

# 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

**June 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 (119) submitted reports during May 2019:**

## **Mpumalanga (13)**

Balfour – Dr. Lous van Jaarsveld  
Bethal – Dr. Hardus Pieters  
Ermelo – Dr. Ben Potgieter  
Grootvlei – Dr. Neels van Wyk  
Hendrina – Dr. Anja Steinberg  
Karino – Dr. Silke Pfitzer  
Lydenburg – Dr. Marietjie Malan  
Lydenburg – Drs. Trümpelmann and Steyn  
Middelburg – Drs. Erasmus, Fourie and Bernitz  
Nelspruit – Dr. André Beytel  
Piet Retief – Dr. Niebuhr and Wber  
Standerton – Dr. Kobie Kroon  
Volksrust – Dr. Johan Blaauw

## **Gauteng (9)**

Bapsfontein – Drs. Engelbrecht and Olivier  
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, Mokoete, O'Dell, Tshuma and Van der Leek  
Pretoria – Dr. Hanneke Pienaar

University of Pretoria – Dr. Hanneke Pienaar

Vanderbijlpark – Dr. Kobus Kok

### **Limpopo (6)**

Bela-Bela – Dr. Nele Sabbe

Mokopane (Potgietersrust)- Dr. Henk Visser

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

Tzaneen – ZZ2 Farm practice – Dr. Danie Odendaal

Vaalwater – Dr. Hampie van Staden

Vaalwater – Dr. Annemieke Müller

### **North West (10)**

Bloemhof -Dr. Cizelle Naude

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

Klerksdorp/Schweizer-Reneke – Drs. Coetzee and Venter

Leeudoringstad – Dr. Ian Jonker

Lichtenburg – Dr. Nelmarie-Krüger-Rall

Potchefstroom – dr. Martin Ferreira

Stella - Dr. Magdaleen Vosser

Ventersdorp/ Koster –Drs. Benadé and Van der Merwe

### **Free State (21)**

Bloemfontein – Dr. Stephan Wessels

Bultfontein – Dr. Santjie Pieterse

Clocolan – Drs. Wasserman and Basson

Dewetsdorp – Dr. Marike Badenhorst

Excelsior/Ladybrand – Dr. Dedré Nel

Ficksburg – Dr. Woody Kotzé

Frankfort – Drs. Lessing, Cilliers and Janse van Rensburg

Harrismith – Drs. Slabber and Reynolds

Hoopstad – Dr. Kobus Pretorius

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

Memel – Drs. Nixon and Nixon

Parys – Drs. Wessels and Wessels

Philippolis – Dr. Stephan Vermeulen

Reitz - Dr. Murray Smith

Smithfield – Dr. Nienke van Hasselt

Viljoenskroon – Dr. Johan Kahts

Villiers – Dr. D’Wall Hauptfleish

Vrede – Drs. Myburgh and Bester-Cloete

Vrede – Dr. Rudolph Fourie

Wesselsbron – Dr. Johan Jacobs

Zastron – Drs. Troskie and Strauss

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

Bergville- Dr. Ariena Shepherd

Bergville – Dr. Jubie Muller

Camperdown – Dr. Anthony van Tonder

Dundee – Drs. Marais and Fynn

Eshowe, Mtunzini, Mandeni – Dr. Craig Pryke

Kokstad – Drs. Clowes, Shrives and Lees

Mooi River – Drs. Still, Edmunds and Fowler

Mtubatuba – Dr. Trevor Viljoen

Newcastle – Dr. Barry Rafferty

Pietermaritzburg – Drs. Kretzmann

Pongola – Dr. Heinz Kohrs

Underberg - Drs. Collins, King and Delaney

Vryheid – Drs. Theron and Theron

### **Eastern Cape (13)**

Alexandria - Dr. Johan Olivier

Alexandria – Dr. Charlene Boy

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

Kareedouw – Dr. Martin Bootsma

Port Alfred – Drs. Fourie, De Bruyn, Brink, Van Vuuren and Krüger

Steynsburg – Dr. Johan van Rooyen

Stutterhiem – Dr Dave Watermann

Uitenhage – Drs. Mulder and Krüger

Witelsbos – Dr. Elmien Kotze

### **Western Cape (22)**

Beaufort West - Dr. Jaco Pienaar

Beaufort West – Dr. Bennie Grobler

Caledon – Drs. Louw and Viljoen

Ceres – Drs. Pieterse, Wium, De Villiers and Scheepers

Darling – Drs. Van der Merwe, Adam and Senekal

George – Drs. Strydom, Truter and Pettifer

Heidelberg – Dr. Albert van Zyl  
Malmesbury – Dr. Otto Kriek  
Malmesbury – Dr. Andries Lesch  
Malmesbury – Dr. Markus Fourie  
Malmesbury – Drs. Heyns and Zolner  
Moorreesburg – Dr. S. Kotzé  
Oudtshoorn – Dr. Adriaan Olivier  
Oudtshoorn – Dr. Glen Carlisle  
Piketberg – Dr. André van der Merwe  
Plettenberg Bay – Dr. André Reitz  
Riversdale – Drs. Du Plessis, Taylor and De Bruyn  
Stellenbosch – Dr. Alfred Kidd  
Swellendam – Dr. Jacques Malan  
Tulbagh/Ceres – drs. Hamman, Wilson and Triegaardt  
Vredenburg – Dr. Izak Rust  
Worcester – Dr. Kobus Rabé

**Northern Cape (7)**

Calvinia – Dr. Bertus Nel  
Colesberg – Drs. Rous and Rous  
De Aar – Dr. Donald Anderson  
Kathu – Dr. Jan Vorster  
Kimberley- Drs. Van Heerden and Swart  
Postmasburg – Dr. Boeta van der Merwe  
Upington – Drs. Vorster, Fourie and Visser

**Feedlots (1)**

Drs. Morris and Du Preez

**Laboratory reports (4)**

Dr. Marijke Henton - Vetdiagnostix, Johannesburg  
Dr. Liza du Plessis – Idexx SA - Johannesburg  
Dr. Rick Last – Vetdiagnostix, Pietermaritzburg  
Dr. Sophette Gers – Pathcare, Cape Town

## **2020 & beyond: a vision for the SA beef industry**

*Article first appeared in Farmer's Weekly, 15 September 2017*

*If South Africa's beef industry wants to become a serious competitor on the world stage, it must replace exports of 'cheap meat' with higher-value cuts, says livestock genetics consultant, **Dr Michael Bradfield**. He spoke to **Lloyd Phillips** about the way forward for the industry.*



In 2016, South Africa became a net red meat exporter for the first time, supplying mainly the cheap beef market. (FW Archive)

Dr Michael Bradfield. (Lloyd Phillips)



In 2016, world beef production (as opposed to exports) was about 60,5 million tons. The US was the main producer with 11,4 million tons – or nearly 19% of the total. South Africa ranked 13th with 935 000t, or 1,55% of the world total.

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*If South Africa's beef industry wants to become a serious competitor on the world stage, it must replace exports of 'cheap meat' with higher-value cuts, says livestock genetics consultant, **Dr Michael Bradfield**. He spoke to **Lloyd Phillips** about the way forward for the industry.*

In 2016, global red meat exports amounted to 9,44 million tons. Brazil led the way, exporting 1,85 million tons, or 19,6% of the total. South Africa ranked 15th, at 60 000t, or 0,64% of the world total. At the same time, it became a net red meat exporter for the first time.

Currently, however, South Africa supplies mainly the commodity, or cheap beef market, and not the high-end, value-added beef market. This needs to change, says international livestock genetics consultant and CEO of AgriBSA, Dr Michael Bradfield. The recent drought showed how crucial it was for the country's beef industry to stop focusing on exporting only the cheaper cuts. "By exporting higher-value cuts, our industry can protect itself from shocks to farm income caused by droughts and other environmental impacts, local currency depreciation, inflationary impacts on local consumer spending, and any oversupply in local beef leading to price pressures," says Bradfield.

Namibia's beef weaner price, for example, would be 30% lower were it not for exports, while Botswana's beef industry generates 80% of its total income from exporting 20% of its total beef production. Moreover, although South Africa's middle class continues to grow, national demand for beef is stagnant. "This is all the more reason for the SA red meat industry to increase its focus on exporting more of its production," he says.

There is certainly scope for growth. It is estimated that the world's population will reach 10 billion people by 2050, and 70% of these people will be living in urban areas. Many will continue to have more disposable income and rely on beef as a source of protein. However, warns Bradfield, with the current beef price in South Africa, the country will be unable to compete against the likes of Brazil and other top beef exporters.

Research has found that commercial beef producers in the US and Australia need to sell, on average, five to six weaners in order to buy a R55 000 stud bull. Despite the recent local beef price increase of about 30%, South Africa's commercial beef producers have to sell an average of between seven and eight weaners to generate enough income to buy the same bull.

In addition, earlier this year, US farmers achieved their local currency equivalent of an average of R64,05/kg for beef carcasses, those in Australia received R67,26/kg, and those in China received a minimum of R82,50/kg. South Africa's farmers were paid a mere R45,83/kg.

A lower price is a common trend among developing beef-producing countries such as Ethiopia, Sudan, India and Pakistan, notes Bradfield.

## Making it happen

In order to become a significant global player, Bradfield stresses that South Africa's beef industry has to:

- **Adopt a unified approach**

"If South Africa's beef industry wants to become a major exporter, taking a unified approach towards achieving this goal is critical," he says. "A country's industry has a far greater presence on the global stage than its individual producers."

- **Target China**

The main growth in demand for food will be from China and other Asian countries. Asian consumers are increasingly opting for red meat, a status symbol, over their traditional proteins of chicken, fish and pork.

As expendable incomes grow, especially in China, so the demand for higher-value beef products will increase.

"I think South Africa's beef industry should really start targeting China as a market," says Bradfield. "Its beef imports are already worth US\$1,35 billion [R17,6 billion] annually and this is going to grow substantially."

- **Ensure better biosecurity**

To secure export markets for South Africa's higher-value beef cuts, it is critical to ensure that the country's animal health status and product traceability systems are properly implemented and functional.

"While South Africa's red meat industry might think our country has a high national animal health status, and we do, compared with a number of other developing countries, we are not at a level demanded by many beef-importing, developed countries," Bradfield says.

"Brucellosis, foot-and-mouth disease, and a number of other diseases, remain significant threats to our industry and to our potential to grow beef exports to higher-value markets."

An effective red meat traceability system is needed to improve South Africa's credibility in the eyes of the World Organisation for Animal Health (OIE) and beef export markets.

Unfortunately, the country lags behind much of Africa in this regard. For example, the continent's Intergovernmental Authority on Development (comprising Djibouti, Eritrea, Ethiopia, Kenya, Somalia, South Sudan, Sudan and Uganda) already has an umbrella body for livestock traceability.

"The process to implement a traceability system has only just started in South Africa," says Bradfield.

- **Work with government**

Improvements are needed in the working relationship between South Africa's red meat industry and government.

The good news is that, while it is frustrating having to deal with cumbersome bureaucracy, government does want to work with farmers. In turn, the country's red meat industry needs to help government structures expedite aspects that would benefit the sector.

- **Initiate a better meat grading system**

An effective meat grading system is needed for South African beef, one that will complement the existing classification system and ensure that the quality of locally produced beef for both the national and export market is consistent.

“Retailers must understand that the low prices they’re always demanding to pay for beef cannot balance with the best quality they demand at the same time,” explains Bradfield.

“If they want best quality, they and their consumers must be prepared to pay its true value. Beef cannot be compared with the likes of chicken and pork. Beef must be considered a high-value product.”

- **Educate consumers**

South African consumers should be educated about how to identify quality beef.

“This might inspire sufficient confidence in them to encourage them to start consuming more beef again,” says Bradfield. Quality, he adds, “can be defined as a consistently good eating experience in terms of tenderness, juiciness and taste”.

- **Fund growth**

Across the 17 sectors of South African agriculture, a total of R489 million is collected annually via statutory levies at products’ first point of sale. Of these 17 sectors, the South African red meat industry’s statutory levy of 0,09% is the lowest. The average across all 17 sectors is 0,6%, an insignificant figure when compared with the international norm of about 1,5%.

According to Bradfield, research and development will define the future of South Africa’s red meat industry and should be considered a top priority.

Development includes factors such as a sustained marketing programme, the implementation of a traceability system, improving the product, and industry-applied research.

**“If our red meat industry is not prepared to invest in its development, how can it expect to be able to compete in the world arena?”** asks Bradfield.

“The international norm is for about 1,5% of a beef industry’s turnover to go back into research and development.

**“Let’s take ownership of our own beef industry. We can’t say that our government must do the work on our behalf. We must be more proactive and progressive.”**

*\* Adapted from a presentation given at the recent 2017 KwaZulu-Natal Red Meat Producers’ Organisation Congress held at Cedara College of Agriculture.*

## **Summary of disease report for June 2019**

119 Reports from veterinary practices and laboratories were received (Mpumalanga (MP) 13; Gauteng (G) 9; Limpopo (L) 6; Northwest (NW) 10; Free State (FS) 21; KwaZulu-Natal (KZN) 13; Eastern Cape (EC) 13; Western Cape (WC) 22; Northern Cape (NC) 7; Feedlots (FL) 1 and Laboratories (Lab) 4).



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

<b>Disease or condition</b>	<b>Number of provinces reporting</b>
Energy deficiency	9
Protein deficiency	9
Eye infections	9
Dystocia (birth problems)	9
Roundworms	8
Lungs (pneumonia)	8
Poor conception rate	8
African red water	7
Asiatic red water	7
<i>E. coli</i>	7
Orf	7
Calcium deficiency	7
Abscesses	7
Lamenesses/hoof problems	7
Mastitis	7
Acidosis	7
Blue ticks	6
Bont ticks	6
Bovine malignant catthar (BMC) snotsiekte	6
Tulip poisoning	6
Abortions	6

Bloat	6
Diarrhoea	6
Joint ill	6
Metritis	6
Vaginal polaps	6
Liver fluke	5
Coccidiosis	5
Biting lice	5
Sucking lice	5
Heartwater	5
Ephemeral fever	5
Trichomonosis	5
Vibriosis	5
Blackquarter	5
Pulpy kidney	5
Red gut (cattle)	5
Warts	5
Ringworm	5
Selenium deficiency	5
Displaced abomasum	5
Milk fever	5
Retained afterbirth	5
<b>Additional information</b>	

Bovine brucellosis	4
Cryptosporidiosis	4

## **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.

## **Legal Aspects of Brucellosis Control**

### **Introduction**

The main purpose of the Animal Diseases Act, No. 35 of 1984 (“the Act”) is to control important and dangerous animal diseases. The Act and its Regulations have general control measures relevant to all diseases but also have specific control measures for certain diseases, such as brucellosis.

### **Livestock owners must inform certain people of presence of disease**

Section 11 of the Act determines that livestock owners must take reasonable steps to prevent their animals from becoming infected and to prevent the spread of disease. This means that an owner is not allowed to knowingly buy infected animals and bring them into his herd. Where treatment is possible and

available owners are also obliged to treat infected animals. An owner who suspects that his animals are infected with a controlled disease must report it to the local responsible state veterinarian.

The Regulations also stipulates that an owner who becomes aware of the presence of a controlled disease in his livestock must inform the following groups of people:

all his neighbours;

all prospective buyers;

all buyers who had bought animals from him within the preceding 30 days.

This is the case even if the disease has not been confirmed yet but is suspected.

### **Precautionary measures that are legally required**

Table 2 of the Animal Diseases Regulations determines that all heifers between 4 and 8 months of age must be vaccinated once with an effective vaccine for brucellosis (currently the only approved vaccines available are Strain 19 and RB51). Strain 19 may only be used in heifers between 4 and 8 months of age and it may not be repeated. Follow-up vaccinations with RB51 in female animals may be done, but only with the written permission of the responsible state veterinarian. No bulls may be vaccinated, regardless of their age.

Animals may only be tested by a state veterinarian or official or a private veterinarian. It is not compulsory to test all cattle at this stage, but it is highly recommended, and it might become a legal requirement in the future. In specific circumstances the Director of Veterinary Services may compel an owner to test his animals.

### **Requirements for a positive herd**

If there are any animals that test positive, the laboratory must immediately inform the responsible state veterinarian and if the tests were requested by a private veterinarian, he will also be informed of the results. The state veterinarian will then place the farm under quarantine which means that no susceptible or infected animals may be moved from the farm without the permission of the state veterinarian. A quarantine notice will be given which will contain all the requirements that the owner will have to adhere to. The requirements in the quarantine notice may differ depending on the situation.

Every owner also has a duty to isolate infected and contact animals and keep them in isolation as soon as he becomes aware of the presence or suspected presence of brucellosis in his herd. An owner that removes his animals knowing that there are positive animals on his farm, commits an offence in terms of the Act, even if he has not been placed under quarantine by the state veterinarian yet.

All contact animals must also be tested by an official or authorized person. Animals which test negative may be vaccinated for brucellosis with the written permission of the state veterinarian.

Positive cattle must be branded with a "C" mark on the right side of their necks. Such animals may only be slaughtered with the written permission of the state veterinarian and at an approved abattoir. Animals may only be moved to the abattoir under cover of a Red Cross permit and may only be moved to the

specific abattoir indicated on the permit. Under no circumstances may such animals be sold to any other person or at any other place and a person that does that is guilty of an offence in terms of the Act.

An owner must minimize contact with animals in isolation and only allow persons responsible for the care of the animals and officials responsible for implementing the control measures to have access to them.

Milk from cows that are infected or suspected to be infected with brucellosis may not be used for any purpose unless it has been boiled, pasteurized or sterilized.

The owner also has a duty to disinfect the area where the infected animals had been kept with an effective disinfectant and this includes the vehicles on which such animals were transported. Any equipment that has been potentially infected must also be disinfected in the prescribed manner.

Where any control measures have been performed on the animals, the owner must keep the proof thereof. This includes proof of vaccinations. Where the control measures had been done by an official or private veterinarian, the owner should request a certificate which contains the details of such measures. If an owner had performed some of the measures personally, proof can be provided by way of an affidavit accompanied by empty container and proof of purchase where relevant.

