

# 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

## December 2019

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

These reports include data from individual practices

Click on Disease Reports

The following practices and laboratories (130) submitted reports during Desember 2019:

### **Mpumalanga (14)**

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

### **Gauteng (9)**

Breyton – Dr. Frans Malan  
Bronkhorstspuit – Dr. De Bruin, De Bruin and Labuschagne  
Hammanskraal – Dr. Hentie Engelbrecht  
Magaliesburg – dr. Ryan Jeffery  
Nigel – Dr. Cindy van der Westhuizen  
Onderstepoort Veterinary Academic Hospital – Proff. Annandale, Shakespear, Holm, Pettey and Drs, Fitte, Grobler, Hamman, Koeppel, Leask, Mabu, Marufu, Mokoele, O'Dell, Tshuma and Van der Leek

Pretoria – Dr. Hanneke Pienaar  
University of Pretoria – Dr. Emily Mitchell  
Vanderbijlpark – Dr. Kobus Kok

**Limpopo (8)**

Bela-Bela (Warmbaths) – Dr. Nele Sabbe  
Makhado (Louis Trichardt) – Drs. Harris, Klopper and Jacobs

Modimolle (Nylstroom) – Drs. Huber, Bredell and Barnard  
Mokopane (Potgietersrus)- Dr. Henk Visser  
Tzaneen – Dr. Danie Odendaal  
Tzaneen – Drs. Cordier and Van der Berg  
Vaalwater – Dr. Annemieke Müller  
Vaalwater – Dr. Hampie van Staden

**North West (12)**

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  
Ottosdal – Sharnell Ferreira  
Potchefstroom – Dr. Martin Ferreira  
Rustenburg – Drs. Goosen, Grobler, Sparks, Van Egdom, Van Rensburg and Van Rooyen  
Schweizer-Reneke – Dr. Pieter Venter  
Stella - Dr. Magdaleen Vosser  
Ventersdorp/ Koster –Drs. Benadé and Van der Merwe  
Vryburg – Dr. Jurie Kritzinger

**Free State (21)**

Bethlehem – Drs. Strydom and Strydom  
Bultfontein – Dr. Santjie Pieterse  
Clocolan – Drs. Wasserman and Basson  
Dewetsdorp – Dr. Marike Badenhorst  
Excelsior/Ladybrand – Dr. Dedré Nel  
Ficksburg – Dr. Woody Kotzé  
Frankfort – Drs. Lessing, Cilliers and Janse van Rensburg  
Gariiep Dam – Dr. Marni Malan  
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  
Wesselsbron – Dr. Johan Jacobs  
Winburg – Drs. Albertyn and Albertyn  
Zastron – Drs. Troskie and Strauss

### **KwaZulu-Natal (13)**

Bergville – Dr. Jubie Muller  
Bergville – Dr. Ariena Shepherd  
Camperdown – Dr. Anthony van Tonder  
Dundee – Drs. Marais and Fynn  
Estcourt – Drs. Turner, Tedder, Taylor, Tratschler, Van Rooyen and Alwar  
Howick – Drs. Hughes, Lund, Gordon, Allison and Taylor  
Kokstad – Drs. Clowes, Shrives and Lees  
Mtubatuba – Dr. Trevor Viljoen  
Newcastle – Dr. Barry Rafferty  
Pietermaritzburg – Dr. Philip Kretzmann  
Pongola – Dr. Heinz Kohrs  
Underberg - Drs. King and Delaney  
Vryheid – Drs. Theron and Theron

### **Eastern Cape (14)**

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  
Graaff-Reinet – Drs. Hobson, Strydom and Hennesy  
Humansdorp – Drs. Van Niekerk, Jansen van Vuuren and Davis  
Jeffreys Bay – Drs. Lategan, Hoek and McFarlane  
Queenstown – Drs. Du Preez, Klopper, Jansen van Vuurn, De Klerk and Catherine  
Steynsburg – Dr. Johan van Rooyen  
Stutterheim – Dr Dave Watermann  
Uitenhage – Drs. Mulder and Krüger  
Witelsbos – Dr. Elmien Kotze

**Western Cape (24)**

Beaufort West - Dr. Jaco Pienaar  
Beaufort West – Dr. Bennie Grobler  
Caledon – Drs. Louw and Viljoen  
Caledon – Drs. Retief, Coetzer and Jansen  
Ceres – Drs. Pieterse, Wium, De Villiers and Scheepers  
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. 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  
Worcester – Dr. Kobus Rabe

**Northern Cape (7)**

Colesberg – Drs. Rous and Rous  
De Aar – Dr. Donald Anderson  
Kathu – Dr. Jan Vorster  
Kimberley – Drs. Van de Wateren and Van de Wateren  
Kimberley – Drs. Swart, Smith and Hyslop  
Kuruman – Dr. Lea Shuda  
Postmasburg – Dr. Boeta van der Merwe  
Upington – Drs. Vorster and Visser

**Feedlots (1)**

Drs. Morris and Du Preez

**Mastitis consultant (1)**

Dr. Theo Kotzé – Moqhaka district (Kroonstad municipality)

### **Laboratory reports (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



Media Statement      14 January 2020

#### **UPDATE ON THE FOOT-AND-MOUTH DISEASE OUTBREAK IN LIMPOPO**

Four further cases of Foot and Mouth Disease (FMD) were reported since mid-December 2019, with 3 cases reported in December and 1 case reported in the first week of January 2020. The total number of confirmed positive locations since the start of outbreak has risen to fifteen (15).

More than 130 points were identified with possible links to specific auctions and known affected properties. Follow-up investigations and collection of samples were already performed on 95 of these points and precautionary quarantine has been lifted on 44 properties that have been proven negative for FMD.

All properties where the disease has been confirmed have been placed under quarantine and cloven hoofed animals are not allowed to move off the quarantined properties. Guidelines and application procedures have been finalized for animals on FMD quarantined properties to undergo early slaughter at designated abattoirs with specific conditions to prevent the spread of FMD. FMD does not affect people therefore meat and milk from infected livestock is safe for human consumption

The Department, together with the Provincial Veterinary Services, started conducting awareness on FMD clinical signs and biosecurity measures in Limpopo Province during the week of 4th December. Awareness was already conducted in 6 villages in the Molemole area and 315 farmers attended these sessions.

The use of FMD vaccine has not been indicated in controlling the current outbreak. The vaccination of cattle against FMD is conducted only by state veterinary officials in specific areas determined by the Director Animal Health, free of charge. FMD vaccine is a controlled product that may only be handled by Veterinary Service, the general public is urged to immediately notify state veterinary officials should there be a suspicion of someone having, or claiming to have or sell FMD vaccine.

The prohibition on the gathering of cloven hoofed animals from two or more properties, for distribution to two or more properties, has been published in the Government Gazette on 4 December 2019 and is applicable to the whole country.

This resulted after the Veterinary Authorities identified that the short-term congregation and redistribution of cloven hoofed animals played an integral part in the spread of the disease in this outbreak as all the affected properties have been linked directly or indirectly to auctions. This notice does not prohibit the movement of livestock from farm to farm, or private auctions at individual farms. The gazetted notice is available on the DAFF website <https://www.daff.gov.za/daffweb3/Home/Foot-and-mouth>.

In order to bring normality to the trade of livestock, the Department and the FMD Technical Task Team urge all auctioneers to register with the Agricultural Produce Agents Council (APAC). This is a legal requirement and auctioneers must comply with the conditions laid down in the Agricultural Produce Agents Act, 1992 (Act 12 of 1992). Additional biosecurity measures to be applied by registered auctioneers are under discussions and will be communicated as soon as finalised.

The Department encourages livestock owners to limit the movement of cloven hoofed animals until the extent of the outbreak has been fully determined. If movements are necessary, the buyers are advised to request health declarations before any animals are bought from sellers, to prevent the possible infection of new properties by positive animals being brought in. Private vets are asked to assist their clients by providing health declarations that indicate that the herd of origin has been inspected and found to be free of clinical signs of FMD and that all animals have been on the farm for at least 28 days before inspection. This will provide additional guarantees that FMD infected animals could not have been introduced onto the farm in that period.

Livestock owners should remain vigilant for clinical signs of FMD in their animals. Any suspected cases of FMD should please be reported to the nearest State Veterinary Office or the nearest veterinarian for further investigation. Owners who have bought from known infected properties are also encouraged to report this to the Provincial Veterinary Authorities for speedy follow up investigations.

Reggie Ngcobo  
Media Liaison Officer  
Mobile: 082 883 2458  
Dr Botlhe Modisane  
Technical spokesperson on FMD  
Mobile: 063 693 0330

# **BIOSECURITY**

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

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

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

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

**As was recently experienced, an auction could be the most dangerous place to buy animals if biosecurity measures are not heeded. All animals should be branded with a registered brand mark and or tattoo, health certificates in place and seller's home address (not post box number, should be available. Take note that foot and mouth disease, bovine brucellosis, tuberculosis, Johne's disease, trichomonosis, vibriosis, sheep scab (to name a few diseases) and parasites resistant to certain antiparasitics are herd and flock diseases! Contact your veterinarian to assess your risk bringing in animals onto your farming unit. As an additional precaution, quarantine animals for at least 28 days.**

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

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

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

## **What to do to be prepared for future outbreaks**

### **Get traceability system in place**

**LITS MEETING ON 30 JANUARY 2010 at UNIVERSITY of PRETORIA**

## 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](mailto: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](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/hoel-yk-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 slaughtered 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](http://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](http://www.securebeef.org)

#### 9. Quarantine:

- a. For extra security cattle should be quarantined at least 100 meters for 21 days away from the herd.
- b. There will be absolutely no contact with the herd either directly or indirectly.
- c. They should only be introduced after clinical (and preferably serological) evaluation.

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

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

**Dr. Michel Bradfield ([michael@agribsa.co.za](mailto:michael@agribsa.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 though a private company, usually a section 21 type company, and to then convince the government to match some of the research and development funds for major industry related projects in the form of matching grants.

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

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

The USA beef checkoff has a compulsory levy that collects one USA dollar (R13.80) every time a transaction occurs in the value chain. A further one dollar is collected for exported carcasses or product. The MLA in Australia collects five Australian dollars i.e. R50.00 for each beef animal. The total amount collected is \$AUD 155.7 million i.e. R1.5 billion per annum. The South African equivalent is between R30- R50 million, a paltry amount in comparison. For both the MLA and American programs the money is spent on Research and Development, Marketing and Animal Health and opening new markets

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

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

### **Government involvement**

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

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

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

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

According to the World Bank, the single biggest difference between success and failure in an industry is the strength of the institutions or umbrella bodies that supports the industry. Failed states will hardly ever have good institutions or representative umbrella bodies and have very little interaction between



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

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

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

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

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

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

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]

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

\*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.html](http://www.huffingtonpost.com/mark-ross/farm-subsidies-new-zealand_b_1680259.html)

<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 December 2019

130 Reports from veterinary practices and laboratories were received (Mpumalanga (MP) 14; Gauteng (G) 9; Limpopo (L) 8; Northwest (NW) 12; Free State (FS) 21; KwaZulu-Natal (KZN) 13; Eastern Cape (EC) 14; Western Cape (WC) 24; Northern Cape (NC) 7; Feedlots (FL) 1; Mastitis consultant (MC) 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
Abscesses	9
Dystocia (difficult calving)	9
Wireworm	8
African red water	8
Anaplasmosis	8
Ringworm	8
Eye infections	8
Lung infection	8
Lameness	8
Roundworms	7
Energy deficiency	7
<i>E. coli</i>	7
Bont-legged ticks	7
Diarrhoea	7
Mastitis	7
Downer animal	7

Uterine prolaps	7
Retained afterbirth	7
Tapeworms	6
Coccidiosis	6
Blue ticks	6
Brown ear-ticks	6
Nuisance flies	6
Joint ill	6
Navell ill	6
Protein deficiency	6
Trichomonosis	6
Heartwater	6
Ephemeral fever (Three day stiffness)	6
Pulpy kidney	6
Red gut	6
Orf	6
Warts	6
Selenium	6
Metritis	6
Blowflies	5
Cryptosporidiosis	5
Vibriosis	5
Blackquarter	5
EBL	5

Vaginal prolaps	5
Bloat	5
Blue udder	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.	<table border="1" style="width: 100%;"><tr><td style="width: 50%; text-align: center;">YES</td><td style="width: 50%; text-align: center;">NO</td></tr></table>	YES	NO
YES	NO		
9. All lambs born are vaccinated	<table border="1" style="width: 100%;"><tr><td style="width: 50%; text-align: center;">YES</td><td style="width: 50%; text-align: center;">NO</td></tr></table>	YES	NO
YES	NO		
10. If vaccinated, the number of years that the vaccinations have been done is	<table border="1" style="width: 100%;"><tr><td style="width: 80%; height: 20px;"></td><td style="width: 20%; text-align: center; vertical-align: middle;">years</td></tr></table>		years
	years		
<p><b>NOTE:</b> Vaccination does not mean freedom from OJD, vaccinated animals can still be carriers. Statement 8 and 9 apply only to already infected flocks, and such sheep can only be sold to other infected flocks by law. Buyers should consult their veterinary advisor before any purchases.</p>			

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
NAME

Farm: \_\_\_\_\_

\_\_\_\_\_  
OWNER OR AUTHORIZED REPRESENTATIVE

District: \_\_\_\_\_

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](http://www.nahf.co.za)

Read what the Forum is all about:

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

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

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

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

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

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

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

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

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

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

This link will continuously be updated.

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

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

## **Rural Veterinary Association of South Africa**

[www.ruvasa.co.za](http://www.ruvasa.co.za)

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

## **Landbouweekblad's webpage**

[www.landbou.com](http://www.landbou.com)

[Kundiges](#)

[Vra vir Faffa](#)

[Lees alle antwoorde](#)

[Beeste](#)

[Siektes](#)

[Brusellose](#)

### **The following can be typed in the "Soekblokkie"**

Stop Brusellose

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

Rapportering aan bure of ander eienaars oor die voorkoms van brusellose

Inligting oor brusellose op die NAHF se webblad

Kuddebestuur voor die dekseisoen

Bees Brusellose handleiding

Teenliggaamwaardes om beesbrusellose in koeie te bepaal

Veterinêre Strategie 2016 -2026

'n Dosyn dinge wat jy moet weet van beesbrusellose

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

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

Vervoer van diere uit 'n positiewe brusellose kudde

Beheer van 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](http://www.wormx.info)

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

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

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

**Insist on VENDOR'S DECLARATIONS when buying animals.**

**Quarantine**

**Immunization programmes**

**Speak to your veterinarian**

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

**For the detailed report and previous reports go to [www.ruvasa.co.za](http://www.ruvasa.co.za) and click on Disease reporting**

**Internal parasites**

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

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

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

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

**Nodular worm infestation was reported from the Steysburg practice and farmers should be on the look out for nodules in the intestines of sheep at slaughter or animals dying for some or other reason! Contact your veterinarian immediately to discuss control measures!**

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



Holistic internal  
parasite management

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

[https://docs.wixstatic.com/ugd/aded98\\_cb447e77eef6450f93a2b23cb0e6b9de.pdf](https://docs.wixstatic.com/ugd/aded98_cb447e77eef6450f93a2b23cb0e6b9de.pdf)

[www.wormx.info](http://www.wormx.info)

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

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

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

**Prevention of Cryptosporidiosis**



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

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

Ensure no nutritional deficiencies especially vitamin A and Selenium

Excellent bio-security

Ensure clean pathogen free water sources

Hygiene training of personnel

Consult your veterinarian

## External parasites

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

External parasites	MP	G	L	NW	FS	KZN	EC	WC	NC
Blue ticks	x			x	x	x	x	x	
Resistant blue ticks					x	x			
Heartwater ticks	x	x		x		x	x		
Brown ear-ticks	x		x	x	x	x		x	
Bont-legged ticks	x	x		x	x	x	x		x
Red-legged ticks	x			x	x	x			
Paralysis ticks				x	x	x			
Tampans									
Biting lice					x		x		
Sucking lice					x		x		x
Fleas									
Itch mites					x				
Sheep scab					x				
Mange mites	x			x	x				
Nuisance flies	x			x	x	x	x	x	



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

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

Numerous mortalities were reported!

Heartwater outbreaks were reported from 6 provinces.

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

Anaplasmosis outbreaks were reported in 8 provinces.

Tick toxicosis

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

## Insect transmittable diseases

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

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

Insect transmittable diseases will increase after summer rains . Have you vaccinated your animals?

An increase in mosquito numbers were reported – beware of the first Rift Valley Fver outbreak – abortion storms and yellow carcasses. This is a zoonosis!

## Venerial diseases





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

Multiclostridial vaccines should be used if blackquarter outbreaks still occur when only using a vaccine containing *Clostridium chauvoei*. Remember to give a booster vaccine when using an inactivate vaccine for the first time. **Read the packet insert!!** Study the table above and determine the risk for animals on your farm.

Get advice from your veterinarian on *Cryptosporidium*/*E. coli* outbreaks in your area and what to do to prevent losses in lambs and calves.

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

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

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

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

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

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

**PREVENTION IS BETTER AND CHEAPER THAN CURE!**

**Do not save yourself bankrupt!**

## **Viral diseases**

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

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

**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.

Orf is a zoonosis and a case in humans was reported.

## Fungal diseases

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

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

## Protozoal diseases

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

## Toxicities

The following toxicities were reported by practices in the provinces:

Toxicities	MP	G	L	NW	FS	KZN	EC	WC	NC
Cardiac glycoside				x				x	x
Slangkop				x					
<i>Crotalaria</i>									
Gifblaar	x	x							
Gousiekte		x							
<i>Cestrum</i> (ink berry)				x	x				
Tulip	x			x					
<i>Cynanchum</i> (bobbejaantou)							x		









Levamisole									
Ivermectin									
Moxidectin									
Oxytetracycline									
Tilmicosin									
Bromoxynil nitrate									
Ionophor									
Monensin									
Hypo									
Diazinon									
Glyphosate									
Chicken litter									
Mdicated maize seed	x								

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
Protein		x		x	x	x	x		x

Phosphate				X		X			X
Calcium	X			X		X		X	

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

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

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

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

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

Beware of fluoride poisoning as borehole water levels drop.

