniek

Beef: 1

Free State

Bloemfontein, Dr Stephan Wessels

Sheep: 2

Frankfort, Frankfort Dierekliniek

Beef: 2

Kroonstad, Kroonstad Dierehospitaal

Sheep: 2

Reitz, Riemland Dierehospitaal

Beef: 2

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2, Sheep: 3

Kwazulu-Natal

Mooi River, Mooirivier Vet Clinic

Beef: 1

Pongola, Pongola Animal Clinic

Goat: 1

Underberg, Underberg Veterinary Surgery

Beef: 2

Eastern Cape

Graaff-Reinet, Camdeboo Veterinary Clinic

Goat: 2

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Sheep: 2, Goat: 2

Western Cape

Darling, Tygerberg Dierehospitaal Darling

Dairy: 3, Sheep: 3

Malmesbury, Groenkloof Dierekliniek

Sheep: 2

Lambs

Northern Cape

Postmasburg, Postmasburg Dierekliniek

Goat: 3

Cryptosporidium

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	3.0 (3)	2.0 (1)		3.0 (1)	2.7 (7)	2.0 (5)			

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

Beef	3.0 (2)	2.0 (1)		3.0 (1)	2.7 (3)	2.3 (4)			
Sheep	3.0 (1)				2.8 (4)	1.0 (1)			

Mpumalanga**Lydenburg, Longtom Dierekliniek**

Beef: 3

Causing large scale deaths in calves less than 1 month

Middelburg, Middelburg Dierehospitaal

Beef: 3, Sheep: 3

Gauteng**Bronkhorstspuit, Kerkstraat Dierekliniek**

Beef: 2

North West**Ventersdorp, Ventersdorp Dierekliniek**

Beef: 3

Calves

Free State**Bultfontein, Greylingrust Diersprekkamer**

Beef: 3, Sheep: 3

Clocolan, Clocolan Dierekliniek

Beef: 2, Sheep: 2

Parys, Parys Dierehospitaal

Beef: 3, Sheep: 3

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 3

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

Beef: 2

Estcourt, Estcourt Vet Clinic

Beef: 1

Kokstad, E.G.Veterinary Services

Beef: 3

Tail end calves

Newcastle, Ncanduvet Newcastle

Beef: 3, Sheep: 1

Fungal diseases**Ringworm**

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)			3.0 (3)	2.2 (5)	1.5 (4)	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)			3.0 (3)	2.5 (4)	1.5 (4)	2.0 (1)	1.0 (1)	
Dairy					1.0 (1)				
Goat							2.0 (1)		

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1

North West

Brits, Brits Dierekliniek

Beef: 3

Christiana, Christiana Dierehospitaal

Beef: 3

Stella, Stella Dierekliniek

Beef: 3

Free State

Hoopstad, Hoopstad Dierekliniek

Beef: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 2

Senekal, Senekal Dierekliniek

Dairy: 1

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 3

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Dundee, Endumeni Herd health

Beef: 1

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2

Underberg, Underberg Veterinary Surgery

Beef: 1

Eastern Cape

Aliwal North, Hertzogbrug Dierekliniek

Beef: 2

Bathurst, Dr Jane Pistorius

Goat: 2

Western Cape

Stellenbosch, Stellenbosch Animal Hospital

Beef: 1

Viral Diseases (other)

BMC (Snotsiekte)

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

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

Beef		1.0 (1)		2.0 (1)	2.0 (3)				
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Gauteng

Bronkhorstspuit, Kerkstraat Dierekliniek

Beef: 1

North West

Ventersdorp, Ventersdorp Dierekliniek

Beef: 2

Free State

Bloemfontein, Dr Stephan Wessels

Beef: 1

Hoopstad, Hoopstad Dierekliniek

Beef: 3

Smithfield, Freestate Smithfield SV

Beef: 2

One bull died, last month 2 cattle died (Smithfield)

Rabies

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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North West

Lichtenburg, Dr CM Kruger-Rall

Beef: 2

Two positive cases in cattle, one positive jackal

BVD (Bovine viral diarrhoea)

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

IBR (Infectious bovine rhinotracheitis)

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

Dairy 1.0 (1)

Kwazulu-Natal

Bergville, Tugela Vet Clinic

Beef: 1

Pietermaritzburg, Veterinary House Hospital

Beef: 2

Western Cape

Darling, Tygerberg Dierehospitaal Darling

Dairy: 1

Enzootic Bovine Leucosis (EBL)

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

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

Beef 1.0 (3) 1.0 (1)

Kwazulu-Natal

Bergville, Tugela Vet Clinic

Beef: 1

Mooi River, Mooirivier Vet Clinic

Beef: 1

Pietermaritzburg, Veterinary House Hospital

Beef: 1

Eastern Cape

Alexandria, Alexandria Platteland Spreekkamer

Beef: 1

Orf

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average				2.5 (4)	1.6 (5)	1.0 (1)	1.0 (2)	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

Sheep				2.5 (2)	1.6 (5)			2.0 (3)	
Goat				2.5 (2)		1.0 (1)	1.0 (2)	3.0 (1)	

North West

Christiana, Christiana Dierehospitaal

Sheep: 3, Goat: 3

Schweizer-Reneke, Buffeldoorn Dierekliniek SR

Sheep: 2

Ventersdorp, Ventersdorp Dierekliniek

Goat: 2

Free State

Bloemfontein, Dr Stephan Wessels

Sheep: 2

Senekal, Senekal Dierekliniek

Sheep: 1

Viljoenskroon, Viljoenskroon Dierekliniek

Sheep: 2

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 2

Wesselsbron, Wesselsbron Dierekliniek

Sheep: 1

Kwazulu-Natal

Estcourt, Estcourt Vet Clinic

Goat: 1

Eastern Cape

Graaff-Reinet, Camdeboo Veterinary Clinic

Goat: 1

Uitenhage, Uitenhage Dierehospitaal

Goat: 1

Western Cape

Beaufort West, Beaufort West State Vet

Sheep: 2

Very dry grazing, animals sleep in close contact with each other

George, George Animal Hospital

Sheep: 3

Malmesbury, Malmesbury Dierehospitaal

Sheep: 1

Vredenburg, Vredenburg Dierehospitaal

Goat: 3

Boer goats and communal farms

Warts



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

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

Beef	1.5 (2)	1.0 (1)			1.8 (5)	2.0 (4)		2.0 (3)	
Dairy					2.0 (1)				

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1

Lydenburg, Longtom Dierekliniek

Beef: 2

Gauteng

Bronkhorstspuit, Kerkstraat Dierekliniek

Beef: 1

Free State

Bloemfontein, Dr Stephan Wessels

Beef: 1

Hoopstad, Hoopstad Dierekliniek

Beef: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 3

Senekal, Senekal Dierekliniek

Dairy: 2

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 1

Wesselsbron, Wesselsbron Dierekliniek

Beef: 1

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Bergville, Tugela Vet Clinic

Beef: 1

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2

Underberg, Underberg Veterinary Surgery

Beef: 3

Western Cape

George, George Animal Hospital

Beef: 3

Stellenbosch, Stellenbosch Animal Hospital

Beef: 1

Worcester, Durban Straat Dierekliniek Worcester

Beef: 2

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

North West

Ventersdorp, Ventersdorp Dierekliniek

Beef: 3

Calves

Free State

Clocolan, Clocolan Dierekliniek

Dairy: 2

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 1

Newcastle, Ncanduvet Newcastle

Beef: 1

Eastern Cape

Alexandria, Riverview Trading Vet Consulting Services

Beef: 2

Corona Virus



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

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

Beef						1.0 (1)			
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Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 1