### **Role of the State Veterinary Services**

Both National and Provincial Veterinary Services are mandated to implement and enforce the Act. They can compel an owner to have his animals tested if there is a suspicion that they might be infected. Owners who refuse to cooperate or comply with the requirements can be served with an order which compels him to take certain steps within a required period. They also have the power to enter a property or vehicle in order to conduct an inspection. If an owner, or someone acting on behalf of the owner transgress the Act, criminal charges can be made. In special circumstances, officials may even take control over a property in order to control a disease, whilst the costs of the control measures will be for the owner's account. State Veterinary Services will however only do this in extreme circumstances and always attempt to get the owner's cooperation first.

### **Voluntary test programmes**

The Bovine Brucellosis Scheme (R.2483 of 9 Dec 1988) is currently enforced. There is also an interim manual for the control of bovine brucellosis available, which has been compiled by the Department of Agriculture, Forestry and Fisheries. Since the bovine brucellosis control policy is currently under revision, further details will not be discussed here.

### **Conclusion**

It is important to remember that the Act aims at protecting the national herd, as well as humans against serious diseases such as brucellosis. All the control measures have been put in place for the purpose of this aim and not to punish people. Simply by following the principles of disease control and prevention, it should be easy to remain within the framework of the Act.

Compiled by: Dr Trudie Prinsloo Van Der Heever, veterinarian and legal advisor  
([trudie@legalvetservices.co.za](mailto:trudie@legalvetservices.co.za))

Issued by: Brucellosis Steering Committee of the National Animal Health Forum

## **BUYER BEWARE**

# **Wetlike Aspekte van Brusellose Beheer**

### **Inleiding**

Die hoofdoel van die Wet op Diersiektes, No 35 van 1984 ("die Wet") is om belangrike en gevaarlike diersiektes te beheer. Hierdie Wet en die Regulasies daaronder bevat algemene bepalings maar stipuleer ook spesifieke beheermaatreëls vir seker diersiektes soos brucellose.

### **Vee Eienaars moet sekere mense inlig oor siektes**

Artikel 11 van die Wet bepaal dat vee eienaars alle redelike stappe moet neem om siektes en parasiete in hulle diere te voorkom en die verspreiding daarvan te verhoed. Dit beteken dat 'n eienaar nie willens en wetens besmette diere mag aankoop en tussen sy ander vee inbring nie. Eienaars is ook verplig om diere te behandel indien hulle wel besmet word waar behandeling moontlik en toelaatbaar is. Indien 'n vee eienaar vermoed dat sy diere 'n beheerde siekte het, is hy verplig om dit onmiddellik by die verantwoordelike staatsveearts aan te meld.

Die Regulasies bepaal verder dat 'n eienaar die voorkoms van 'n beheerde siekte moet bekend maak aan die volgende groepe mense:

al sy bure;

alle voornemende kopers;

kopers wat die voorafgaande 30 dae diere by hom gekoop het.

Dis belangrik om daarop te let dat dit ook geld selfs al word die siekte slegs nog vermoed.

### **Voorkomende maatreëls wat wetlik vereis word**

Tabel 2 van die Diersiektes Regulasies bepaal dat alle verse tussen die ouderdom van 4 en 8 maande eenmalig ingeënt moet word met 'n effektiewe entstof vir brucellose (tans is die enigste twee entstowwe wat goedgekeur is Stam 19 en RB51). Stam 19 mag slegs in verse tussen 4 en 8 maande oud gebruik word en mag nie herhaal word nie. Opvolginentings met RB51 in vroulike diere is wel toelaatbaar indien die verantwoordelike staatsveearts skriftelik toestemming gee daarvoor. Bulle mag nie ingeënt word nie, ongeag hulle ouderdom.

Diere mag slegs getoets word deur 'n staatsveearts of - beampte of deur 'n privaatveearts. Dit is nie op die oomblik verpligtend dat alle beeste getoets moet word nie, maar dit word aanbeveel en mag moontlik in die toekoms vereis word. In spesifieke gevalle mag die Direkteur van Veeartsenydiensdienste wel 'n eienaar verplig om sy diere te laat toets.

### **Vereistes vir 'n positiewe kudde**

Indien enige diere positief toets moet die laboratorium die verantwoordelike staatsveearts dadelik inlig. As 'n privaatveearts die toetse aangevra het sal die veearts ook ingelig word. Die staatsveearts sal die plaas onder kwarantyn plaas, wat beteken dat geen vatbare of besmette diere sonder toestemming van die staatsveearts van die plaas verwyder mag word nie. Die kwarantyn kennisgewing bevat die vereistes waaraan die eienaar moet voldoen en moet streng nagekom word. Dit mag effens ----- verskil van geval tot geval en hang af van die spesifieke situasie.

Elke eienaar het self ook 'n plig om alle besmette en kontak diere te isoleer en in isolasie te hou sodra hy bewus word van brucellose in sy kudde of selfs net van 'n vermoede daarvan. 'n Eienaar wat sy diere verwyder wetende dat daar positiewe diere is, oortree die Wet selfs al was hy nie onder kwarantyn geplaas nie.

Alle kontakdiere moet ook getoets word deur 'n beampte of gemagtigde persoon. Diere wat negatief toets mag met die skriftelike toestemming van die verantwoordelike staatsveearts geënt word teen brucellose.

Alle positiewe beeste moet gebrandmerk word met 'n "C" op hulle regter nek. Sulke diere mag alleenlik met die skriftelike toestemming van die staatsveearts geslag of verwyder word na 'n goedgekeurde abattoir. Diere kan net na 'n abattoir vervoer word met 'n Rooikruispermit en mag slegs na die spesifieke abattoir, wat op die permit aangedui is, gevat word. Sulke diere mag onder geen omstandighede aan enige ander persoon of op enige ander plek verkoop word of van kant gemaak word nie, en 'n persoon wat dit doen, oortree die Wet en dit is 'n strafbare handeling.

Die eienaar moet toegang tot diere, wat in isolasie aangehou word, beperk. Slegs persone wat verantwoordelik is vir die versorging van die diere en beamptes wat beheermaatreëls moet toepas, mag toegang tot sulke diere hê.

Melk van diere wat met brucellose besmet is (of vermoedelik besmet is) mag glad nie vir enige doel gebruik word nie tensy dit gekook, gepasteuriseer of gesteriliseer is.

Daar is ook 'n verpligting op die eienaar om die plek waar 'n besmette dier aangehou is, en die voertuig waarop so 'n dier vervoer is, te ontsmet met 'n effektiewe ontsmettingsmiddel. Enige toerusting, wat potensieel besmet is, moet ook op die voorgeskrewe manier ontsmet word.

Bewys van enige beheermaatreëls, wat op die diere toegepas is, moet deur die eienaar gehou word. Dit sluit bewys van inentings in. Indien dit deur 'n beampte of veearts gedoen word, moet die eienaar daardie persoon vra vir 'n sertifikaat waarop die besonderhede daarvan aangedui word. Indien dit deur die eienaar self gedoen is, moet hy bewys daarvan lewer deur middel van 'n beëdigde verklaring wat ook vergesel word van die leë houers en bewys van aankoop, waar die beheermaatreël die gebruik van middels insluit.

## **Rol van die Staat**

Dis is Nasionale en Provinsiale Veeartsenydienste se mandaat om die Wet toe te pas. Hulle kan 'n eenaar verplig om sy diere te toets indien daar 'n vermoede is dat die diere besmet mag wees. Waar eenaars met verdagte of positiewe diere nie saamwerk nie, kan beamptes 'n bevelskrif beteken op die eenaar wat hom verplig om sekere stappe binne 'n bepaalde tydperk te neem. Hulle het ook die mag om 'n perseel of voertuig te betree en inspeksies uit te voer. Indien 'n eenaar, of iemand wat namens die eenaar optree, die Wet oortree, kan daar kriminele klagtes gelê word teen die betrokke eenaar en persoon. In uiterse omstandighede mag beamptes selfs beheer oor 'n perseel oorneem om siektebeheer uit te oefen, terwyl die kostes steeds vir die eenaar se rekening sal wees. Die staat poog egter altyd eers om die samewerking van die eenaar te kry en sal hierdie stappe slegs neem in hoogs uitsonderlike gevalle.

## **Vrywillige toetsprogramme**

Die Beesbrucelloseskema (R.2483 of 9 Dec 1988) word tans afdwing. Daar is tans ook 'n Interim handleiding vir brucellosebeheer beskikbaar, wat deur die Departement Landbou, Bosbou en Visserye opgestel is. Aangesien die Beesbrucellose beheerbeleid tans onder hersiening is, sal verdere besonderhede nie hier bespreek word nie.

## **Samevatting**

Dit is belangrik om te onthou dat die bepalings van die Wet daar is om die nasionale kudde te beskerm, maar ook om mense teen ernstige siektes te beskerm. Alle beheermaatreëls is in plek gebring om hierdie doelwitte te bereik en nie om as strafmaatreëls te dien nie. As mens net die beginsels van siektebeheer en siektevoorkoming navolg en alle nodige partye so spoedig moontlik inlig oor die teenwoordigheid van 'n beheerde siekte, behoort dit maklik te wees om binne die raamwerk van die Wet op te tree.

Saamgestel deur: Dr. Trudie Prinsloo Van Der Heever, veearts en regsadviseur  
([trudie@legalvetservices.co.za](mailto:trudie@legalvetservices.co.za))

Uitgereik deur: Brucellosestuurkomitee van die Nasionale Diergesondheidsforum

**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.                   | <b>YES</b> | <b>NO</b> |
| 2. The sheep for sale are clearly identified in the accompanying description.  | <b>YES</b> | <b>NO</b> |
| 3. The sheep for sale were born on my farm.  | <b>YES</b> | <b>NO</b> |
| 4. The farm has a closed flock policy. (No live sheep are brought onto the farm from elsewhere)  | <b>YES</b> | <b>NO</b> |
| 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.                   | <b>YES</b> | <b>NO</b> |
| 6. I have actively looked for Ovine Johne's Disease and have had tests done for this.  | <b>YES</b> | <b>NO</b> |
| 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. | <b>YES</b> | <b>NO</b> |

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

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 (Ovine Johne's Disease, Pest of small stock – PPR, and African Horse Sickness) is available.

This link will continuously be updated.

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

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

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

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

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

## **Landbouweekblad's webpage**

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

[Kundiges](#)

[Vra vir Faffa](#)

[Lees alle antwoorde](#)

[Beeste](#)

[Siektes](#)

[Brusellose](#)

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

Stop Brusellose

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

Rapportering aan bure of ander eienaars oor die voorkoms van brusellose

Inligting oor brusellose op die NAHF se webblad

Kuddebestuur voor die dekseisoen

Bees Brusellose handleiding

Teenliggaamwaardes om beesbrusellose in koeie te bepaal

Veterinêre Strategie 2016 -2026

'n Dosyn dinge wat jy moet weet van beesbrusellose

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

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

Vervoer van diere uit 'n positiewe brusellose kudde

Beheer van brucellose in 'n beeskudde

Boerderypraktyke wat die gevaar van die voorkoms van brucellose verhoog

Pak brucellose by die horings

Brucellose kan jou lewe verwoes

Brucellose in wild

Bestuur van positiewe besmetlike misgeboorte beeste

Aankoop van beeste wat besmetlike misgeboorte het

Antwoorde oor brucellose

Behandeling van besmetlike misgeboorte

Besmetlike misgeboorte uitbreek in 'n kudde

Gevaar van brucellose onderskat

RB51-inenting teen brucellose in dragtige koeie

Alles oor Besmetlike Misgeboorte (BM)

Kompensasie vir BM en TB positiewe beeste?

Nóg vrae oor besmetlike misgeboorte

Koeie positief getoets vir besmetlike misgeboorte

Vrae, antwoorde oor besmetlike misgeboorte

Brucellose: Wat staan ons te doen?

## **Internal parasite control**

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

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

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

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

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

## Quarantine

Immunization programmes

Speak to your veterinarian

Abide the law- vaccinate cattle against anthrax (outbreak in Lesotho) and heifers against brucellosis!

**More than a thousand animals recently died due to organophosphorus poisoning**

**READ LABELS AND MAKE DOUBLE SURE WHEN USING CHEMICALS AND DRUGS!!!!**

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

## Internal parasites

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

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



Tapeworms					X	X			
Liver fluke	X			X	X	X		X	
Conical fluke	X				X	X			
Cysticercosis (measles)						X			
Schistosomiasis (bilharzia)									
Coccidiosis	X				X	X	X	X	
Cryptosporidiosis	X			X	X	X			

Internal parasite outbreaks have been reported from all provinces. Use the five point check to keep on top of what is happening in the flock. 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)

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 good 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				
Heartwater ticks	x	x	x	x		x	x		
Brown ear-ticks	x		x			x			
Bont-legged ticks	x			x	x				
Red-legged ticks	x			x	x		x		
Paralysis ticks					x		x		
Tampans									
Biting lice	x			x	x		x	x	
Sucking lice				x	x		x	x	x
Itch mites									
Sheep scab					x				
Mange mites	x			x	x	x			
Nuisance flies	x				x	x		x	
Midges	x							x	
Mosquitoes					x				
Blowflies	x				x			x	
Screw-worm			x				x		

Gedoeelstia (uitpeuloogsiekte)									
Nasal bot	x				x				

Even in the winter tick infestations were reported from most provinces except Western and Northern Cape . Blue ticks (African and Asiatic blue ticks) are able to transmit red water, anaplasmosis and lumpy skin disease.

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

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

Discuss your tick control programme with your veterinarian. Below is a list of diseases transmitted by ticks.

### Tick borne diseases

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

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

Asiatic red water (7 provinces) is spreading and is one of the deadliest diseases in cattle.

Numerous mortalities were reported!

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

Anaplasmosis outbreaks were reported in 7 provinces.

Tick toxicosis

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

## 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						
Ephemeral fever (Three-day-stiff sickness)	x	x			x	x		x	
Blue tongue					x				
Rift Valley Fever									
Wesselsbron									
Nagana						x			

Insect transmittable diseases will decrease as frost occurs and insect numbers decrease.

## Venerial diseases

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

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

New cases of **trichomonosis** are reported every month and this disease is out of control. **Make sure to buy bulls from farmers where biosecurity measures are in place and bulls are tested for these diseases at regular intervals. Trichomonosis were reported from 5 provinces.**

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

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

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

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

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

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

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

## Bacterial diseases

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

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





PI3								X		
Maedi visna virus										
Rotavirus / Coronavirus										
Enzootic bovine leucosis (EBL)					X	X	X			
Sheep leucosis										
Jaagsiekte										
Orf	X		X	X	X	X		X	X	
Warts	X		X	X	X	X				
Herpes mammillitis										

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

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

**Keep cattle and wildebeest well separated especially when wildebeest are under stress to prevent snotsiekte outbreaks! There is also a sheep associated form of the disease. Reports received from 7 provinces!**

Discuss vaccination programmes and biosecurity measures with your veterinarian.

## Fungal diseases

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

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

## Protozoal diseases

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









Paraquat									
Phosamine									
Aldicarb									
Organophosphate									
Zinc phosphide									
Pyrethroid									
Amitraz									
Levamisole									
Ivermectin									
Moxidectin									
Oxytetracycline									
Tilmicosin									
Bromoxynil nitrate									
Ionophor									
Monensin									
Hypo									
Diazinon									
Glyphosate									
Chicken litter					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 tulip and ink berries (*Cestrum*).

Do have activated charcoal on the farm as the antidote for tulip poisoning! Toxic plants are sometimes eaten by young animals that do not know these plants. Be aware of this situation and know where these plants are growing on the farm.

## Nutritional deficiencies

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

Deficiencies	MP	G	L	NW	FS	KZN	EC	WC	NC
Energy	X	X	X	X	X	X	X	X	X
Protein	X	X	X	X	X	X	X	X	
Phosphate			X		X		X		X
Calcium	X	X		X	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!**

**Winter is here enough roughage?????**

## Livestock production during drought - guidelines

HO de Waal [dewaalho@ufs.ac.za](mailto:dewaalho@ufs.ac.za)

In large parts of the central interior available grazing material is scarce on veld (natural pasture). Prospects for improvement of the poor grazing conditions in the remaining part of summer and winter are not favourable. In addition to current poor grazing conditions, low levels of water in the soil during spring and early summer will also have a negative effect on veld production and livestock. Crops are already affected negatively and therefore crop residues which are usually used as livestock feed will also not be readily available. The current prevailing situation is not good, but can be managed and the following guidelines may help to prevent mortalities and reduce financial losses:

- Ensure that cash flow is maintained judiciously.
- Safeguard the core breeding livestock. Income must be generated again by these females after the drought.
- Where still possible, provide strategic supplementary feeding on veld.

- Reduce the number of livestock that are dependent on feed sources on the farm by selling surplus animal or by temporary removing them from the veld – to a kraal or planted pasture.
- Restrict movement of livestock by confining them to small paddocks with shade trees or other protection from the elements. This provides better control over the quantities of feed provided daily to the animals.
- Ensure that all animals have freely access to clean drinking water.
- Separate the stronger and weaker animals to reduce competition at the feed troughs.
- Prevent thin livestock, especially cattle becoming too emaciated because of poor feeding conditions and lie down.
- Do not feed animals ad lib. over a long period. Ration the feed according to the required production levels, for example survival or maintenance (maintain body mass) or lactation.
- Do not waste feed by throwing it on the ground – use appropriate feed troughs or conveyor belts.
- Provide the rationed feeds every second or third day. Most animals will receive enough feed. It will also reduce competition at the feed troughs.

### **What can be fed?**

The basis for ruminants is roughage, be it on the veld or in the trough. Coarsely ground roughage is always better utilised (less waste) than in the long form. The energy content can be increased with an appropriate source (e.g. ground maize) and balanced with an appropriate crude protein source. The intake of minerals is then balanced according to the requirements of the animals.

- Feed pellets are merely convenient (transport, handling, less waste) but coarsely ground roughage and properly balanced (discussed above) can adequately meet the requirements of animals.
- Restrict the daily intake of salt (NaCl) for sheep to 5-10 g and cattle to 50-60 g.