**Supplement animals with vitamin A and Zinc during drought conditions.**

## Multifactorial diseases and other conditions

The following conditions were reported by practices in the provinces

Multifactorial diseases and other conditions	MP	G	L	NW	FS	KZN	EC	WC	NC
Abortions				X	X	X		X	
Stillbirths					X	X	X		
Abscesses	X	X	X	X	X	X	X	X	X
Intestinal ulcers									
Bladder stones –urolithiasis									
Blindness	X				X	X			
Bloat	X	X			X	X		X	
Blue udder	X			X	X		X	X	X
Diarrhoea	X	X	X	X	X	X	X		
Epididymitis	X		X		X				
Eye cancer	X				X			X	
Eye infections	X	X		X	X	X	X	X	X
Vestibular syndrome (middle ear infection)									
Skin lymphoma									
Joint ill	X	X	X	X	X		X		
Cystitis									
Icterus									X
Lameness/foot problems	X	X	X	X	X	X	X	X	
Lung infection	X	X	X	X	X	X	X	X	X
Mastitis	X	X		X	X	X	X	X	
Navel ill	X	X		X	X	X		X	

Umbilical hernia		x							
Red gut (sheep, torsion of gut)									
Rectal prolaps			x						
Rumen stasis									
Abdominal impaction									
Abdominal hernia									
Floppy kid syndrome									
Swelsiekte									
Traumatic reticulo-pericarditis	x						x	x	
Trauma	x				x	x		x	x
Teeth wear									
Plastic bags (ingestion)									
Downer	x	x	x		x		x	x	x
Anaphylactic shock									
Vestibular syndrome (middle ear infection)	x								
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	
Displaced abomasum		X				X			
Ketosis (Domsiekte)	X						X	X	
Milk fever					X			X	X

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

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

### Reproductive diseases

Reproductive diseases	MP	G	L	NW	FS	KZN	EC	WC	NC
Dystocia (difficult births)	X	X	X	X	X	X	X	X	X
Endometritis					X			X	
Metritis	X			X	X	X	X	X	
Hydrops									
Poor conception				X	X	X	X	X	X
Retained afterbirth	X	X		X	X	X	X	X	
Sheath prolaps		X				X			
Uterine prolaps	X	X	X		X			X	
Vaginal prolaps	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	x			
Frozen to death					x				
Heat stress	x					x			
Lightning	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									
Wet carcasses									
Drug residues (milk, meat, liver, kidney etc)							x		
Preditors									
Theft/Sabotation				x	x				
Trauma (fractures etc)		x							
Trauma (veldfires)							x		

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**

Adelaide – Dr. Steve Cockroft

Alexandria – Dr. Johan Olivier

Cape Town – Dr. Sophette Gers

George – Dr. Mark Chimes

Malalane – Drs. Van Sittert and Van Sittert

Malmesbury – Dr. N.J. Heyns

Nigel – Dr. Cindy an der Westhuizen

Piketberg – Dr. André van der Merwe

Rayton – Dr. Frans Malan

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

Stellenbosch – Dr. Annelie Cloete

Tzaneen – Drs. Cordier and Van der Berg

Tulbagh - Dr. Dirk Trichardt

Upington – Drs. Vorster and Visser

Vaalwater – Dr. Annemieke Müller

Vanderbylpark- Dr. Kobus Kok

Vredenburg – Dr. Izak Rust

Vryburg- Dr. Jurie Kritzing

## **Ostriches**

### **Western Cape**

#### **Oudtshoorn**

Tapeworms	1
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
Red gut	3 - Birds overeat as they are hungry during the afternoon when it is cooler.
Suspect mycotic or megabacterium gastritis	2.
<i>Mycoplasma</i> - Airsacculitis	3 – Cold/ immune compromise and dust – micoplasma, going over into secondary infections <i>E. coli</i> etc.
Cryptosporidiosis	3 - 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
Pneumonia	3 - Pneumonia sever after short thunderstorm dust – farm feedlot system, peracute mortalities
Ophthalmia	1
Protein, Energy deficiency	3 - Prot energy deficiency, extremely difficult to maintain good intake during heatwaves. Low intake low growth, displaced behaviour.
Biotin	1
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.
Heat stroke	3 - Very high summer temperatures. Sporadic individual death notably the dark black males

## Equines

Pretoria

Heartwater ticks - 3

### **Limpopo**

Sarcoid – 1 Donkey

Joint ill – 1 Horse on pasture, severe tick infection in fetlock, downer, euthanized

### **KwaZulu-Natal**

#### **Kokstad**

### **Northern Cape**

#### **Colesberg**

Rhodococcus - 2 Foals

Babesiosis- 2

Encephalosis- 2

Middelburg virus – 2

De Aar

*Gomphocarpus (Asclepias)* milkweed, melkbos poisoning – 8 horses died

### **Game**

### **Mpumalanga**

#### **Lydenburg**

Wireworm – 1

Dystocia – 1 Eye infection

### **Gauteng**

#### **Pretoria**

Heartwater ticks - 3

### **Limpopo**

#### **Bela-Bela**

Abscess – Nyala bull, abscess on top jaw – recovered after treatment

### **Free State**

#### **Bloemhof**

Deaths – 3 Impala lambs dying (still working on a diagnosis)

### **KwaZulu-Natal**

#### **Pongola**

Tapeworms - 1

### **Northern Cape**

#### **Kimberley**

Wireworm – 2 Sables and Roans died

Slangkop – 2 Roan and Sable on pasture after veldt fire

**Monthly report on Livestock and Wildlife isolations for December 2019 from Vetdiagnostix –Microbiology Laboratory, supplied by dr. Marijke Henton**  
([henton@vetdx.co.za](mailto:henton@vetdx.co.za))

No samples from respiratory tract disease in cattle were received. There were two cases of clostridial myositis due to *Clostridium novyi*. Conjunctivitis yielded *Moraxella bovoculi*, which, together with *Moraxella bovis*, is associated with Infectious Bovine Keratoconjunctivitis. Vaccines for *M. bovis* do not protect against *M. bovoculi*. An abscess yielded *Staphylococcus aureus*. *Salmonella* Dublin caused septicaemia in a calf. *Campylobacter fetus* caused an abortion. *E. coli* was isolated from 5 cases of enteritis, and there were another 5 cases of haemorrhagic enteritis where *Clostridium perfringens* was isolated. Two of the isolates were typed as type A.

*Trueperella pyogenes* was isolated from an abscess and a lung infection in sheep. Lamb enteritis yielded *E. coli* in 4 cases.

*Trueperella pyogenes* was also the cause of vaginitis in a sow. *Bordetella bronchiseptica* caused pneumonia in a piggery. *E. coli* was isolated from 2 cases of enteritis.

*Trueperella pyogenes* was also isolated from the lungs of a sable. *Trueperella pyogenes* is usually associated with chronic infections and is a cause of ill-thrift. Many species of wildlife are infected with it. It is spread rapidly by the movement of wildlife, and the mixing of many wildlife species on a farm, which brings vulnerable animals in contact with newly purchased infected animals.

**Monthly report: Dr Theo Kotzé**

**Veterinary Mastitis Consultant: Bovine Industry**

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

0827849706

**DIAGNOSTIC REPORT : DECEMBER 2019**

**DISEASE**

**LOCATION**

**AMR: -milk**

***Pseudomonas aeruginosa***

**WC/KZN**

*Staphylococcus epidermidis* (methicillin resistant)      KZN  
*Staphylococcus aureus* (MRSA)      WC  
*Prototheca zopfii*      EC  
*Nocardia*      WC  
*Corynebacterium* spp.      FS

**VIRUS:**

Bovine papilloma virus – udder      WC  
BVD      KZN  
BLV      KZN

**Feedlot report received from Drs. Shaun Morris and Eben du Preez for December 2019 ([edupreez1@telkomsa.net](mailto:edupreez1@telkomsa.net))**

Condition	Comments and Specie
Intestinal roundworms	O 3
<i>Parafilaria</i>	B 1
Blue ticks	B 3
Brown earticks	B 3
Red-legged ticks	B 3, O 3
Bont-legged ticks	B 3, O 3
Nuisance flies	B 3, O 3
Blowflies	O 3
Screw-worm	B 2
Midges	B 3



Itch mite	O 1
Asiatic red water	B 3
Anaplasmosis	B 1
Sweating sickness	B 3
Red gut	B 3
Blood gut	O 1
Pulpy kidney	O 1
Ringworm	B 3
IBR	B 1
BVD	B 3
Warts	B 3
Energy excess	B 3, O 3
Phosphate deficiency	B 3
Vitamin A deficiency	B 3, O 3
Joint ill	B 3
Lameness	B 3, O 3
Lungs	B 3, O 3
Diarrhoea	B 3, O 3
Eyes	B 3, O 3
Abscesses	B 3, O 3
Dystocia	B 3
Heat stroke	B 1
Trauma	B 3, O 3
Pericarditis	B 3



Section of Pathology  
Department of Paraclinical Sciences  
Faculty of Veterinary Science

18<sup>th</sup> Dec, 2019

DAFF

Import/Export Policy Unit Subdirectorate

**Monthly report: Faculty of Veterinary Science cases**  
**Wildlife cases sent to referring veterinarians between 25<sup>th</sup> Oct and 18<sup>th</sup> 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 polyarthrits	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

<b><u>Internal Parasites</u></b>	<a href="#">Roundworms in general</a> , <a href="#">Resistant Round Worms</a> , <a href="#">Wireworm</a> , <a href="#">Brown stomach-worm</a> , <a href="#">Eye worm (<i>Thelazia rhodesii</i>)</a> , <a href="#">Tape Worms</a> , <a href="#">Parafilaria</a> , <a href="#">Liver fluke</a> , <a href="#">Conical Flukes</a> , <a href="#">Cysticercosis</a>
<b><u>External Parasites</u></b>	<a href="#">Blue ticks</a> , <a href="#">Resistant blue Ticks</a> , <a href="#">Heartwater (Bont) ticks</a> , <a href="#">Brown ear-ticks</a> , <a href="#">Bont-legged ticks</a> , <a href="#">Red-legged ticks</a> , <a href="#">Paralysis ticks</a> , <a href="#">Biting lice (red lice)</a> , <a href="#">Sucking lice (blue lice)</a> , <a href="#">Scab mites</a> , <a href="#">Mange Mites</a> , <a href="#">Nuisance Flies</a> , <a href="#">Blowflies</a> , <a href="#">Screw-worm</a> , <a href="#">Nasal bot larvae</a> , <a href="#">Midges</a> , <a href="#">Mosquitoes</a>
<b><u>Tick-borne Diseases</u></b>	<a href="#">African red water</a> , <a href="#">Asiatic red water</a> , <a href="#">Anaplasmosis</a> , <a href="#">Heartwater</a> , <a href="#">Sweating Sickness</a>
<b><u>Insect Transmittable Diseases</u></b>	<a href="#">Lumpy skin disease</a> , <a href="#">Three-day-stiffsickness</a> , <a href="#">Blue tongue</a> , <a href="#">Nagana</a>
<b><u>Venereal Diseases</u></b>	<a href="#">Trichomonosis</a> , <a href="#">Vibriosis</a>
<b><u>Bacterial Disease (other)</u></b>	<a href="#">Blackquarter</a> , <a href="#">Botulism</a> , <a href="#">Pulpy Kidney</a> , <a href="#">Swelled head disease</a> , <a href="#">Redgut (cattle)</a> , <a href="#">Blood gut (Sheep)</a> , <a href="#">Tetanus</a> , <a href="#">Salmonellosis</a> , <a href="#">Brucella abortus</a> , <a href="#">Septicaemia</a> , <a href="#">E. coli</a> , <a href="#">Dermatophilosis (Lumpy Wool)</a> , <a href="#">Bovine Dermatophilosis (Senkobo disease)</a> , <a href="#">Fusibacterium necrophorum</a> , <a href="#">Listeriosis</a> , <a href="#">Other</a> , <a href="#">Pasteurellosis</a>
<b><u>Protozoal diseases (other)</u></b>	<a href="#">Besnoitiosis</a> , <a href="#">Coccidiosis</a> , <a href="#">Cryptosporidium</a>
<b><u>Fungal diseases</u></b>	<a href="#">Ringworm</a>
<b><u>Viral Diseases (other)</u></b>	<a href="#">BMC</a> , <a href="#">Rabies</a> , <a href="#">BVD (Bovine viral diarrhoea)</a> , <a href="#">IBR (Infectious bovine rhinotracheitis)</a> , <a href="#">Enzootic Bovine Leucosis (EBL)</a> , <a href="#">Orf</a> , <a href="#">Warts</a> , <a href="#">Other viral disease not listed</a>
<b><u>Poisonings (Plant) and Fungal</u></b>	<a href="#">Cardiac glycoside poisoning</a> , <a href="#">Cestrum</a> , <a href="#">Cynanchum poisoning</a> , <a href="#">Facial eczema</a> , <a href="#">Geeldikkop/Dikoor</a> , <a href="#">Gifblaar</a> , <a href="#">Gousiekte</a> , <a href="#">Lantana</a> , <a href="#">Nitrate poisoning</a> , <a href="#">Prussic acid poisoning</a> , <a href="#">Rye grass poisoning</a> , <a href="#">Seneciosis</a> , <a href="#">Tulip Poisoning</a> , <a href="#">Mycotoxiosis</a>
<b><u>Poisonings</u></b>	<a href="#">Urea Poisoning</a> , <a href="#">Snake Bite</a> , <a href="#">Blue-green algae</a> , <a href="#">Other</a>
<b><u>Macro Nutritional Problems</u></b>	<a href="#">Energy deficiency</a> , <a href="#">Protein deficiency</a> , <a href="#">Phosphate deficiency</a> , <a href="#">Calcium deficiency</a>
<b><u>Micro Nutritional Problems</u></b>	<a href="#">Copper deficiency</a> , <a href="#">Zinc deficiency</a> , <a href="#">Selenium deficiency</a> , <a href="#">Vitamin A deficiency</a> , <a href="#">Vitamin B deficiency</a>
<b><u>Multi-factorial Disease Conditions</u></b>	<a href="#">Abortions</a> , <a href="#">Stillbirths</a> , <a href="#">Abscesses</a> , <a href="#">Abscesses in general</a> , <a href="#">Blindness</a> , <a href="#">Bloat</a> , <a href="#">Blue udder</a> , <a href="#">Diarrhoea</a> , <a href="#">Epididymitis</a> , <a href="#">Eye Cancer</a> , <a href="#">Eye infections</a> , <a href="#">Joint Ill</a> , <a href="#">Lameness/Foot Problems</a> , <a href="#">Lung infection</a> , <a href="#">Mastitis in general</a> , <a href="#">Navel Ill</a> , <a href="#">Trauma</a> , <a href="#">Downer</a> , <a href="#">Other</a> , <a href="#">Vestubular syndrome (Middle ear infection)</a>

<b><u>Metabolic Diseases</u></b>	<a href="#">Acidosis</a> , <a href="#">Displaced abomasum</a> , <a href="#">Ketosis</a> , <a href="#">Milk Fever</a>
<b><u>Reproductive diseases</u></b>	<a href="#">Dystocia (Difficult Births)</a> , <a href="#">Endometritis</a> , <a href="#">Metritis</a> , <a href="#">Poor conception</a> , <a href="#">Retained afterbirth</a> , <a href="#">Sheath Prolaps</a> , <a href="#">Uterus prolaps</a> , <a href="#">Vaginal (Cervical) prolaps</a>
<b><u>Climatical Cause</u></b>	<a href="#">Cold exposure</a> , <a href="#">Drought</a> , <a href="#">Heat stress</a> , <a href="#">Lightning</a> , <a href="#">Frozen to death</a>
<b><u>Residues</u></b>	<a href="#">Drug residues</a>
<b><u>Non specific diseases</u></b>	<a href="#">Preditors</a> , <a href="#">Sabotation/Theft</a> , <a href="#">Trauma</a> , <a href="#">Veld fires</a> , <a href="#">Traumatic Reticulo-pericarditis</a>

## Internal Parasites

### Roundworms in general

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>	2.3 (4)	3.0 (1)		1.5 (2)	2.5 (6)	2.1 (8)	2.4 (5)	2.0 (7)	

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

<b>Beef</b>	2.0 (2)					2.0 (2)	3.0 (1)	1.0 (1)	
<b>Sheep</b>	2.5 (2)	3.0 (1)		1.5 (2)	2.5 (6)	2.3 (3)	2.3 (3)	2.2 (5)	
<b>Goat</b>						2.0 (3)	2.0 (1)	2.0 (1)	

#### Mpumalanga

##### Balfour, Balfour Dierekliniek

Beef: 1

##### Lydenburg, Longtom Dierekliniek

Beef: 3, Sheep: 3

##### Standerton, Econovet

Sheep: 2

#### Gauteng

##### Pretoria, Anima Veterinary Consulting Rooms

Sheep: 3

#### North West

##### Christiana, Christiana Dierehospitaal

Sheep: 1

##### Ventersdorp, Ventersdorp Dierekliniek

Sheep: 2

#### Free State

##### Clocolan, Clocolan Dierekliniek

Sheep: 2

##### Hoopstad, Hoopstad Dierekliniek

Sheep: 3

##### Kroonstad, Kroonstad Dierehospitaal

Sheep: 2

##### Ladybrand, Ladybrand Dierekliniek

Sheep: 3

**Viljoenskroon, Viljoenskroon Dierekliniek**

Sheep: 3

**Villiers, Wilgepoort Dierekliniek Vennootskap**

Sheep: 2

**Kwazulu-Natal**

**Bergville, Tugela Vet Clinic**

Beef: 2, Sheep: 2, Goat: 2

**Estcourt, Estcourt Vet Clinic**

Sheep: 2, Goat: 2

**Howick, Howick Veterinary Clinic**

Sheep: 3

**Mtubatuba, Mtubatuba Animal Clinic**

Beef: 2, Goat: 2

**Eastern Cape**

**Elliot, EG Veterinary Services Elliot**

Beef: 3, Sheep: 3

**Graaff-Reinet, Camdeboo Veterinary Clinic**

Sheep: 2, Goat: 2

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

Sheep: 2

**Western Cape**

**Caledon, Caledon Dierekliniek**

Sheep: 2

**Caledon, Overberg Veterinary Hospital**

Sheep: 2, Goat: 2

**Darling, Tygerberg Dierehospitaal Darling**

Sheep: 3

**Heidelberg (WC), Heidelberg Dierekliniek**

Sheep: 2

**Moorreesburg, Tygerberg Moorreesburg**

Sheep: 2

Brown stomach worm

**Stellenbosch, Stellenbosch Animal Hospital**

Beef: 1

**Resistant Round Worms**

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

<b>Average</b>		1.0 (1)			3.0 (2)	2.0 (1)	2.0 (1)		
----------------	--	---------	--	--	---------	---------	---------	--	--