Poisonings (Plant) and Fungal

Cardiac glycoside poisoning



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

Gauteng
Bronkhorstspuit, Kerkstraat Dierekliniék
Beef: 1
North West
Stella, Stella Dierekliniék
Beef: 3
Slangkop
Ventersdorp, Ventersdorp Dierekliniék
Beef: 3
Slangkop, <i>Urginea</i> , especially in heifers
Western Cape
Beaufort West, Beaufort West State Vet
Sheep: 2
Drought

Cestrum (Ink berry) [^](#)

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

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

Beef				2.0 (1)	1.3 (3)				
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North West
Schweizer-Reneke, Buffeldoorn Dierekliniék SR
Beef: 2
Free State
Ladybrand, Ladybrand Dierekliniék
Beef: 2
Senekal, Senekal Dierekliniék
Beef: 1
Viljoenskroon, Viljoenskroon Dierekliniék
Beef: 1

Facial eczema [^](#)

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

Geeldikkop/Dikoor [^](#)

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

Sheep										2.0 (1)	2.0 (1)
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Free State
Kroonstad, Kroonstad Dierehospitaal
 Sheep: 2
Western Cape
Malmesbury, Malmesbury Dierehospitaal
 Sheep: 2

Gifblaar [^](#)

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

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

Beef			3.0 (1)						
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Limpopo
Vaalwater, Vaalwater Dieresprekkamer
 Beef: 3
 Two animals died on one farm. Heard 60 cattle died on a farm near melriver

Lantana [^](#)

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

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

Beef						1.0 (1)				1.7 (3)
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Limpopo

Modimolle, Kranskop Dierekliniek

Beef: 1

Outbreak on one farm

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Dundee, Endumeni Herd health

Beef: 1

Pietermaritzburg, Veterinary House Hospital

Beef: 2

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

Beef						2.0 (1)			
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Kwazulu-Natal

Underberg, Underberg Veterinary Surgery

Beef: 2

American reed grass

Seneciosis

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

Beef					2.0 (1)	2.0 (1)			
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Free State

Ficksburg, Oosvrystaat Diere Produkte

Beef: 2

Kwazulu-Natal

Kokstad, E.G.Veterinary Services

Beef: 2

Early cases

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)		1.0 (1)	2.0 (1)	1.5 (2)	1.0 (1)
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Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

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

Grootvlei, Grootvlei Dierekliniek

Beef: 2

Limpopo

Modimolle, Kranskop Dierekliniek

Beef: 1

Two animals died in herd

North West

Brits, Brits Dierekliniek

Beef: 2

Free State

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2

Vrede, Vrede Dierehospitaal

Beef: 1

Kwazulu-Natal

Mooi River, Mooirivier Vet Clinic

Beef: 1

Mycotoxycosis

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

Dairy								2.0 (1)	
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Western Cape

Malmesbury, Malmesbury Dierehospitaal

Dairy: 2

Other

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

Average	1.0 (1)			1.0 (1)	3.0 (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

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

Balfour, Balfour Dierekliniek

Beef: 1

Chinkerichee toxicity

North West

Schweizer-Reneke, Buffeldoorn Dierekliniek SR

Beef: 1

Photosensitivity in a white cow

Free State

Wesselsbron, Wesselsbron Dierekliniek

Sheep: 3

Xanthium poisoning

Western Cape

Piketberg, Piketberg Dierehospitaal

Sheep: 2

Chinkerinchee poisoning

Poisonings

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)	2.0 (1)		2.0 (1)

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

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

Gauteng

Bronkhorstspuit, Kerkstraat Dierekliniek

Sheep: 2

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 1

Estcourt, Estcourt Vet Clinic

Beef: 2

Eastern Cape

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Sheep: 2

Northern Cape

Postmasburg, Postmasburg Dierekliniek

Sheep: 2

Snake Bite

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

Average	1.0 (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

Beef	1.0 (2)
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Free State

Bultfontein, Greylingrust Dieresprekkamer

Beef: 1

Hoopstad, Hoopstad Dierekliniek

Beef: 1

Chemical products

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

Memel, Memel Veterinary Clinic

Sheep: 2

Macro Nutritional Problems

Energy deficiency

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (4)	2.2 (5)		3.0 (3)	3.0 (2)	2.3 (6)	2.0 (4)	2.0 (4)	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 (3)	2.5 (2)		3.0 (2)	3.0 (2)	2.2 (5)	2.0 (1)	2.0 (1)	3.0 (1)
Dairy		2.0 (1)						2.0 (1)	
Sheep	2.0 (1)	2.0 (1)		3.0 (1)		3.0 (1)	2.0 (2)	2.0 (2)	3.0 (1)
Goat		2.0 (1)					2.0 (1)		3.0 (1)

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 2, Sheep: 2

Grootvlei, Grootvlei Dierekliniek

Beef: 1

Lydenburg, Longtom Dierekliniek

Beef: 3

Gauteng**Bronkhorstspuit, Kerkstraat Dierekliniek**

Beef: 2, Sheep: 2

Hammanskraal, Themba Animal Clinic

Beef: 3, Dairy: 2, Goat: 2

North West**Christiana, Christiana Dierehospitaal**

Beef: 3, Sheep: 3

Ventersdorp, Ventersdorp Dierekliniek

Beef: 3

Free State**Hoopstad, Hoopstad Dierekliniek**

Beef: 3

Memel, Memel Veterinary Clinic

Beef: 3

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

Beef: 2

Dundee, Endumeni Herd health

Beef: 3

Mooi River, Mooirivier Vet Clinic

Beef: 1

Pietermaritzburg, Veterinary House Hospital

Beef: 2

Underberg, Underberg Veterinary Surgery

Beef: 3

Drought

Sheep: 3

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

Sheep: 2, Goat: 2

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Beef: 2, Sheep: 2

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

Sheep: 2

Drought

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 2, Sheep: 2

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
Average	2.3 (4)	2.0 (2)		3.0 (3)	2.7 (3)	2.2 (5)	2.0 (4)	2.0 (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

Beef	2.5 (2)	2.0 (1)		3.0 (2)	2.7 (3)	2.2 (5)	2.0 (1)	2.0 (1)	3.0 (1)
Dairy								2.0 (1)	
Sheep	2.0 (2)			3.0 (1)			2.0 (2)	2.0 (1)	
Goat		2.0 (1)					2.0 (1)		3.0 (1)

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 2, Sheep: 2

Lydenburg, Longtom Dierekliniek

Beef: 3, Sheep: 2

Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 2, Goat: 2

North West

Christiana, Christiana Dierehospitaal

Beef: 3, Sheep: 3

Ventersdorp, Ventersdorp Dierekliniek

Beef: 3

Free State

Hoopstad, Hoopstad Dierekliniek

Beef: 3

Memel, Memel Veterinary Clinic

Beef: 3

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Eshowe, Eshowe Veterinary Hospital

Beef: 3

Mooi River, Mooirivier Vet Clinic

Beef: 1

Pietermaritzburg, Veterinary House Hospital

Beef: 2

Underberg, Underberg Veterinary Surgery

Beef: 3

Drought

Eastern Cape

Aliwal North, Hertzogbrug Dierekliniek

Beef: 2, Sheep: 2

Graaff-Reinet, Camdeboo Veterinary Clinic

Sheep: 2, Goat: 2

Western Cape

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 2, Sheep: 2

Northern Cape

Postmasburg, Postmasburg Dierekliniek

Beef: 3, Goat: 3

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

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

Beef		2.0 (1)		3.0 (1)	2.0 (1)				2.0 (1)
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Gauteng