### **Core herds/flocks**

- Herds/flocks must be grouped according to age and production status. Determine pregnancy in cattle as soon as possible after the current mating season. With sheep and goats, females can be scanned to determine if they carry twins/triplets to adjust their nutrition level.
- In addition to pregnancy, the condition of teeth must also be assessed, especially for older cows and ewes/does. Pregnant cows must still be able to graze until the next calving and specifically be able to wean the unborn calf. Females with worn teeth can still complete their production in a kraal, but this will have a price tag.
- Create an inventory of all available veld and other feed sources. This information is needed to determine the number of animals that can be maintained until after well into the next summer.

- Reduce the number of animals dependent on the feed sources by marketing surplus animals or remove them temporarily from the veld. Note the reproduction record and weaning mass of the progeny of females. In each age class the less productive animals must be culled.
- The principle of “cutting-your-losses” applies and all expenses must be weighed and discounted against expected income over the short to medium term. Caution to sell younger breeding animals at a premium because they are in good condition and pregnant.
- Seek veterinary advice regarding any changes in the internal and external parasite control. General The situation of farmers differ – seek professional advice for assistance with strategic planning. When grazing material on veld is scarce licks will not help – often too much supplementary feeding is provided under such conditions on veld. Determine timely when to remove animals from veld and feed them strategically in small paddocks. Plant material may still be available along roads and can be cut and baled. The cladodes of spineless cactus pears can also be used as a good feed source – whole cladodes for cattle and coarsely chopped for sheep and goats. During droughts we cannot be too choosy about the quality of feed sources which can mean the difference between life and death of livestock. If poor quality roughage such as veld grass hay or crop residues or cactus pear cladodes are available, animal nutritionists can use it as basis to formulate diets to meet the minimum requirements of livestock.

### **The ruminant**

The plant material selected during drought on poor and dry veld contains little crude protein. The digestive system of ruminants and the symbiosis with microbes in the reticulo-rumen offer opportunity to supplement crude protein with a non-protein nitrogen (NPN) source such as feed grade urea. The microbes in the reticulo-rumen break cellulose (fibre) down and produce new nutrients (volatile fatty acids and microbial protein). The complex four compartment “stomach” develop gradually from the suckling phase (basically still monogastric) to that of a physiological mature ruminant. In younger calves and lambs/kids the reticulo-rumen is still in the process of developing. Therefore, it is better to use natural and higher quality protein sources instead of NPN; bypass protein may also be supplied strategically.

### **Supplementary feeding (licks)**

It is important to address some critical questions regarding a supplementary feeding programme:

- What is the aim with the supplementation? Must protein, energy, a combination of protein and energy, or minerals be supplemented? Should animals gain in condition or must dry animals maintain mass (maintenance) or must lactation be supported? Animals in different production phases thus require specific types and quantities of strategic supplementary feeding.

- How can the aim be achieved best? Have the less productive animals been removed to make all grazing available for the remaining livestock? This option is still not used to the best advantage and can make a great contribution to improve the efficacy and also lower the cost of supplementary feeding to the remaining animals.
- Can it be ascertained whether the aim has been reached? Most well-intended programmes to improve animal performance fail in this regard, because the recommended level of supplementation is seldom achieved. Intake of supplementary feeding varies and is affected by feeding space (number of animals/troughs), access to troughs (dominance between animals), level of supplementation and how often the troughs are filled.
- Unless the provision of supplementary feeding is managed, some animals will consume too much while others ingest too little to benefit at all.
- Do not feed animals aimlessly on veld.
- A range of products are available; seek advice from a professional animal nutritionist regarding the options and products to be considered.
- Animals may lose body mass in moderation (10-15%), but then it must take place over a relatively long period and under control of judicious nutrition management.

### **Veld fires**

- Runaway veld fires or accidental fires can change the current precarious drought situation into a real crisis. An area where veld has burnt is practically in a disaster drought situation.
- Make effective fire breaks, especially along roads, around dwellings and ash dumps. Roads are not good fire breaks because the road surface is smooth and embers are easily blown over it by strong wind. Fire also spread easily through culverts.
- Veld fires suppress grass production for about two seasons. Therefore, veld must rest at least one growing season after an accidental fire and at least one growing season before a planned burning of the veld. In closing Production and reproduction of cattle are usually affected by drought and the get ill easier; the extent will depend on the severity of the drought conditions. Lactating cows, late pregnant heifers and weaners are the most vulnerable because of higher nutrient requirements. A good understanding of these factors is needed for a cost effective management strategy to mitigate the effects of drought on animal production, reproduction and health.

**The following general aspects of management may be considered for beef cattle:**



- Determine pregnancy of cows and heifers as soon as possible (8 weeks for cows and 6 weeks for heifers) after the bulls have been removed. Non-pregnant animals are identified for culling and the stage of pregnancy (early, mid and late conception) relative to mating determined.
- This information and body condition can be used to identify cows that may benefit from early weaning and/or strategic supplementation as well as those to be sold. Informed decision making create opportunity to lessen the effects of a drought.
- Sheep/goat production can benefit from early weaning of lamb/kids – the ewes/does can be fed at lower maintenance levels and lambs/kids finished in a feedlot.
- Animal health starts at the mouth; good nutrition is the basis of healthy animals and production. Changes in management may require adjustments in the programme for the prevention of diseases (inoculation). Remember, inoculation is a simple action (an injection), while creating immunity is a more complex process in animals which requires protein (amino acids in the diet) to produce the antibodies. During droughts and dry seasons the protein content of veld is generally low. Timely inoculation may be considered to ensure the development of better immunity.
- Drastic changes in management such as restricting animals in kraals increases stress and susceptibility for diseases. The incidence of opportunistic diseases may increase and require inoculation which is usually required. Specific local conditions and circumstances will dictate any changes in inoculation as well as external and internal parasite control programmes. Discuss any possible changes in the animal health and disease control programme with your veterinarian.
- Vitamin status must be evaluated and supplemented. We wish you success with the livestock enterprise.

Prof. HO de Waal Pr. Sci. Nat., Anim. Sci. [401721/83] Department of Animal, Wildlife and Grassland Sciences (70) University of the Free State PO Box 339 Bloemfontein South Africa

**Vir die Afrikaanse weergawe:**

<https://www.netwerk24.com/landbou/kundiges/vraag/Droogtewenke-Rek-so-jou-weiding-20190206>

<https://www.netwerk24.com/Landbou/Search?query=Veeproduksie+tydens+droogte&ex=1>

# Maak voorsiening vir droogtes

## Vraag

Wat kan ons uit huidige droogte leer wat ons slimmer en meer voorbereid maak vir die volgende een wat kom?

## Antwoord

Die natuurverskynsel van droogte kom siklies en gereeld in Suid-Afrika voor en kan verwag en dus voor beplan word om te sorg dat die nadelige effek daarvan so min as moontlik is.

Hierdie opmerkings is op tipiese seisoenale en eenjarige droogtes van toepassing, daar waar ons kan sorg dat ons broek nie tot op ons knieë sak nie – soms is die droogtes meer jare agtermekaar en ons kan nie effektief daarvoor voorberei nie.

Daar is nie 'n kortpad of wondermiddel nie, diere het daaglik 'n minimum hoeveelheid verteerbare energie nodig om te oorleef (onderhoud) en addisionele energie om te kan produseer – addisionele voer moet dus verskaf word of die getal diere moet verminder word om met beskikbare voer hierdie energie te kan verskaf.

Die herkouer beskik oor 'n unieke verteringstelsel van mikrobevertering en hersirkulasie van stikstof en is in staat om energie uit laegraadse ruvoer (vesel) te ontsluit – hierdie eienskap moet maksimaal benut word deur ook die regte aanvulling (stikstof of proteïen) te verskaf.

Daar is tye van oorvloed en goedkoop voer wanneer ruvoer oor tyd opgeberg moet word en opgeberg moet bly, selfs in tye van gunstige klimaatsomstandighede – ten minste 3 maande se gebruik moet so opgeberg word en beskikbaar bly.

Die hoeveelheid ruvoer wat nodig is om aan die onderhoudsbehoefte van beeste te voldoen, is 10kg ruvoer per GVE (grootvee-eenhede; 450kg LM) per dag – dit beteken 100 ton voer ( $\pm 400$  ronde bale van  $\pm 250$ kg elk) vir 100 dae vir 100 GVE'e.

Hierdie bale moet verkieslik in miedens van 50 ten minste 20m weg van mekaar af, gepak word om die risiko van brand te verlaag.

'n Veiliger keuse om 'n voorraad voer vir sporadiese droogtes op te berg en wat nie 'n brandgevaar inhou nie, is kuilvoer in een of ander vorm – om droogtevoer vir 100 GVE'e vir 100 dae in die vorm van mieliekuilvoer op te berg, sal  $\pm 160$  ton nat kuilvoer nodig wees wat teen 16kg per dag per GVE verskaf moet word.

Saam met hierdie ruvoer of kuilvoer kan goeie kwaliteit hoendermis (droë braaikuikenmis) opgeberg word, wat hoogs effektief en ekonomies as droogtevoer aangewend kan word – onthou om die diere teen botulisme of lamsiekte in te ent (ten minste twee keer en ten minste twee weke uit mekaar).

Indien hoendermis ook gebruik word, kan 50% van die 10kg ruvoer per dag en 10% van die 16kg kuilvoer met hoendermis vervang word om 'n onderhoudsvoer te maak – hier sal die hoendermis as stikstofbron dien om beide die ruvoer en kuilvoer se tekort aan stikstof aan te vul en die energie te ontsluit – die minimum lek, indien enige, sal dan ook nodig wees.

Geskryf deur: Dr. Kobus Swart, PhD; Pr. Sci. Nat, Diervoeding. ([kobus@mixcure.co.za](mailto:kobus@mixcure.co.za))

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

## Micro-nutritional and vitamin deficiencies

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

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

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

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 during winter and drought conditions.**

## Multifactorial diseases and other conditions

The following conditions were reported by practices in the provinces



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

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

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

Pneumonia and lameness (foot conditions) are wide spread.

## Metabolic diseases

The following diseases were reported by practices in the provinces:

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



Lightning									
Electrocution									
Drought							X	X	X

## Other conditions

	MP	G	L	NW	FS	KZN	EC	WC	NC
Dermatopraxia									
Genetic disorders									
Wet carcasses									X
Drug residues (milk, meat, liver, kidney etc)							X		
Predators	X				X		X		
Theft/Sabotage		X			X	X			
Trauma (fractures etc)		X	X		X			X	
Trauma (veldfires)									

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

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

### PRECAUTIONARY MEASURES TO SUPPORT BIO-SECURITY.

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

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

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

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

Have there been any recent disease outbreaks in the location?

Do brand marks clearly confirm ownership?

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

Is a veterinarian supported control program against transmittable diseases followed?  
Dates and sufficient number of tests for reproductive diseases of both male and female  
Dates and tests for zoonotic diseases  
The above should also be verified with the purchaser's own veterinarian.

## **2. PURCHASES FROM SALES OR SPECULATORS**

Purchase only in areas which are not in close proximity to scheduled areas  
Visually inspect the animals before purchasing for:  
\* brand marks  
\* parasite infestation

## **3. TRANSPORT TO THE FARM**

Use only reputable transporters  
Has the truck been cleaned and disinfected?  
Truck to follow the shortest uninterrupted route  
Truck to take the shortest route to the handling facilities  
Do not allow the truck personnel to get in contact with the farm herd

## **4. ARRIVAL ON THE FARM**

Off-load the livestock to limit stress and to be visually evaluated for any unnatural conditions.  
Isolate them from the farm herd and shared facilities for at least 21 days (quarantine)  
Retest for diseases of concern if needed, before mixing with the rest of the herd  
Process new arrivals within 24 hrs after arrival (unique ID tag brand, dip, dose, vaccinate)  
Inspect regularly

## **5. FEED PURCHASES**

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

## **6. VISITORS**

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

## **7. EMPLOYEES**

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

## **GENERAL AND REPRODUCTION MANAGEMENT**



Record keeping: All animals are individually identified and recorded.

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

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

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

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

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

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

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

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

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

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

#### **HERD HEALTH AND BIO-SECURITY**

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

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

Some diseases and parasites (internal and external) are more often encountered in specific areas:

Annual vaccinations and a parasite control program should be applied according to regional requirements and in liaison with the veterinarian.

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

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

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

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

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

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

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## **Practices that had nothing to report**

Cape Town – Dr. Sophette Gers  
 Kareedouw – Dr. Martin Bootsma  
 Nelspruit – Dr. Silke Pfitzer  
 Port Alfred – Dr. Leon de Bruyn  
 Reitz – Dr. Schabert Froneman  
 Vaalwater – Dr. Annemieke Müller

## Ostriches

### Western Cape

#### Malmesbury

Poor nutrition - Property runs ostriches and cattle together. It was assumed that the ostriches would forage enough in order to meet their nutritional needs, but they were severely underfed. The role of the nutritionist in a livestock farming set-up is often underestimated.

#### Oudtshoorn

Intestinal roundworms	2 - Seasonal – birds onto pasture
Red gut	2
Mycoplasma	3
Protein/Energy deficiency	3 - Season change – cold poor feed intake, cold water/ cheap feed/ feed quality/ consistency.
Vitamin A deficiency	3
Suspect mycotic or megabacterial gastritis	3- Gastritis resulting in poor feed intake – complicated by above
Air sacculitis	3 - Cold/ immune compromise and dust - mycoplasma
Climate – cold	3 - Season change with some extremely cold days with some drizzle, chicks not on weight suffer most

## Equines

### Gauteng

## **Magaliesburg**

Inkberry poisoning – 1 Donkey

## **KwaZulu-Natal**

### **Newcastle**

African Horse Sickness - 2

## **Eastern Cape**

### **Colesberg**

Abortions – Due to cold in a few cases

## **Game**

## **Mpumalanga**

### **Lydenburg**

Resistant – 2

Sarcoptes mites – 2

Protein deficiency – 2

Energy deficiency – 2

Phosphate deficiency – 1

Copper deficiency – 1

Zinc deficiency - 1

## **Limpopo**

### **Bela-Bela**

Wireworm – Sable 1

Tapeworms – Impala, very poor condition, massive tapeworm infestation

Abscess – Sable 1 shoulder

## **North West**

### **Stella**

Intestinal roundworms – 3

Protein deficiency – 3

Energy deficiency - 3

## **KwaZulu-Natal**

### **Pongola**

Brown ear-tick – 1

Theileriosis (Corridor diseases) – 23 naïve buffalo introduced into Corridor Disease controlled area. Fourteen have died of Theileriosis

## **Eastern Cape**

### **Colesberg**

Cold – Rhino deaths

## **Swine**

## Western Cape

### Ceres

Dystocia - 1

### Darling

*E. coli* - 1

## Dogs and cats

### Eastern Cape

Rabies – Farm cats attacked and bit farm workers

### Stutterheim

Rabies – 1 dog

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

Bovine respiratory tract disease yielded *Mannheimia haemolytica* [16], *Pasteurella multocida* [4], *Histophilus somni* [2], *Mycoplasma* [1], *Trueperella pyogenes* [2] and *Streptococcus dysgalactiae*.

*Mannheimia haemolytica* caused septicaemia in a sheep.

*Clostridium novyi* was identified from cattle [2], sheep, rhino and, unusually, from a horse. This is only the third case in horses that I have recorded, since the 1990's. All three were *C. novyi*.

*Trueperella pyogenes* was associated with septicaemia, abscessation and abortion in cattle. *Salmonella* Dublin also caused septicaemia in a calf.

Mastitis was caused by resistant strains of *Stenotrophomonas [Pseudomonas] maltophilia*, *Pseudomonas aeruginosa*, and *E. coli*, as well as *Streptococcus uberis*.

Enteritis was caused by *E. coli* in calves [5], lambs [8], piglets [4] and a cheetah. Two of the isolates were ESBL producers, and most of the *E. coli* isolates were resistant to many antibiotics.

*Staphylococcus aureus* was associated with a uterine discharge in a cow, an ovine abscess and an interdigital porcine infection.

*Streptococcus dysgalactiae [equisimilis]* caused septicaemia as well as vaginitis in pigs.