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

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

**Gauteng**

**Pretoria, Anima Veterinary Consulting Rooms**

Sheep: 1

**Free State**

**Hoopstad, Hoopstad Dierekliniek**

Sheep: 3

**Ladybrand, Ladybrand Dierekliniek**

Sheep: 3

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

Sheep: 2

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

Goat: 2

**Wireworm**

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>	2.3 (4)	2.0 (1)	2.0 (1)	2.0 (2)	2.1 (7)	2.0 (4)	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

<b>Sheep</b>	2.3 (4)	2.0 (1)	2.0 (1)	2.0 (2)	2.1 (7)	2.0 (3)	2.0 (1)		2.0 (2)
<b>Goat</b>						2.0 (1)	2.0 (1)		

**Mpumalanga****Hendrina, Mooiplaas Veterinêre Dienste**

Sheep: 1

One outbreak

**Lydenburg, Longtom Dierekliniek**

Sheep: 3

**Middelburg, Neil Fourie Veeartsenydienste**

Sheep: 3

Severe infestation with mortalities after rains

**Standerton, Econovet**

Sheep: 2

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

Sheep: 2

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

Sheep: 2

Four cases

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

Sheep: 1

**Potchefstroom, Morvet**

Sheep: 3

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

Sheep: 2

**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

**Wesselsbron, Wesselsbron Dierekliniek**

Sheep: 1

**Kwazulu-Natal**

**Estcourt, Estcourt Vet Clinic**

Sheep: 2, Goat: 2

**Howick, Howick Veterinary Clinic**

Sheep: 3

**Pietermaritzburg, Veterinary House Hospital**

Sheep: 1

**Eastern Cape**

**Graaff-Reinet, Camdeboo Veterinary Clinic**

Sheep: 2, Goat: 2

**Northern Cape**

**Colesberg, Karoo Veterinary Hospital**

Sheep: 3

**Kimberley, Vets4all**

Sheep: 1

**Brown stomach-worm** [^](#)

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

<b>Average</b>						1.0 (1)			
----------------	--	--	--	--	--	---------	--	--	--

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

<b>Beef</b>						1.0 (1)			
-------------	--	--	--	--	--	---------	--	--	--

**Kwazulu-Natal**

**Pietermaritzburg, Veterinary House Hospital**

Beef: 1

**Eye worm (*Thelazia rhodesii*)** [^](#)

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

<b>Average</b>					3.0 (1)				
----------------	--	--	--	--	---------	--	--	--	--

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

<b>Beef</b>					3.0 (1)				
-------------	--	--	--	--	---------	--	--	--	--

**Free State**

**Winburg, Winburg Dierekliniek**

Beef: 3

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

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

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

### Mpumalanga

#### Bethal, Bethal Dierekliniek

Sheep: 1

#### Nelspruit, Nelspruit Animal Hospital

Goat: 2

#### Volksrust, Cape Cross Volksrust Dierehospitaal

Sheep: 3

### North West

#### Ottosdal, Lakensvlei Dierehospitaal

Sheep: 1

### Free State

#### Reitz, Riemland Dierehospitaal

Sheep: 3

#### Viljoenskroon, Viljoenskroon Dierekliniek

Sheep: 3

#### Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 2

### Kwazulu-Natal

#### Howick, Howick Veterinary Clinic

Sheep: 2

### Eastern Cape

#### Humansdorp, Humansdorp Veterinary Clinic

Beef: 1

### Northern Cape

#### Postmasburg, Postmasburg Dierekliniek

Goat: 2

Parafilaria									
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



<b>Beef</b>						2.0 (1)			3.0 (1)
-------------	--	--	--	--	--	---------	--	--	---------

**Kwazulu-Natal**

**Mtubatuba, Mtubatuba Animal Clinic**

Beef: 2

**Northern Cape**

**Kimberley, Kimberley Dierekliniek**

Beef: 3

**Liver fluke**

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

<b>Average</b>					2.0 (2)	1.8 (5)			
----------------	--	--	--	--	---------	---------	--	--	--

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

<b>Beef</b>					2.0 (1)	2.0 (3)			
-------------	--	--	--	--	---------	---------	--	--	--

<b>Dairy</b>					2.0 (1)	1.5 (2)			
--------------	--	--	--	--	---------	---------	--	--	--

**Free State**

**Clocolan, Clocolan Dierekliniek**

Beef: 2, Dairy: 2

**Kwazulu-Natal**

**Estcourt, Estcourt Vet Clinic**

Dairy: 1

**Howick, Howick Veterinary Clinic**

Beef: 2, Dairy: 2

**Pietermaritzburg, Veterinary House Hospital**

Beef: 1

**Underberg, Underberg Veterinary Surgery**

Beef: 3

**Conical Flukes**

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

<b>Average</b>	1.0 (1)				3.0 (1)	2.7 (3)			
----------------	---------	--	--	--	---------	---------	--	--	--

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

<b>Beef</b>	1.0 (1)				3.0 (1)	2.5 (2)			
-------------	---------	--	--	--	---------	---------	--	--	--

<b>Dairy</b>						3.0 (1)			
--------------	--	--	--	--	--	---------	--	--	--

**Mpumalanga**

**Balfour, Balfour Dierekliniek**

Beef: 1

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

Beef: 3

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

Beef: 3, Dairy: 3

**Pietermaritzburg, Veterinary House Hospital**

Beef: 2

**Cysticercosis**

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>						2.0 (1)		1.7 (3)	

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

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

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

Beef: 2

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

Beef: 2, Dairy: 2, Sheep: 1

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

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>	2.5 (6)			2.8 (4)	2.6 (14)	2.9 (8)	2.3 (3)	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

<b>Beef</b>	2.6 (5)			2.8 (4)	2.5 (8)	2.9 (7)	2.0 (2)	3.0 (1)	
<b>Dairy</b>					2.5 (2)	3.0 (1)	3.0 (1)	3.0 (2)	
<b>Sheep</b>	2.0 (1)				2.8 (4)				

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

Beef: 2, Sheep: 2

**Lydenburg, Longtom Dierekliniek**

Beef: 3

**Lydenburg, Lydenburg Dieresprekkamer**

Beef: 3

**Nelspruit, Nelspruit Animal Hospital**

Beef: 2

**Standerton, Econovet**

Beef: 3

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

Beef: 2

**Leeudoringstad, Leeudoringstad Dierekliniek**

Beef: 3

**Schweizer-Reneke, Buffeldoorn Dierekliniek SR**

Beef: 3

**Ventersdorp, Ventersdorp Dierekliniek**

Beef: 3

**Free State****Ficksburg, Oosvrystaat Dier Produkte**

Beef: 3, Dairy: 3, Sheep: 3

**Frankfort, Frankfort Dierekliniek**

Beef: 3

**Hoopstad, Hoopstad Dierekliniek**

Beef: 3, Sheep: 3

**Kroonstad, Kroonstad Dierehospitaal**

Beef: 2, Dairy: 2, Sheep: 2

**Memel, Memel Veterinary Clinic**

Beef: 1

**Reitz, Riemland Dierehospitaal**

Beef: 2

**Viljoenskroon, Viljoenskroon Dierekliniek**

Beef: 3, Sheep: 3

**Winburg, Winburg Dierekliniek**

Beef: 3

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

Beef: 3

**Bergville, Tugela Vet Clinic**

Beef: 2

**Howick, Howick Veterinary Clinic**

Beef: 3, Dairy: 3

**Mtubatuba, Mtubatuba Animal Clinic**

Beef: 3

**Pietermaritzburg, Veterinary House Hospital**

Beef: 3

**Underberg, Underberg Veterinary Surgery**

Beef: 3

**Vryheid, Vryheid Privaat Veeartse**

Beef: 3

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

Beef: 1

**Elliot, EG Veterinary Services Elliot**

Beef: 3

Rain

Dairy: 3

**Western Cape**

**George, George Animal Hospital**

Beef: 3, Dairy: 3

**Heidelberg (WC), Heidelberg Dierekliniek**

Dairy: 3

**Resistant blue Ticks**

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>					3.0 (1)	1.7 (3)			

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

<b>Beef</b>					3.0 (1)	1.7 (3)			
-------------	--	--	--	--	---------	---------	--	--	--

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

Beef: 3

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

Beef: 2

**Mtubatuba, Mtubatuba Animal Clinic**

Beef: 1

**Pietermaritzburg, Veterinary House Hospital**

Beef: 2

**Heartwater (Bont) ticks**

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>	2.5 (4)	3.0 (3)		1.0 (1)		2.0 (15)	2.0 (1)		

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

<b>Beef</b>	2.7 (3)	3.0 (1)		1.0 (1)		2.3 (7)			
<b>Dairy</b>						1.5 (2)			
<b>Sheep</b>	2.0 (1)	3.0 (1)				1.7 (3)			
<b>Goat</b>		3.0 (1)				2.0 (3)	2.0 (1)		

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

Beef: 3, Sheep: 2

**Lydenburg, Lydenburg Dieresprekkamer**

Beef: 2

**Nelspruit, Nelspruit Animal Hospital**

Beef: 3

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

Beef: 3, Sheep: 3, Goat: 3

**North West**

**Klerksdorp, Klerksdorp Dierehospitaal**

Beef: 1

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

Beef: 3

**Bergville, Tugela Vet Clinic**

Beef: 2, Sheep: 2, Goat: 2

**Estcourt, Estcourt Vet Clinic**

Beef: 3, Dairy: 2

**Howick, Howick Veterinary Clinic**

Beef: 2, Dairy: 1, Sheep: 2

**Mtubatuba, Mtubatuba Animal Clinic**

Beef: 3, Goat: 3

**Pietermaritzburg, Veterinary House Hospital**

Beef: 2

**Pongola, Pongola Animal Clinic**

Beef: 1, Sheep: 1, Goat: 1

**Eastern Cape****Bathurst, Dr Jane Pistorius**

Goat: 2

Three cases

**Brown ear-ticks**

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

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

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

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

Beef: 3, Sheep: 2

**Standerton, Econovet**

Beef: 3

**Limpopo****Vaalwater, Vaalwater Dieresprekkamer**

Beef: 3

Severe infestation

**North West****Ottosdal, Lakensvlei Dierehospitaal**

Beef: 1

**Ventersdorp, Ventersdorp Dierekliniek**

Beef: 3

**Free State****Reitz, Riemland Dierehospitaal**

Beef: 1

**Villiers, Wilgepoort Dierekliniek Vennootskap**

Sheep: 2

**Winburg, Winburg Dierekliniek**

Beef: 3

**Kwazulu-Natal**

**Bergville, Bergville Veterinary Clinic**

Beef: 3

**Estcourt, Estcourt Vet Clinic**

Beef: 2

**Vryheid, Vryheid Privaat Veeartse**

Beef: 3

**Western Cape**

**George, George Animal Hospital**

Beef: 3, Dairy: 3

## Bont-legged ticks

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>	1.8 (4)	2.2 (6)		2.7 (6)	2.8 (10)	2.0 (1)	3.0 (4)		3.0 (1)

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

<b>Beef</b>	1.7 (3)	2.0 (2)		2.8 (5)	2.7 (7)	2.0 (1)	3.0 (1)		3.0 (1)
<b>Dairy</b>							3.0 (1)		
<b>Sheep</b>	2.0 (1)	2.5 (2)		2.0 (1)	3.0 (3)		3.0 (1)		
<b>Goat</b>		2.0 (2)					3.0 (1)		

**Mpumalanga**

**Balfour, Balfour Dierekliniek**

Beef: 1

**Lydenburg, Longtom Dierekliniek**

Beef: 2, Sheep: 2

**Lydenburg, Lydenburg Dieresprekkamer**

Beef: 2

**Gauteng**

**Bronkhorstspuit, Kerkstraat Dierekliniek**

Beef: 2, Sheep: 2, Goat: 1

**Hammanskraal, Themba Animal Clinic**

Beef: 2, Sheep: 3, Goat: 3

**North West**

**Christiana, Christiana Dierehospitaal**

Beef: 3

**Klerksdorp, Klerksdorp Dierehospitaal**

Beef: 2, Sheep: 2

**Leeudoringstad, Leeudoringstad Dierekliniek**

Beef: 3

**Schweizer-Reneke, Buffeldoorn Dierekliniek SR**

Beef: 3

**Stella, Stella Dierekliniek**

Beef: 3

**Free State**

**Bultfontein, Greylingrust Dieresprekkamer**

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: 1

**Philippolis, Rowelsfontein veearts Spreekkamer**

Sheep: 3

**Viljoenskroon, Viljoenskroon Dierekliniek**

Beef: 3

**Winburg, Winburg Dierekliniek**

Beef: 3

**Kwazulu-Natal**

**Bergville, Bergville Veterinary Clinic**

Beef: 2

**Eastern Cape**

**Steynsburg, Steynsburg Dierehospitaal**

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

**Northern Cape**

**Kathu, Kathu Dierekliniek**

Beef: 3

**Red-legged ticks**

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

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

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

**Mpumalanga**

**Balfour, Balfour Dierekliniek**

Beef: 2

**Lydenburg, Lydenburg Dieresprekkamer**

Beef: 3

**North West**

**Christiana, Christiana Dierehospitaal**

Beef: 3

**Free State**

**Hoopstad, Hoopstad Dierekliniek**

Beef: 3, Sheep: 3

**Memel, Memel Veterinary Clinic**

Beef: 1

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

Beef: 3

**Vryheid, Vryheid Privaat Veeartse**

Beef: 2

**Paralysis ticks**

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

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

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

Sheep: 1

**Free State****Reitz, Riemland Dierehospitaal**

Beef: 2

**Villiers, Wilgepoort Dierekliniek Vennootskap**

Sheep: 2

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

Goat: 1

**Biting lice (red lice)**

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

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



**Goat** 1.0 (1)

**Free State**

**Hoopstad, Hoopstad Dierekliniek**

Beef: 3

**Reitz, Riemland Dierehospitaal**

Sheep: 1

**Eastern Cape**

**Graaff-Reinet, Camdeboo Veterinary Clinic**

Goat: 1

**Sucking lice (blue lice)** ^

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

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

**Beef** 3.0 (1)

**Sheep** 1.0 (1)

**Goat** 2.0 (1) 3.0 (1)

**Free State**

**Hoopstad, Hoopstad Dierekliniek**

Beef: 3

**Eastern Cape**

**Graaff-Reinet, Camdeboo Veterinary Clinic**

Goat: 2

**Humansdorp, Humansdorp Veterinary Clinic**

Sheep: 1

**Northern Cape**

**Postmasburg, Postmasburg Dierekliniek**

Goat: 3

**Scab mites** ^

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

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

**Sheep** 3.0 (1)

**Free State**

**Bethlehem, Bethlehem Animal Hospital**

Sheep: 3

## Mange Mites

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

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

<b>Beef</b>	2.0 (1)			3.0 (1)	1.0 (1)				
-------------	---------	--	--	---------	---------	--	--	--	--

### Mpumalanga

#### Balfour, Balfour Dierekliniek

Beef: 2

### North West

#### Christiana, Christiana Dierehospitaal

Beef: 3

Sarcoptes mites

### Free State

#### Bultfontein, Greylingrust Dieresprekkamer

Beef: 1

## Nuisance Flies

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>	2.6 (5)			3.0 (1)	2.8 (5)	2.8 (5)	3.0 (2)	1.3 (3)	

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

<b>Beef</b>	2.8 (4)			3.0 (1)	3.0 (2)	2.7 (3)	3.0 (1)	1.5 (2)	
<b>Dairy</b>					3.0 (1)	3.0 (1)	3.0 (1)		
<b>Sheep</b>	2.0 (1)				2.5 (2)	3.0 (1)		1.0 (1)	

### Mpumalanga

#### Balfour, Balfour Dierekliniek

Beef: 2, Sheep: 2

#### Lydenburg, Longtom Dierekliniek

Beef: 3

#### Middelburg, Middelburg Dierehospitaal

Beef: 3

#### Nelspruit, Nelspruit Animal Hospital

Beef: 3

### North West

#### Leeudoringstad, Leeudoringstad Dierekliniek

Beef: 3

**Free State**

**Hoopstad, Hoopstad Dierekliniek**

Sheep: 3

**Kroonstad, Kroonstad Dierehospitaal**

Dairy: 3

**Memel, Memel Veterinary Clinic**

Beef: 3

**Villiers, Wilgepoort Dierekliniek Vennootskap**

Sheep: 2

**Winburg, Winburg Dierekliniek**

Beef: 3

**Kwazulu-Natal**

**Bergville, Bergville Veterinary Clinic**

Beef: 3

**Mtubatuba, Mtubatuba Animal Clinic**

Beef: 2

**Underberg, Underberg Veterinary Surgery**

Beef: 3, Dairy: 3, Sheep: 3

**Eastern Cape**

**Elliot, EG Veterinary Services Elliot**

Beef: 3, Dairy: 3

**Western Cape**

**Oudtshoorn, Ostrimed**

Beef: 2

**Oudtshoorn, Oudtshoorn Dierekliniek**

Beef: 1, Sheep: 1

**Blowflies**

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>		1.0 (1)			3.0 (2)	2.8 (4)	2.0 (1)	2.0 (4)	

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

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

**Gauteng**

**Bronkhorstspuit, Kerkstraat Dierekliniek**

Beef: 1

**Free State**

**Hoopstad, Hoopstad Dierekliniek**

Sheep: 3

**Winburg, Winburg Dierekliniek**

Beef: 3

**Kwazulu-Natal**

**Howick, Howick Veterinary Clinic**

Sheep: 2

**Underberg, Underberg Veterinary Surgery**

Beef: 3, Dairy: 3, Sheep: 3

**Eastern Cape**

**Aliwal North, Hertzogbrug Dierekliniek**

Sheep: 2

**Western Cape**

**Heidelberg (WC), Heidelberg Dierekliniek**

Sheep: 2

**Oudtshoorn, Ostrimed**

Beef: 2

**Oudtshoorn, Oudtshoorn Dierekliniek**

Beef: 2, Sheep: 2

**Screw-worm**

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

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

**Beef** 2.0 (1)

**Mpumalanga**

**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
Average	3.0 (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** 3.0 (2) 2.3 (4)