Bronkhorstspuit, Kerkstraat Dierekliniek

Beef: 2

North West

Christiana, Christiana Dierehospitaal

Beef: 3

Free State

Hoopstad, Hoopstad Dierekliniek

Beef: 2

Northern Cape

Postmasburg, Postmasburg Dierekliniek

Beef: 2

Calcium deficiency

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

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

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

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 2, Sheep: 2

Kwazulu-Natal

Eshowe, Eshowe Veterinary Hospital

Beef: 2

Calcium deficiency in cattle on kikuyu

Mooi River, Mooirivier Vet Clinic

Beef: 1

Underberg, Underberg Veterinary Surgery

Dairy: 3

Eastern Cape

Alexandria, Alexandria Platteland Spreekkamer

Beef: 2

Western Cape

Malmesbury, Malmesbury Dierehospitaal

Dairy: 2

Micro Nutritional Problems

Copper deficiency

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

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

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

Gauteng

Bronkhorstspuit, Kerkstraat Dierekliniek

Beef: 1

Kwazulu-Natal

Underberg, Underberg Veterinary Surgery

Beef: 2

Eastern Cape

Graaff-Reinet, Camdeboo Veterinary Clinic

Sheep: 1

Western Cape

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Sheep: 2

Zinc deficiency

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

Underberg, Underberg Veterinary Surgery

Beef: 2

Selenium deficiency

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

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

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

Mpumalanga

Standerton, Econovet

Beef: 2

North West

Christiana, Christiana Dierehospitaal

Sheep: 3

Free State

Ladybrand, Ladybrand Dierekliniek

Sheep: 2

Kwazulu-Natal

Dundee, Endumeni Herd health

Beef: 3, Sheep: 2

Underberg, Underberg Veterinary Surgery

Beef: 3

Eastern Cape

Graaff-Reinet, Camdeboo Veterinary Clinic

Goat: 1

Western Cape

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Sheep: 2

Northern Cape

Kathu, Kathu Dierekliniek

Sheep: 3

Postmasburg, Postmasburg Dierekliniek

Goat: 3

Magnesium deficiency



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

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

Beef					1.0 (1)				
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Free State

Wesselsbron, Wesselsbron Dierekliniek

Beef: 1

Vitamin A deficiency



PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
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Average	1.0 (2)	3.0 (1)	2.8 (4)
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Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

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

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1, Sheep: 1

North West

Christiana, Christiana Dierehospitaal

Beef: 3

Free State

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2, Sheep: 3

Vitamin B1 deficiency

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

Eastern Cape

Graaff-Reinet, Camdeboo Veterinary Clinic

Goat: 1

Western Cape

Beaufort West, Beaufort West State Vet

Sheep: 2

Feedlots, Vit B1 deficiencies

Stellenbosch, Stellenbosch Animal Hospital

Beef: 1

Nguni bull - encephalomalacia

Sheep: 1

Confirmed cobalt deficiency - sheep on pastures.

Multi-factorial Disease Conditions

Abortions

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (1)			2.0 (2)	2.3 (8)	1.8 (4)		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 (1)			2.0 (1)	2.2 (6)	2.0 (3)		2.0 (1)	
Dairy								1.7 (3)	
Sheep				2.0 (1)	2.5 (2)	1.0 (1)		2.0 (1)	

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 2

North West

Christiana, Christiana Dierehospitaal

Beef: 2, Sheep: 2

Free State

Bloemfontein, Dr Stephan Wessels

Beef: 2

Frankfort, Frankfort Dierekliniek

Beef: 2

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 2

Ladybrand, Ladybrand Dierekliniek

Beef: 2

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2, Sheep: 2

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Dundee, Endumeni Herd health

Beef: 1

Pongola, Pongola Animal Clinic

Sheep: 1

Underberg, Underberg Veterinary Surgery

Beef: 3

Western Cape

George, George Animal Hospital

Dairy: 2

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 2, Sheep: 2

Stellenbosch, Stellenbosch Animal Hospital

Dairy: 1

Stillbirths



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

Free State

Bultfontein, Greylingrust Dieresprekkamer

Beef: 2, Sheep: 2

Frankfort, Frankfort Dierekliniek

Beef: 3

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 2

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Abscesses

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (3)	2.0 (2)	1.0 (1)	2.5 (2)	2.0 (6)	2.7 (3)	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)	2.0 (2)	1.0 (1)		1.7 (3)	2.5 (2)		1.0 (1)	
Sheep	1.0 (2)			2.5 (2)	2.3 (3)	3.0 (1)	2.0 (1)		
Goat								1.0 (2)	

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1, Sheep: 1

Bethal, Bethal Dierekliniek

Sheep: 1

Gauteng

Muldersdrift, Muldersdrift Animal Hospital

Beef: 3

Corynebacterium abscesses

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 1

Limpopo

Modimolle, Kranskop Dierekliniek

Beef: 1

One bull with abscess on head

North West

Stella, Stella Dierekliniek

Sheep: 3

Ventersdorp, Ventersdorp Dierekliniek

Sheep: 2

Free State

Bultfontein, Greylingrust Dieresprekkamer

Beef: 1, Sheep: 2

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Sheep: 2

Ladybrand, Ladybrand Dierekliniek

Beef: 1

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Underberg, Underberg Veterinary Surgery

Beef: 3, Sheep: 3

Eastern Cape

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Sheep: 2

Western Cape

Oudtshoorn, Oudtshoorn Dierekliniek

Goat: 1

Corynebacterium

Stellenbosch, Stellenbosch Animal Hospital

Beef: 1

Beef cow died of multiple liver abscesses.

Goat: 1

Abscesses in general ^

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

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

Beef	2.0 (1)	3.0 (1)			2.5 (2)	2.0 (2)		2.0 (1)	
Dairy					1.0 (1)			3.0 (1)	
Sheep	2.0 (1)	2.0 (2)			2.3 (3)			2.0 (1)	

Goat 2.0 (2) 1.0 (1)

Mpumalanga

Lydenburg, Longtom Dierekliniek

Beef: 2, Sheep: 2

Gauteng

Bronkhorstspuit, Kerkstraat Dierekliniek

Sheep: 1, Goat: 1

Hammanskraal, Themba Animal Clinic

Beef: 3, Sheep: 3, Goat: 3

Free State

Bultfontein, Greylingrust Diersprekkamer

Beef: 2, Sheep: 2

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Senekal, Senekal Dierekliniek

Dairy: 1

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 2

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2

Eastern Cape

Graaff-Reinet, Camdeboo Veterinary Clinic

Goat: 1

Western Cape

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 3, Sheep: 2

Bladder stones

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

North West

Schweizer-Reneke, Buffeldoorn Dierekliniek SR

Beef: 1

Free State

Frankfort, Frankfort Dierekliniek

Sheep: 2

Senekal, Senekal Dierekliniek

Beef: 1, Sheep: 1

Blindness

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average					2.0 (7)	1.5 (2)	1.0 (1)	2.0 (2)	

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

Beef					2.0 (4)	2.0 (1)			
Dairy						1.0 (1)		2.0 (1)	
Sheep					2.0 (3)			2.0 (1)	
Goat							1.0 (1)		

Free State

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 2

Senekal, Senekal Dierekliniek

Beef: 1

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2, Sheep: 2

Wesselsbron, Wesselsbron Dierekliniek

Sheep: 1

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Dundee, Endumeni Herd health