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

Condition	Comments and Specie
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Intestinal round worms	O 3
Tapeworms	O 1
Liver fluke worms	B 3
<i>Parafilaria</i>	B 3
Cysticercosis; Cysticercosis in liver of bovines from jackal contamination of pastures	B 2
Blue ticks	B 3
Red-legged ticks	B 2
Biting lice	B 1
Sucking lice	B 3
Blowflies	B 1
Asiatic red water	B 3
Anaplasmosis	B 3
Red gut	B 3
Blood gut	O 3
Botulism	B 1
Pulpy kidney	O 1
Haemorrhagic septicaemia ( <i>Pasterella multocida</i> )	B 1
<i>E. coli</i>	B 3
Ringworm	B 3
BMC (snotsiekte)	B 2
IBR	B 3
EBL	B 1

Warts	B 2
Orf	C 1
Urea poisoning	B 1
Protein deficiency	B 3
Energy deficiency	B 3, O 3
Phosphate deficiency	B 3
Vitamin A deficiency	O 3
Acidosis	B 3, O 3
Dystocia	B 1
Blue udder	O 3
Navell ill	B 2
Joint ill	B 2
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
Trauma	B 3, O 3
Pericaditis	B 3
Deaths reported by farmers: red water, anaplasmosis, pneumonia, pulpy kidney, acidosis	B, O

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

MRCVS)

Specialist Veterinary Pathologist, Vetdiagnostix - Veterinary Pathology Services

<b>LIVESTOCK DISEASE SURVEILANCE</b>			
<b>LIVESTOCK SPECIES</b>	<b>DISEASE AGENT</b>	<b>NO. CASES</b>	<b>LOCATION</b>
Porcine	Hemorrhagic septicaemia	1	Estcourt, KZN
Bovine	Hemorrhagic septicaemia	1	Estcourt, KZN
Bovine	Vegatative endocarditis	1	Mtubatuba, KZN
Bovine	Calf paratyphoid	1	Mooi River, KZN
Ovine	Cryptosporidiosis	1	Humansdorp, E. Cape

<b>WILDLIFE DISEASE SURVEILANCE</b>			
<b>WILDLIFE SPECIES</b>	<b>DISEASE AGENT</b>	<b>NO. CASES</b>	<b>LOCATION</b>
Sable Antelope, calf	Cryptosporidiosis	1	Petersburg, Limpopo

**Monthly report on Livestock and Wildlife isolations for June 2019 from IDEXX Laboratories supplied by dr. Liza du Plessis ([Liza-DuPlessis@idexx.com](mailto:Liza-DuPlessis@idexx.com))**

<b>Condition</b>	<b>Comments and Specie</b>
Heartwater tick	E 1
Tuberculosis	B 2
Equine sarcoid	E 1
Protein deficiency	B 1,O 1
Energy deficiency	B 1, O 1
Abortion	B 1, O 1
Lung infection (bacterial)	B 2

1<sup>st</sup> July 2019

DAFF

Import/Export Policy Unit Subdirector

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**Wildlife cases sent to referring veterinarians between 26<sup>th</sup> April and 30<sup>th</sup> June 2019**

Cases from State vet Skukuza or Orpen

Cases imported with master permit (none)

PMDate	Species	Final	Histo No
15-Apr-19	Lion	Suspected chronic lymphoid leukaemia	S1276-19
17-Apr-19	Cheetah	Chronic renal disease, oxalate nephrosis, gastritis	S1314-19
18-Apr-19	Lion	Cachexia	S1330-19
18-Apr-19	Lion	Cachexia	S1328-19
26-Apr-19	Cheetah	Suspected sterile cellulitis	S1408-19
02-May-19	Tiger	Mild subacute gastritis	S1465-19
06-Jun-19	Cheetah	Moderate subacute gastritis	S1875-19
06-Jun-19	Cheetah	Subcutaneous haemangiosarcoma	S1875-19
07-Jun-19	Cheetah	Verminous myositis, dermatitis	S1898-19
11-Jun-19	Cheetah	Nasal cryptococcosis	S1928-19
12-Jun-19	Tiger	Normal skin	S1944-19

Kind regards,



Prof. Emily Mitchell



## DISEASE DISTRIBUTION REPORT AS REPORTED BY VETERINARIANS

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<a href="#"><u>Insect Transmittable Diseases</u></a>	<a href="#">Lumpy skin disease</a> , <a href="#">Three-day-stiffsickness</a> , <a href="#">Blue tongue</a> , <a href="#">Naqana</a>
<a href="#"><u>Venereal Diseases</u></a>	<a href="#">Actinobacillus seminis</a> , <a href="#">Trichomonosis</a> , <a href="#">Vibriosis</a> , <a href="#">Pizzle disease</a>
<a href="#"><u>Bacterial Disease (other)</u></a>	<a href="#">Blackquarter</a> , <a href="#">Botulism</a> , <a href="#">Pulpy Kidney</a> , <a href="#">Swelled head disease</a> , <a href="#">Red gut (cattle)</a> , <a href="#">Blood gut (Sheep)</a> , <a href="#">Tetanus</a> , <a href="#">Salmonellosis</a> , <a href="#">Brucella abortus</a> , <a href="#">Brucella ovis</a> , <a href="#">Johne`s disease</a> , <a href="#">Pseudomonas</a> , <a href="#">Septicaemia</a> , <a href="#">E. coli</a> , <a href="#">Enzootic Abortion</a> , <a href="#">Intrauterine Gangrene</a> , <a href="#">Fusibacterium necrophorum</a> , <a href="#">Other</a> , <a href="#">Pasteurellosis</a>
<a href="#"><u>Protozoal diseases (other)</u></a>	<a href="#">Besnoitiosis</a> , <a href="#">Coccidiosis</a> , <a href="#">Cryptosporidium</a>
<a href="#"><u>Fungal diseases</u></a>	<a href="#">Ringworm</a>
<a href="#"><u>Viral Diseases (other)</u></a>	<a href="#">BMC</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="#"><u>Poisonings (Plant) and Fungal</u></a>	<a href="#">Cardiac glycoside poisoning</a> , <a href="#">Cestrum</a> , <a href="#">Cynanchum poisoning</a> , <a href="#">Facial eczema</a> , <a href="#">Lantana</a> , <a href="#">Nitrate poisoning</a> , <a href="#">Rye grass poisoning</a> , <a href="#">Tulip Poisoning</a> , <a href="#">Diplodiosis</a> , <a href="#">Other</a>
<a href="#"><u>Poisonings</u></a>	<a href="#">Urea Poisoning</a> , <a href="#">Snake Bite</a> , <a href="#">Other</a>
<a href="#"><u>Macro Nutritional Problems</u></a>	<a href="#">Energy deficiency</a> , <a href="#">Protein deficiency</a> , <a href="#">Phosphate deficiency</a> , <a href="#">Calcium deficiency</a>
<a href="#"><u>Micro Nutritional Problems</u></a>	<a href="#">Iodine deficiency</a> , <a href="#">Copper deficiency</a> , <a href="#">Zinc deficiency</a> , <a href="#">Selenium deficiency</a> , <a href="#">Magnesium deficiency</a> , <a href="#">Manganese deficiency</a> , <a href="#">Vitamin A deficiency</a> , <a href="#">Vitamin B deficiency</a>
<a href="#"><u>Multi-factorial Disease Conditions</u></a>	<a href="#">Abortions</a> , <a href="#">Stillbirths</a> , <a href="#">Abscesses</a> , <a href="#">Abscesses in general</a> , <a href="#">Bladder stones</a> , <a href="#">Blindness</a> , <a href="#">Bloat</a> , <a href="#">Blood gut (sheep and goat)</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</a>

	<a href="#">Ill</a> , <a href="#">Redgut (Sheep)</a> , <a href="#">Trauma</a> , <a href="#">Downer</a> , <a href="#">Other</a> , <a href="#">Vestubular syndrome (Middle ear infection)</a>
<b><a href="#">Metabolic Diseases</a></b>	<a href="#">Acidosis</a> , <a href="#">Displaced abomasum</a> , <a href="#">Ketosis</a> , <a href="#">Milk Fever</a>
<b><a href="#">Reproductive diseases</a></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><a href="#">Climatical Cause</a></b>	<a href="#">Cold exposure</a> , <a href="#">Drought</a>
<b><a href="#">Residues</a></b>	<a href="#">Drug residues</a>
<b><a href="#">Non specific diseases</a></b>	<a href="#">Cause of death not established</a> , <a href="#">Preditors</a> , <a href="#">Sabotation/Theft</a> , <a href="#">Trauma</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>	3.0 (1)	2.0 (3)	2.0 (2)	1.5 (2)	2.2 (5)	1.5 (6)	2.5 (2)	2.3 (6)	

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

<b>Beef</b>						1.5 (2)			
<b>Dairy</b>						2.0 (1)			
<b>Sheep</b>	3.0 (1)	2.0 (3)	2.0 (1)	1.5 (2)	2.2 (5)	1.0 (1)	3.0 (1)	2.3 (4)	
<b>Goat</b>			2.0 (1)			1.5 (2)	2.0 (1)	2.5 (2)	

#### Mpumalanga

##### Lydenburg, Longtom Dierekliniek

Sheep: 3

#### Gauteng

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

Sheep: 3

##### Pretoria, Anima Veterinary Consulting Rooms

Sheep: 2

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

Sheep: 1

#### Limpopo

##### Polokwane, Pietersburg Veterinary Clinic

Sheep: 2, Goat: 2

#### North West

##### Christiana, Christiana Dierehospitaal

Sheep: 1

##### Klerksdorp, Klerksdorp Dierehospitaal

Sheep: 2

## Free State

### Clocolan, Clocolan Dierekliniek

Sheep: 2

### Hoopstad, Hoopstad Dierekliniek

Sheep: 3

### Viljoenskroon, Viljoenskroon Dierekliniek

Sheep: 3

### Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 2

### Vrede, Saulshoek Dierepraktyk

Sheep: 1

## Kwazulu-Natal

### Howick, Howick Veterinary Clinic

Dairy: 2

### Mooi River, Mooirivier Vet Clinic

Beef: 1

### Mtubatuba, Mtubatuba Animal Clinic

Beef: 2, Goat: 2

### Pongola, Pongola Animal Clinic

Sheep: 1, Goat: 1

## Eastern Cape

### Graaff-Reinet, Camdeboo Veterinary Clinic

Goat: 2

### Steynsburg, Steynsburg Dierehospitaal

Sheep: 3

## Western Cape

### Caledon, Caledon Dierekliniek

Sheep: 2, Goat: 3

### George, George Animal Hospital

Sheep: 3

### Stellenbosch, Stellenbosch Animal Hospital

Sheep: 2, Goat: 2

### Swellendam, Swellendam Dierehospitaal

Sheep: 2

## Resistant Round Worms

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

Sheep		2.0 (1)			3.0 (1)				
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## Gauteng

### Pretoria, Anima Veterinary Consulting Rooms

Sheep: 2

## Free State

### Hoopstad, Hoopstad Dierekliniek

Sheep: 3

## Wireworm [^](#)

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

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

<b>Sheep</b>	1.7 (3)	2.0 (2)			2.3 (4)	1.5 (2)		2.0 (3)	
<b>Goat</b>		2.0 (1)				2.0 (1)			

### Mpumalanga

#### Bethal, Bethal Dierekliniek

Sheep: 1

#### Hendrina, Mooiplaas Veterinêre Dienste

Sheep: 2

#### Standerton, Econovet

Sheep: 2

### Gauteng

#### Bronkhorstspuit, Kerkstraat Dierekliniek

Sheep: 3

#### Hammanskraal, Themba Animal Clinic

Sheep: 1, Goat: 2

### Free State

#### Clocolan, Clocolan Dierekliniek

Sheep: 2

#### Hoopstad, Hoopstad Dierekliniek

Sheep: 3

#### Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 2

#### Wesselsbron, Wesselsbron Dierekliniek

Sheep: 2

### Kwazulu-Natal

#### Camperdown, Camperdown Vet Clinic

Sheep: 2, Goat: 2

#### Dundee, Endumeni Herd health

Sheep: 1

### Western Cape

#### Riversdale, Riversdal Dierekliniek

Sheep: 2

#### Stellenbosch, Stellenbosch Animal Hospital

Sheep: 1

#### Swellendam, Swellendam Dierehospitaal

Sheep: 3

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

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

### Mpumalanga

**Hendrina, Mooiplaas Veterinêre Dienste**

Beef: 1

### Kwazulu-Natal

**Howick, Howick Veterinary Clinic**

Beef: 2, Dairy: 2

### Eastern Cape

**Graaff-Reinet, Camdeboo Veterinary Clinic**

Goat: 2

### Western Cape

**Heidelberg (WC), Heidelberg Dierekliniek**

Sheep: 2

**Riversdale, Riversdal Dierekliniek**

Sheep: 1

## Tape Worms

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

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

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

### Free State

**Viljoenskroon, Viljoenskroon Dierekliniek**

Sheep: 3

**Villiers, Wilgepoort Dierekliniek Vennootskap**

Sheep: 2

### Kwazulu-Natal

**Pietermaritzburg, Veterinary House Hospital**

Beef: 2

## Parafilaria

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

<b>Beef</b>	2.0 (1)
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**Kwazulu-Natal**

**Mtubatuba, Mtubatuba Animal Clinic**

Beef: 2

**Liver fluke**

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>	2.5 (2)			2.0 (2)	1.7 (3)	2.3 (3)		1.0 (1)	

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

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

**Standerton, Econovet**

Beef: 3, Sheep: 2

**North West**

**Christiana, Christiana Dierehospitaal**

Sheep: 1

**Potchefstroom, Morvet**

Beef: 3

**Free State**

**Clocolan, Clocolan Dierekliniek**

Beef: 2

**Memel, Memel Veterinary Clinic**

Beef: 2, Sheep: 1

**Kwazulu-Natal**

**Howick, Howick Veterinary Clinic**

Beef: 2, Dairy: 2

**Vryheid, Vryheid Privaat Veeartse**

Beef: 3

**Western Cape**

**Worcester, Durban Straat Dierekliniek Worcester**

Beef: 1

**Conical Flukes**

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

<b>Average</b>	2.0 (1)	1.5 (6)	2.3 (4)
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Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

<b>Beef</b>	2.0 (1)	1.7 (3)	2.0 (3)
<b>Sheep</b>		1.3 (3)	3.0 (1)

#### **Mpumalanga**

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

Beef: 2

#### **Free State**

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

Sheep: 1

##### **Villiers, Wilgepoort Dierekliniek Vennootskap**

Beef: 2, Sheep: 2

##### **Vrede, Saulshoek Diereparktyk**

Beef: 2

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

Beef: 1, Sheep: 1

#### **Kwazulu-Natal**

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

Beef: 3

Diarrhoea - 2 farms

Sheep: 3

Mortalities

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

Beef: 2

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

Beef: 1

### **Cysticercosis**

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>Goat</b>						1.0 (1)			
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#### **Kwazulu-Natal**

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

Goat: 1

### **Other**

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

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

#### Ficksburg, Oosvrystaat Diere Produkte

Sheep: 2

### External Parasites

### Blue ticks

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>	1.8 (4)		1.0 (1)	3.0 (1)	2.6 (10)	2.5 (8)	1.8 (4)		

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

<b>Beef</b>	1.8 (4)		1.0 (1)	3.0 (1)	2.6 (9)	2.5 (6)	1.8 (4)		
<b>Dairy</b>						2.5 (2)			
<b>Sheep</b>					3.0 (1)				

### Mpumalanga

#### Balfour, Balfour Dierekliniek

Beef: 1

#### Hendrina, Mooiplaas Veterinêre Dienste

Beef: 2

#### Lydenburg, Lydenburg Dieresprekkamer

Beef: 2

#### Standerton, Econovet

Beef: 2

### Limpopo

#### Polokwane, Pietersburg Veterinary Clinic

Beef: 1

### North West

#### Ventersdorp, Ventersdorp Dierekliniek

Beef: 3

### Free State

#### Frankfort, Frankfort Dierekliniek

Beef: 3

#### Harrismith, Harrismith Dierehospitaal

Beef: 3

#### Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

#### Kroonstad, Kroonstad Dierehospitaal



Beef: 2

**Memel, Memel Veterinary Clinic**

Beef: 1

**Parys, Parys Dierehospitaal**

Beef: 3

**Viljoenskroon, Viljoenskroon Dierekliniek**

Beef: 3

**Villiers, Wilgepoort Dierekliniek Vennootskap**

Beef: 2

**Vrede, Saulshoek Diereparktyk**

Beef: 3

**Kwazulu-Natal**

**Bergville, Bergville Veterinary Clinic**

Beef: 3

**Dundee, Endumeni Herd health**

Beef: 2, Dairy: 2

**Howick, Howick Veterinary Clinic**

Beef: 3, Dairy: 3

**Mooi River, Mooirivier Vet Clinic**

Beef: 2

**Underberg, Underberg Veterinary Surgery**

Beef: 2

**Vryheid, Vryheid Privaat Veeartse**

Beef: 3

**Eastern Cape**

**Alexandria, Alexandria Platteland Spreekkamer**

Beef: 1

**Aliwal North, Hertzogbrug Dierekliniek**

Beef: 2

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

Beef: 2

**Humansdorp, Humansdorp Veterinary Clinic**

Beef: 2

**Resistant blue Ticks**



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

<b>Beef</b>					2.0 (1)				
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**Free State**

**Villiers, Wilgepoort Dierekliniek Vennootskap**

Beef: 2

**Heartwater (Bont) ticks**



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

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

<b>Beef</b>	2.0 (1)	2.0 (2)	1.0 (1)	1.0 (1)		1.8 (4)	2.0 (1)		
<b>Sheep</b>		2.0 (1)				1.0 (1)			
<b>Goat</b>		2.0 (1)	1.0 (1)			1.0 (1)			

#### **Mpumalanga**

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

Beef: 2

#### **Gauteng**

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

Beef: 2, Goat: 2

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

Beef: 2, Sheep: 2

#### **Limpopo**

##### **Mokopane, Dr Henk Visser**

Beef: 1, Goat: 1

#### **North West**

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

Beef: 1

#### **Kwazulu-Natal**

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

Beef: 2

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

Beef: 2

##### **Mtubatuba, Mtubatuba Animal Clinic**

Beef: 2

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

Beef: 1, Sheep: 1, Goat: 1

#### **Eastern Cape**

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

Beef: 2

### **Brown ear-ticks**



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

##### **Standerton, Econovet**

Beef: 2

#### **Limpopo**

##### **Polokwane, Pietersburg Veterinary Clinic**

Beef: 1

**Kwazulu-Natal**

**Dundee, Endumeni Herd health**

Beef: 2

**Mtubatuba, Mtubatuba Animal Clinic**

Beef: 2

**Bont-legged ticks**

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)	2.4 (5)				

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

<b>Beef</b>	2.0 (1)			3.0 (2)	2.3 (4)				
<b>Sheep</b>					3.0 (1)				

**Mpumalanga**

**Lydenburg, Lydenburg Dieresprekkamer**

Beef: 2

**North West**

**Christiana, Christiana Dierehospitaal**

Beef: 3

**Leeudoringstad, Leeudoringstad Dierekliniek**

Beef: 3

**Free State**

**Frankfort, Frankfort Dierekliniek**

Beef: 3

**Hoopstad, Hoopstad Dierekliniek**

Beef: 3, Sheep: 3

**Memel, Memel Veterinary Clinic**

Beef: 1

**Viljoenskroon, Viljoenskroon Dierekliniek**

Beef: 2

**Red-legged ticks**

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)	2.0 (5)		3.0 (1)		