**Mpumalanga**

**Lydenburg, Longtom Dierekliniek**

Sheep: 3

**Standerton, Econovet**

Sheep: 3

**Free State**

**Bultfontein, Greylingrust Dieresprekkamer**

Sheep: 2

**Hoopstad, Hoopstad Dierekliniek**

Sheep: 3

**Reitz, Riemland Dierehospitaal**

Sheep: 2

**Villiers, Wilgepoort Dierekliniek Vennootskap**

Sheep: 2

## Midges [^](#)

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>	2.5 (4)			3.0 (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

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

### Mpumalanga

#### Balfour, Balfour Dierekliniek

Beef: 2, Sheep: 2

#### Standerton, Econovet

Beef: 3, Sheep: 3

### North West

#### Leeudoringstad, Leeudoringstad Dierekliniek

Beef: 3

### Free State

#### Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

### Kwazulu-Natal

#### Bergville, Bergville Veterinary Clinic

Beef: 2

## Mosquitoes [^](#)

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

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

### Mpumalanga

#### Standerton, Econovet

Beef: 3, Sheep: 3

### North West

#### Leeudoringstad, Leeudoringstad Dierekliniek

Beef: 3

**Free State****Hoopstad, Hoopstad Dierekliniek**

Beef: 3, Sheep: 3

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

Beef: 2

**Tick-borne Diseases****African red water**

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>	2.3 (3)	1.0 (1)	2.0 (1)	1.5 (4)	2.3 (3)	2.3 (9)	2.0 (2)	1.3 (3)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
<b>Beef</b>	2.3 (3)	1.0 (1)	2.0 (1)	1.5 (4)	2.3 (3)	2.3 (8)	2.0 (2)	1.0 (1)	
<b>Dairy</b>						3.0 (1)		1.5 (2)	

**Mpumalanga****Grootvlei, Grootvlei Dierekliniek**

Beef: 2

**Lydenburg, Longtom Dierekliniek**

Beef: 3

**Standerton, Econovet**

Beef: 2

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

Beef: 1

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

Beef: 2

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

Beef: 1

**Lichtenburg, Dr CM Kruger-Rall**

Beef: 2

Cases in Belfast, Mpumalanga

**Ottosdal, Lakensvlei Dierehospitaal**

Beef: 1

**Potchefstroom, Morvet**

Beef: 2

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

Beef: 3

**Reitz, Riemland Dierehospitaal**

Beef: 2

**Winburg, Winburg Dierekliniek**

Beef: 2

**Kwazulu-Natal**

**Bergville, Bergville Veterinary Clinic**

Beef: 2

**Estcourt, Estcourt Vet Clinic**

Beef: 2

**Howick, Howick Veterinary Clinic**

Beef: 3, Dairy: 3

**Mtubatuba, Mtubatuba Animal Clinic**

Beef: 2

**Newcastle, Ncanduvet Newcastle**

Beef: 2

**Pietermaritzburg, Veterinary House Hospital**

Beef: 2

**Underberg, Underberg Veterinary Surgery**

Beef: 3

**Vryheid, Vryheid Privaat Veeartse**

Beef: 2

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

Beef: 3

**Witelsbos, Witelsbos Veterinary Consulting Rooms**

Beef: 1

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

Beef: 1, Dairy: 1

**Heidelberg (WC), Heidelberg Dierekliniek**

Dairy: 2

**Asiatic red water**

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>	1.7 (7)				1.6 (5)	1.9 (9)	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

<b>Beef</b>	1.7 (7)				1.6 (5)	1.9 (8)	1.8 (4)		
<b>Dairy</b>						2.0 (1)	3.0 (1)		

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

Beef: 2

**Grootvlei, Grootvlei Dierekliniek**

Beef: 1

**Hendrina, Mooiplaas Veterinêre Dienste**

Beef: 1

**Lydenburg, Longtom Dierekliniek**

Beef: 2

**Lydenburg, Lydenburg Dieresprekkamer**

Beef: 2

**Standerton, Econovet**

Beef: 2

**Volksrust, Cape Cross Volksrust Dierehospitaal**

Beef: 2

Suspected, calves

**Free State****Bethlehem, Bethlehem Animal Hospital**

Beef: 1

**Ficksburg, Oosvrystaat Diere Produkte**

Beef: 1

**Frankfort, Frankfort Dierekliniek**

Beef: 3

**Viljoenskroon, Viljoenskroon Dierekliniek**

Beef: 1

**Winburg, Winburg Dierekliniek**

Beef: 2

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

Beef: 2

**Bergville, Tugela Vet Clinic**

Beef: 2

**Dundee, Endumeni Herd health**

Beef: 2

**Estcourt, Estcourt Vet Clinic**

Beef: 2

**Howick, Howick Veterinary Clinic**

Beef: 2, Dairy: 2

**Mtubatuba, Mtubatuba Animal Clinic**

Beef: 1

**Pietermaritzburg, Veterinary House Hospital**

Beef: 1

**Underberg, Underberg Veterinary Surgery**

Beef: 3

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

Beef: 2

**Elliot, EG Veterinary Services Elliot**

Beef: 3

Especially in young calves under 2 months of age

Dairy: 3

**Humansdorp, Humansdorp Veterinary Clinic**

Beef: 1

**Stutterheim, Stutterheim Veterinary Clinic**

Beef: 1

One newly purchased bull died per-acutely

**Anaplasmosis**

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>	2.0 (1)	1.3 (3)		2.4 (5)	2.0 (8)	1.8 (6)	1.5 (4)	1.5 (4)	2.0 (1)

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



<b>Beef</b>	2.0 (1)	1.3 (3)	2.4 (5)	2.0 (8)	1.8 (5)	1.3 (3)	1.5 (2)	2.0 (1)
<b>Dairy</b>					2.0 (1)	2.0 (1)	1.5 (2)	
<b>Mpumalanga</b>								
<b>Grootvlei, Grootvlei Dierekliniek</b>								
Beef: 2								
<b>Gauteng</b>								
<b>Hammanskraal, Themba Animal Clinic</b>								
Beef: 1								
<b>Magaliesburg, Magaliesburg; Dr Ryan Jeffrey</b>								
Beef: 2								
<b>Pretoria, Anima Veterinary Consulting Rooms</b>								
Beef: 1								
<b>North West</b>								
<b>Christiana, Christiana Dierehospitaal</b>								
Beef: 3								
<b>Klerksdorp, Klerksdorp Dierehospitaal</b>								
Beef: 2								
<b>Leeudoringstad, Leeudoringstad Dierekliniek</b>								
Beef: 3								
<b>Potchefstroom, Morvet</b>								
Beef: 2								
<b>Schweizer-Reneke, Buffeldoorn Dierekliniek SR</b>								
Beef: 2								
<b>Free State</b>								
<b>Bethlehem, Bethlehem Animal Hospital</b>								
Beef: 1								
<b>Bultfontein, Greylingrust Dierspreekkamer</b>								
Beef: 3								
<b>Frankfort, Frankfort Dierekliniek</b>								
Beef: 2								
<b>Hoopstad, Hoopstad Dierekliniek</b>								
Beef: 3								
<b>Kroonstad, Kroonstad Dierehospitaal</b>								
Beef: 2								
<b>Memel, Memel Veterinary Clinic</b>								
Beef: 2								
<b>Wesselsbron, Wesselsbron Dierekliniek</b>								
Beef: 1								
<b>Winburg, Winburg Dierekliniek</b>								
Beef: 2								
<b>Kwazulu-Natal</b>								
<b>Bergville, Bergville Veterinary Clinic</b>								
Beef: 2								
<b>Bergville, Tugela Vet Clinic</b>								
Beef: 1								
<b>Howick, Howick Veterinary Clinic</b>								
Dairy: 2								
<b>Pietermaritzburg, Veterinary House Hospital</b>								
Beef: 1								
<b>Underberg, Underberg Veterinary Surgery</b>								
Beef: 3								
Acute deaths								
<b>Vryheid, Vryheid Privaat Veeartse</b>								

Beef: 2

**Eastern Cape**

**Alexandria, Riverview Trading Vet Consulting Services**

Dairy: 2

**Aliwal North, Hertzogbrug Dierekliniek**

Beef: 1

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

Beef: 2

**Humansdorp, Humansdorp Veterinary Clinic**

Beef: 1

Deaths reported by farmers: one died, 2 diseased

**Western Cape**

**Darling, Tygerberg Dierehospitaal Darling**

Dairy: 2

**Stellenbosch, Stellenbosch Animal Hospital**

Beef: 1

**Wellington, Wellington Dierehospitaal**

Beef: 2

**Worcester, Durban Straat Dierekliniek Worcester**

Dairy: 1

**Northern Cape**

**Kuruman, State Vet Kuruman**

Beef: 2

Sporadic outbreaks

**Heartwater**

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>	1.8 (5)	1.8 (9)	1.8 (4)	2.0 (3)		1.8 (16)	2.5 (2)		

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

<b>Beef</b>	1.8 (4)	1.7 (3)	2.0 (3)	2.0 (2)		2.0 (7)	2.5 (2)		
<b>Dairy</b>			1.0 (1)			1.5 (2)			
<b>Sheep</b>	2.0 (1)	2.0 (3)		2.0 (1)		1.8 (4)			
<b>Goat</b>		1.7 (3)				1.7 (3)			

**Mpumalanga**

**Lydenburg, Longtom Dierekliniek**

Beef: 2, Sheep: 2

**Lydenburg, Lydenburg Dieresprekkamer**

Beef: 2

**Middelburg, Middelburg Dierehospitaal**

Beef: 2

**Nelspruit, Nelspruit Animal Hospital**

Beef: 1

**Gauteng**

**Bronkhorstspuit, Kerkstraat Dierekliniek**

Beef: 1

**Hammanskraal, Themba Animal Clinic**

Beef: 2, Sheep: 2, Goat: 2

**Magaliesburg, Magaliesburg; Dr Ryan Jeffrey**

Beef: 2, Sheep: 2, Goat: 2

**Pretoria, Anima Veterinary Consulting Rooms**

Sheep: 2

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

Goat: 1

**Limpopo**

**Makhado, Blouberg Dierekliniek**

Beef: 3

Ten cases

**Mokopane, Bundu Veterinary Services**

Beef: 1

**Tzaneen, ZZ2 Farm Practice**

Dairy: 1

**Vaalwater, Vaalwater Dieresprekkamer**

Beef: 2

**North West**

**Brits, Brits Dierekliniek**

Beef: 2, Sheep: 2

**Schweizer-Reneke, Buffeldoorn Dierekliniek SR**

Beef: 2

Amalia

**Kwazulu-Natal**

**Bergville, Bergville Veterinary Clinic**

Beef: 2

**Bergville, Tugela Vet Clinic**

Beef: 2, Sheep: 2

**Dundee, Endumeni Herd health**

Sheep: 2

**Estcourt, Estcourt Vet Clinic**

Beef: 2, Dairy: 2, Goat: 2

**Howick, Howick Veterinary Clinic**

Beef: 2, Dairy: 1, Sheep: 2

**Mtubatuba, Mtubatuba Animal Clinic**

Beef: 3, Goat: 2

**Pietermaritzburg, Veterinary House Hospital**

Beef: 2

**Pongola, Pongola Animal Clinic**

Beef: 1, Sheep: 1, Goat: 1

**Eastern Cape**

**Alexandria, Riverview Trading Vet Consulting Services**

Beef: 3

**Elliot, EG Veterinary Services Elliot**

Beef: 2

Heartwater creeping closer - Rietvlei, 45 km from Kokstad

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

<b>Beef</b>		2.0 (1)	2.0 (1)	2.6 (5)	2.0 (1)				
<b>Gauteng</b>									
<b>Bronkhorstspuit, Kerkstraat Dierekliniek</b>									
Beef: 2									
<b>Limpopo</b>									
<b>Makhado, Blouberg Dierekliniek</b>									
Beef: 2									
Three calves									
<b>North West</b>									
<b>Christiana, Christiana Dierehospitaal</b>									
Beef: 3									
<b>Klerksdorp, Klerksdorp Dierehospitaal</b>									
Beef: 2									
<b>Leeudoringstad, Leeudoringstad Dierekliniek</b>									
Beef: 3									
<b>Schweizer-Reneke, Buffeldoorn Dierekliniek SR</b>									
Beef: 2									
<b>Stella, Stella Dierekliniek</b>									
Beef: 3									
<b>Free State</b>									
<b>Winburg, Winburg Dierekliniek</b>									
Beef: 2									

## Insect Transmittable Diseases

### Lumpy skin disease

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>		3.0 (1)			1.4 (5)	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

<b>Beef</b>		3.0 (1)			1.4 (5)	1.0 (1)		1.0 (1)	
<b>Dairy</b>						2.0 (1)			

<b>Gauteng</b>									
<b>Bronkhorstspuit, Kerkstraat Dierekliniek</b>									
Beef: 3									
<b>Free State</b>									
<b>Clocolan, Clocolan Dierekliniek</b>									
Beef: 1									
<b>Ficksburg, Oosvrystaat Diere Produkte</b>									
Beef: 1									
<b>Hoopstad, Hoopstad Dierekliniek</b>									
Beef: 2									
<b>Viljoenskroon, Viljoenskroon Dierekliniek</b>									

Beef: 1

**Winburg, Winburg Dierekliniek**

Beef: 2

**Kwazulu-Natal**

**Howick, Howick Veterinary Clinic**

Dairy: 2

**Pongola, Pongola Animal Clinic**

Beef: 1

**Western Cape**

**Caledon, Overberg Veterinary Hospital**

Beef: 1

**Three-day-stiffsickness**

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

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

<b>Beef</b>	1.0 (1)	2.0 (2)		1.7 (3)	2.0 (4)	1.0 (2)		2.0 (1)	
<b>Dairy</b>					1.0 (1)				

**Mpumalanga**

**Grootvlei, Grootvlei Dierekliniek**

Beef: 1

**Gauteng**

**Bronkhorstspuit, Kerkstraat Dierekliniek**

Beef: 2

**Pretoria, Anima Veterinary Consulting Rooms**

Beef: 2

**North West**

**Brits, Brits Dierekliniek**

Beef: 1

**Potchefstroom, Morvet**

Beef: 2

**Schweizer-Reneke, Buffeldoorn Dierekliniek SR**

Beef: 2

**Free State**

**Clocolan, Clocolan Dierekliniek**

Beef: 1

**Hoopstad, Hoopstad Dierekliniek**

Beef: 3

**Viljoenskroon, Viljoenskroon Dierekliniek**

Beef: 2

**Wesselsbron, Wesselsbron Dierekliniek**

Beef: 2, Dairy: 1

**Kwazulu-Natal**

**Dundee, Endumeni Herd health**

Beef: 1

**Pongola, Pongola Animal Clinic**

Beef: 1

**Western Cape****Plettenberg Bay, Plettenberg Bay A Reitz**

Beef: 2

Two calves in dairy herd

**Blue tongue**

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

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

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

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

Sheep: 2

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

Sheep: 1

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

Sheep: 1

**Winburg, Winburg Dierekliniek**

Sheep: 2

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

Sheep: 2

**Moorreesburg, Tygerberg Moorreesburg**

Sheep: 1

**Nagana**

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

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

<b>Beef</b>						3.0 (1)			
-------------	--	--	--	--	--	---------	--	--	--

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

Beef: 3

**Venereal Diseases**

## Trichomonosis ^

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>	1.3 (3)	2.0 (1)	2.0 (1)	2.3 (3)	2.4 (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

<b>Beef</b>	1.3 (3)	2.0 (1)	2.0 (1)	2.3 (3)	2.4 (8)		1.0 (1)		
-------------	---------	---------	---------	---------	---------	--	---------	--	--

### Mpumalanga

#### Ermelo, Mōregloed Veterinêre Spreekkamer

Beef: 1

#### Grootvlei, Grootvlei Dierekliniek

Beef: 2

#### Hendrina, Mooiplaas Veterinêre Dienste

Beef: 1

### Gauteng

#### Bronkhorstspuit, Kerkstraat Dierekliniek

Beef: 2

### Limpopo

#### Makhado, Blouberg Dierekliniek

Beef: 2

### North West

#### Leeudoringstad, Leeudoringstad Dierekliniek

Beef: 3

#### Lichtenburg, Dr CM Kruger-Rall

Beef: 1

#### Stella, Stella Dierekliniek

Beef: 3

### Free State

#### Frankfort, Frankfort Dierekliniek

Beef: 2

#### Hoopstad, Hoopstad Dierekliniek

Beef: 3

#### Kroonstad, Kroonstad Dierehospitaal

Beef: 2

#### Reitz, Riemland Dierehospitaal

Beef: 2

#### Senekal, Senekal Dierekliniek

Beef: 2

#### Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 3

#### Wesselsbron, Wesselsbron Dierekliniek

Beef: 2

#### Winburg, Winburg Dierekliniek

Beef: 3

### Eastern Cape

#### Aliwal North, Hertzogbrug Dierekliniek

Beef: 1

## Vibriosis

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>	1.0 (1)		1.0 (1)	2.0 (2)	1.8 (5)	1.0 (1)			

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

<b>Beef</b>	1.0 (1)		1.0 (1)	2.0 (2)	1.8 (5)	1.0 (1)			
-------------	---------	--	---------	---------	---------	---------	--	--	--

### Mpumalanga

#### Hendrina, Mooiplaas Veterinêre Dienste

Beef: 1

### Limpopo

#### Makhado, Blouberg Dierekliniek

Beef: 1

### North West

#### Leeudoringstad, Leeudoringstad Dierekliniek

Beef: 3

#### Vryburg, Vryburg Prov Vet Laboratory

Beef: 1

In a herd with one animal tested positive.