Dairy: 1

Eastern Cape

Graaff-Reinet, Camdeboo Veterinary Clinic

Goat: 1

Western Cape

Heidelberg (WC), Heidelberg Dierekliniek

Sheep: 2

Malmesbury, Malmesbury Dierehospitaal

Dairy: 2

Bloat

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

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

Beef	2.0 (1)	1.5 (2)		1.0 (1)		2.0 (2)		2.0 (1)
Dairy		1.0 (1)						1.3 (3)
Sheep	2.0 (1)	1.0 (1)						
Goat		2.0 (1)						

Mpumalanga

Lydenburg, Longtom Dierekliniek

Sheep: 2

Nelspruit, Nelspruit Animal Hospital

Beef: 2

Gauteng

Bronkhorstspuit, Kerkstraat Dierekliniek

Beef: 1, Dairy: 1

Hammanskraal, Themba Animal Clinic

Beef: 2, Goat: 2

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Sheep: 1

North West

Rustenburg, Bergbos Dierekliniek

Beef: 1

Kwazulu-Natal

Dundee, Endumeni Herd health

Beef: 2

Pietermaritzburg, Veterinary House Hospital

Beef: 2

Western Cape

Malmesbury, Invitrotech

Dairy: 1

One case

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 2

Stellenbosch, Stellenbosch Animal Hospital

Dairy: 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)

Western Cape

Heidelberg (WC), Heidelberg Dierekliniek

Sheep: 2

Blue udder

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

Dairy	2.0 (1)		2.0 (1)		
Sheep		2.7 (3)		1.0 (1)	2.0 (2)

Gauteng

Bronkhorstspuit, Kerkstraat Dierekliniek

Dairy: 2

Free State

Frankfort, Frankfort Dierekliniek

Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Sheep: 3

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 2

Kwazulu-Natal

Dundee, Endumeni Herd health

Dairy: 2

Eastern Cape

Graaff-Reinet, Camdeboo Veterinary Clinic

Sheep: 1

Western Cape

Caledon, Caledon Dierekliniek

Sheep: 2

Heidelberg (WC), Heidelberg Dierekliniek

Sheep: 2

Diarrhoea [^](#)

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.4 (8)	2.3 (4)		2.5 (4)	2.7 (26)	2.3 (15)	1.0 (1)	2.8 (4)	

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

Beef	2.4 (5)	2.5 (2)		2.5 (2)	2.8 (13)	2.5 (8)	1.0 (1)	2.0 (1)	
Dairy					2.5 (2)	2.0 (1)		3.0 (2)	
Sheep	2.5 (2)	2.0 (1)		2.5 (2)	2.7 (11)	2.0 (4)		3.0 (1)	
Goat	2.0 (1)	2.0 (1)				2.0 (2)			

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1

Grootvlei, Grootvlei Dierekliniek

Beef: 2

Lydenburg, Longtom Dierekliniek

Beef: 3, Sheep: 2

Middelburg, Middelburg Dierehospitaal

Beef: 3, Sheep: 3

Middelburg, Neil Fourie Veeartsenydienste

Beef: 3

Calves

Nelspruit, Nelspruit Animal Hospital

Goat: 2

Gauteng**Bronkhorstspuit, Kerkstraat Dierekliniek**

Beef: 2

Hammanskraal, Themba Animal Clinic

Beef: 3, Sheep: 2, Goat: 2

North West**Christiana, Christiana Dierehospitaal**

Beef: 3, Sheep: 3

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 2, Sheep: 2

Free State**Bloemfontein, Dr Stephan Wessels**

Beef: 3, Sheep: 3

Bultfontein, Greylingrust Dierspreekkamer

Beef: 3, Sheep: 3

Clocolan, Clocolan Dierekliniek

Beef: 3, Dairy: 2, Sheep: 3

Frankfort, Frankfort Dierekliniek

Beef: 3, Sheep: 2

Harrismith, Harrismith Dierehospitaal

Beef: 3, Sheep: 3

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 3, Dairy: 3, Sheep: 3

Memel, Memel Veterinary Clinic

Beef: 3, Sheep: 3

Reitz, Riemland Dierehospitaal

Beef: 3

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 3, Sheep: 3

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2, Sheep: 3

Vrede, Vrede Dierehospitaal

Beef: 3

Calves

Wesselsbron, Wesselsbron Dierekliniek

Beef: 1, Sheep: 1

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

Beef: 3

Bergville, Tugela Vet Clinic

Beef: 2, Sheep: 2, Goat: 2

Dundee, Endumeni Herd health

Beef: 3

Estcourt, Estcourt Vet Clinic

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

Mooi River, Mooirivier Vet Clinic

Beef: 2, Sheep: 1

Pietermaritzburg, Veterinary House Hospital

Beef: 2

Underberg, Underberg Veterinary Surgery

Beef: 3, Sheep: 3

Vryheid, Vryheid Privaat Veeartse

Beef: 3

Eastern Cape

Uitenhage, Uitenhage Dierehospitaal

Beef: 1

Western Cape

Darling, Tygerberg Dierehospitaal Darling

Dairy: 3

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 3, Sheep: 3

Epididymitis

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

Sheep					2.0 (2)				
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Free State

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 2

Wesselsbron, Wesselsbron Dierekliniek

Sheep: 2

Eye Cancer

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

Sheep

2.0
(1)

Free State

Clocolan, Clocolan Dierekliniek

Dairy: 2, Sheep: 2

Hoopstad, Hoopstad Dierekliniek

Beef: 2

Kroonstad, Kroonstad Dierehospitaal

Dairy: 2

Senekal, Senekal Dierekliniek

Beef: 1, Dairy: 1

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Western Cape

Malmesbury, Malmesbury Dierehospitaal

Dairy: 2

Stellenbosch, Stellenbosch Animal Hospital

Beef: 1

Eye infections



PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.2 (10)	2.4 (5)		2.7 (6)	2.6 (20)	2.0 (10)	2.0 (4)	2.2 (6)	

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

Beef	2.3 (7)	3.0 (2)		2.6 (5)	2.6 (11)	2.0 (6)	3.0 (1)	2.3 (3)	
Dairy					2.5 (2)	2.5 (2)		2.0 (2)	
Sheep	2.0 (3)	2.0 (1)		3.0 (1)	2.4 (7)		2.0 (2)	2.0 (1)	
Goat		2.0 (2)				1.5 (2)	1.0 (1)		