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

<b>Beef</b>	2.0 (1)			3.0 (1)	2.0 (3)		3.0 (1)		
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<b>Sheep</b>										2.0 (2)
<b>Mpumalanga</b>										
<b>Lydenburg, Lydenburg Dieresprekkamer</b>										
Beef: 2										
<b>North West</b>										
<b>Christiana, Christiana Dierehospitaal</b>										
Beef: 3										
<b>Free State</b>										
<b>Hoopstad, Hoopstad Dierekliniek</b>										
Beef: 3, Sheep: 3										
<b>Memel, Memel Veterinary Clinic</b>										
Beef: 1, Sheep: 1										
<b>Vrede, Saulshoek Dierpraktyk</b>										
Beef: 2										
<b>Eastern Cape</b>										
<b>Steynsburg, Steynsburg Dierehospitaal</b>										
Beef: 3										
<b>Paralysis ticks</b>										<a href="#">^</a>
<b>PROVINCE</b>	<b>Mpumalanga</b>	<b>Gauteng</b>	<b>Limpopo</b>	<b>North West</b>	<b>Free State</b>	<b>Kwazulu-Natal</b>	<b>Eastern Cape</b>	<b>Western Cape</b>	<b>Northern Cape</b>	
<b>Average</b>					2.0 (1)		2.5 (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>									1.0 (1)	
<b>Sheep</b>					2.0 (1)		2.5 (2)			
<b>Free State</b>										
<b>Philippolis, Rowelsfontein veearts Spreekkamer</b>										
Sheep: 2										
<b>Eastern Cape</b>										
<b>Graaff-Reinet, Graaff Reinet Veterinary Clinic</b>										
Sheep: 2										
<b>Steynsburg, Steynsburg Dierehospitaal</b>										
Sheep: 3										
<b>Northern Cape</b>										
<b>Colesberg, Karoo Veterinary Hospital</b>										
Beef: 1										
<b>Biting lice (red lice)</b>										<a href="#">^</a>
<b>PROVINCE</b>	<b>Mpumalanga</b>	<b>Gauteng</b>	<b>Limpopo</b>	<b>North West</b>	<b>Free State</b>	<b>Kwazulu-Natal</b>	<b>Eastern Cape</b>	<b>Western Cape</b>	<b>Northern Cape</b>	
<b>Average</b>	3.0 (1)			2.5 (2)	3.0 (1)		2.0 (1)	3.0 (1)		

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

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

### Mpumalanga

#### Standerton, Econovet

Sheep: 3

### North West

#### Leeudoringstad, Leeudoringstad Dierekliniek

Beef: 3

#### Ventersdorp, Ventersdorp Dierekliniek

Beef: 2

### Free State

#### Kroonstad, Kroonstad Dierehospitaal

Beef: 3

### Eastern Cape

#### Graaff-Reinet, Camdeboo Veterinary Clinic

Goat: 2

### Western Cape

#### Swellendam, Swellendam Dierehospitaal

Sheep: 3

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

### North West

#### Leeudoringstad, Leeudoringstad Dierekliniek

Beef: 3

### Free State

#### Hoopstad, Hoopstad Dierekliniek

Beef: 3

### Eastern Cape

#### Graaff-Reinet, Camdeboo Veterinary Clinic

Goat: 2

### Western Cape

#### Stellenbosch, Stellenbosch Animal Hospital

Goat: 1

### Northern Cape

#### Postmasburg, Postmasburg Dierekliniek

Goat: 2

## Scab mites [^](#)

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

<b>Sheep</b>					1.0 (1)				
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### Free State

**Wesselsbron, Wesselsbron Direkliniek**

Sheep: 1

## Mange Mites [^](#)

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

<b>Beef</b>	2.0 (3)			3.0 (1)	2.0 (2)				
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<b>Goat</b>						2.0 (1)			
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### Mpumalanga

**Balfour, Balfour Direkliniek**

Beef: 1

Sarcoptes

**Bethal, Bethal Direkliniek**

Beef: 3

**Ermelo, Mōregloed Veterinêre Spreekkamer**

Beef: 2

### North West

**Leeudoringstad, Leeudoringstad Direkliniek**

Beef: 3

### Free State

**Clocolan, Clocolan Direkliniek**

Beef: 2

**Ladybrand, Ladybrand Direkliniek**

Beef: 2

### Kwazulu-Natal

**Camperdown, Camperdown Vet Clinic**

Goat: 2

## Nuisance Flies [^](#)

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>	1.0 (3)				2.0 (1)	2.0 (1)		1.8 (4)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
<b>Beef</b>	1.0 (1)					2.0 (1)		1.5 (2)	
<b>Dairy</b>					2.0 (1)			2.0 (1)	
<b>Sheep</b>	1.0 (1)							2.0 (1)	
<b>Goat</b>	1.0 (1)								

#### Mpumalanga

##### Balfour, Balfour Dierekliniiek

Beef: 1, Sheep: 1, Goat: 1

#### Free State

##### Kroonstad, Kroonstad Dierehospitaal

Dairy: 2

#### Kwazulu-Natal

##### Mtubatuba, Mtubatuba Animal Clinic

Beef: 2

#### Western Cape

##### Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 2, Sheep: 2

##### Oudtshoorn, Ostrimed

Beef: 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 (1)			2.0 (3)	

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

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

#### Mpumalanga

##### Balfour, Balfour Dierekliniiek

Sheep: 1

#### Free State

##### Hoopstad, Hoopstad Dierekliniiek

Sheep: 3

#### Western Cape

##### Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 2, Sheep: 2

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

**Limpopo**  
**Mokopane, Dr Henk Visser**  
 Beef: 1, Goat: 1

**Eastern Cape**  
**Alexandria, Alexandria Platteland Spreekamer**  
 Beef: 1

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

**Mpumalanga**  
**Volksrust, Cape Cross Volksrust Dierehospitaal**  
 Sheep: 2

**Free State**  
**Hoopstad, Hoopstad Dierekliniek**  
 Sheep: 3

**Kroonstad, Kroonstad Dierehospitaal**  
 Sheep: 2

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



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

Beef: 1

**Western Cape****Oudtshoorn, Ostrimed**

Beef: 1

**Mosquitoes**

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

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

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

**Free State****Wesselsbron, Wesselsbron Dierekliniek**

Beef: 1, Sheep: 1

**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>	2.0 (3)	1.5 (2)	1.0 (2)	1.0 (1)	2.3 (4)	1.9 (8)	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 (3)	1.5 (2)	1.0 (2)	1.0 (1)	2.3 (4)	1.8 (6)	1.7 (3)		
<b>Dairy</b>						2.0 (2)			

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

Beef: 2

**Middelburg, Middelburg Dierehospitaal**

Beef: 2

**Standerton, Econovet**

Beef: 2

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

Beef: 1

**Magaliesburg, Magaliesburg; Dr Ryan Jeffrey**

Beef: 2

**Limpopo**

**Mokopane, Dr Henk Visser**

Beef: 1

**Polokwane, Pietersburg Veterinary Clinic**

Beef: 1

**North West**

**Klerksdorp, Klerksdorp Dierehospitaal**

Beef: 1

**Free State**

**Clocolan, Clocolan Dierekliniek**

Beef: 2

**Frankfort, Frankfort Dierekliniek**

Beef: 3

**Viljoenskroon, Viljoenskroon Dierekliniek**

Beef: 2

**Villiers, Wilgepoort Dierekliniek Vennootskap**

Beef: 2

**Kwazulu-Natal**

**Bergville, Bergville Veterinary Clinic**

Beef: 2

**Dundee, Endumeni Herd health**

Dairy: 1

**Howick, Howick Veterinary Clinic**

Beef: 3, Dairy: 3

**Mooi River, Mooirivier Vet Clinic**

Beef: 1

**Pietermaritzburg, Veterinary House Hospital**

Beef: 2

**Pongola, Pongola Animal Clinic**

Beef: 1

**Vryheid, Vryheid Privaat Veeartse**

Beef: 2

**Eastern Cape**

**Alexandria, Alexandria Platteland Spreekkamer**

Beef: 1

**Alexandria, Riverview Trading Vet Consulting Services**

Beef: 2

**Witelsbos, Witelsbos Veterinary Consulting Rooms**

Beef: 2

**Asiatic red water**

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>	1.5 (4)	1.0 (1)		2.0 (3)	2.0 (6)	1.7 (3)	2.0 (1)	2.0 (2)	

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

<b>Beef</b>	1.5 (4)	1.0 (1)		2.0 (3)	2.0 (6)	1.7 (3)	2.0 (1)		
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**Mpumalanga****Balfour, Balfour Dierekliniek**

Beef: 1

**Lydenburg, Lydenburg Dieresprekkamer**

Beef: 2

**Middelburg , Middelburg Dierehospitaal**

Beef: 1

**Standerton, Econovet**

Beef: 2

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

Beef: 1

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

Beef: 2

**Klerksdorp, Klerksdorp Dierehospitaal**

Beef: 2

**Potchefstroom, Morvet**

Beef: 2

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

Beef: 3

**Memel, Memel Veterinary Clinic**

Beef: 2

**Viljoenskroon, Viljoenskroon Dierekliniek**

Beef: 2

**Villiers, Wilgepoort Dierekliniek Vennootskap**

Beef: 2

**Vrede, Saulshoek Diereparktyk**

Beef: 2

**Vrede, Vrede Dierehospitaal**

Beef: 1

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

Beef: 2

**Dundee, Endumeni Herd health**

Beef: 1

**Underberg, Underberg Veterinary Surgery**

Beef: 2

Mild weather

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

Beef: 2

**Western Cape****Riversdale, Riversdal Dierekliniek**

Dairy: 2

**Swellendam, Swellendam Dierehospitaal**

Dairy: 2

**Anaplasmosis**

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
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<b>Average</b>	2.0 (4)	1.0 (1)	3.0 (2)	2.1 (11)	2.3 (10)	1.3 (4)	1.3 (3)
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Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

<b>Beef</b>	2.0 (4)	1.0 (1)	3.0 (2)	2.1 (10)	2.3 (7)	1.3 (4)	2.0 (1)
<b>Dairy</b>				2.0 (1)	2.3 (3)		1.0 (2)

### **Mpumalanga**

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

Beef: 2

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

Beef: 2

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

Beef: 2

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

Beef: 2

### **Limpopo**

#### **Mokopane, Dr Henk Visser**

Beef: 1

### **North West**

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

Beef: 3

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

Beef: 3

### **Free State**

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

Beef: 2

#### **Ficksburg, Oosvrystaat Diere Produkte**

Beef: 2

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

Beef: 3

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

Beef: 3

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

Beef: 2

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

Beef: 2

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

Beef: 1

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

Dairy: 2

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

Beef: 3

#### **Vrede, Vrede Dierehospitaal**

Beef: 2

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

Beef: 1

### **Kwazulu-Natal**

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

Beef: 2

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

Beef: 2, Dairy: 1

**Howick, Howick Veterinary Clinic**

Beef: 3, Dairy: 3

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

Beef: 3, Dairy: 3

**Mooi River, Mooirivier Vet Clinic**

Beef: 2

**Pietermaritzburg, Veterinary House Hospital**

Beef: 2

**Underberg, Underberg Veterinary Surgery**

Beef: 2

Mild weather

**Eastern Cape**

**Alexandria, Alexandria Platteland Spreekkamer**

Beef: 1

**Aliwal North, Hertzogbrug Direkliniek**

Beef: 2

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

Beef: 1

**Humansdorp, Humansdorp Veterinary Clinic**

Beef: 1

**Western Cape**

**Malmesbury, Invitrotech**

Dairy: 1

**Malmesbury, Malmesbury Dierehospitaal**

Dairy: 1

**Wellington, Wellington Dierehospitaal**

Beef: 2

**Heartwater**

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

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

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

**Mpumalanga**

**Lydenburg, Lydenburg Dieresprekkamer**

Beef: 2

**Piet Retief, Pets Vet Hospital**

Beef: 2

**Gauteng**

**Hammanskraal, Themba Animal Clinic**

Beef: 3, Sheep: 1, Goat: 3

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

Goat: 1

**North West**

**Brits, Brits Direkliniek**

Beef: 2, Goat: 2

**Kwazulu-Natal**

**Camperdown, Camperdown Vet Clinic**

Sheep: 1, Goat: 1

**Dundee, Endumeni Herd health**

Sheep: 2

**Eshowe, Eshowe Veterinary Hospital**

Beef: 1

Per-acute heartwater

**Mtubatuba, Mtubatuba Animal Clinic**

Beef: 2, Goat: 2

**Pongola, Pongola Animal Clinic**

Sheep: 1, Goat: 1

**Vryheid, Vryheid Privaat Veeartse**

Beef: 2, Goat: 2

**Eastern Cape**

**Alexandria, Riverview Trading Vet Consulting Services**

Beef: 2

**Uitenhage, Uitenhage Dierehospitaal**

Goat: 1

**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>			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)						
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**Limpopo**

**Mokopane, Dr Henk Visser**

Beef: 2

**Three-day-stiffsickness**

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)			2.0 (2)	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>	2.0 (1)	1.0 (1)			3.0 (1)	1.5 (2)		1.0 (1)	
<b>Dairy</b>					1.0 (1)			1.0 (1)	

**Mpumalanga**

**Piet Retief, Pets Vet Hospital**

Beef: 2

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

Beef: 1

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

Beef: 3

**Wesselsbron, Wesselsbron Dierekliniek**

Dairy: 1

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

Beef: 1

**Eshowe, Eshowe Veterinary Hospital**

Beef: 2

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

Dairy: 1

**Stellenbosch, Stellenbosch Animal Hospital**

Beef: 1

Suspect

**Blue tongue**

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

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

<b>Sheep</b>					2.0 (1)				
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**Free State****Bultfontein, Greylingrust Dieresprekkamer**

Sheep: 2

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

Beef: 3

**Venereal Diseases**

## Actinobacillus seminis [^](#)

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

<b>Beef</b>				3.0 (1)					
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### North West

#### Stella, Stella Dierekliniek

Beef: 3

## Trichomonosis [^](#)

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
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<b>Average</b>	2.0 (8)	1.5 (2)		2.0 (2)	2.3 (11)	2.0 (2)			
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Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

<b>Beef</b>	2.0 (8)	1.5 (2)		2.0 (2)	2.3 (11)	2.0 (2)			
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### Mpumalanga

#### Bethal, Bethal Dierekliniek

Beef: 2

#### Grootvlei, Grootvlei Dierekliniek

Beef: 1

#### Hendrina, Mooiplaas Veterinêre Dienste

Beef: 3

#### Middelburg, Middelburg Dierehospitaal

Beef: 3

#### Nelspruit, Nelspruit Animal Hospital

Beef: 1

#### Piet Retief, Pets Vet Hospital

Beef: 2

#### Standerton, Econovet

Beef: 2

#### Volksrust, Cape Cross Volksrust Dierehospitaal

Beef: 2

### Gauteng

#### Bronkhorstspuit, Kerkstraat Dierekliniek

Beef: 2

#### Nigel, Welgelegen Dierekliniek

Beef: 1

### North West

#### Klerksdorp, Klerksdorp Dierehospitaal

Beef: 2

#### Leeudoringstad, Leeudoringstad Dierekliniek



Beef: 2

In a specific herd pregnancy percentage fell to 13%

### Free State

#### Clocolan, Clocolan Dierekliniek

Beef: 2

#### Dewetsdorp, Platkop Dierekliniek

Beef: 2

#### Frankfort, Frankfort Dierekliniek

Beef: 3

#### Harrismith, Harrismith Dierehospitaal

Beef: 2

#### Hoopstad, Hoopstad Dierekliniek

Beef: 3

#### Kroonstad, Kroonstad Dierehospitaal

Beef: 2

#### Memel, Memel Veterinary Clinic

Beef: 2

#### Parys, Parys Dierehospitaal

Beef: 2

One herd adjacent to a farmer speculating with cattle

#### Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 2

#### Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 3

#### Vrede, Saulshoek Dierepark

Beef: 2

### Kwazulu-Natal

#### Dundee, Endumeni Herd health

Beef: 1

#### Vryheid, Vryheid Privaat Veeartse

Beef: 3

New farm

## Vibriosis

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

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

Beef	2.0 (1)			2.0 (1)	1.8 (4)		1.0 (2)	2.0 (1)	
Dairy	2.0 (1)								

### Mpumalanga

#### Hendrina, Mooiplaas Veterinêre Dienste

Beef: 2

#### Volksrust, Cape Cross Volksrust Dierehospitaal

Dairy: 2

### North West

#### Leeudoringstad, Leeudoringstad Dierekliniek

Beef: 2

**Free State**

**Clocolan, Clocolan Dierekliniek**

Beef: 2

**Hoopstad, Hoopstad Dierekliniek**

Beef: 1

**Ladybrand, Ladybrand Dierekliniek**

Beef: 2

**Viljoenskroon, Viljoenskroon Dierekliniek**

Beef: 2

**Eastern Cape**

**Alexandria, Riverview Trading Vet Consulting Services**

Beef: 1

**Aliwal North, Hertzogbrug Dierekliniek**

Beef: 1

**Western Cape**

**Malmesbury, Malmesbury Dierehospitaal**

Beef: 2

**Pizzle disease**

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)				
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**Free State**

**Philippolis, Rowelsfontein veearts Spreekkamer**

Sheep: 1

**Bacterial Disease (other)**

**Blackquarter**

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>	2.0 (3)	1.5 (2)		2.8 (4)	1.9 (7)			1.5 (2)	

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

<b>Beef</b>	2.0 (2)	1.5 (2)		2.7 (3)	1.9 (7)			2.0 (1)	
<b>Dairy</b>								1.0 (1)	
<b>Sheep</b>	2.0 (1)			3.0 (1)					

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

Beef: 3

**Ermelo, Mōregloed Veterinêre Spreekkamer**

Beef: 1

**Standerton, Econovet**

Sheep: 2

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

Beef: 1

**Hammanskraal, Themba Animal Clinic**

Beef: 2

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

Beef: 2

**Christiana, Christiana Dierehospitaal**

Beef: 3, Sheep: 3

**Leeudoringstad, Leeudoringstad Dierekliniek**

Beef: 3

Farmers do not vaccinate with multiclostridial vaccines

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

Beef: 2

**Frankfort, Frankfort Dierekliniek**

Beef: 3

**Harrismith, Harrismith Dierehospitaal**

Beef: 2

**Kroonstad, Kroonstad Dierehospitaal**

Beef: 2

**Parys, Parys Dierehospitaal**

Beef: 1

**Villiers, Wilgepoort Dierekliniek Vennootskap**

Beef: 2

**Wesselsbron, Wesselsbron Dierekliniek**

Beef: 1

**Western Cape****Piketberg, Piketberg Dierehospitaal**

Beef: 2

Confirmed

**Swellendam, Swellendam Dierehospitaal**

Dairy: 1

<b>Botulism</b>									
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)				