### Free State

#### Reitz, Riemland Dierhospitaal

Beef: 1

#### Senekal, Senekal Dierekliniek

Beef: 1

#### Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 3

#### Wesselsbron, Wesselsbron Dierekliniek

Beef: 1

#### Winburg, Winburg Dierekliniek

Beef: 3

### 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
<b>Average</b>	1.8 (4)			2.3 (3)	2.0 (1)	1.6 (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



<b>Beef</b>	1.7 (3)	2.5 (2)	2.0 (1)	1.6 (5)
<b>Sheep</b>	2.0 (1)	2.0 (1)		2.0 (1)

### Mpumalanga

#### Balfour, Balfour Dierekliniek

Beef: 1

#### Standerton, Econovet

Beef: 2, Sheep: 2

#### Volksrust, Cape Cross Volksrust Dierehospitaal

Beef: 2

5 cases

### North West

#### Leeudoringstad, Leeudoringstad Dierekliniek

Beef: 3

Advised to use multi-clostridial vaccines

#### Ottosdal, Lakensvlei Dierehospitaal

Beef: 2, Sheep: 2

### Free State

#### Winburg, Winburg Dierekliniek

Beef: 2

### Kwazulu-Natal

#### Bergville, Bergville Veterinary Clinic

Beef: 1

#### Bergville, Tugela Vet Clinic

Beef: 2

#### Howick, Howick Veterinary Clinic

Beef: 2

#### Pietermaritzburg, Veterinary House Hospital

Beef: 2

#### Pongola, Pongola Animal Clinic

Beef: 1

### Western Cape

#### Beaufort West, Beaufort Dierekliniek

Sheep: 2

## Botulism ^

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

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

### North West

#### Christiana, Christiana Dierehospitaal

Beef: 1

#### Ottosdal, Lakensvlei Dierehospitaal

Beef: 1

### Free State

**Winburg, Winburg Dierekliniek**

Beef: 2

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

Beef: 1

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

Beef: 3

**Pulpy Kidney**

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

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

<b>Sheep</b>	2.0 (2)		2.0 (1)		2.0 (5)		2.5 (2)	1.0 (2)	
<b>Goat</b>		1.0 (1)					2.0 (1)		

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

Sheep: 1

**Volksrust, Cape Cross Volksrust Dierehospitaal**

Sheep: 3

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

Goat: 1

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

Sheep: 2

Moved camps, 5 lambs died

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

Sheep: 2

**Hoopstad, Hoopstad Dierekliniek**

Sheep: 3

**Ladybrand, Ladybrand Dierekliniek**

Sheep: 1

**Viljoenskroon, Viljoenskroon Dierekliniek**

Sheep: 3

**Wesselsbron, Wesselsbron Dierekliniek**

Sheep: 1

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

Sheep: 2, Goat: 2

**Steynsburg, Steynsburg Dierehospitaal**

Sheep: 3

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

Sheep: 1

**Oudtshoorn, Oudtshoorn Dierekliniek**

Sheep: 1

**Swelled head disease**

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

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

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

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

Beef: 1

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

Beef: 1

**Western Cape****Caledon, Overberg Veterinary Hospital**

Sheep: 2

**Red gut (cattle)**

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

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

<b>Beef</b>	1.3 (3)	1.0 (1)		1.0 (1)	2.0 (1)	1.0 (1)		1.0 (1)	
-------------	---------	---------	--	---------	---------	---------	--	---------	--

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

Beef: 1

**Bethal, Bethal Dierekliniek**

Beef: 1

**Volksrust, Cape Cross Volksrust Dierehospitaal**

Beef: 2

Calves

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

Beef: 1

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

Beef: 1

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

Beef: 2

### Kwazulu-Natal

Newcastle, Ncanduvet Newcastle

Beef: 1

### Western Cape

Darling, Tygerberg Dierehospitaal Darling

Beef: 1

## Blood gut (Sheep)

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

Sheep					2.0 (1)		1.0 (1)	1.7 (3)	
-------	--	--	--	--	---------	--	---------	---------	--

### Free State

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 2

### Eastern Cape

Uitenhage, Uitenhage Dierehospitaal

Sheep: 1

### Western Cape

Beaufort West, Beaufort Dierekliniek

Sheep: 2

Caledon, Overberg Veterinary Hospital

Sheep: 2

Darling, Tygerberg Dierehospitaal Darling

Sheep: 1

## Tetanus

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

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

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

### Mpumalanga

Lydenburg, Longtom Dierekliniek

Sheep: 1

### Free State

Reitz, Riemland Dierehospitaal

Sheep: 2

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

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

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

**Free State**

**Viljoenskroon, Viljoenskroon Dierekliniek**

Beef: 2

**Kwazulu-Natal**

**Vryheid, Vryheid Privaat Veeartse**

Beef: 2

**Brucella abortus**

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>			2.0 (1)	2.3 (3)	2.3 (7)				

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

<b>Beef</b>			2.0 (1)	2.3 (3)	2.3 (7)				
-------------	--	--	---------	---------	---------	--	--	--	--

**Limpopo**

**Makhado, Blouberg Dierekliniek**

Beef: 2

**North West**

**Brits, Brits Dierekliniek**

Beef: 2

**Klerksdorp, Klerksdorp Dierehospitaal**

Beef: 2

**Lichtenburg, Dr CM Kruger-Rall**

Beef: 3

Eleven positive animals

**Free State**

**Frankfort, Frankfort Dierekliniek**

Beef: 3

**Hoopstad, Hoopstad Dierekliniek**

Beef: 3

**Kroonstad, Kroonstad Dierehospitaal**

Beef: 2

**Ladybrand, Ladybrand Dierekliniek**

Beef: 2

**Smithfield, Freestate Smithfield SV**

Beef: 1

One positive case, animal branded and slaughtered at abattoir

**Wesselsbron, Wesselsbron Dierekliniek**

Beef: 2

**Winburg, Winburg Dierekliniek**

Beef: 3

**Septicaemia**

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

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

<b>Beef</b>	1.0 (1)
-------------	---------

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

Beef: 1

***E. coli***

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>	2.1 (8)	2.0 (2)	2.0 (1)	2.6 (5)	2.5 (13)	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

<b>Beef</b>	2.2 (6)	1.0 (1)	2.0 (1)	2.3 (3)	2.7 (6)	2.0 (1)		1.0 (1)	
<b>Dairy</b>					2.0 (1)			2.0 (1)	
<b>Sheep</b>	2.0 (2)	3.0 (1)		3.0 (2)	2.5 (6)				

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

Beef: 2, Sheep: 2

**Grootvlei, Grootvlei Dierekliniek**

Beef: 2

**Lydenburg, Longtom Dierekliniek**

Beef: 3

**Lydenburg, Lydenburg Dieresprekkamer**

Beef: 2

**Middelburg, Middelburg Dierehospitaal**

Beef: 2

**Standerton, Econovet**

Beef: 2, Sheep: 2

**Gauteng**

**Hammanskraal, Themba Animal Clinic**

Beef: 1

**Pretoria, Anima Veterinary Consulting Rooms**

Sheep: 3

**Limpopo**

**Makhado, Blouberg Dierekliniek**

Beef: 2

Six cases in calves

**North West**

**Christiana, Christiana Dierehospitaal**

Beef: 2

**Klerksdorp, Klerksdorp Dierehospitaal**

Beef: 2, Sheep: 3

**Leeudoringstad, Leeudoringstad Dierekliniek**

Beef: 3, Sheep: 3

Good results with autogenous vaccines

**Free State**

**Bethlehem, Bethlehem Animal Hospital**

Sheep: 3

**Clocolan, Clocolan Dierekliniek**

Beef: 2, Dairy: 2, Sheep: 2

**Dewetsdorp, Platkop Dierekliniek**

Beef: 2, Sheep: 2

With Cryptosporidiosis

**Hoopstad, Hoopstad Dierekliniek**

Beef: 3, Sheep: 3

**Kroonstad, Kroonstad Dierehospitaal**

Beef: 3

**Viljoenskroon, Viljoenskroon Dierekliniek**

Beef: 3, Sheep: 3

**Villiers, Wilgepoort Dierekliniek Vennootskap**

Sheep: 2

**Winburg, Winburg Dierekliniek**

Beef: 3

**Kwazulu-Natal**

**Vryheid, Vryheid Privaat Veeartse**

Beef: 2

**Western Cape**

**Caledon, Overberg Veterinary Hospital**

Dairy: 2

**Wellington, Wellington Dierehospitaal**

Beef: 1

Pneumonia in feedlot

**Dermatophilosis (Lumpy Wool)**



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

<b>Average</b>	1.0 (1)
----------------	------------

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

<b>Sheep</b>	1.0 (1)
--------------	------------

**Free State**

**Villiers, Wilgepoort Dierekliniek Vennootskap**

Sheep: 1

**Bovine Dermatophilosis (Senkobo disease)**

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

<b>Average</b>	1.5 (2)					1.0 (2)			
----------------	---------	--	--	--	--	---------	--	--	--

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

<b>Beef</b>	1.5 (2)					1.0 (2)			
-------------	---------	--	--	--	--	---------	--	--	--

**Mpumalanga**

**Lydenburg, Longtom Dierekliniek**

Beef: 1

**Nelspruit, Nelspruit Animal Hospital**

Beef: 2

**Kwazulu-Natal**

**Mtubatuba, Mtubatuba Animal Clinic**

Beef: 1

**Pietermaritzburg, Veterinary House Hospital**

Beef: 1

***Fusibacterium necrophorum***

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

<b>Average</b>	2.0 (1)					3.0 (1)			
----------------	---------	--	--	--	--	---------	--	--	--

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

<b>Beef</b>	2.0 (1)					3.0 (1)			
-------------	---------	--	--	--	--	---------	--	--	--

**Mpumalanga**

**Lydenburg, Longtom Dierekliniek**

Beef: 2

**Kwazulu-Natal**

**Howick, Howick Veterinary Clinic**

Beef: 3

**Listeriosis**



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

**Average** 3.0 (1)

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

**Sheep** 3.0 (1)

#### Western Cape

**Caledon, Overberg Veterinary Hospital**

Sheep: 3

#### Other [^](#)

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

**Average** 1.0 (1) 3.0 (1)

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

**Beef** 1.0 (1) 3.0 (1)

#### Kwazulu-Natal

**Bergville, Tugela Vet Clinic**

Beef: 1

Pulpy kidney

#### Northern Cape

**Kimberley, Kimberley Dierkliniek**

Beef: 3

Interdigital dermatitis

#### Pasteurellosis [^](#)

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

**Average** 3.0 (1)

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

**Sheep** 3.0 (1)

#### Western Cape

**Beaufort West, Beaufort Dierkliniek**

Sheep: 3

#### Protozoal diseases (other)

#### Besnoitiosis [^](#)

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

<b>Average</b>	1.0 (1)	2.0 (1)
----------------	---------	---------

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

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

**Mpumalanga**

**Bethal, Bethal Dierekliniek**

Beef: 1

**North West**

**Brits, Brits Dierekliniek**

Beef: 2

**Coccidiosis**

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>	2.0 (1)		2.0 (1)		1.7 (3)	1.0 (1)	2.2 (5)	2.0 (4)	

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

<b>Beef</b>			2.0 (1)		2.0 (1)	1.0 (1)			
<b>Dairy</b>								3.0 (1)	
<b>Sheep</b>					1.5 (2)		2.0 (2)	1.7 (3)	
<b>Goat</b>	2.0 (1)						2.3 (3)		

**Mpumalanga**

**Nelspruit, Nelspruit Animal Hospital**

Goat: 2

**Limpopo**

**Makhado, Blouberg Dierekliniek**

Beef: 2

Three cases

**Free State**

**Reitz, Riemland Dierhospitaal**

Beef: 2

**Viljoenskroon, Viljoenskroon Dierekliniek**

Sheep: 1

**Villiers, Wilgepoort Dierekliniek Vennootskap**

Sheep: 2

**Kwazulu-Natal**

**Bergville, Bergville Veterinary Clinic**

Beef: 1

**Eastern Cape**

**Bathurst, Dr Jane Pistorius**

Goat: 2

Two cases

**Graaff-Reinet, Camdeboo Veterinary Clinic**

Sheep: 1, Goat: 2

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

Sheep: 3, Goat: 3

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

Dairy: 3, Sheep: 3

**Heidelberg (WC), Heidelberg Dierekliniek**

Sheep: 1

**Oudtshoorn, Oudtshoorn Dierekliniek**

Sheep: 1

**Cryptosporidium**

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>	2.5 (2)	3.0 (1)			2.6 (10)	1.9 (8)	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

<b>Beef</b>	2.5 (2)				2.7 (3)	2.0 (4)			
<b>Dairy</b>					2.5 (2)	2.0 (1)	3.0 (1)	2.5 (2)	
<b>Sheep</b>		3.0 (1)			2.6 (5)	1.7 (3)			

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

Beef: 3

**Standerton, Econovet**

Beef: 2

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

Sheep: 3

**Free State****Bethlehem, Bethlehem Animal Hospital**

Sheep: 3

**Clocolan, Clocolan Dierekliniek**

Beef: 2, Dairy: 2, Sheep: 2

**Dewetsdorp, Platkop Dierekliniek**

Sheep: 3

With *E. coli***Kroonstad, Kroonstad Dierehospitaal**

Beef: 3, Dairy: 3, Sheep: 3

**Parys, Parys Dierehospitaal**

Beef: 3

Decline in outbreaks

**Villiers, Wilgepoort Dierekliniek Vennootskap**

Sheep: 2

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

Beef: 2, Sheep: 2

**Howick, Howick Veterinary Clinic**

Beef: 1, Dairy: 2, Sheep: 2

**Newcastle, Ncanduvet Newcastle**

Beef: 2, Sheep: 1

**Underberg, Underberg Veterinary Surgery**

Beef: 3

**Eastern Cape**

**Elliot, EG Veterinary Services Elliot**

Dairy: 3

Young dairy calves

**Western Cape**

**Caledon, Overberg Veterinary Hospital**

Dairy: 2

**Swellendam, Swellendam Dierehospitaal**

Dairy: 3

Calves

**Fungal diseases**

**Ringworm**

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

**Mpumalanga**

**Balfour, Balfour Dierekliniek**

Beef: 1

**Grootvlei, Grootvlei Dierekliniek**

Beef: 1

**Gauteng**

**Pretoria, Anima Veterinary Consulting Rooms**

Goat: 2

**Limpopo**

**Makhado, Blouberg Dierekliniek**

Beef: 2

**North West**

**Christiana, Christiana Dierehospitaal**

Beef: 2

**Free State**

**Winburg, Winburg Dierekliniek**

Beef: 2

**Kwazulu-Natal**

**Bergville, Bergville Veterinary Clinic**

Beef: 2

**Mtubatuba, Mtubatuba Animal Clinic**

Beef: 1

**Pietermaritzburg, Veterinary House Hospital**

Beef: 2

**Eastern Cape**

**Steynsburg, Steynsburg Dierehospitaal**

Beef: 3

**Western Cape**

**Stellenbosch, Stellenbosch Animal Hospital**

Dairy: 1

## Viral Diseases (other)

### BMC (Snotsiekte)

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

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

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

**North West**

**Potchefstroom, Morvet**

Beef: 2

**Free State**

**Winburg, Winburg Dierekliniek**

Beef: 2

**Kwazulu-Natal**

**Bergville, Tugela Vet Clinic**

Beef: 1

### Rabies

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

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

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

**North West**

**Lichtenburg, Dr CM Kruger-Rall**

Beef: 2

Two outbreaks of rabies in cattle

### BVD (Bovine viral diarrhoea)

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

<b>Average</b>		2.0 (1)		3.0 (1)					
----------------	--	---------	--	---------	--	--	--	--	--

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

<b>Beef</b>		2.0 (1)		3.0 (1)					
-------------	--	---------	--	---------	--	--	--	--	--

#### Gauteng

**Hammanskraal, Themba Animal Clinic**

Beef: 2

#### North West

**Ottosdal, Lakensvlei Dierehospitaal**

Beef: 3

Farmers struggle with abortions in their herds. Trial done in 8 herds. Animals were not vaccinated previously with vaccine containing BVD antigen. 11 animals tested in each herd for BVD antibodies. Four herds 100% positive for BVD; 1 herd 90% positive; 2 herds 80% positive; one herd 30% positive.