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 2, Sheep: 2

Grootvlei, Grootvlei Dierekliniek

Beef: 2

Lydenburg, Longtom Dierekliniek

Beef: 2, Sheep: 2

Middelburg, Middelburg Dierehospitaal

Beef: 1

Middelburg, Neil Fourie Veeartsenydienste

Beef: 3

Nelspruit, Nelspruit Animal Hospital

Beef: 3

Standerton, Econovet

Beef: 3, Sheep: 2

Gauteng

Bronkhorstspuit, Kerkstraat Dierekliniek

Beef: 3, Sheep: 2, Goat: 2

Hammanskraal, Themba Animal Clinic

Beef: 3, Goat: 2

North West

Brits, Brits Dierekliniek

Beef: 2

Christiana, Christiana Dierehospitaal

Beef: 3

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 3, Sheep: 3

Rustenburg, Bergbos Dierekliniek

Beef: 2

Ventersdorp, Ventersdorp Dierekliniek

Beef: 3

Severe conjunctivitis, worse than previous years

Free State

Bloemfontein, Dr Stephan Wessels

Beef: 2

Bultfontein, Greylingrust Dieresprekkamer

Beef: 2

Clocolan, Clocolan Dierekliniek

Beef: 3, Dairy: 3, Sheep: 3

Harrismith, Harrismith Dierehospitaal

Sheep: 2

Kroonstad, Kroonstad Dierehospitaal

Beef: 3, Sheep: 2

Ladybrand, Ladybrand Dierekliniek

Beef: 3

Memel, Memel Veterinary Clinic

Beef: 3

Reitz, Riemland Dierehospitaal

Beef: 2, Sheep: 2

Senekal, Senekal Dierekliniek

Beef: 2, Dairy: 2, Sheep: 2

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 3, Sheep: 3

Vrede, Vrede Dierehospitaal

Beef: 3

Wesselsbron, Wesselsbron Dierekliniek

Beef: 3, Sheep: 3

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 3

Dundee, Endumeni Herd health

Beef: 2, Dairy: 2

Mooi River, Mooirivier Vet Clinic

Beef: 2

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2, Goat: 2

Pongola, Pongola Animal Clinic

Beef: 1, Goat: 1

Underberg, Underberg Veterinary Surgery

Dairy: 3

Vryheid, Vryheid Privaat Veeartse

Beef: 2

Eastern Cape**Alexandria, Alexandria Platteland Spreekkamer**

Beef: 3

Graaff-Reinet, Camdeboo Veterinary Clinic

Sheep: 1

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Sheep: 3

Uitenhage, Uitenhage Dierehospitaal

Goat: 1

Western Cape**Caledon, Caledon Dierekliniek**

Dairy: 1

George, George Animal Hospital

Beef: 3

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 3, Sheep: 2

Stellenbosch, Stellenbosch Animal Hospital

Beef: 2

Joint Ill

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (1)			1.5 (2)	1.6 (5)	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)			1.5 (2)	1.3 (3)	2.0 (2)			
Sheep					2.0 (2)		2.0 (1)		

Mpumalanga**Lydenburg, Longtom Dierekliniek**

Beef: 2

North West**Christiana, Christiana Dierehospitaal**

Beef: 2

Schweizer-Reneke, Buffeldoorn Dierekliniek SR

Beef: 1

Free State**Bultfontein, Greylingrust Dierespreekkamer**

Sheep: 2

Clocolan, Clocolan Dierekliniek

Beef: 1

Frankfort, Frankfort Dierekliniek

Beef: 2

Kroonstad, Kroonstad Dierehospitaal

Sheep: 2

Wesselsbron, Wesselsbron Dierekliniek

Beef: 1

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Dundee, Endumeni Herd health

Beef: 2

Eastern Cape

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Sheep: 2

Lameness/ Foot Problems

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.4 (5)	1.8 (6)		3.0 (2)	1.7 (9)	2.0 (3)		2.2 (5)	

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

Beef	1.3 (4)	2.0 (2)		3.0 (1)	1.7 (7)	1.5 (2)		1.5 (2)	
Dairy						3.0 (1)		3.0 (2)	
Sheep	2.0 (1)	2.0 (2)		3.0 (1)	1.5 (2)			2.0 (1)	
Goat		1.5 (2)							

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1

Grootvlei, Grootvlei Dierekliniek

Beef: 1

Lydenburg, Longtom Dierekliniek

Beef: 2, Sheep: 2

Middelburg , Middelburg Dierehospitaal

Beef: 1

Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 3, Sheep: 1, Goat: 2

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 1, Sheep: 3, Goat: 1

North West

Christiana, Christiana Dierehospitaal

Beef: 3, Sheep: 3

Free State

Bloemfontein, Dr Stephan Wessels

Beef: 2

Bultfontein, Greylingrust Dieresprekkamer

Beef: 2

Frankfort, Frankfort Dierekliniek

Beef: 2

Harrismith, Harrismith Dierehospitaal

Beef: 1, Sheep: 1

Kroonstad, Kroonstad Dierehospitaal

Beef: 1

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 3

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 1, Sheep: 2

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

Beef: 2

Mooi River, Mooirivier Vet Clinic

Beef: 1

Underberg, Underberg Veterinary Surgery

Dairy: 3

Western Cape**George, George Animal Hospital**

Dairy: 3

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 3, Sheep: 2

Worcester, Durban Straat Dierekliniek Worcester

Beef: 1

Lung infection

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.7 (3)	1.0 (2)		2.7 (3)	2.2 (15)	1.8 (8)	1.7 (3)	2.4 (11)	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	1.7 (3)	1.0 (1)		2.5 (2)	2.3 (6)	1.7 (6)		2.3 (3)	2.0 (1)
Dairy								2.7 (3)	
Sheep		1.0 (1)		3.0 (1)	2.1 (9)	2.0 (1)	1.5 (2)	2.2 (5)	
Goat						2.0 (1)	2.0 (1)		

Mpumalanga**Balfour, Balfour Dierekliniek**

Beef: 2

Bethal, Bethal Dierekliniek

Beef: 2

Grootvlei, Grootvlei Dierekliniek

Beef: 1

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

Beef: 1, Sheep: 1

North West**Brits, Brits Dierekliniek**

Beef: 2

Christiana, Christiana Dierehospitaal

Beef: 3, Sheep: 3

Free State

Bultfontein, Greylingrust Dieresprekkamer

Sheep: 1

Clocolan, Clocolan Dierekliniek

Beef: 3, Sheep: 3

Frankfort, Frankfort Dierekliniek

Beef: 3

Harrismith, Harrismith Dierehospitaal

Sheep: 2

Kroonstad, Kroonstad Dierehospitaal

Beef: 2

Ladybrand, Ladybrand Dierekliniek

Beef: 2, Sheep: 2

Philippolis, Rowelsfontein veearts Spreekkamer

Sheep: 3

Reitz, Riemland Dierehospitaal

Beef: 2, Sheep: 2

Senekal, Senekal Dierekliniek

Sheep: 2

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 2, Sheep: 2

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 2

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Bergville, Tugela Vet Clinic

Beef: 2, Sheep: 2, Goat: 2

Dundee, Endumeni Herd health

Beef: 1

Mooi River, Mooirivier Vet Clinic

Beef: 1

Newcastle, Ncanduvet Newcastle

Beef: 1

Pietermaritzburg, Veterinary House Hospital

Beef: 3

Eastern Cape

Graaff-Reinet, Camdeboo Veterinary Clinic

Sheep: 2, Goat: 2

Uitenhage, Uitenhage Dierehospitaal

Sheep: 1

Western Cape

Beaufort West, Beaufort West State Vet

Sheep: 2

Around feed troughs

Caledon, Caledon Dierekliniek

Dairy: 2

Darling, Tygerberg Dierehospitaal Darling

Dairy: 3

George, George Animal Hospital

Sheep: 3

Malmesbury, Groenkloof Dierekliniek

Beef: 2

Calves bought in, a few deaths due to pasteurellosis

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 3, Sheep: 2

Oudtshoorn, Ostrimed

Beef: 3

Pneumonia severe after short thunderstorm dust – farm feedlot system, peracute mortalities

Sheep: 3

Pneumonia severe after short thunderstorm dust – farm feedlot system, peracute mortalities

Worcester, Durban Straat Dierekliniek Worcester

Sheep: 1

Northern Cape

Postmasburg, Postmasburg Dierekliniek

Beef: 2

Mastitis in general									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (2)	1.0 (1)		3.0 (2)	2.3 (6)	2.0 (5)	1.5 (2)	2.7 (6)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef	1.0 (1)	1.0 (1)		3.0 (1)	2.0 (3)	1.8 (4)		2.0 (1)	
Dairy					3.0 (1)	3.0 (1)		2.8 (5)	
Sheep	1.0 (1)			3.0 (1)	2.5 (2)		1.5 (2)		