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

Beef: 2

**Free State****Hoopstad, Hoopstad 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)	2.1 (7)			2.0 (3)	2.0 (2)

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

<b>Sheep</b>	2.0 (2)			1.0 (1)	2.1 (7)			2.0 (3)	2.0 (2)
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**Mpumalanga****Middelburg , Middelburg Dierehospitaal**

Sheep: 1

**Volksrust, Cape Cross Volksrust Dierehospitaal**

Sheep: 3

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

Sheep: 1

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

Sheep: 3

**Hoopstad, Hoopstad Dierekliniek**

Sheep: 3

**Kroonstad, Kroonstad Dierehospitaal**

Sheep: 2

**Ladybrand, Ladybrand Dierekliniek**

Sheep: 2

**Reitz, Riemland Dierehospitaal**

Sheep: 2

**Viljoenskroon, Viljoenskroon Dierekliniek**

Sheep: 1

**Villiers, Wilgepoort Dierekliniek Vennootskap**

Sheep: 2

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

Sheep: 1

**Oudtshoorn, Ostrimed**

Sheep: 2

Feedlotting due to drought, mixtures not fed consistently

**Piketberg, Piketberg Dierehospitaal**

Sheep: 3

Lambs

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

Sheep: 2

**Postmasburg, Postmasburg Dierekliniek**

Sheep: 2

**Swelled head disease**

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

**Mpumalanga****Middelburg , Middelburg Dierehospitaal**

Sheep: 2

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

Beef: 1

**Limpopo****Mokopane, Dr Henk Visser**

Beef: 1

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

Sheep: 2

Suspected malignant oedema due to *Clostridium novyi*.**Caledon, Caledon Dierekliniek**

Sheep: 2

**Red gut (cattle)**

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

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

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

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

Beef: 1

**Piet Retief, Pets Vet Hospital**

Dairy: 2

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

Beef: 1

**Free State**

**Frankfort, Frankfort Dierekliniek**

Beef: 3

**Harrismith, Harrismith Dierehospitaal**

Beef: 1

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

Dairy: 1

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

Beef: 1

**Blood gut (Sheep)**

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)	1.5 (2)		2.0 (1)	

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

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

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

Goat: 1

**Bethal, Bethal Dierekliniek**

Sheep: 1

**Volksrust, Cape Cross Volksrust Dierehospitaal**

Sheep: 3

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

Sheep: 2

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

Sheep: 1

**Vryheid, Vryheid Privaat Veeartse**

Sheep: 2

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

Sheep: 2

**Tetanus**

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

Sheep						3.0 (1)	1.0 (1)			
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Goat		1.0 (1)								
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### Gauteng

Hammanskraal, Themba Animal Clinic

Goat: 1

### North West

Stella, Stella Dierekliniek

Sheep: 3

### Free State

Reitz, Riemland Dierehospitaal

Sheep: 1

## Salmonellosis

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

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

Beef						3.0 (1)			
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Dairy	1.0 (1)								
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### Mpumalanga

Bethal, Bethal Dierekliniek

Dairy: 1

### Kwazulu-Natal

Underberg, Underberg Veterinary Surgery

Beef: 3

## Brucella abortus

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (1)		2.0 (1)	1.8 (4)	2.5 (6)				

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

Beef	2.0 (1)		2.0 (1)	1.8 (4)	2.5 (6)				
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### Mpumalanga

Ermelo, Mōregloed Veterinêre Spreekkamer

Beef: 2

### Limpopo

Mokopane, Dr Henk Visser

Beef: 2

### North West

Bloemhof, Bloemhof Dierekliniek

Beef: 2

**Christiana, Christiana Dierehospitaal**

Beef: 1

**Klerksdorp, Klerksdorp Dierehospitaal**

Beef: 1

**Stella, Stella Dierekliniek**

Beef: 3

**Free State**

**Frankfort, Frankfort Dierekliniek**

Beef: 3

**Hoopstad, Hoopstad Dierekliniek**

Beef: 3

**Kroonstad, Kroonstad Dierehospitaal**

Beef: 3

**Ladybrand, Ladybrand Dierekliniek**

Beef: 2

**Smithfield, Freestate Smithfield SV**

Beef: 1

One animal

**Viljoenskroon, Viljoenskroon Dierekliniek**

Beef: 3

**Brucella ovis**

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)	2.0 (1)

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

<b>Sheep</b>					2.0 (1)			1.0 (1)	2.0 (1)
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**Free State**

**Villiers, Wilgepoort Dierekliniek Vennootskap**

Sheep: 2

**Western Cape**

**Beaufort West, Beaufort Dierekliniek**

Sheep: 1

**Northern Cape**

**De Aar, De Aar Veterinary Clinic**

Sheep: 2

Tested 3 out of 33 rams for ram's disease. All 3 tested positive. Will test remainder of rams.

**Johne`s disease**

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

**Sheep** 1.0 (1)

**Western Cape**

**Darling, Tygerberg Dierehospitaal Darling**

Sheep: 1

**Pseudomonas**

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

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

**Sheep** 1.0 (1)

**Eastern Cape**

**Aliwal North, Hertzogbrug Dierekliniek**

Sheep: 1

**Septicaemia**

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

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

**Beef** 2.0 (1)

**Sheep** 2.0 (1)

**Kwazulu-Natal**

**Dundee, Endumeni Herd health**

Beef: 2

**Northern Cape**

**Calvinia, Calvinia Veeartskliniek**

Sheep: 2

***E. coli***

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
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**Average** 2.5 (4) 2.0 (1) 3.0 (3) 2.4 (11) 1.5 (2) 2.3 (3) 2.0 (1)

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

<b>Beef</b>	2.3 (3)		3.0 (1)	2.3 (4)	1.0 (1)		
<b>Dairy</b>				2.0 (1)		3.0 (2)	
<b>Sheep</b>	3.0 (1)	2.0 (1)	3.0 (2)	2.5 (6)	2.0 (1)	1.0 (1)	
<b>Goat</b>							2.0 (1)

### **Mpumalanga**

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

Beef: 3

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

Beef: 1

#### **Standerton, Econovet**

Beef: 3, Sheep: 3

### **Gauteng**

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

Sheep: 2

### **North West**

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

Beef: 3, Sheep: 3

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

Sheep: 3

Lambs

### **Free State**

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

Beef: 2, Dairy: 2, Sheep: 2

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

Sheep: 3

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

Beef: 3, Sheep: 3

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

Beef: 2, Sheep: 3

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

Beef: 2, Sheep: 2

#### **Villiers, Wilgepoort Dierekliniek Vennootskap**

Sheep: 2

### **Kwazulu-Natal**

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

Beef: 1

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

Sheep: 2

### **Western Cape**

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

Sheep: 1

Young lambs, 6-8 weeks, start with lameness, then neurological signs before death

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

Dairy: 3

#### **Malmesbury, Dr Otto Kriek**

Dairy: 3

*E. coli* was the culprit. Situation was rectified by going back to basics i.e. colostrum, correct vaccination of cows and hygiene etc.

### **Northern Cape**

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

Goat: 2

Enzootic Abortion									
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)				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 (1)			3.0 (1)				2.0 (1)
<b>Goat</b>									2.0 (1)

#### Gauteng

**Bronkhorstspuit, Kerkstraat Dierekliniek**

Sheep: 2

#### Free State

**Frankfort, Frankfort Dierekliniek**

Sheep: 3

#### Northern Cape

**Postmasburg, Postmasburg Dierekliniek**

Sheep: 2, Goat: 2

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

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

Goat: 2

Uterine infection - *Clostridium septicum*

#### Northern Cape

**Postmasburg, Postmasburg Dierekliniek**

Goat: 2

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

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>	1.5 (2)

**Western Cape**  
**Malmesbury, Malmesbury Dierehospitaal**  
 Beef: 2, Dairy: 2  
**Stellenbosch, Stellenbosch Animal Hospital**  
 Dairy: 1

**Other** [^](#)

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)
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**Eastern Cape**  
**Aliwal North, Hertzogbrug Dierekliniek**  
 Sheep: 1

**Pasteurellosis** [^](#)

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

**Mpumalanga**  
**Balfour, Balfour Dierekliniek**  
 Beef: 2, Sheep: 2

**North West**  
**Leeudoringstad, Leeudoringstad Dierekliniek**  
 Beef: 3

*Pasteurella multocida* - 3 cattle died acutely, swelling of turbinate bones, swelling and infection of the brisket

**Potchefstroom, Morvet**  
 Beef: 3, Sheep: 3

**Kwazulu-Natal**  
**Pongola, Pongola Animal Clinic**  
 Sheep: 1

**Western Cape**  
**Moorreesburg, Tygerberg Moorreesburg**  
 Sheep: 2  
*Mannheimia haemolytica*

**Protozoal diseases (other)**

Besnoitiosis									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average		2.0 (1)							
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef		2.0 (1)							
<b>Gauteng</b>									
<b>Bronkhorstspuit, Kerkstraat Dierekliniek</b>									
Beef: 2									
Coccidiosis									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (2)				2.4 (5)	1.3 (3)	1.0 (2)	1.8 (5)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef					2.0 (1)	2.0 (1)		1.0 (1)	
Sheep	2.0 (2)				2.5 (4)	1.0 (1)		2.0 (2)	
Goat						1.0 (1)	1.0 (2)	2.0 (2)	
<b>Mpumalanga</b>									
<b>Hendrina, Mooiplaas Veterinêre Dienste</b>									
Sheep: 2									
<b>Standerton, Econovet</b>									
Sheep: 2									
<b>Free State</b>									
<b>Frankfort, Frankfort Dierekliniek</b>									
Sheep: 3									
<b>Kroonstad, Kroonstad Dierehospitaal</b>									
Sheep: 2									
<b>Reitz, Riemland Dierehospitaal</b>									
Sheep: 2									
<b>Villiers, Wilgepoort Dierekliniek Vennootskap</b>									
Beef: 2, Sheep: 3									
<b>Kwazulu-Natal</b>									
<b>Mooi River, Mooirivier Vet Clinic</b>									
Beef: 2									
<b>Pongola, Pongola Animal Clinic</b>									
Sheep: 1, Goat: 1									
<b>Eastern Cape</b>									
<b>Bathurst, Dr Jane Pistorius</b>									
Goat: 1									

**Graaff-Reinet, Camdeboo Veterinary Clinic**

Goat: 1

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

Goat: 3

**Stellenbosch, Stellenbosch Animal Hospital**

Beef: 1, Sheep: 1, Goat: 1

**Swellendam, Swellendam Dierehospitaal**

Sheep: 3

**Cryptosporidium**

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>	2.0 (4)			3.0 (1)	1.8 (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>	2.0 (2)				2.0 (1)	2.0 (1)			
<b>Dairy</b>					1.0 (1)				
<b>Sheep</b>	2.0 (2)			3.0 (1)	2.0 (2)	2.0 (1)			

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

Beef: 1, Sheep: 2

**Standerton, Econovet**

Beef: 3, Sheep: 2

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

Sheep: 3

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

Beef: 2, Dairy: 1, Sheep: 2

**Villiers, Wilgepoort Dierekliniek Vennootskap**

Sheep: 2

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

Sheep: 2

**Underberg, Underberg Veterinary Surgery**

Beef: 2

**Fungal diseases****Ringworm**

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

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

### Mpumalanga

#### Lydenburg, Lydenburg Dieresprekkamer

Beef: 2

#### Standerton, Econovet

Beef: 2

#### Volkstrust, Cape Cross Volkstrust Dierehospitaal

Beef: 3

### North West

#### Christiana, Christiana Dierehospitaal

Beef: 2

### Free State

#### Hoopstad, Hoopstad Dierekliniek

Beef: 2

#### Philippolis, Rowelsfontein veearts Spreekkamer

Sheep: 1

#### Vrede, Saulshoek Dierpraktyk

Beef: 3

### Kwazulu-Natal

#### Bergville, Bergville Veterinary Clinic

Beef: 2

#### Howick, Howick Veterinary Clinic

Beef: 3

#### Underberg, Underberg Veterinary Surgery

Beef: 3

### Eastern Cape

#### Steynsburg, Steynsburg Dierehospitaal

Beef: 3

## Viral Diseases (other)

### BMC (snotsiekte)

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)	1.7 (3)	1.0 (1)		2.0 (1)	

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

<b>Beef</b>		1.0 (1)	2.0 (1)	1.0 (1)	1.7 (3)	1.0 (1)		2.0 (1)	
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**Gauteng****Pretoria, Anima Veterinary Consulting Rooms**

Beef: 1

**Limpopo****Vaalwater, Vaalwater Dierespreekkamer**

Beef: 2

5 Snotsiekte

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

Beef: 1

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

Beef: 1

**Kroonstad, Kroonstad Dierehospitaal**

Beef: 2

**Vrede, Saulshoek Dierpraktyk**

Beef: 2

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

Beef: 1

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

Beef: 2

**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)					1.0 (1)			

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

<b>Beef</b>	2.0 (1)					1.0 (1)			
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**Mpumalanga****Lydenburg, Longtom Dierekliniek**

Beef: 2

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

Beef: 1

**IBR (Infectious bovine rhinotracheitis)**

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

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

<b>Beef</b>					3.0 (2)	1.0 (2)			
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**Free State****Viljoenskroon, Viljoenskroon Dierekliniek**

Beef: 3

**Vrede, Vrede Dierehospitaal**

Beef: 3

Laboratory confirmed

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

Beef: 1

**Mooi River, Mooirivier Vet Clinic**

Beef: 1

**Enzootic Bovine Leucosis (EBL)**

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

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

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

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

Dairy: 3

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

Beef: 1

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

Beef: 1

**Orf**

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>	1.7 (3)		1.0 (2)	3.0 (1)	2.2 (6)	2.0 (2)		2.3 (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>Sheep</b>	1.7 (3)		1.0 (1)	3.0 (1)	2.2 (6)	1.0 (1)		2.7 (3)	
<b>Goat</b>			1.0 (1)			3.0 (1)		1.0 (1)	3.0 (1)

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

Sheep: 2

**Middelburg, Middelburg Dierehospitaal**

Sheep: 1

**Standerton, Econovet**

Sheep: 2

**Limpopo**

**Polokwane, Pietersburg Veterinary Clinic**

Sheep: 1, Goat: 1

**North West**

**Potchefstroom, Morvet**

Sheep: 3

**Free State**

**Hoopstad, Hoopstad Dierekliniek**

Sheep: 3

**Kroonstad, Kroonstad Dierehospitaal**

Sheep: 3

**Ladybrand, Ladybrand Dierekliniek**

Sheep: 3

**Philippolis, Rowelsfontein veearts Spreekkamer**

Sheep: 1

**Viljoenskroon, Viljoenskroon Dierekliniek**

Sheep: 1

**Villiers, Wilgepoort Dierekliniek Vennootskap**

Sheep: 2

**Kwazulu-Natal**

**Underberg, Underberg Veterinary Surgery**

Sheep: 1

**Vryheid, Vryheid Privaat Veeartse**

Goat: 3

**Western Cape**

**Caledon, Caledon Dierekliniek**

Sheep: 2

**Darling, Tygerberg Dierehospitaal Darling**

Sheep: 3

**Oudtshoorn, Ostrimed**

Goat: 1

**Piketberg, Piketberg Dierehospitaal**

Sheep: 3

Lambs

**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>	1.5 (4)		1.5 (2)	3.0 (2)	3.0 (1)	2.0 (2)			

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

<b>Beef</b>	1.5 (4)		1.5 (2)	3.0 (1)	3.0 (1)	2.0 (2)			
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**Sheep****3.0 (1)****Mpumalanga****Balfour, Balfour Dierekliniek**

Beef: 1

**Grootvlei, Grootvlei Dierekliniek**

Beef: 1

**Lydenburg, Lydenburg Dieresprekkamer**

Beef: 2

**Standerton, Econovet**

Beef: 2

**Limpopo****Mokopane, Dr Henk Visser**

Beef: 2

**Polokwane, Pietersburg Veterinary Clinic**

Beef: 1

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

Beef: 3, Sheep: 3

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

Beef: 3

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

Beef: 2

**Underberg, Underberg Veterinary Surgery**

Beef: 2

**Poisonings (Plant) and Fungal****Cardiac glycoside poisoning**

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

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

<b>Beef</b>		1.0 (1)	2.0 (1)	1.0 (1)					
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<b>Sheep</b>				3.0 (1)					
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**Gauteng****Bronkhorstspuit, Kerkstraat Dierekliniek**

Beef: 1

**Limpopo****Mokopane, Dr Henk Visser**

Beef: 2

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

Beef: 1, Sheep: 3

**Cestrum (ink berry)**



**Sheep** 2.0 (1)

**Mpumalanga**

**Ermelo, Mōregloed Veterinêre Spreekkamer**

Beef: 1

**Western Cape**

**Heidelberg (WC), Heidelberg Dierekliniek**

Sheep: 2

**Lantana** ^

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

<b>Beef</b>		1.0 (1)	2.0 (1)			2.0 (2)			
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**Gauteng**

**Bronkhorstspuit, Kerkstraat Dierekliniek**

Beef: 1

**Limpopo**

**Mokopane, Dr Henk Visser**

Beef: 2

**Kwazulu-Natal**

**Bergville, Bergville Veterinary Clinic**

Beef: 2

**Dundee, Endumeni Herd health**

Beef: 2

**Nitrate poisoning** ^

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

<b>Dairy</b>								2.0 (1)	
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**Western Cape**

**Riversdale, Riversdal Dierekliniek**

Dairy: 2

**Rye grass poisoning** ^

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

**Dairy** 2.0 (1)

### Kwazulu-Natal

**Howick, Howick Veterinary Clinic**

Dairy: 2

### Tulip Poisoning

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>	2.0 (5)			3.0 (1)	3.0 (1)	2.3 (4)	1.0 (1)	1.7 (3)	

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

<b>Beef</b>	2.0 (5)			3.0 (1)		2.3 (3)	1.0 (1)		
<b>Dairy</b>						2.0 (1)		2.0 (2)	
<b>Sheep</b>					3.0 (1)			1.0 (1)	

### Mpumalanga

**Bethal, Bethal Dierekliniek**

Beef: 2

**Grootvlei, Grootvlei Dierekliniek**

Beef: 1

**Hendrina, Mooiplaas Veterinêre Dienste**

Beef: 2

**Middelburg, Middelburg Dierehospitaal**

Beef: 3

**Standerton, Econovet**

Beef: 2

### North West

**Stella, Stella Dierekliniek**

Beef: 3

### Free State

**Bultfontein, Greylingrust Dierespreekkamer**

Sheep: 3

Reported by farmer, 170 sheep died

### Kwazulu-Natal

**Bergville, Tugela Vet Clinic**

Beef: 1

**Dundee, Endumeni Herd health**

Beef: 3, Dairy: 2

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

Beef: 3

### Eastern Cape

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

Beef: 1

### Western Cape

**Heidelberg (WC), Heidelberg Dierekliniek**

Dairy: 1

**Riversdale, Riversdal Dierekliniek**

Sheep: 1

**Swellendam, Swellendam Dierehospitaal**

Dairy: 3

**Diplodiosis**

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

1.0 (1)

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

**Beef**

1.0 (1)

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

Beef: 1

**Other**

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

1.0 (1)

1.0 (1)

1.0 (1)

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

**Dairy**

1.0 (1)

**Sheep**

1.0 (1)

1.0 (1)

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

Dairy: 1

Stootsiekte, one farm

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

Sheep: 1

**Western Cape****Piketberg, Piketberg Dierehospitaal**

Sheep: 1

CCN due to kiesieblaar in a ram

**Poisonings****Urea Poisoning**

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

1.0 (1)

1.0 (1)

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)
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**Mpumalanga**

**Grootvlei, Grootvlei Direkliniek**

Beef: 1

**Kwazulu-Natal**

**Dundee, Endumeni Herd health**

Beef: 1

**Snake Bite**

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)
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**Limpopo**

**Bela Bela, Artemis Veterinary Services**

Beef: 1

White corneae (both eyes) - farmer suspects spitting cobra

**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)	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)
<b>Dairy</b>	2.0 (1)
<b>Sheep</b>	2.0 (1)

**Mpumalanga**

**Lydenburg, Longtom Direkliniek**

Sheep: 2

**Free State**

**Vrede, Saulshoek Dierepraktyk**

Beef: 3

Bulls 18 months old. Too much chicken litter taken in at a time. They went down but recovered fast when litter was removed.