### IBR (Infectious bovine rhinotracheitis)

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

<b>Average</b>						2.0 (2)			
----------------	--	--	--	--	--	---------	--	--	--

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

<b>Beef</b>						2.0 (2)			
-------------	--	--	--	--	--	---------	--	--	--

#### Kwazulu-Natal

**Bergville, Tugela Vet Clinic**

Beef: 1

**Pietermaritzburg, Veterinary House Hospital**

Beef: 3

### Enzootic Bovine Leucosis (EBL)

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

<b>Average</b>	1.0 (1)	1.0 (1)			3.0 (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

<b>Beef</b>	1.0 (1)	1.0 (1)			3.0 (1)	3.0 (1)			
-------------	---------	---------	--	--	---------	---------	--	--	--

<b>Dairy</b>								1.5 (2)	
--------------	--	--	--	--	--	--	--	---------	--

#### Mpumalanga

**Middelburg, Middelburg Dierehospitaal**

Beef: 1

#### Gauteng

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

Beef: 1

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

Beef: 3

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

Beef: 3

**Western Cape****Darling, Tygerberg Dierhospitaal Darling**

Dairy: 2

**Stellenbosch, Stellenbosch Animal Hospital**

Dairy: 1

Orf									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>		2.4 (5)		2.7 (3)	2.0 (6)		2.0 (1)	3.0 (1)	3.0 (1)
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
<b>Sheep</b>		2.5 (2)		2.5 (2)	2.0 (6)			3.0 (1)	
<b>Goat</b>		2.3 (3)		3.0 (1)			2.0 (1)		3.0 (1)

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

Sheep: 3, Goat: 3

**Pretoria, Anima Veterinary Consulting Rooms**

Sheep: 2, Goat: 2

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

Goat: 2

**North West****Christiana, Christiana Dierhospitaal**

Sheep: 3, Goat: 3

**Ventersdorp, Ventersdorp Dierekliniek**

Sheep: 2

**Free State****Bultfontein, Greylingrust Diersprekkamer**

Sheep: 2

**Hoopstad, Hoopstad Dierekliniek**

Sheep: 3

**Ladybrand, Ladybrand Dierekliniek**

Sheep: 3

**Philippolis, Rowelsfontein veearts Spreekkamer**

Sheep: 2

**Villiers, Wilgepoort Dierekliniek Vennootskap**

Sheep: 1

**Wesselsbron, Wesselsbron Dierekliniek**

Sheep: 1

**Eastern Cape**

**Graaff-Reinet, Camdeboo Veterinary Clinic**

Goat: 2

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

Sheep: 3

**Northern Cape****Postmasburg, Postmasburg Dierekliniek**

Goat: 3

**Warts**

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>	2.0 (2)		2.0 (1)	2.0 (1)	2.3 (3)	2.0 (2)		3.0 (1)	2.0 (1)

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

<b>Beef</b>	2.0 (2)		2.0 (1)	2.0 (1)	2.3 (3)	2.0 (2)		3.0 (1)	2.0 (1)
-------------	---------	--	---------	---------	---------	---------	--	---------	---------

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

Beef: 2

**Lydenburg, Longtom Dierekliniek**

Beef: 2

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

Beef: 2

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

Beef: 2

**Free State****Reitz, Riemland Dierehospitaal**

Beef: 2

**Villiers, Wilgepoort Dierekliniek Vennootskap**

Beef: 2

**Winburg, Winburg Dierekliniek**

Beef: 3

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

Beef: 1

**Underberg, Underberg Veterinary Surgery**

Beef: 3

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

Beef: 3

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

Beef: 2

**Other viral disease not listed**



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

**Average** 2.0 (1)

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

**Goat** 2.0 (1)

### Gauteng

**Magaliesburg, Magaliesburg; Dr Ryan Jeffrey**

Goat: 2

Suspected goat pox

## Poisonings (Plant) and Fungal

### Cardiac glycoside poisoning

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

**Average** 3.0 (1) 2.0 (1) 1.5 (2)

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

**Beef** 3.0 (1) 1.5 (2)

**Sheep** 2.0 (1)

### North West

**Stella, Stella Dierekliniek**

Beef: 3

Slangkop

### Western Cape

**Beaufort West, Beaufort Dierekliniek**

Sheep: 2

### Northern Cape

**Kathu, Kathu Dierekliniek**

Beef: 2

Slangkop

**Kimberley, Kimberley Dierekliniek**

Beef: 1

### Cestrum

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

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

**North West**

**Leeudoringstad, Leeudoringstad Dierekliniek**

Beef: 2

**Schweizer-Reneke, Buffeldoorn Dierekliniek SR**

Beef: 2

Calves

**Free State**

**Viljoenskroon, Viljoenskroon Dierekliniek**

Beef: 1

**Cynanchum poisoning**

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

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

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

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

**Eastern Cape**

**Alexandria, Riverview Trading Vet Consulting Services**

Dairy: 2

**Facial eczema**

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

<b>Average</b>								2.0 (2)	
----------------	--	--	--	--	--	--	--	---------	--

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

<b>Sheep</b>								2.0 (2)	
--------------	--	--	--	--	--	--	--	---------	--

**Western Cape**

**Caledon, Overberg Veterinary Hospital**

Sheep: 2

**Heidelberg (WC), Heidelberg Dierekliniek**

Sheep: 2

**Geeldikkop/Dikoor**

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

<b>Average</b>				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

Sheep	2.0 (1)	2.0 (3)
-------	---------	---------

#### North West

**Schweizer-Reneke, Buffeldoorn Dierekliniek SR**

Sheep: 2

#### Free State

**Clocolan, Clocolan Dierekliniek**

Sheep: 3

**Viljoenskroon, Viljoenskroon Dierekliniek**

Sheep: 2

**Wesselsbron, Wesselsbron Dierekliniek**

Sheep: 1

### Gifblaar

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

Average	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)	2.0 (1)							
------	---------	---------	--	--	--	--	--	--	--

Sheep	1.0 (1)								
-------	---------	--	--	--	--	--	--	--	--

#### Mpumalanga

**Ermelo, Moregloed Veterinere Spreekkamer**

Beef: 1, Sheep: 1

#### Gauteng

**Bronkhorstspuit, Kerkstraat Dierekliniek**

Beef: 2

### Gousiekte

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

Average		2.0 (1)							
---------	--	---------	--	--	--	--	--	--	--

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

Sheep		2.0 (1)							
-------	--	---------	--	--	--	--	--	--	--

#### Gauteng

**Bronkhorstspuit, Kerkstraat Dierekliniek**

Sheep: 2

### Lantana

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

Average		2.0 (1)	1.5 (2)			1.5 (2)			
---------	--	---------	---------	--	--	---------	--	--	--

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

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

**Gauteng**

**Hammanskraal, Themba Animal Clinic**

Goat: 2

**Limpopo**

**Mokopane, Bundu Veterinary Services**

Beef: 1

**Vaalwater, Vaalwater Dierespreekkamer**

Beef: 2

**Kwazulu-Natal**

**Bergville, Bergville Veterinary Clinic**

Beef: 2

**Camperdown, Camperdown Vet Clinic**

Goat: 1

**Nitrate poisoning**

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

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

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

**Gauteng**

**Magaliesburg, Magaliesburg; Dr Ryan Jeffrey**

Beef: 2

**Kwazulu-Natal**

**Howick, Howick Veterinary Clinic**

Dairy: 1

**Prussic acid poisoning**

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

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

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

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

Beef: 1

**Grootvlei, Grootvlei Dierekliniek**

Sheep: 1

**Free State****Reitz, Riemland Dierehospitaal**

Beef: 1

**Eastern Cape****Steynsburg, Steynsburg Dierehospitaal**

Sheep: 3

**Northern Cape****Postmasburg, Postmasburg Dierekliniek**

Dairy: 2

**Rye grass poisoning**

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

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

**Dairy**

2.0 (1)

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

Dairy: 2

**Seneciosis**

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

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

**Beef**

2.0 (1)

**Sheep**

3.0 (1)

**Eastern Cape****Elliot, EG Veterinary Services Elliot**

Sheep: 3

**Stutterheim, Stutterheim Veterinary Clinic**

Beef: 2

Weaner calves

**Tulip Poisoning**

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

<b>Average</b>	1.0 (1)	2.0 (1)
----------------	---------	---------

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

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

**Mpumalanga**

**Volkstrust, Cape Cross Volksrust Dierehospitaal**

Beef: 1

October: necropsy, suspected tulp

**North West**

**Klerksdorp, Klerksdorp Dierehospitaal**

Beef: 2

**Mycotoxycosis**

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

<b>Average</b>						2.0 (1)	3.0 (1)		
----------------	--	--	--	--	--	---------	---------	--	--

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

<b>Dairy</b>						2.0 (1)	3.0 (1)		
--------------	--	--	--	--	--	---------	---------	--	--

**Kwazulu-Natal**

**Howick, Howick Veterinary Clinic**

Dairy: 2

**Eastern Cape**

**Alexandria, Riverview Trading Vet Consulting Services**

Dairy: 3

**Poisonings**

**Urea Poisoning**

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

<b>Average</b>					2.0 (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

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

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

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

**Free State**

**Winburg, Winburg Dierekliniek**

Beef: 2

**Eastern Cape**

**Steynsburg, Steynsburg Dierehospitaal**

Sheep: 3, Goat: 3

**Snake Bite**

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

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

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

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

Beef: 2

**Blue-green algae**

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

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

<b>Beef</b>					1.0 (1)				
-------------	--	--	--	--	------------	--	--	--	--

**Free State****Senekal, Senekal Dierekliniek**

Beef: 1

**Other**

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

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

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

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

Sheep: 2

Treated maize seed

**Gauteng**

**Hammanskraal, Themba Animal Clinic**

Goat: 3

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

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

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

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

Sheep: 2

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

Beef: 3, Sheep: 3

**Stella, Stella Dierekliniek**

Beef: 3

Drought

**Free State****Kroonstad, Kroonstad Dierehospitaal**

Beef: 1

**Winburg, Winburg Dierekliniek**

Beef: 3

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

Beef: 3

**Underberg, Underberg Veterinary Surgery**

Beef: 3

Deficiency due to drought, dry conditions

Sheep: 3

Deficiency due to drought, dry conditions

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

Goat: 2

**Steynsburg, Steynsburg Dierehospitaal**

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

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

Sheep: 2

Drought

**Northern Cape****Postmasburg, Postmasburg Dierekliniek**



Beef: 3, Sheep: 3, Goat: 3

Protein deficiency									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>		2.0 (2)		3.0 (3)	2.0 (2)	2.5 (2)	2.5 (6)		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									
<b>Beef</b>		2.0 (1)		3.0 (2)	2.0 (2)	2.5 (2)	2.0 (2)		3.0 (1)
<b>Dairy</b>							3.0 (1)		
<b>Sheep</b>		2.0 (1)		3.0 (1)			3.0 (1)		3.0 (1)
<b>Goat</b>							2.5 (2)		3.0 (1)
<b>Gauteng</b>									
<b>Hammanskraal, Themba Animal Clinic</b>									
Beef: 2									
<b>Pretoria, Anima Veterinary Consulting Rooms</b>									
Sheep: 2									
<b>North West</b>									
<b>Christiana, Christiana Dierehospitaal</b>									
Beef: 3, Sheep: 3									
<b>Stella, Stella Dierekliniek</b>									
Beef: 3									
Drought									
<b>Free State</b>									
<b>Kroonstad, Kroonstad Dierehospitaal</b>									
Beef: 1									
<b>Winburg, Winburg Dierekliniek</b>									
Beef: 3									
<b>Kwazulu-Natal</b>									
<b>Bergville, Bergville Veterinary Clinic</b>									
Beef: 3									
<b>Underberg, Underberg Veterinary Surgery</b>									
Beef: 2									
Deficiency due to drought, dry conditions									
<b>Eastern Cape</b>									
<b>Aliwal North, Hertzogbrug Dierekliniek</b>									
Beef: 1									
<b>Graaff-Reinet, Camdeboo Veterinary Clinic</b>									
Goat: 2									
<b>Steynsburg, Steynsburg Dierehospitaal</b>									
Beef: 3, Dairy: 3, Sheep: 3, Goat: 3									
<b>Northern Cape</b>									
<b>Postmasburg, Postmasburg Dierekliniek</b>									
Beef: 3, Sheep: 3, Goat: 3									
Phosphate deficiency									

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

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

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

#### North West

##### Christiana, Christiana Dierehospitaal

Beef: 3, Sheep: 3

#### Kwazulu-Natal

##### Bergville, Bergville Veterinary Clinic

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
<b>Average</b>	1.5 (2)			2.0 (2)		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

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

#### Mpumalanga

##### Balfour, Balfour Dierekliniek

Beef: 1

##### Middelburg, Middelburg Dierehospitaal

Beef: 2

#### North West

##### Christiana, Christiana Dierehospitaal

Beef: 2

##### Klerksdorp, Klerksdorp Dierehospitaal

Beef: 2

#### Kwazulu-Natal

##### Howick, Howick Veterinary Clinic

Dairy: 3

##### Underberg, Underberg Veterinary Surgery

Beef: 3

#### Western Cape

##### Caledon, Overberg Veterinary Hospital

Dairy: 2

### Micro Nutritional Problems

## Copper deficiency [^](#)

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

### Kwazulu-Natal

#### Underberg, Underberg Veterinary Surgery

Beef: 2

### Eastern Cape

#### Graaff-Reinet, Camdeboo Veterinary Clinic

Sheep: 1

#### Humansdorp, Humansdorp Veterinary Clinic

Beef: 1

## Zinc deficiency [^](#)

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

### Mpumalanga

#### Hendrina, Mooiplaas Veterinêre Dienste

Sheep: 1

One case reported of mineral deficiency in sheep

### 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
<b>Average</b>		1.0 (1)		3.0 (1)	3.0 (1)	3.0 (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									
<b>Beef</b>						3.0 (1)			

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

#### Gauteng

Pretoria, Anima Veterinary Consulting Rooms

Sheep: 1

#### North West

Christiana, Christiana Dierhospitaal

Sheep: 3

#### Free State

Ladybrand, Ladybrand Dierkliniek

Sheep: 3

#### Kwazulu-Natal

Underberg, Underberg Veterinary Surgery

Beef: 3

#### Eastern Cape

Graaff-Reinet, Camdeboo Veterinary Clinic

Goat: 1

#### Northern Cape

Postmasburg, Postmasburg Dierkliniek

Goat: 3

### Vitamin A deficiency [^](#)

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

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

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

#### Mpumalanga

Balfour, Balfour Dierkliniek

Sheep: 1

#### North West

Christiana, Christiana Dierhospitaal

Beef: 3, Sheep: 3

### Vitamin B 1 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

Goat							2.0 (1)		
------	--	--	--	--	--	--	---------	--	--

#### Eastern Cape

Graaff-Reinet, Camdeboo Veterinary Clinic

Goat: 2

## Multi-factorial Disease Conditions

### Abortions

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>				2.5 (2)	2.3 (4)	2.2 (5)		2.0 (1)	

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

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

#### North West

##### Christiana, Christiana Dierhospitaal

Beef: 3

##### Klerksdorp, Klerksdorp Dierhospitaal

Beef: 2

#### Free State

##### Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

##### Kroonstad, Kroonstad Dierhospitaal

Beef: 1

##### Winburg, Winburg Dierekliniek

Beef: 2

#### Kwazulu-Natal

##### Bergville, Bergville Veterinary Clinic

Beef: 2

##### Bergville, Tugela Vet Clinic

Beef: 1

##### Howick, Howick Veterinary Clinic

Beef: 3, Dairy: 3

##### Underberg, Underberg Veterinary Surgery

Beef: 2

#### Western Cape

##### Malmesbury, Invitrotech

Dairy: 2

Two cows

### Stillbirths

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

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

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

#### Free State

##### Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

#### Kwazulu-Natal

##### Bergville, Bergville Veterinary Clinic

Beef: 2

##### Howick, Howick Veterinary Clinic

Beef: 2, Dairy: 2

#### Eastern Cape

##### Steynsburg, Steynsburg Dierehospitaal

Beef: 3, Sheep: 3

### Abscesses

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>	1.5 (4)	2.0 (1)	1.5 (2)	3.0 (2)	2.3 (4)	3.0 (4)	3.0 (2)	1.8 (4)	3.0 (1)

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

<b>Beef</b>	1.3 (3)		2.0 (1)	3.0 (1)	2.0 (3)	3.0 (2)			
<b>Dairy</b>						3.0 (1)		2.0 (1)	
<b>Sheep</b>	2.0 (1)	2.0 (1)		3.0 (1)	3.0 (1)	3.0 (1)	3.0 (1)		3.0 (1)
<b>Goat</b>			1.0 (1)				3.0 (1)	1.7 (3)	

#### Mpumalanga

##### Balfour, Balfour Dierekliniek

Beef: 1

##### Lydenburg, Longtom Dierekliniek

Beef: 2, Sheep: 2

##### Nelspruit, Nelspruit Animal Hospital

Beef: 1

#### Gauteng

##### Pretoria, Anima Veterinary Consulting Rooms

Sheep: 2

*Corynebacterium*

#### Limpopo

##### Bela Bela, Artemis Veterinary Services

Goat: 1

Boer goat, abscess in neck area. Drained, recovered.

**Makhado, Blouberg Dierekliniek**

Beef: 2

Six cases Actinomyces

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

Beef: 3, Sheep: 3

**Free State****Hoopstad, Hoopstad Dierekliniek**

Beef: 3, Sheep: 3

**Wesselsbron, Wesselsbron Dierekliniek**

Beef: 1

**Winburg, Winburg Dierekliniek**

Beef: 2

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

Beef: 3, Dairy: 3

**Underberg, Underberg Veterinary Surgery**

Beef: 3, Sheep: 3

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

Sheep: 3, Goat: 3

**Western Cape****Caledon, Overberg Veterinary Hospital**

Goat: 2

**Darling, Tygerberg Dierehospitaal Darling**

Dairy: 2

**Oudtshoorn, Oudtshoorn Dierekliniek**

Goat: 2

*Corynebacterium***Stellenbosch, Stellenbosch Animal Hospital**

Goat: 1

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

Sheep: 3

*Corynebacterium***Abscesses in general**

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

<b>Average</b>	2.5 (2)	3.0 (3)	1.0 (1)		2.4 (5)	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

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

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

Beef: 2, Sheep: 3

### Gauteng

#### Hammanskraal, Themba Animal Clinic

Beef: 3, Sheep: 3, Goat: 3

### Limpopo

#### Mokopane, Bundu Veterinary Services

Beef: 1

### Free State

#### Bultfontein, Greylingrust Dieresprekkamer

Sheep: 2

#### Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

#### Kroonstad, Kroonstad Dierehospitaal

Beef: 2

#### Winburg, Winburg Dierekliniek

Beef: 2

### Kwazulu-Natal

#### Dundee, Endumeni Herd health

Beef: 2

#### Mtubatuba, Mtubatuba Animal Clinic

Beef: 2, Goat: 1

### Eastern Cape

#### Humansdorp, Humansdorp Veterinary Clinic

Beef: 1

#### Steynsburg, Steynsburg Dierehospitaal

Sheep: 3

## Blindness ^

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

<b>Average</b>	2.0 (3)				2.2 (5)	1.0 (1)			
----------------	---------	--	--	--	---------	---------	--	--	--

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

<b>Beef</b>	2.0 (1)				2.5 (2)	1.0 (1)			
<b>Sheep</b>	3.0 (1)				2.0 (3)				
<b>Goat</b>	1.0 (1)								