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1, Sheep: 1

Gauteng

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 1

North West

Christiana, Christiana Dierehospitaal

Beef: 3, Sheep: 3

Free State

Bloemfontein, Dr Stephan Wessels

Beef: 3

Harrismith, Harrismith Dierehospitaal

Sheep: 2

Kroonstad, Kroonstad Dierehospitaal

Beef: 2, Sheep: 3

Senekal, Senekal Dierekliniek

Dairy: 3

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 1

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Bergville, Tugela Vet Clinic

Beef: 1

Mooi River, Mooirivier Vet Clinic

Beef: 2

Pongola, Pongola Animal Clinic

Beef: 2

Underberg, Underberg Veterinary Surgery

Dairy: 3

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

Sheep: 1

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Sheep: 2

Western Cape**Caledon, Caledon Dierekliniek**

Dairy: 3

Darling, Tygerberg Dierehospitaal Darling

Dairy: 3

George, George Animal Hospital

Dairy: 3

Malmesbury, Invitrotech

Dairy: 2

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 3

Navel III

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

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

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

Mpumalanga**Balfour, Balfour Dierekliniek**

Beef: 1

Lydenburg, Longtom Dierekliniek

Beef: 2

Free State**Harrismith, Harrismith Dierehospitaal**

Beef: 1

Senekal, Senekal Dierekliniek

Beef: 1

Viljoenskroon, Viljoenskroon Dierekliniek

Sheep: 2

Kwazulu-Natal**Newcastle, Ncanduvet Newcastle**

Sheep: 1

Western Cape**Darling, Tygerberg Dierehospitaal Darling**

Dairy: 2

Red gut (Sheep – torsion of the gut)

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

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

Sheep							1.0 (1)		
Goat							2.0 (1)		

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

Sheep: 1, Goat: 2

Trauma

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

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

Beef					3.0 (1)				
Dairy								2.0 (1)	

Free State**Clocolan, Clocolan Dierekliniek**

Beef: 3

Western Cape**Malmesbury, Invitrotech**

Dairy: 2

Seven cases

Downer

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (2)	2.0 (4)			1.8 (6)	3.0 (1)	2.0 (2)	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	1.0 (2)	2.0 (3)		1.8 (5)	3.0 (1)	3.0 (1)		2.5 (2)
Dairy						1.0 (1)	3.0 (1)	
Sheep		2.0 (1)		2.0 (1)				

Mpumalanga

Grootvlei, Grootvlei Dierekliniek

Beef: 1

Lydenburg, Longtom Dierekliniek

Beef: 1

Gauteng

Bronkhorstspuit, Kerkstraat Dierekliniek

Beef: 2, Sheep: 2

Hamanskraal, Themba Animal Clinic

Beef: 2

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 2

Nine cases, protein, energy malnutrition

Free State

Bultfontein, Greylingrust Diersprekkamer

Beef: 1, Sheep: 2

Frankfort, Frankfort Dierekliniek

Beef: 2

Harrismith, Harrismith Dierehospitaal

Beef: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 2

Wesselsbron, Wesselsbron Dierekliniek

Beef: 1

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 3

Eastern Cape

Adelaide, Adelaide Veterinary Clinic

Beef: 3

Graaff-Reinet, Camdeboo Veterinary Clinic

Dairy: 1

Western Cape

Malmesbury, Invitrotech

Dairy: 3

18 cases

Northern Cape

Postmasburg, Postmasburg Dierekliniek

Beef: 2

Upington, Upington Veeartsenykliniek

Beef: 3

Other ^

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

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

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

Gauteng

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 1

Rumen impaction

North West

Brits, Brits Dierekliniek

Beef: 2

Western Cape

Malmesbury, Invitrotech

Dairy: 3

146 cows culled (NFI) Too low netto farming income

Wet carcasses Yellow cascses at abattoir

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

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

Sheep									2.5 (2)
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Northern Cape

De Aar, De Aar Veterinary Clinic

Sheep: 2

Mainly in poor condition sheep

Upington, Upington Veeartsenykliniek

Sheep: 3

Stress, sheep transported from Namibia, takes too long. Slaughtered on arrival.

Metabolic Diseases

Acidosis

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average		2.0 (1)		2.0 (1)	2.1 (9)	2.5 (2)	2.0 (1)	2.1 (11)	

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

Beef				2.0 (1)	2.5 (2)	2.5 (2)		2.3 (3)	
Dairy					1.0 (1)			2.0 (2)	

Sheep		2.2 (6)		2.2 (5)
Goat	2.0 (1)		2.0 (1)	1.0 (1)
Gauteng				
Hammanskraal, Themba Animal Clinic				
Goat: 2				
North West				
Brits, Brits Dierekliniek				
Beef: 2				
Free State				
Bultfontein, Greylingrust Diersprekkamer				
Sheep: 1				
Clocolan, Clocolan Dierekliniek				
Sheep: 2				
Ficksburg, Oosvrystaat Diere Produkte				
Dairy: 1				
Hoopstad, Hoopstad Dierekliniek				
Beef: 3, Sheep: 3				
Ladybrand, Ladybrand Dierekliniek				
Sheep: 3				
Philippolis, Rowelsfontein veearts Spreekkamer				
Sheep: 2				
Reitz, Riemland Dierehospitaal				
Beef: 2				
Wesselsbron, Wesselsbron Dierekliniek				
Sheep: 2				
Kwazulu-Natal				
Bergville, Bergville Veterinary Clinic				
Beef: 2				
Eshowe, Eshowe Veterinary Hospital				
Beef: 3				
Eastern Cape				
Witelsbos, Witelsbos Veterinary Consulting Rooms				
Goat: 2				
Western Cape				
Beaufort West, Beaufort West State Vet				
Sheep: 2				
Poor adaptation				
Heidelberg (WC), Heidelberg Dierekliniek				
Sheep: 2				
Malmesbury, Malmesbury Dierehospitaal				
Beef: 2, Dairy: 3				
Oudtshoorn, Ostrimed				
Goat: 1				
Piketberg, Piketberg Dierehospitaal				
Beef: 2				
Chronic acidosis, grazing on harvested fields				
Sheep: 2				
Chronic acidosis, grazing on harvested fields				
Stellenbosch, Stellenbosch Animal Hospital				
Dairy: 1				
Vredenburg, Vredenburg Dierehospitaal				
Beef: 3, Sheep: 3				
Worcester, Durban Straat Dierekliniek Worcester				

Sheep: 2

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

Free State

Memel, Memel Veterinary Clinic

Beef: 1

Kwazulu-Natal

Dundee, Endumeni Herd health

Dairy: 3

Underberg, Underberg Veterinary Surgery

Dairy: 3

One farm

Western Cape

Malmesbury, Malmesbury Dierehospitaal

Dairy: 2

Ketosis

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

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

Beef		2.0 (1)							
Dairy						2.0 (1)		3.0 (1)	
Sheep		2.0 (1)			3.0 (3)			1.0 (1)	

Gauteng

Bronkhorstspuit, Kerkstraat Dierekliniek

Beef: 2, Sheep: 2

Free State

Clocolan, Clocolan Dierekliniek

Sheep: 3

Frankfort, Frankfort Dierekliniek

Sheep: 3

Hoopstad, Hoopstad Dierekliniek

Sheep: 3

Kwazulu-Natal

Dundee, Endumeni Herd health

Dairy: 2

Western Cape

Caledon, Caledon Dierekliniek

Sheep: 1

Malmesbury, Malmesbury Dierehospitaal

Dairy: 3

Milk Fever

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

Dairy					1.0 (1)			2.0 (1)	
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Free State