**Kwazulu-Natal**

**Howick, Howick Veterinary Clinic**

Dairy: 2



## Macro Nutritional Problems

### Energy 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 (4)	1.0 (3)	2.5 (2)	2.8 (4)	2.7 (3)	2.0 (1)	2.4 (5)	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>	1.5 (2)	3.0 (1)	1.0 (1)	2.5 (2)	2.5 (2)	3.0 (2)		2.5 (2)	3.0 (1)
<b>Dairy</b>		1.0 (1)			3.0 (1)			3.0 (1)	
<b>Sheep</b>		2.0 (2)	1.0 (1)		3.0 (1)	2.0 (1)	2.0 (1)	2.0 (2)	3.0 (2)
<b>Goat</b>			1.0 (1)						3.0 (1)

#### Mpumalanga

##### Balfour, Balfour Dierekliniek

Beef: 1

##### Hendrina, Mooiplaas Veterinêre Dienste

Beef: 2

#### Gauteng

##### Bapsfontein, Bapsfontein Dierehospitaal

Dairy: 1

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

Beef: 3, Sheep: 3

##### Pretoria, Anima Veterinary Consulting Rooms

Sheep: 1

#### Limpopo

##### Polokwane, Pietersburg Veterinary Clinic

Beef: 1, Sheep: 1, Goat: 1

#### North West

##### Klerksdorp, Klerksdorp Dierehospitaal

Beef: 2

##### Stella, Stella Dierekliniek

Beef: 3

#### Free State

##### Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

##### Parys, Parys Dierehospitaal

Dairy: 3

##### Vrede, Saulshoek Dierpraktijk

Beef: 2

#### Kwazulu-Natal

##### Howick, Howick Veterinary Clinic

Beef: 3

##### Underberg, Underberg Veterinary Surgery

Beef: 3, Sheep: 2

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

Sheep: 2

**Western Cape****Malmesbury, Dr Otto Kriek**

Sheep: 1

**Malmesbury, Malmesbury Dierehospitaal**

Beef: 3, Dairy: 3, Sheep: 3

**Moorreesburg, Tygerberg Moorreesburg**

Beef: 2

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

Sheep: 3

**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>	1.5 (2)	2.2 (5)	1.0 (3)	2.5 (2)	2.7 (3)	3.0 (2)	1.0 (1)	2.5 (4)	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>	2.0 (1)	3.0 (1)	1.0 (1)	2.5 (2)	2.5 (2)	3.0 (2)	1.0 (1)	3.0 (1)	3.0 (1)
<b>Dairy</b>		1.0 (1)						3.0 (1)	
<b>Sheep</b>	1.0 (1)	2.5 (2)	1.0 (1)		3.0 (1)			2.0 (2)	3.0 (2)
<b>Goat</b>		2.0 (1)	1.0 (1)						3.0 (1)

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

Sheep: 1

**Hendrina, Mooiplaas Veterinêre Dienste**

Beef: 2

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

Dairy: 1

**Hammanskraal, Themba Animal Clinic**

Goat: 2

**Magaliesburg, Magaliesburg; Dr Ryan Jeffrey**

Beef: 3

Poor nutrition

Sheep: 3

**Pretoria, Anima Veterinary Consulting Rooms**

Sheep: 2

**Limpopo****Polokwane, Pietersburg Veterinary Clinic**

Beef: 1, Sheep: 1, Goat: 1

**North West**

**Klerksdorp, Klerksdorp Dierehospitaal**

Beef: 2

**Stella, Stella Dierekliniek**

Beef: 3

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

Beef: 3, Sheep: 3

**Vrede, Saulshoek Dierepraktyk**

Beef: 2

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

Beef: 3

**Underberg, Underberg Veterinary Surgery**

Beef: 3

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

Beef: 1

**Western Cape****Malmesbury, Dr Otto Kriek**

Sheep: 1

**Malmesbury, Malmesbury Dierehospitaal**

Beef: 3, Dairy: 3, Sheep: 3

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

Sheep: 3

Wet carcasses

**Postmasburg, Postmasburg Dierekliniek**

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>			2.0 (1)		3.0 (1)		1.0 (1)		2.5 (2)
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
<b>Beef</b>			2.0 (1)		3.0 (1)				2.5 (2)
<b>Dairy</b>							1.0 (1)		

**Limpopo****Polokwane, Pietersburg Veterinary Clinic**

Beef: 2

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

Beef: 3

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

Dairy: 1

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

Beef: 2

**Upington, Upington Veeartsenykliniek**

Beef: 3

Stiff sickness (phosphate deficiency) in first calf heifers in Kalahari, north-west and north of Upington

**Calcium deficiency**

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

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

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

**Mpumalanga**

**Balfour, Balfour Direkliniek**

Beef: 1, Sheep: 1

**Gauteng**

**Pretoria, Anima Veterinary Consulting Rooms**

Sheep: 1

**North West**

**Klerksdorp, Klerksdorp Dierhospitaal**

Beef: 1

**Free State**

**Ladybrand, Ladybrand Direkliniek**

Sheep: 3

**Kwazulu-Natal**

**Howick, Howick Veterinary Clinic**

Dairy: 3

**Mooi River, Mooirivier Vet Clinic**

Beef: 1

**Western Cape**

**Malmesbury, Malmesbury Dierhospitaal**

Dairy: 3

**Swellendam, Swellendam Dierhospitaal**

Dairy: 1

**Worcester, Durban Straat Direkliniek Worcester**

Sheep: 1

**Northern Cape**

**Calvinia, Calvinia Veeartskliniek**

Sheep: 2

**Micro Nutritional Problems**

**Iodine deficiency**

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

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

**Dairy** 2.0 (1)

#### Western Cape

**Malmesbury, Invitrotech**

Dairy: 2

Six cases

#### Copper deficiency

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

**Average** 2.0 (2) 1.0 (1) 1.0 (1)

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

**Beef** 2.0 (1) 1.0 (1)

**Sheep** 2.0 (1)

**Goat** 1.0 (1)

#### Mpumalanga

**Middelburg , Middelburg Dierehospitaal**

Sheep: 2

**Piet Retief, Pets Vet Hospital**

Beef: 2

#### Kwazulu-Natal

**Mtubatuba, Mtubatuba Animal Clinic**

Beef: 1

#### Western Cape

**Stellenbosch, Stellenbosch Animal Hospital**

Goat: 1

#### Zinc deficiency

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

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

**Beef** 2.0 (1)

#### Kwazulu-Natal

**Underberg, Underberg Veterinary Surgery**

Beef: 2

In addition cobalt deficiency

## Selenium deficiency [^](#)

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

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

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

### Mpumalanga

#### Piet Retief, Pets Vet Hospital

Beef: 2

#### Standerton, Econovet

Beef: 3

### North West

#### Christiana, Christiana Dierehospitaal

Sheep: 2

### Free State

#### Wesselsbron, Wesselsbron Dierekliniek

Sheep: 1

### Kwazulu-Natal

#### Underberg, Underberg Veterinary Surgery

Beef: 3

#### Vryheid, Vryheid Privaat Veeartse

Beef: 3

### Northern Cape

#### Upington, Upington Veeartsenykliniek

Sheep: 3

White muscle disease in young suckling lambs, 2 to 8 week old. Ewes on lucern and fed pellets. Lucern from irrigation fields - lower Orange river

## Magnesium deficiency [^](#)

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

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

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

### Free State



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)

### Northern Cape

**Postmasburg, Postmasburg Dierekliniek**

Sheep: 3

## Multi-factorial Disease Conditions

### Abortions

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>	2.3 (3)	1.3 (3)		2.3 (3)	2.4 (11)	2.5 (6)		2.4 (7)	

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

<b>Beef</b>	2.5 (2)	1.5 (2)		2.3 (3)	2.4 (5)	2.4 (5)		2.0 (1)	
<b>Dairy</b>		1.0 (1)			3.0 (1)	3.0 (1)		2.5 (6)	
<b>Sheep</b>	2.0 (1)				2.2 (5)				

### Mpumalanga

**Balfour, Balfour Dierekliniek**

Beef: 3

**Middelburg, Middelburg Dierehospitaal**

Sheep: 2

**Piet Retief, Pets Vet Hospital**

Beef: 2

### Gauteng

**Bapsfontein, Bapsfontein Dierehospitaal**

Dairy: 1

**Bronkhorstspuit, Kerkstraat Dierekliniek**

Beef: 1

**Hammanskraal, Themba Animal Clinic**

Beef: 2

### North West

**Christiana, Christiana Dierehospitaal**

Beef: 3

**Klerksdorp, Klerksdorp Dierehospitaal**

Beef: 2

**Stella, Stella Dierekliniek**

Beef: 2

### Free State

**Frankfort, Frankfort Dierekliniek**

Beef: 2, Sheep: 2

**Hoopstad, Hoopstad Dierekliniek**

Beef: 3, Sheep: 3



**Kroonstad, Kroonstad Dierehospitaal**

Beef: 2, Sheep: 2

**Parys, Parys Dierehospitaal**

Dairy: 3

**Viljoenskroon, Viljoenskroon Dierekliniek**

Beef: 3

**Villiers, Wilgepoort Dierekliniek Vennootskap**

Beef: 2, Sheep: 2

**Wesselsbron, Wesselsbron Dierekliniek**

Sheep: 2

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

Beef: 2

**Dundee, Endumeni Herd health**

Beef: 3

**Howick, Howick Veterinary Clinic**

Beef: 2, Dairy: 3

**Mooi River, Mooirivier Vet Clinic**

Beef: 2

**Underberg, Underberg Veterinary Surgery**

Beef: 3

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

Dairy: 2

**Malmesbury, Dr Otto Kriek**

Dairy: 3

**Malmesbury, Invitrotech**

Dairy: 2

Thre cases

**Malmesbury, Malmesbury Dierehospitaal**

Beef: 2, Dairy: 3

**Riversdale, Riversdal Dierekliniek**

Dairy: 2

**Swellendam, Swellendam Dierehospitaal**

Dairy: 3

**Stillbirths**

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

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

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

Beef: 2

**Free State**

**Frankfort, Frankfort Dierekliniek**

Beef: 2, Sheep: 2

**Hoopstad, Hoopstad Dierekliniek**

Beef: 3, Sheep: 3

**Vrede, Saulshoek Dierepraktyk**

Beef: 2

**Kwazulu-Natal**

**Bergville, Bergville Veterinary Clinic**

Beef: 2

**Western Cape**

**Swellendam, Swellendam Dierehospitaal**

Dairy: 3

**Worcester, Durban Straat Dierekliniek Worcester**

Sheep: 1

**Abscesses**

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)		3.0 (2)	2.4 (5)	2.2 (5)	2.5 (2)	1.8 (5)	

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

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

**Mpumalanga**

**Ermelo, Mōregloed Veterinêre Spreekkamer**

Beef: 1

**Gauteng**

**Hammanskraal, Themba Animal Clinic**

Goat: 2

**Pretoria, Anima Veterinary Consulting Rooms**

Sheep: 1

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

Goat: 2

Caseous lymphadenitis (CLA) *Corynebacterium pseudotuberculosis*

**North West**

**Christiana, Christiana Dierehospitaal**

Beef: 3, Sheep: 3

**Free State**

**Bultfontein, Greylingrust Dierspreekkamer**

Beef: 2

**Dewetsdorp, Platkop Dierekliniek**

Sheep: 2

**Hoopstad, Hoopstad Dierekliniek**

Beef: 3, Sheep: 3

**Ladybrand, Ladybrand Dierekliniek**

Sheep: 2

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

Beef: 1

**Howick, Howick Veterinary Clinic**

Beef: 3, Dairy: 3

**Mooi River, Mooirivier Vet Clinic**

Beef: 2

**Underberg, Underberg Veterinary Surgery**

Beef: 2

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

Sheep: 2

**Steynsburg, Steynsburg Dierehospitaal**

Sheep: 3

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

Beef: 2, Sheep: 2

**Malmesbury, Invitrotech**

Dairy: 1

Culled

**Malmesbury, Malmesbury Dierehospitaal**

Beef: 2, Sheep: 2

**Abscesses in general**

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)			2.7 (3)	2.0 (1)		2.3 (3)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
<b>Beef</b>	1.0 (2)	2.0 (1)			3.0 (1)	2.0 (1)		2.0 (1)	
<b>Dairy</b>								3.0 (1)	
<b>Sheep</b>	2.0 (1)				2.5 (2)			2.0 (1)	

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

Beef: 1

**Grootvlei, Grootvlei Dierekliniek**

Beef: 1

**Lydenburg, Longtom Dierekliniek**

Sheep: 2

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

Beef: 2

**Free State**

**Hoopstad, Hoopstad Dierekliniek**

Beef: 3, Sheep: 3

**Kroonstad, Kroonstad Dierehospitaal**

Sheep: 2

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

Beef: 2

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

Beef: 2, Dairy: 3, Sheep: 2

**Bladder stones**

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

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

Beef: 1

**Lydenburg, Longtom Dierekliniek**

Sheep: 1

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

Sheep: 2

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

Goat: 2

**Blindness**

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

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

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

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

Beef: 1

**Hammanskraal, Themba Animal Clinic**

Goat: 1

<b>Bloat</b>									
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)		3.0 (1)	2.3 (3)	3.0 (1)		2.0 (3)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
<b>Beef</b>	1.5 (2)				2.0 (1)	3.0 (1)			
<b>Dairy</b>								2.5 (2)	
<b>Sheep</b>		1.0 (1)		3.0 (1)	2.5 (2)				
<b>Goat</b>		1.0 (1)						1.0 (1)	
<b>Mpumalanga</b>									
<b>Grootvlei, Grootvlei Dierekliniek</b>									
Beef: 1									
<b>Lydenburg, Longtom Dierekliniek</b>									
Beef: 2									
<b>Gauteng</b>									
<b>Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic</b>									
Sheep: 1, Goat: 1									
<b>North West</b>									
<b>Leeudoringstad, Leeudoringstad Dierekliniek</b>									
Sheep: 3									
Sheep grazing on soyas. Rumen and skin burst open									
<b>Free State</b>									
<b>Dewetsdorp, Platkop Dierekliniek</b>									
Beef: 2									
<b>Hoopstad, Hoopstad Dierekliniek</b>									
Sheep: 3									
<b>Ladybrand, Ladybrand Dierekliniek</b>									
Sheep: 2									
<b>Kwazulu-Natal</b>									
<b>Underberg, Underberg Veterinary Surgery</b>									
Beef: 3									
Frothy bloat on pastures									
<b>Western Cape</b>									
<b>Beaufort West, Beaufort Dierekliniek</b>									
Goat: 1									
<b>Malmesbury, Invitrotech</b>									
Dairy: 2									
3 cases									
<b>Malmesbury, Malmesbury Dierehospitaal</b>									
Dairy: 3									
<b>Blood gut (sheep and goat)</b>									

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

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

**Sheep** 1.0 (1)

#### Gauteng

**Nigel, Welgelegen Dierekliniek**

Sheep: 1

#### Blue udder

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

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

**Dairy** 2.0 (1) 1.0 (1)

**Sheep** 2.0 (4) 1.0 (1) 2.5 (4) 2.0 (1)

#### Free State

**Clocolan, Clocolan Dierekliniek**

Dairy: 2

**Hoopstad, Hoopstad Dierekliniek**

Sheep: 3

**Kroonstad, Kroonstad Dierehospitaal**

Sheep: 2

**Villiers, Wilgepoort Dierekliniek Vennootskap**

Sheep: 2

**Wesselsbron, Wesselsbron Dierekliniek**

Sheep: 1

#### Eastern Cape

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

Sheep: 1

#### Western Cape

**Heidelberg (WC), Heidelberg Dierekliniek**

Sheep: 2

**Malmesbury, Malmesbury Dierehospitaal**

Sheep: 2

**Piketberg, Piketberg Dierehospitaal**

Sheep: 3

**Stellenbosch, Stellenbosch Animal Hospital**

Dairy: 1

**Wellington, Wellington Dierehospitaal**

Sheep: 3

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

Sheep: 2

Suspected

**Diarrhoea**

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>	2.2 (5)			3.0 (3)	2.5 (13)	2.0 (7)	1.5 (2)	2.4 (11)	