### Mpumalanga

#### Lydenburg, Longtom Dierekliniek

Beef: 2, Sheep: 3

#### Nelspruit, Nelspruit Animal Hospital

Goat: 1

### Free State

#### Ladybrand, Ladybrand Dierekliniek

Sheep: 3

#### Senekal, Senekal Dierekliniek

Beef: 2, Sheep: 2

#### Wesselsbron, Wesselsbron Dierekliniek



Sheep: 1

**Winburg, Winburg Dierekliniek**

Beef: 3

**Kwazulu-Natal**

**Howick, Howick Veterinary Clinic**

Beef: 1

## Bloat

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

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

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

**Mpumalanga**

**Grootvlei, Grootvlei Dierekliniek**

Beef: 1

**Lydenburg, Longtom Dierekliniek**

Beef: 2

**Gauteng**

**Hammanskraal, Themba Animal Clinic**

Goat: 2

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

Goat: 1

**Free State**

**Winburg, Winburg Dierekliniek**

Beef: 2

**Kwazulu-Natal**

**Howick, Howick Veterinary Clinic**

Beef: 2, Dairy: 2

**Pietermaritzburg, Veterinary House Hospital**

Beef: 3

**Western Cape**

**Stellenbosch, Stellenbosch Animal Hospital**

Beef: 1, Dairy: 1

## Blue udder

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

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

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

### **Mpumalanga**

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

Sheep: 2

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

Sheep: 1

October

### **North West**

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

Goat: 1

### **Free State**

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

Sheep: 3

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

Sheep: 2

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

Sheep: 2

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

Sheep: 1

### **Eastern Cape**

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

Sheep: 1

#### **Steynsburg, Steynsburg Dierehospitaal**

Sheep: 3

### **Western Cape**

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

Sheep: 2

#### **Caledon, Caledon Dierekliniek**

Sheep: 1

#### **Caledon, Overberg Veterinary Hospital**

Goat: 2

#### **Ceres, Ceres Veterinary Hospital**

Sheep: 3

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

Sheep: 2

### **Northern Cape**

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

Goat: 1

E. coli

## **Diarrhoea**

<b>PROVINCE</b>	<b>Mpumalanga</b>	<b>Gauteng</b>	<b>Limpopo</b>	<b>North West</b>	<b>Free State</b>	<b>Kwazulu-Natal</b>	<b>Eastern Cape</b>	<b>Western Cape</b>	<b>Northern Cape</b>
<b>Average</b>	2.4 (7)	3.0 (2)	2.0 (1)	2.6 (9)	2.5 (17)	2.4 (11)	1.0 (2)		

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

<b>Beef</b>	2.4 (5)	3.0 (1)	2.0 (1)	2.5 (6)	2.6 (8)	2.3 (7)	1.0 (2)
<b>Dairy</b>					2.3 (3)	3.0 (1)	
<b>Sheep</b>	2.5 (2)	3.0 (1)		2.7 (3)	2.3 (6)	2.5 (2)	
<b>Goat</b>						2.0 (1)	

### **Mpumalanga**

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

Beef: 2, Sheep: 2

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

Beef: 2

#### **Hendrina, Mooiplaas Veterinêre Dienste**

Beef: 3

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

Beef: 3

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

Beef: 2

#### **Volkswest, Cape Cross Volkswest Dierehospitaal**

Sheep: 3

### **Gauteng**

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

Beef: 3, Sheep: 3

### **Limpopo**

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

Beef: 2

### **North West**

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

Beef: 3, Sheep: 3

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

Beef: 2, Sheep: 2

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

Beef: 3

Calves

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

Beef: 1

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

Beef: 3

Severe occurrence in calves. White diarrhoea

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

Beef: 3, Sheep: 3

### **Free State**

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

Beef: 3

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

Beef: 2, Dairy: 2, Sheep: 2

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

Beef: 3, Sheep: 3

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

Beef: 2, Sheep: 3

**Reitz, Riemland Dierehospitaal**

Beef: 3, Dairy: 3, Sheep: 2

**Senekal, Senekal Dierekliniek**

Beef: 2, Dairy: 2, Sheep: 2

**Viljoenskroon, Viljoenskroon Dierekliniek**

Beef: 3

**Villiers, Wilgepoort Dierekliniek Vennootskap**

Sheep: 2

**Winburg, Winburg Dierekliniek**

Beef: 3

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

Beef: 2

**Bergville, Tugela Vet Clinic**

Beef: 2, Sheep: 2, Goat: 2

**Camperdown, Camperdown Vet Clinic**

Beef: 1

**Howick, Howick Veterinary Clinic**

Beef: 3, Dairy: 3

**Pietermaritzburg, Veterinary House Hospital**

Beef: 2

**Underberg, Underberg Veterinary Surgery**

Beef: 3, Sheep: 3

**Vryheid, Vryheid Privaat Veeartse**

Beef: 3

**Eastern Cape****Humansdorp, Humansdorp Veterinary Clinic**

Beef: 1

**Uitenhage, Uitenhage Dierehospitaal**

Beef: 1

**Epididymitis**

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

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

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

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

Sheep: 2

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

Sheep: 2

**Free State****Senekal, Senekal Dierekliniek**

Sheep: 1

## Eye Cancer

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

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

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

### Mpumalanga

#### Lydenburg, Longtom Dierekliniek

Sheep: 1

### Free State

#### Kroonstad, Kroonstad Dierehospitaal

Beef: 2

#### Winburg, Winburg Dierekliniek

Beef: 2

### Western Cape

#### Plettenberg Bay, Plettenberg Bay A Reitz

Beef: 1

One Friesian cow with squamous cell carcinoma

## Eye infections

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>	2.6 (7)	2.0 (1)		2.9 (9)	2.5 (14)	2.1 (13)	2.5 (4)	1.8 (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

<b>Beef</b>	2.6 (5)			3.0 (5)	2.5 (8)	2.2 (9)	2.0 (2)	1.7 (3)	2.0 (1)
<b>Dairy</b>						3.0 (1)		3.0 (1)	
<b>Sheep</b>	2.5 (2)	2.0 (1)		3.0 (3)	2.5 (6)	1.0 (1)	3.0 (1)	1.0 (1)	
<b>Goat</b>				2.0 (1)		1.5 (2)	3.0 (1)		

### Mpumalanga

#### Balfour, Balfour Dierekliniek

Beef: 2, Sheep: 2

#### Hendrina, Mooiplaas Veterinêre Dienste

Beef: 3

#### Lydenburg, Longtom Dierekliniek

Beef: 3, Sheep: 3

#### Lydenburg, Lydenburg Dieresprekkamer

Beef: 2

**Middelburg , Middelburg Dierehospitaal**

Beef: 3

**Gauteng**

**Pretoria, Anima Veterinary Consulting Rooms**

Sheep: 2

**North West**

**Brits, Brits Dierekliniek**

Goat: 2

**Christiana, Christiana Dierehospitaal**

Beef: 3, Sheep: 3

**Klerksdorp, Klerksdorp Dierehospitaal**

Beef: 3, Sheep: 3

**Leeudoringstad, Leeudoringstad Dierekliniek**

Beef: 3

**Stella, Stella Dierekliniek**

Beef: 3

**Ventersdorp, Ventersdorp Dierekliniek**

Beef: 3, Sheep: 3

**Free State**

**Bethlehem, Bethlehem Animal Hospital**

Beef: 3

Severe infestations

Sheep: 3

Severe infestations

**Clocolan, Clocolan Dierekliniek**

Beef: 2, Sheep: 2

**Kroonstad, Kroonstad Dierehospitaal**

Beef: 3

**Ladybrand, Ladybrand Dierekliniek**

Beef: 2, Sheep: 3

**Reitz, Riemland Dierehospitaal**

Beef: 2, Sheep: 2

**Viljoenskroon, Viljoenskroon Dierekliniek**

Beef: 3, Sheep: 3

**Wesselsbron, Wesselsbron Dierekliniek**

Beef: 2, Sheep: 2

**Winburg, Winburg Dierekliniek**

Beef: 3

**Kwazulu-Natal**

**Bergville, Bergville Veterinary Clinic**

Beef: 3

**Bergville, Tugela Vet Clinic**

Beef: 1, Sheep: 1

**Howick, Howick Veterinary Clinic**

Beef: 3, Dairy: 3

**Mtubatuba, Mtubatuba Animal Clinic**

Beef: 1, Goat: 2

**Newcastle, Ncanduvet Newcastle**

Beef: 3

**Pietermaritzburg, Veterinary House Hospital**

Beef: 3

**Pongola, Pongola Animal Clinic**

Beef: 1, Goat: 1

**Underberg, Underberg Veterinary Surgery**

Beef: 3

**Vryheid, Vryheid Privaat Veeartse**

Beef: 2

**Eastern Cape**

**Steynsburg, Steynsburg Dierehospitaal**

Beef: 3, Sheep: 3, Goat: 3

**Uitenhage, Uitenhage Dierehospitaal**

Beef: 1

**Western Cape**

**Caledon, Overberg Veterinary Hospital**

Beef: 2

**Darling, Tygerberg Dierehospitaal Darling**

Dairy: 3

**George, George Animal Hospital**

Beef: 2

**Stellenbosch, Stellenbosch Animal Hospital**

Beef: 1, Sheep: 1

Moraxella catarrhalis isolated

**Northern Cape**

**Kathu, Kathu Direkliniek**

Beef: 2

**Joint Ill**

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

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

<b>Beef</b>	1.5 (2)	2.0 (1)	1.0 (1)	2.0 (1)	1.3 (3)				
<b>Sheep</b>				2.0 (1)	2.0 (1)		2.0 (1)		
<b>Goat</b>			1.0 (1)				2.0 (1)		

**Mpumalanga**

**Balfour, Balfour Direkliniek**

Beef: 1

**Lydenburg, Longtom Direkliniek**

Beef: 2

**Gauteng**

**Hammanskraal, Themba Animal Clinic**

Beef: 2

**Limpopo**

**Mokopane, Bundu Veterinary Services**

Beef: 1, Goat: 1

**North West**

**Klerksdorp, Klerksdorp Dierehospitaal**

Beef: 2, Sheep: 2

**Free State**

**Bultfontein, Greylingrust Dieresprekkamer**

Sheep: 2

**Kroonstad, Kroonstad Dierehospitaal**

Beef: 1

**Wesselsbron, Wesselsbron Dierekliniek**

Beef: 1

**Winburg, Winburg Dierekliniek**

Beef: 2

**Eastern Cape**

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

Sheep: 2, Goat: 2

**Lameness/ Foot Problems**

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>	2.0 (5)	2.3 (7)	2.0 (1)	3.0 (1)	2.5 (11)	2.2 (6)	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

<b>Beef</b>	2.0 (2)	2.3 (3)	2.0 (1)	3.0 (1)	2.6 (5)	2.3 (4)			
<b>Dairy</b>					2.0 (2)	3.0 (1)		2.5 (2)	
<b>Sheep</b>	2.0 (3)	2.0 (3)			2.8 (4)	1.0 (1)	2.0 (1)		
<b>Goat</b>		3.0 (1)					2.0 (1)		

**Mpumalanga**

**Balfour, Balfour Dierekliniek**

Beef: 2, Sheep: 2

**Bethal, Bethal Dierekliniek**

Sheep: 2

**Lydenburg, Longtom Dierekliniek**

Beef: 2, Sheep: 2

**Gauteng**

**Hammanskraal, Themba Animal Clinic**

Beef: 2, Sheep: 2, Goat: 3

**Magaliesburg, Magaliesburg; Dr Ryan Jeffrey**

Beef: 2

Foot rot

**Pretoria, Anima Veterinary Consulting Rooms**

Beef: 3, Sheep: 3

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

Sheep: 1

**Limpopo**

**Makhado, Blouberg Dierekliniek**

Beef: 2

Foot rot and foot abscesses - 6 cases

**North West**

**Christiana, Christiana Dierehospitaal**

Beef: 3



## Free State

### Bethlehem, Bethlehem Animal Hospital

Sheep: 3

Foot rot

### Bultfontein, Greylingrust Diersprekkamer

Beef: 2

### Kroonstad, Kroonstad Dierehospitaal

Beef: 2

### Philippolis, Rowelsfontein veearts Spreekkamer

Sheep: 2

### Reitz, Riemland Dierehospitaal

Beef: 3, Dairy: 3, Sheep: 3

### Senekal, Senekal Dierekliniek

Dairy: 1

### Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 3, Sheep: 3

### Winburg, Winburg Dierekliniek

Beef: 3

## Kwazulu-Natal

### Bergville, Tugela Vet Clinic

Beef: 1, Sheep: 1

### Howick, Howick Veterinary Clinic

Beef: 3, Dairy: 3

### Newcastle, Ncanduvet Newcastle

Beef: 2

### Underberg, Underberg Veterinary Surgery

Beef: 3

## Eastern Cape

### Graaff-Reinet, Graaff Reinet Veterinary Clinic

Sheep: 2, Goat: 2

## Western Cape

### George, George Animal Hospital

Dairy: 3

### Malmesbury, Invitrotech

Dairy: 2

Five cows

Lung infection									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>	1.8 (5)	2.0 (2)	3.0 (1)	2.7 (6)	2.4 (9)	2.3 (6)	1.4 (5)	2.3 (6)	1.0 (1)
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
<b>Beef</b>	1.8 (4)	2.0 (1)		2.7 (3)	2.7 (3)	2.3 (3)	1.0 (2)	3.0 (1)	
<b>Dairy</b>						3.0 (1)		2.0 (3)	
<b>Sheep</b>	2.0 (1)	2.0 (1)		2.7 (3)	2.3 (6)	2.0 (1)	2.0 (2)	2.5 (2)	1.0 (1)
<b>Goat</b>			3.0 (1)			2.0 (1)	1.0 (1)		

## **Mpumalanga**

### **Balfour, Balfour Dierekliniek**

Beef: 2

### **Bethal, Bethal Dierekliniek**

Beef: 1

### **Grootvlei, Grootvlei Dierekliniek**

Beef: 2

### **Hendrina, Mooiplaas Veterinêre Dienste**

Beef: 2

Five cases

### **Lydenburg, Longtom Dierekliniek**

Sheep: 2

## **Gauteng**

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

Beef: 2

Viral pneumonia

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

Sheep: 2

## **Limpopo**

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

Goat: 3

## **North West**

### **Christiana, Christiana Dierehospitaal**

Beef: 3, Sheep: 3

### **Klerksdorp, Klerksdorp Dierehospitaal**

Beef: 2, Sheep: 2

### **Leeudoringstad, Leeudoringstad Dierekliniek**

Beef: 3

Dust, calves

Sheep: 3

Dust, lambs

## **Free State**

### **Bultfontein, Greylingrust Diersprekkamer**

Sheep: 3

Bontlong

### **Hoopstad, Hoopstad Dierekliniek**

Beef: 3, Sheep: 3

### **Philippolis, Rowelsfontein veearts Spreekkamer**

Sheep: 3

### **Senekal, Senekal Dierekliniek**

Sheep: 2

### **Viljoenskroon, Viljoenskroon Dierekliniek**

Beef: 2, Sheep: 2

### **Wesselsbron, Wesselsbron Dierekliniek**

Sheep: 1

### **Winburg, Winburg Dierekliniek**

Beef: 3

## **Kwazulu-Natal**

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

Beef: 2

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

Beef: 2, Sheep: 2, Goat: 2

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

Dairy: 3

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

Beef: 3

**Eastern Cape**

**Graaff-Reinet, Camdeboo Veterinary Clinic**

Sheep: 1, Goat: 1

**Humansdorp, Humansdorp Veterinary Clinic**

Beef: 1

**Steynsburg, Steynsburg Dierehospitaal**

Sheep: 3

**Uitenhage, Uitenhage Dierehospitaal**

Beef: 1

**Western Cape**

**Beaufort West, Beaufort Dierkliniek**

Sheep: 3

**Beaufort West, Beaufort West State Vet**

Sheep: 2

Drought, intensification. Mostly Pasteurella

**Caledon, Caledon Dierkliniek**

Dairy: 2

**Darling, Tygerberg Dierehospitaal Darling**

Dairy: 2

**Heidelberg (WC), Heidelberg Dierkliniek**

Dairy: 2

**Oudtshoorn, Ostrimed**

Beef: 3

**Northern Cape**

**Kimberley, Kimberley Dierkliniek**

Sheep: 1

**Mastitis in general**

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>	2.0 (3)	2.0 (1)		2.0 (1)	2.0 (3)	2.3 (4)	1.0 (1)	2.2 (5)	

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

<b>Beef</b>	2.0 (2)	2.0 (1)		2.0 (1)	2.0 (1)	2.7 (3)			
<b>Dairy</b>	2.0 (1)				2.0 (1)		1.0 (1)	2.2 (5)	
<b>Sheep</b>					2.0 (1)				
<b>Goat</b>						1.0 (1)			

**Mpumalanga**

**Balfour, Balfour Dierkliniek**

Beef: 2

**Lydenburg, Longtom Dierkliniek**

Beef: 2, Dairy: 2

**Gauteng**

**Hammanskraal, Themba Animal Clinic**

Beef: 2

**North West**

**Christiana, Christiana Dierehospitaal**

Beef: 2

**Free State**

**Kroonstad, Kroonstad Dierehospitaal**

Sheep: 2

**Senekal, Senekal Dierekliniek**

Dairy: 2

**Winburg, Winburg Dierekliniek**

Beef: 2

**Kwazulu-Natal**

**Bergville, Tugela Vet Clinic**

Beef: 3

**Camperdown, Camperdown Vet Clinic**

Goat: 1

**Pongola, Pongola Animal Clinic**

Beef: 2

**Underberg, Underberg Veterinary Surgery**

Beef: 3

**Eastern Cape**

**Humansdorp, Humansdorp Veterinary Clinic**

Dairy: 1

**Western Cape**

**Caledon, Caledon Dierekliniek**

Dairy: 3

**Darling, Tygerberg Dierehospitaal Darling**

Dairy: 2

**George, George Animal Hospital**

Dairy: 3

**Heidelberg (WC), Heidelberg Dierekliniek**

Dairy: 1

**Malmesbury, Invitrotech**

Dairy: 2

4 cows culled due to poor udder confirmation

**Navel Ill**

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

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

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

**Mpumalanga**

**Balfour, Balfour Dierekliniek**

Beef: 1

**Lydenburg, Longtom Dierekliniek**

Beef: 2

**Gauteng**

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

Beef: 1

Umbilical hernia

**North West**

**Christiana, Christiana Dierehospitaal**

Beef: 2

**Free State**

**Winburg, Winburg Dierekliniek**

Beef: 2

**Kwazulu-Natal**

**Bergville, Tugela Vet Clinic**

Beef: 1

**Western Cape**

**Darling, Tygerberg Dierehospitaal Darling**

Dairy: 2

**Trauma**

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>	1.7 (3)				2.0 (1)	2.0 (1)		2.0 (1)	2.0 (1)