Wesselsbron, Wesselsbron Dierekliniek

Dairy: 1

Western Cape

Malmesbury, Malmesbury Dierehospitaal

Dairy: 2

Reproductive diseases

Dystocia (Difficult Births)

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.3 (8)	1.8 (4)	1.0 (1)	2.6 (7)	2.3 (25)	1.9 (12)	2.0 (1)	2.0 (6)	2.0 (2)

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

Beef	2.3 (6)	2.0 (3)	1.0 (1)	2.5 (6)	2.4 (16)	1.9 (11)	2.0 (1)	2.5 (2)	2.0 (1)
Dairy					2.0 (1)			1.7 (3)	
Sheep	2.0 (2)	1.0 (1)		3.0 (1)	2.1 (8)	2.0 (1)		2.0 (1)	
Goat									2.0 (1)

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 2

Bethal, Bethal Dierekliniek

Beef: 2

Grootvlei, Grootvlei Dierekliniek

Beef: 2, Sheep: 2

Lydenburg, Longtom Dierekliniek

Beef: 2, Sheep: 2

Middelburg, Middelburg Dierehospitaal

Beef: 3

Middelburg, Neil Fourie Veeartsenydienste

Beef: 3

Gauteng**Bronkhorstspuit, Kerkstraat Dierekliniek**

Beef: 2

Muldersdrift, Muldersdrift Animal Hospital

Beef: 2

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 2, Sheep: 1

Limpopo**Modimolle, Kranskop Dierekliniek**

Beef: 1

North West**Brits, Brits Dierekliniek**

Beef: 2

Christiana, Christiana Dierehospitaal

Beef: 3, Sheep: 3

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 2

Rustenburg, Bergbos Dierekliniek

Beef: 2

Stella, Stella Dierekliniek

Beef: 3

Ventersdorp, Ventersdorp Dierekliniek

Beef: 3

Free State**Bloemfontein, Dr Stephan Wessels**

Beef: 2

Bultfontein, Greylingrust Dieresprekkamer

Beef: 2, Sheep: 2

Clocolan, Clocolan Dierekliniek

Beef: 3, Sheep: 2

Ficksburg, Oosvrystaat Dier Produkte

Beef: 2

Frankfort, Frankfort Dierekliniek

Beef: 3, Sheep: 2

Harrismith, Harrismith Dierehospitaal

Beef: 2, Sheep: 2

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 3, Dairy: 2

Memel, Memel Veterinary Clinic

Beef: 2

Parys, Parys Dierehospitaal

Beef: 2

Reitz, Riemland Dierehospitaal

Beef: 3, Sheep: 2

Senekal, Senekal Dierekliniek

Beef: 3, Sheep: 2

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 2

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2, Sheep: 2

Vrede, Vrede Dierehospitaal

Beef: 3

Wesselsbron, Wesselsbron Dierekliniek

Beef: 2

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Bergville, Tugela Vet Clinic

Beef: 2

Dundee, Endumeni Herd health

Beef: 2

Eshowe, Eshowe Veterinary Hospital

Beef: 1

Estcourt, Estcourt Vet Clinic

Beef: 2

Moi River, Mooirivier Vet Clinic

Beef: 2

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2

Newcastle, Ncanduvet Newcastle

Beef: 3, Sheep: 2

Pietermaritzburg, Veterinary House Hospital

Beef: 2

Pongola, Pongola Animal Clinic

Beef: 1

Underberg, Underberg Veterinary Surgery

Beef: 2

Eastern Cape

Alexandria, Alexandria Platteland Spreekkamer

Beef: 2

Western Cape

Darling, Tygerberg Dierehospitaal Darling

Beef: 3

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 2

Oudtshoorn, Ostrimed

Sheep: 2

Tough environment

Stellenbosch, Stellenbosch Animal Hospital

Dairy: 1

Swellendam, Swellendam Dierehospitaal

Dairy: 2

Northern Cape

Postmasburg, Postmasburg Dierekliniek

Beef: 2, Goat: 2

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average					2.3 (3)	2.0 (1)		2.8 (4)	

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

Beef					2.5 (2)			2.0 (1)	
Dairy					2.0 (1)	2.0 (1)		3.0 (3)	

Free State

Clocolan, Clocolan Dierekliniek

Beef: 2

Hoopstad, Hoopstad Dierekliniek

Beef: 3

Kroonstad, Kroonstad Dierehospitaal

Dairy: 2

Kwazulu-Natal

Estcourt, Estcourt Vet Clinic

Dairy: 2

Western Cape

Caledon, Caledon Dierekliniek

Dairy: 3

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 3

Swellendam, Swellendam Dierehospitaal

Dairy: 3

Metritis



PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average				3.0 (2)	2.5 (4)	2.0 (2)	2.0 (2)	2.6 (5)	

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

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

North West

Christiana, Christiana Dierehospitaal

Beef: 3, Sheep: 3

Free State

Bloemfontein, Dr Stephan Wessels

Beef: 2

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Senekal, Senekal Dierekliniek

Dairy: 2

Kwazulu-Natal**Mooi River, Mooirivier Vet Clinic**

Beef: 1

Underberg, Underberg Veterinary Surgery

Dairy: 3

Eastern Cape**Alexandria, Alexandria Platteland Spreekkamer**

Beef: 1

Kareedouw, Tenax Vet Clinic

Dairy: 3

21 Cases

Western Cape**Caledon, Caledon Dierekliniek**

Dairy: 3

Darling, Tygerberg Dierehospitaal Darling

Dairy: 3

Malmesbury, Malmesbury Dierehospitaal

Beef: 1, Dairy: 3

Swellendam, Swellendam Dierehospitaal

Dairy: 3

Poor conception

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (1)					2.0 (1)	3.0 (1)	2.2 (5)	2.0 (1)

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

Beef	2.0 (1)					2.0 (1)		2.0 (1)	
Dairy								2.3 (3)	
Sheep							3.0 (1)	2.0 (1)	2.0 (1)

Mpumalanga**Balfour, Balfour Dierekliniek**

Beef: 2

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

Beef: 2

Eastern Cape**Witelsbos, Witelsbos Veterinary Consulting Rooms**

Sheep: 3

Western Cape**Malmesbury, Invitrotech**

Dairy: 2

Two cows culled due to reproduction

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 2, Sheep: 2

Swellendam, Swellendam Dierehospitaal

Dairy: 3

Northern Cape

De Aar, De Aar Veterinary Clinic

Sheep: 2

Poor conception due to drought conditions

Retained afterbirth

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

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1

Grootvlei, Grootvlei Dierekliniek

Beef: 1

Lydenburg, Longtom Dierekliniek

Beef: 1, Sheep: 1

Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 1, Sheep: 1

North West

Christiana, Christiana Dierehospitaal

Beef: 1

Free State

Bloemfontein, Dr Stephan Wessels

Beef: 2

Harrismith, Harrismith Dierehospitaal

Beef: 1

Hoopstad, Hoopstad Dierekliniek

Beef: 2

Ladybrand, Ladybrand Dierekliniek

Beef: 1

Philippolis, Rowelsfontein veearts Spreekkamer

Beef: 1

Senekal, Senekal Dierekliniek

Beef: 1

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 3

Mooi River, Mooirivier Vet Clinic

Beef: 1

Pongola, Pongola Animal Clinic

Beef: 1

Western Cape**Malmesbury, Malmesbury Dierehospitaal**

Dairy: 3

Stellenbosch, Stellenbosch Animal Hospital

Dairy: 1

Sheath Prolaps

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average					1.5 (2)	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					1.5 (2)	1.0 (3)			
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Free State**Harrismith, Harrismith Dierehospitaal**