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

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

**Mpumalanga**

**Balfour, Balfour Dierekliniek**

Beef: 1

**Lydenburg, Longtom Dierekliniek**

Beef: 2, Sheep: 2

**Free State**

**Winburg, Winburg Dierekliniek**

Beef: 2

**Kwazulu-Natal**

**Howick, Howick Veterinary Clinic**

Dairy: 2

**Western Cape**

**Malmesbury, Invitrotech**

Dairy: 2

Two cows slipped; 4 cows with trauma; one fractured hip

**Northern Cape**

**Kimberley, Kimberley Dierekliniek**

Beef: 2

Bruising at abattoir

**Downer**

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

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

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

#### Mpumalanga

##### Grootvlei, Grootvlei Dierekliniek

Beef: 1

#### Gauteng

##### Hammanskraal, Themba Animal Clinic

Beef: 2

#### Limpopo

##### Mokopane, Bundu Veterinary Services

Beef: 1

#### Free State

##### Bultfontein, Greylingrust Dieresprekkamer

Beef: 2, Sheep: 3

##### Dewetsdorp, Platkop Dierekliniek

Beef: 2

#### Eastern Cape

##### Graaff-Reinet, Camdeboo Veterinary Clinic

Beef: 1

#### Western Cape

##### Malmesbury, Invitrotech

Dairy: 3

25 cows

#### Northern Cape

##### Postmasburg, Postmasburg Dierekliniek

Beef: 3

#### Other

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

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

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

#### Limpopo

##### Modimolle, Kranskop Dierekliniek

Beef: 1

Rectal prolaps

**Western Cape**

**Malmesbury, Invitrotech**

Dairy: 3

25 cows culled due to poor NFI (net feed intake); 60 cows culled due to poor production figures; one cow with hernia

**Northern Cape**

**Kimberley, Kimberley Dierkliniek**

Beef: 1

Icterus

**Vestubular syndrome (Middle ear infection)**

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

**Mpumalanga**

**Lydenburg, Longtom Dierkliniek**

Beef: 1

**Metabolic Diseases**

**Acidosis**

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>			2.0 (2)		1.8 (5)	3.0 (1)	2.0 (2)	2.5 (4)	

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

<b>Beef</b>			1.0 (1)		2.0 (1)	3.0 (1)			
<b>Dairy</b>							3.0 (1)		
<b>Sheep</b>					1.8 (4)			2.5 (4)	
<b>Goat</b>			3.0 (1)				1.0 (1)		

**Limpopo**

**Mokopane, Bundu Veterinary Services**

Beef: 1, Goat: 3

**Free State**

**Clocolan, Clocolan Dierkliniek**

Sheep: 2

**Philippolis, Rowelsfontein vearts Spreekkamer**

Sheep: 2

**Wesselsbron, Wesselsbron Dierekliniek**

Sheep: 1

**Winburg, Winburg Dierekliniek**

Beef: 2, Sheep: 2

**Kwazulu-Natal**

**Pietermaritzburg, Veterinary House Hospital**

Beef: 3

**Eastern Cape**

**Alexandria, Riverview Trading Vet Consulting Services**

Dairy: 3

**Graaff-Reinet, Camdeboo Veterinary Clinic**

Goat: 1

**Western Cape**

**Beaufort West, Beaufort Dierekliniek**

Sheep: 3

**Beaufort West, Beaufort West State Vet**

Sheep: 2

drought feed, no adaptation

**Caledon, Overberg Veterinary Hospital**

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
<b>Average</b>		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

<b>Dairy</b>		1.0 (1)				3.0 (1)			
--------------	--	---------	--	--	--	---------	--	--	--

**Gauteng**

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

Dairy: 1

**Kwazulu-Natal**

**Underberg, Underberg Veterinary Surgery**

Dairy: 3

One farm, very little food, roughage available

**Ketosis**

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

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

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



**Goat** 1.0 (1)

**Mpumalanga**

**Nelspruit, Nelspruit Animal Hospital**

Goat: 1

**Eastern Cape**

**Alexandria, Riverview Trading Vet Consulting Services**

Dairy: 3

**Western Cape**

**Caledon, Caledon Dierekliniek**

Sheep: 1

**Milk Fever** [^](#)

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

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

<b>Beef</b>					1.0 (1)				1.0 (1)
<b>Dairy</b>								1.7 (3)	

**Free State**

**Bultfontein, Greylingrust Dieresprekkamer**

Beef: 1

**Western Cape**

**George, George Animal Hospital**

Dairy: 2

**Stellenbosch, Stellenbosch Animal Hospital**

Dairy: 1

**Swellendam, Swellendam Dierehospitaal**

Dairy: 2

**Northern Cape**

**Postmasburg, Postmasburg Dierekliniek**

Beef: 1

**Reproductive diseases**

**Dystocia (Difficult Births)** [^](#)

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>	1.8 (8)	1.5 (4)	3.0 (1)	2.3 (6)	2.3 (12)	2.1 (7)	1.8 (4)	1.3 (4)	2.0 (1)

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

<b>Beef</b>	1.9 (7)	2.0 (2)	3.0 (1)	2.3 (6)	2.3 (11)	2.0 (6)	1.8 (4)	1.0 (2)	2.0 (1)
<b>Dairy</b>								1.5 (2)	
<b>Sheep</b>	1.0 (1)				3.0 (1)	3.0 (1)			
<b>Goat</b>		1.0 (2)							

### **Mpumalanga**

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

Beef: 1, Sheep: 1

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

Beef: 2

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

Beef: 2

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

Beef: 2

#### **Middelburg, Middelburg Dierehospitaal**

Beef: 2

#### **Middelburg, Neil Fourie Veeartsenydienste**

Beef: 2

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

Beef: 2

October 6; November 5

### **Gauteng**

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

Beef: 2, Goat: 1

#### **Hamanskraal, Themba Animal Clinic**

Beef: 2

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

Goat: 1

### **Limpopo**

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

Beef: 3

### **North West**

#### **Bloemhof, Bloemhof Dierekliniek**

Beef: 3

Possibly related to green pastures in late pregnancy

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

Beef: 3

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

Beef: 2

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

Beef: 2

#### **Schweizer-Reneke, Buffeldoorn Dierekliniek SR**

Beef: 2

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

Beef: 2

### **Free State**

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

Beef: 1

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

Beef: 2

#### **Dewetsdorp, Platkop Dierekliniek**

Beef: 2

**Frankfort, Frankfort Dierekliniek**

Beef: 2

**Hoopstad, Hoopstad Dierekliniek**

Beef: 3, Sheep: 3

**Kroonstad, Kroonstad Dierehospitaal**

Beef: 3

**Reitz, Riemland Dierehospitaal**

Beef: 3

**Senekal, Senekal Dierekliniek**

Beef: 2

**Viljoenskroon, Viljoenskroon Dierekliniek**

Beef: 2

**Wesselsbron, Wesselsbron Dierekliniek**

Beef: 2

**Winburg, Winburg Dierekliniek**

Beef: 3

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

Beef: 2

**Bergville, Tugela Vet Clinic**

Beef: 1

**Mtubatuba, Mtubatuba Animal Clinic**

Beef: 2

**Newcastle, Ncanduvet Newcastle**

Beef: 3, Sheep: 3

**Pietermaritzburg, Veterinary House Hospital**

Beef: 2

**Underberg, Underberg Veterinary Surgery**

Beef: 2

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

Beef: 2

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

Beef: 1

**Steynsburg, Steynsburg Dierehospitaal**

Beef: 3

**Uitenhage, Uitenhage Dierehospitaal**

Beef: 1

**Western Cape****Caledon, Overberg Veterinary Hospital**

Beef: 1

**George, George Animal Hospital**

Dairy: 1

**Stellenbosch, Stellenbosch Animal Hospital**

Beef: 1

**Swellendam, Swellendam Dierehospitaal**

Dairy: 2

**Northern Cape****Postmasburg, Postmasburg Dierekliniek**

Beef: 2

**Endometritis**

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

<b>Average</b>					2.0 (1)				2.5 (2)
----------------	--	--	--	--	------------	--	--	--	---------

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

<b>Dairy</b>					2.0 (1)				2.5 (2)
--------------	--	--	--	--	------------	--	--	--	---------

**Free State**

**Senekal, Senekal Dierekliniek**

Dairy: 2

**Western Cape**

**Caledon, Caledon Dierekliniek**

Dairy: 3

**Heidelberg (WC), Heidelberg Dierekliniek**

Dairy: 2

**Metritis**

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>	1.0 (2)			3.0 (1)	2.0 (1)	3.0 (1)	3.0 (1)	3.0 (4)	

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

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

**Mpumalanga**

**Balfour, Balfour Dierekliniek**

Beef: 1

**Middelburg , Middelburg Dierehospitaal**

Beef: 1

**North West**

**Christiana, Christiana Dierehospitaal**

Beef: 3

**Free State**

**Senekal, Senekal Dierekliniek**

Dairy: 2

**Kwazulu-Natal**

**Underberg, Underberg Veterinary Surgery**

Beef: 3

**Eastern Cape**

**Humansdorp, Humansdorp Veterinary Clinic**

Beef: 3

**Western Cape**

**Caledon, Caledon Dierekliniek**

Dairy: 3

**Darling, Tygerberg Dierehospitaal Darling**

Beef: 3, 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
<b>Average</b>				3.0 (1)	3.0 (2)	3.0 (2)	2.8 (4)	2.5 (2)	3.0 (2)

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

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

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

Beef: 3

**Free State****Philippolis, Rowelsfontein veearts Spreekkamer**

Sheep: 3

**Winburg, Winburg Dierekliniek**

Beef: 3

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

Beef: 3, Dairy: 3

Early foetus deaths on scanning, uncharacteristic hot weather and nutritional stress.

**Eastern Cape****Humansdorp, Humansdorp Veterinary Clinic**

Beef: 2

**Steynsburg, Steynsburg Dierehospitaal**

Beef: 3, Dairy: 3, Sheep: 3

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

Dairy: 3

**Malmesbury, Invitrotech**

Dairy: 2

Seven cows culled; two free martins

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

Sheep: 3

Poor conception due to drought conditions

**Kathu, Kathu Dierekliniek**

Beef: 3

**Retained afterbirth**

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

<b>Average</b>	1.0 (1)	1.0 (1)		2.0 (1)	1.7 (3)	2.5 (2)	3.0 (1)	3.0 (1)
----------------	---------	---------	--	---------	---------	---------	---------	---------

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

<b>Beef</b>	1.0 (1)	1.0 (1)		2.0 (1)	1.7 (3)	2.0 (1)	3.0 (1)	
<b>Dairy</b>						3.0 (1)		3.0 (1)

### **Mpumalanga**

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

Beef: 1

### **Gauteng**

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

Beef: 1

### **North West**

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

Beef: 2

### **Free State**

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

Beef: 2

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

Beef: 1

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

Beef: 2

### **Kwazulu-Natal**

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

Beef: 2

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

Dairy: 3

### **Eastern Cape**

#### **Steynsburg, Steynsburg Dierehospitaal**

Beef: 3

### **Western Cape**

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

Dairy: 3

## **Sheath Prolaps**

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

<b>Beef</b>		1.0 (1)				1.0 (3)			
-------------	--	---------	--	--	--	---------	--	--	--

### **Gauteng**

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

Beef: 1

Paraphimosis

### **Kwazulu-Natal**

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

Beef: 1

**Mtubatuba, Mtubatuba Animal Clinic**

Beef: 1

**Pongola, Pongola Animal Clinic**

Beef: 1

Uterus prolaps									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>	1.3 (3)	1.5 (2)	1.0 (1)		2.0 (4)		2.0 (3)	1.0 (2)	2.0 (1)

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

<b>Beef</b>	1.5 (2)	1.5 (2)	1.0 (1)		2.0 (4)		2.0 (2)	1.0 (1)	2.0 (1)
<b>Dairy</b>								1.0 (1)	
<b>Sheep</b>	1.0 (1)						2.0 (1)		

### Mpumalanga

**Lydenburg, Longtom Dierekliniek**

Beef: 1, Sheep: 1

**Volkswest, Cape Cross Volksrust Dierehospitaal**

Beef: 2

October 2; November 2

### Gauteng

**Bronkhorstspuit, Kerkstraat Dierekliniek**

Beef: 1

**Hammanskraal, Themba Animal Clinic**

Beef: 2

### Limpopo

**Mokopane, Bundu Veterinary Services**

Beef: 1

### Free State

**Frankfort, Frankfort Dierekliniek**

Beef: 2

**Reitz, Riemland Dierehospitaal**

Beef: 2

**Senekal, Senekal Dierekliniek**

Beef: 2

**Winburg, Winburg Dierekliniek**

Beef: 2

### Eastern Cape

**Aliwal North, Hertzogbrug Dierekliniek**

Beef: 2

**Steynsburg, Steynsburg Dierehospitaal**

Beef: 2, Sheep: 2

### Western Cape

**Malmesbury, Invitrotech**

Dairy: 1

**Stellenbosch, Stellenbosch Animal Hospital**

Beef: 1

**Northern Cape****Postmasburg, Postmasburg Dierekliniek**

Beef: 2

**Vaginal (Cervical) prolaps**

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>	1.0 (2)	1.0 (2)			1.7 (6)	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

<b>Beef</b>	1.0 (2)	1.0 (2)			2.0 (4)	2.0 (2)	1.0 (1)		
<b>Sheep</b>					1.0 (2)				

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

Beef: 1

**Grootvlei, Grootvlei Dierekliniek**

Beef: 1

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

Beef: 1

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

Beef: 1

**Free State****Bultfontein, Greylingrust Diersprekkamer**

Sheep: 1

**Frankfort, Frankfort Dierekliniek**

Beef: 2

**Reitz, Riemland Dierehospitaal**

Beef: 2

**Senekal, Senekal Dierekliniek**

Beef: 2, Sheep: 1

**Winburg, Winburg Dierekliniek**

Beef: 2

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

Beef: 2

**Mtubatuba, Mtubatuba Animal Clinic**

Beef: 2

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

Beef: 1

**Climatical Cause****Cold exposure**



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

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

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

#### Free State

##### Dewetsdorp, Platkop Dierekliniek

Sheep: 3

November month

#### 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
<b>Average</b>				3.0 (1)	3.0 (5)		2.8 (9)	1.2 (5)	3.0 (7)

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

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

#### North West

##### Stella, Stella Dierekliniek

Beef: 3

#### Free State

##### Bultfontein, Greylingrust Dierespreekkamer

Sheep: 3

##### Gariepdam, Gariep Dierekliniek

Beef: 3

Severe drought, farmers giving up, closing farm gates

Sheep: 3, Goat: 3

##### Philippolis, Rowelsfontein veearts Spreekkamer

Sheep: 3

#### Eastern Cape

##### Graaff-Reinet, Camdeboo Veterinary Clinic

Sheep: 2, Goat: 2

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

Beef: 3

Animals dying!!

Sheep: 3, Goat: 3

**Steynsburg, Steynsburg Dierehospitaal**

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

**Western Cape**

**Beaufort West, Beaufort West State Vet**

Sheep: 2

Many reports of deaths in all species including game

**Heidelberg (WC), Heidelberg Dierekliniek**

Beef: 1, Dairy: 1, Sheep: 1, Goat: 1

**Northern Cape**

**Colesberg, Karoo Veterinary Hospital**

Beef: 3

Lack of food, many deaths

Sheep: 3, Goat: 3

**De Aar, De Aar Veterinary Clinic**

Sheep: 3

**Postmasburg, Postmasburg Dierekliniek**

Beef: 3, Sheep: 3, Goat: 3

**Heat stress**

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

**Mpumalanga**

**Lydenburg, Longtom Dierekliniek**

Sheep: 2

**Kwazulu-Natal**

**Howick, Howick Veterinary Clinic**

Dairy: 3

**Lightning**

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

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

Beef	1.5 (2)	2.0 (2)	2.3 (4)	2.5 (2)
------	---------	---------	---------	---------

### Mpumalanga

#### Lydenburg, Longtom Dierekliniek

Beef: 2

#### Middelburg, Neil Fourie Veeartsenydienste

Beef: 1

### North West

#### Leeudoringstad, Leeudoringstad Dierekliniek

Beef: 2

#### Schweizer-Reneke, Buffeldoorn Dierekliniek SR

Beef: 2

### Free State

#### Memel, Memel Veterinary Clinic

Beef: 2

#### Reitz, Riemland Dierehospitaal

Beef: 2

#### Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2

#### Winburg, Winburg Dierekliniek

Beef: 3

### Kwazulu-Natal

#### Howick, Howick Veterinary Clinic

Beef: 3

#### Newcastle, Ncanduvet Newcastle

Beef: 2

## Frozen to death

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

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

Sheep	3.0 (1)
-------	---------

### Free State

#### Dewetsdorp, Platkop Dierekliniek

Sheep: 3

November month

## Residues

### Drug residues

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

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

**Eastern Cape**

**Graaff-Reinet, Camdeboo Veterinary Clinic**

Goat: 2

Mohair residues

**Non specific diseases**

**Preditors**

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>	2.0 (2)				2.3 (3)		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

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

**Mpumalanga**

**Lydenburg, Longtom Dierkliniek**

Beef: 2, Sheep: 2

**Free State**

**Clocolan, Clocolan Dierkliniek**

Beef: 2, Sheep: 2

**Philippolis, Rowelsfontein veearts Spreekkamer**

Sheep: 3

**Eastern Cape**

**Steynsburg, Steynsburg Dierhospitaal**

Sheep: 3

**Western Cape**

**Stellenbosch, Stellenbosch Animal Hospital**

Sheep: 1

dogs

**Sabotage/Theft**

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>				3.0 (1)	2.8 (9)				

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

<b>Beef</b>	3.0 (1)	2.6 (5)
<b>Sheep</b>		3.0 (4)

### North West

#### Leeudoringstad, Leeudoringstad Dierekliniek

Beef: 3

### Free State

#### Bultfontein, Greylingrust Dieresprekkamer

Sheep: 3

#### Clocolan, Clocolan Dierekliniek

Beef: 3, Sheep: 3

#### Frankfort, Frankfort Dierekliniek

Beef: 3

#### Reitz, Riemland Dierehospitaal

Beef: 2

#### Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2, Sheep: 3

#### Winburg, Winburg Dierekliniek

Beef: 3, Sheep: 3

## Trauma

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

<b>Beef</b>	1.0 (1)
<b>Goat</b>	1.0 (2)

### Gauteng

#### Hammanskraal, Themba Animal Clinic

Beef: 1, Goat: 1

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

Goat: 1

Fractures

## Veld fires

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

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

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

### Eastern Cape

**Steynsburg, Steynsburg Dierehospitaal**

Sheep: 3, Goat: 3

**Traumatic Reticulo-pericarditis**

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

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

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

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

Beef: 1

**Eastern Cape****Humansdorp, Humansdorp Veterinary Clinic**

Beef: 1

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

Dairy: 1