Beef: 1

Hoopstad, Hoopstad Dierekliniek

Beef: 2

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

Beef: 1

Mtubatuba, Mtubatuba Animal Clinic

Beef: 1

Pietermaritzburg, Veterinary House Hospital

Beef: 1

Uterus prolaps

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.7 (3)	2.0 (2)			1.9 (10)	1.3 (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

Beef	2.0 (2)	2.0 (2)			1.9 (7)	1.3 (4)		2.0 (1)	
Dairy								1.0 (1)	
Sheep	1.0 (1)				2.0 (3)				

Mpumalanga**Bethal, Bethal Dierekliniek**

Beef: 2, Sheep: 1

Middelburg, Neil Fourie Veeartsenydienste

Beef: 2

Gauteng**Bronkhorstspuit, Kerkstraat Dierekliniek**

Beef: 2

Hammanskraal, Themba Animal Clinic

Beef: 2

Free State**Bultfontein, Greylingrust Diersprekkamer**

Beef: 1, Sheep: 1

Clocolan, Clocolan Dierekliniek

Beef: 2

Ficksburg, Oosvrystaat Diere Produkte

Beef: 2

Frankfort, Frankfort Dierekliniek

Beef: 3, Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Sheep: 2

Memel, Memel Veterinary Clinic

Beef: 1

Reitz, Riemland Dierehospitaal

Beef: 2

Senekal, Senekal Dierekliniek

Beef: 2

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

Beef: 2

Dundee, Endumeni Herd health

Beef: 1

Eshowe, Eshowe Veterinary Hospital

Beef: 1

Pietermaritzburg, Veterinary House Hospital

Beef: 1

Western Cape**Malmesbury, Malmesbury Dierehospitaal**

Dairy: 1

Worcester, Durban Straat Dierekliniek Worcester

Beef: 2

Vaginal (Cervical) prolaps									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	3.0 (1)	1.5 (2)	1.0 (1)		2.0 (10)	1.6 (5)		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)	1.5 (2)	1.0 (1)		2.1 (7)	1.6 (5)			2.0 (1)
Sheep					1.7 (3)			3.0 (1)	

Mpumalanga**Middelburg, Neil Fourie Veeartsenydienste**

Beef: 3

Gauteng**Hammanskraal, Themba Animal Clinic**

Beef: 1

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 2

Limpopo**Modimolle, Kranskop Dierekliniek**

Beef: 1

Free State**Clocolan, Clocolan Dierekliniek**

Beef: 3

Frankfort, Frankfort Dierekliniek

Beef: 2

Harrismith, Harrismith Dierehospitaal

Beef: 1, Sheep: 1

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Ladybrand, Ladybrand Dierekliniek

Beef: 2, Sheep: 1

Reitz, Riemland Dierehospitaal

Beef: 2

Senekal, Senekal Dierekliniek

Beef: 2

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

Beef: 2

Dundee, Endumeni Herd health

Beef: 2

Eshowe, Eshowe Veterinary Hospital

Beef: 1

Estcourt, Estcourt Vet Clinic

Beef: 1

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2

Western Cape**Oudtshoorn, Ostrimed**

Sheep: 3

Around lambing, mild to severe

Northern Cape**Postmasburg, Postmasburg Dierekliniek**

Beef: 2

Climatical Cause**Cold exposure**

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

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

Sheep	1.0 (1)
Goat	1.0 (1)

Kwazulu-Natal

Pongola, Pongola Animal Clinic

Sheep: 1, Goat: 1

Drought

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

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

Mpumalanga

Lydenburg, Longtom Dierekliniek

Beef: 3, Sheep: 3, Goat: 3

Free State

Philippolis, Rowelsfontein veearts Spreekkamer

Sheep: 3

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2, Sheep: 2

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 3

Pietermaritzburg, Veterinary House Hospital

Beef: 3

Eastern Cape

Adelaide, Adelaide Veterinary Clinic

Beef: 3

Extreme drought

Sheep: 3

Graaff-Reinet, Camdeboo Veterinary Clinic

Sheep: 3, Goat: 3

Northern Cape

Upington, Upington Veeartsenykliniek

Beef: 3

Freak cloud burst in Upington, 90 mm of rain. Very dry in Northern Cape

Sheep: 3

Carcases condemned due to watery carcasses, very poor condition

Heat stress

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.3 (3)				1.0 (1)	2.0 (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 (2)				1.0 (1)	2.0 (1)		3.0 (1)	
Dairy								3.0 (1)	
Sheep	3.0 (1)							3.0 (1)	

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1

Lydenburg, Longtom Dierekliniek

Beef: 3, Sheep: 3

Free State

Harrismith, Harrismith Dierehospitaal

Beef: 1

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Western Cape

Malmesbury, Malmesbury Dierehospitaal

Beef: 3, Dairy: 3, Sheep: 3

Lightning



PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (2)	1.0 (1)		1.0 (1)	2.6 (5)	2.5 (2)			

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

Beef	1.0 (2)	1.0 (1)		1.0 (1)	2.5 (4)	2.5 (2)			
Sheep					3.0 (1)				

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1

Bethal, Bethal Dierekliniek

Beef: 1

Gauteng

Bronkhorstspuit, Kerkstraat Dierekliniek

Beef: 1

North West

Christiana, Christiana Dierehospitaal

Beef: 1

Free State**Frankfort, Frankfort Dierekliniek**

Beef: 3, Sheep: 3

Harrismith, Harrismith Dierehospitaal

Beef: 2

Memel, Memel Veterinary Clinic

Beef: 2

Vrede, Vrede Dierehospitaal

Beef: 3

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

Beef: 2

Dundee, Endumeni Herd health

Beef: 3

Non specific diseases**Cause of death not established**

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

Free State**Villiers, Wilgepoort Dierekliniek Vennootskap**

Sheep: 2

Western Cape**Malmesbury, Invitrotech**

Dairy: 3

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)	

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

Beef						1.0 (1)			
Dairy								1.0 (1)	

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

Beef: 1

Western Cape

Malmesbury, Invitrotech

Dairy: 1

Hermaphrodite

Preditors

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (2)	1.0 (1)			2.4 (5)				

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

Beef	2.0 (1)	1.0 (1)			2.0 (2)				
Sheep	2.0 (1)				2.7 (3)				

Mpumalanga

Lydenburg, Longtom Dierekliniëk

Beef: 2, Sheep: 2

Gauteng

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 1

Dog bites

Free State

Clocolan, Clocolan Dierekliniëk

Beef: 2, Sheep: 3

Philippolis, Rowelsfontein veearts Spreekkamer

Sheep: 2

Villiers, Wilgepoort Dierekliniëk Vennootskap

Beef: 2, Sheep: 3

Sabotage/Theft

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

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

Beef	3.0 (1)				3.0 (1)	3.0 (1)			
Dairy					3.0 (1)				
Sheep	3.0 (1)				3.0 (3)				

Mpumalanga**Lydenburg, Longtom Dierekliniek**

Beef: 3, Sheep: 3

Free State**Bultfontein, Greylingrust Dieresprekkamer**

Sheep: 3

Clocolan, Clocolan Dierekliniek

Beef: 3, Dairy: 3, Sheep: 3

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 3

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

Beef: 3

Trauma

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

Beef		1.0 (1)							
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Gauteng**Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic**

Beef: 1

Frctures

Traumatic Reticulo-pericarditis

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

Beef		1.0 (1)		1.0 (1)					
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Gauteng**Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic**

Beef: 1

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

Beef: 1