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)			3.0 (2)	2.2 (5)	2.0 (4)	2.0 (1)	2.2 (5)	
<b>Dairy</b>	2.0 (1)				2.0 (1)	2.5 (2)	1.0 (1)	2.5 (4)	
<b>Sheep</b>				3.0 (1)	2.7 (7)	1.0 (1)		2.5 (2)	
<b>Goat</b>	2.5 (2)								

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

Beef: 2, Goat: 2

**Lydenburg, Lydenburg Dieresprekkamer**

Beef: 2

**Nelspruit, Nelspruit Animal Hospital**

Goat: 3

**Piet Retief, Pets Vet Hospital**

Dairy: 2

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

Beef: 3, Sheep: 3

**Stella, Stella Dierekliniek**

Beef: 3

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

Beef: 2, Dairy: 2, Sheep: 2

**Ficksburg, Oosvrystaat Dier Produkte**

Sheep: 3

**Frankfort, Frankfort Dierekliniek**

Sheep: 3

**Hoopstad, Hoopstad Dierekliniek**

Beef: 3, Sheep: 3

**Kroonstad, Kroonstad Dierehospitaal**

Sheep: 3

**Viljoenskroon, Viljoenskroon Dierekliniek**

Beef: 3

**Villiers, Wilgepoort Dierekliniek Vennootskap**

Beef: 2, Sheep: 3

**Wesselsbron, Wesselsbron Dierekliniek**

Beef: 1, Sheep: 2

**Kwazulu-Natal**

**Bergville, Tugela Vet Clinic**

Beef: 2

Calves

**Dundee, Endumeni Herd health**

Beef: 2, Dairy: 2

**Howick, Howick Veterinary Clinic**

Dairy: 3

**Mooi River, Mooirivier Vet Clinic**

Beef: 2, Sheep: 1

**Underberg, Underberg Veterinary Surgery**

Beef: 2

**Eastern Cape**

**Alexandria, Alexandria Platteland Spreekkamer**

Beef: 2

**Humansdorp, Humansdorp Veterinary Clinic**

Dairy: 1

**Western Cape**

**Darling, Tygerberg Dierehospitaal Darling**

Beef: 3

**Malmesbury, Dr Otto Kriek**

Dairy: 3

*E. coli* was the culprit. Situation was rectified by going back to basics i.e. colostrum, correct vaccination of cows and hygiene etc.

**Malmesbury, Groenkloof Dierekliniek**

Beef: 3

Diarrhoea in calves

**Malmesbury, Invitrotech**

Dairy: 2

Two cases

**Malmesbury, Malmesbury Dierehospitaal**

Beef: 2, Dairy: 3, Sheep: 3

**Moorreesburg, Tygerberg Moorreesburg**

Beef: 2

**Oudtshoorn, Ostrimed**

Sheep: 2

**Stellenbosch, Stellenbosch Animal Hospital**

Beef: 1

2 month old calves - white diarrhoea. Diagnosis: Rota virus + E Coli

**Swellendam, Swellendam Dierehospitaal**

Dairy: 2

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



**Malmesbury, Groenkloof Dierekliniek**

Sheep: 2

Rams tested for fertility, 2 % had nodules. Tested negative for venereal diseases

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

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

Beef: 1

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

Dairy: 2

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

Dairy: 3

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

Dairy: 2

**Stellenbosch, Stellenbosch Animal Hospital**

Beef: 1

**Swellendam, Swellendam Dierehospitaal**

Dairy: 2

**Eye infections**

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>	2.3 (3)	1.6 (5)	1.0 (1)	2.5 (4)	2.0 (4)	2.1 (8)	2.0 (5)	2.0 (3)	3.0 (1)

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

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

**Mpumalanga**

**Lydenburg, Longtom Dierekliniek**

Beef: 2, Sheep: 2

**Standerton, Econovet**

Sheep: 3

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

Beef: 2, Sheep: 2, Goat: 2

**Pretoria, Anima Veterinary Consulting Rooms**

Sheep: 1

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

Goat: 1

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

Beef: 1

Calf with popped eye

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

Beef: 3, Sheep: 3

**Klerksdorp, Klerksdorp Dierehospitaal**

Beef: 1

**Stella, Stella Dierekliniek**

Beef: 3

**Free State****Harrismith, Harrismith Dierehospitaal**

Beef: 2

**Reitz, Riemland Dierehospitaal**

Beef: 2, Dairy: 2

**Viljoenskroon, Viljoenskroon Dierekliniek**

Beef: 2

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

Goat: 1

**Mooi River, Mooirivier Vet Clinic**

Beef: 2

**Mtubatuba, Mtubatuba Animal Clinic**

Beef: 2

**Pongola, Pongola Animal Clinic**

Sheep: 1

**Underberg, Underberg Veterinary Surgery**

Beef: 2

**Vryheid, Vryheid Privaat Veeartse**

Beef: 3, Sheep: 3, Goat: 3

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

Beef: 2, Dairy: 2

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

Sheep: 2

**Steynsburg, Steynsburg Dierehospitaal**

Sheep: 3

**Uitenhage, Uitenhage Dierehospitaal**

Beef: 1

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

Dairy: 2

Three cases

**Malmesbury, Malmesbury Dierehospitaal**

Beef: 2, Dairy: 2

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

Beef: 3

Keratoconjunctivitis

**Joint Ill**

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 (3)	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

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

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

Beef: 1

**Volkstrust, Cape Cross Volkstrust Dierehospitaal**

Sheep: 3

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

Beef: 1

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

Beef: 2

**Klerksdorp, Klerksdorp Dierehospitaal**

Beef: 2, Sheep: 2

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

Sheep: 2

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

Beef: 1

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

Dairy: 1

**Malmesbury, Malmesbury Dierehospitaal**

Beef: 2, Dairy: 2

**Lameness/Foot Problems**

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

<b>Beef</b>	2.0 (4)	1.7 (3)		2.5 (2)	2.0 (3)	1.3 (3)		1.5 (2)
<b>Dairy</b>					3.0 (1)	3.0 (1)		2.7 (3)
<b>Sheep</b>	2.0 (1)	2.0 (2)		2.0 (1)		2.0 (1)	1.0 (1)	3.0 (1)
<b>Goat</b>		2.0 (1)						

### **Mpumalanga**

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

Beef: 2

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

Beef: 2

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

Beef: 2, Sheep: 2

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

Beef: 2

### **Gauteng**

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

Beef: 1

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

Beef: 2, Goat: 2

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

Sheep: 2

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

Beef: 2, Sheep: 2

### **North West**

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

Beef: 3

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

Beef: 2, Sheep: 2

### **Free State**

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

Beef: 2

#### **Ficksburg, Oosvrystaat Diere Produkte**

Beef: 2

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

Beef: 2, Dairy: 3

### **Kwazulu-Natal**

#### **Eshowe, Eshowe Veterinary Hospital**

Sheep: 2

Interdigital necrobacillosis - Melmoth

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

Beef: 2, Dairy: 3

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

Beef: 1

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

Beef: 1

### **Eastern Cape**

**Uitenhage, Uitenhage Dierehospitaal**

Sheep: 1

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

Dairy: 3

18 cases

**Malmesbury, Malmesbury Dierehospitaal**

Beef: 2, Dairy: 3, Sheep: 3

**Stellenbosch, Stellenbosch Animal Hospital**

Dairy: 2

**Worcester, Durban Straat Dierekliniek Worcester**

Beef: 1

**Lung infection**

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>	2.5 (8)	1.5 (4)		2.4 (5)	2.2 (22)	2.3 (12)	2.0 (2)	1.9 (12)	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>	2.5 (6)			2.3 (4)	2.3 (14)	2.5 (6)		2.0 (1)	3.0 (2)
<b>Dairy</b>		1.0 (1)			1.7 (3)	2.0 (2)		1.8 (5)	
<b>Sheep</b>	2.5 (2)	1.5 (2)		3.0 (1)	2.4 (5)	2.3 (4)	2.0 (1)	2.2 (5)	3.0 (2)
<b>Goat</b>		2.0 (1)					2.0 (1)	1.0 (1)	

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

Beef: 3

**Bethal, Bethal Dierekliniek**

Beef: 2

**Grootvlei, Grootvlei Dierekliniek**

Beef: 2

**Hendrina, Mooiplaas Veterinêre Dienste**

Beef: 3

**Lydenburg, Longtom Dierekliniek**

Beef: 2, Sheep: 2

**Middelburg, Middelburg Dierehospitaal**

Beef: 3, Sheep: 3

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

Dairy: 1

**Bronkhorstspuit, Kerkstraat Dierekliniek**

Sheep: 2

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

Sheep: 1, Goat: 2

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

Beef: 2

Cattle not vaccinated

**Christiana, Christiana Dierehospitaal**

Beef: 3, Sheep: 3

**Klerksdorp, Klerksdorp Dierehospitaal**

Beef: 1

**Ventersdorp, Ventersdorp Dierekliniek**

Beef: 3

**Free State**

**Clocolan, Clocolan Dierekliniek**

Beef: 2, Dairy: 2, Sheep: 2

**Dewetsdorp, Platkop Dierekliniek**

Beef: 2

**Frankfort, Frankfort Dierekliniek**

Beef: 3, Sheep: 3

**Harrismith, Harrismith Dierehospitaal**

Beef: 2

**Hoopstad, Hoopstad Dierekliniek**

Beef: 3, Sheep: 3

**Kroonstad, Kroonstad Dierehospitaal**

Beef: 3

**Ladybrand, Ladybrand Dierekliniek**

Beef: 1

**Memel, Memel Veterinary Clinic**

Beef: 3

**Parys, Parys Dierehospitaal**

Dairy: 2

**Reitz, Riemland Dierehospitaal**

Beef: 2

**Smithfield, Freestate Smithfield SV**

Dairy: 1

**Viljoenskroon, Viljoenskroon Dierekliniek**

Beef: 3

**Villiers, Wilgepoort Dierekliniek Vennootskap**

Beef: 2, Sheep: 2

**Vrede, Saulshoek Dierepark**

Beef: 2

**Vrede, Vrede Dierehospitaal**

Beef: 3, Sheep: 2

**Wesselsbron, Wesselsbron Dierekliniek**

Beef: 1

**Kwazulu-Natal**

**Bergville, Bergville Veterinary Clinic**

Beef: 2

**Dundee, Endumeni Herd health**

Beef: 2, Dairy: 1, Sheep: 2

**Howick, Howick Veterinary Clinic**

Beef: 3, Dairy: 3

**Mtubatuba, Mtubatuba Animal Clinic**

Beef: 2

**Pongola, Pongola Animal Clinic**

Sheep: 1

**Underberg, Underberg Veterinary Surgery**

Beef: 3, Sheep: 3

**Vryheid, Vryheid Privaat Veertse**

Beef: 3, Sheep: 3

**Eastern Cape**

**Graaff-Reinet, Camdeboo Veterinary Clinic**

Sheep: 2, Goat: 2

**Western Cape**

**Ceres, Ceres Veterinary Hospital**

Goat: 1

Hoof abscess in goat

**Darling, Tygerberg Dierehospitaal Darling**

Dairy: 3

**Malmesbury, Dr Otto Kriek**

Dairy: 1

**Malmesbury, Invitrotech**

Dairy: 1

**Malmesbury, Malmesbury Dierehospitaal**

Beef: 2, Dairy: 3, Sheep: 3

**Moorreesburg, Tygerberg Moorreesburg**

Sheep: 2

*Mannheimia haemolytica*

**Oudtshoorn, Ostrimed**

Sheep: 2

In addition, dose pneumonia, new arrivals to feedlot – pressure to process sheep

**Piketberg, Piketberg Dierehospitaal**

Sheep: 3

Lambs, pasteurellosis

**Riversdale, Riversdal Dierekliniek**

Sheep: 1

**Stellenbosch, Stellenbosch Animal Hospital**

Dairy: 1

**Northern Cape**

**Calvinia, Calvinia Veeartskliniek**

Sheep: 3

**Postmasburg, Postmasburg Dierekliniek**

Beef: 3

**Upington, Upington Veeartsenykliniek**

Beef: 3

Pneumonia in calves in feed lot.

Sheep: 3

Pneumonia in lambs in feedlot

**Mastitis in general**

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)		2.3 (3)	1.5 (2)	2.0 (5)	3.0 (1)	2.6 (7)	

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

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

Sheep	2.0 (1)	2.0 (1)	2.0 (2)	1.0 (1)	3.0 (1)	2.0 (1)
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### **Mpumalanga**

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

Beef: 2, Sheep: 2

### **Gauteng**

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

Sheep: 2

### **North West**

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

Beef: 3, Sheep: 3

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

Sheep: 1

### **Free State**

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

Dairy: 2

#### **Smithfield, Freestate Smithfield SV**

Dairy: 1

### **Kwazulu-Natal**

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

Sheep: 1

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

Dairy: 1

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

Dairy: 3

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

Beef: 2

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

Beef: 3

### **Eastern Cape**

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

Sheep: 3

### **Western Cape**

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

Dairy: 3

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

Dairy: 3

#### **Malmesbury, Dr Otto Kriek**

Dairy: 1

#### **Malmesbury, Invitrotech**

Dairy: 3

29 new cases; 1 severe E. coli; culled 13

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

Dairy: 3

#### **Moorreesburg, Tygerberg Moorreesburg**

Sheep: 2

#### **Swellendam, Swellendam Dierehospitaal**

Dairy: 3

## **Navel III**



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

#### Mpumalanga

##### Volkstrust, Cape Cross Volksrust Dierehospitaal

Sheep: 3

#### Free State

##### Wesselsbron, Wesselsbron Dierekliniek

Beef: 1

#### Kwazulu-Natal

##### Underberg, Underberg Veterinary Surgery

Beef: 1

#### Western Cape

##### Malmesbury, Malmesbury Dierehospitaal

Dairy: 1

##### Stellenbosch, Stellenbosch Animal Hospital

Dairy: 1

### Redgut (Sheep) torsion of the gut

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

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

**Sheep** 2.0 (1)

#### Mpumalanga

##### Lydenburg, Longtom Dierekliniek

Sheep: 2

### Trauma

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

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

**Beef** 2.0 (1) 1.0 (1)

**Dairy** 1.0 (1)

Sheep	2.0 (1)
Goat	2.0 (1)

**Mpumalanga**

**Lydenburg, Longtom Dierekliniek**

Beef: 2

**North West**

**Brits, Brits Dierekliniek**

Dairy: 1

**Free State**

**Vrede, Saulshoek Dierpraktik**

Sheep: 2

Lambs trampled each other on the back of a truck. Died due to asphyxia and trauma.

**Kwazulu-Natal**

**Camperdown, Camperdown Vet Clinic**

Beef: 1

Hit by train

Goat: 2

Leg fracture

**Downer**

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.5 (2)				1.7 (6)			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)				1.5 (4)				
Dairy					2.0 (1)			2.5 (2)	
Sheep					2.0 (1)				

**Mpumalanga**

**Bethal, Bethal Dierekliniek**

Beef: 1

**Hendrina, Mooiplaas Veterinêre Dienste**

Beef: 2

**Free State**

**Bultfontein, Greylingrust Dieresprekkamer**

Beef: 1

Cow, trauma

**Dewetsdorp, Platkop Dierekliniek**

Beef: 2

**Frankfort, Frankfort Dierekliniek**

Beef: 2, Sheep: 2

**Kroonstad, Kroonstad Dierehospitaal**

Dairy: 2

**Wesselsbron, Wesselsbron Dierekliniek**

Beef: 1

**Western Cape**

**Malmesbury, Invitrotech**

Dairy: 3

27 cases

**Swellendam, Swellendam Dierehospitaal**

Dairy: 2

**Other**

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)	1.0 (1)	3.0 (1)	1.0 (2)		1.5 (2)	

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

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

**Gauteng**

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

Beef: 1

Abdominal impaction

Sheep: 1

Abdominal hernia

**Limpopo**

**Bela Bela, Artemis Veterinary Services**

Beef: 1

Calf with rash on inside of leg

**North West**

**Schweizer-Reneke, Buffeldoorn Dierkliniek SR**

Beef: 1

Meningitis in kalf

**Free State**

**Bultfontein, Greylingrust Dieresprekkamer**

Sheep: 3

Sheep feedlot, lambs (40%)poor growth

**Kwazulu-Natal**

**Camperdown, Camperdown Vet Clinic**

Beef: 1

rumen stasis

Goat: 1

floppy Kid syndrome

**Western Cape**

**Malmesbury, Invitrotech**

Dairy: 2

Poor production - culled 9

**Plettenberg Bay, Plettenberg Bay A Reitz**

Beef: 1

One Friesland cow out of 500 showed clinical signs of lumpy skin disease. Pathology result was indicated as lymphoma of the skin

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

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

Beef	1.0 (1)								
<b>Mpumalanga</b>									
<b>Lydenburg, Longtom Dierekliniek</b>									
Beef: 1									

## Metabolic Diseases

Acidosis									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.5 (4)	1.0 (2)	1.0 (1)		2.3 (12)	2.0 (2)	2.0 (1)	2.2 (6)	

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

Beef	2.0 (2)	1.0 (2)			2.3 (7)	1.0 (1)		2.0 (2)	
Dairy								3.0 (1)	
Sheep	3.0 (2)		1.0 (1)		2.4 (5)	3.0 (1)	2.0 (1)	2.0 (3)	

<b>Mpumalanga</b>									
<b>Bethal, Bethal Dierekliniek</b>									
Sheep: 3									
<b>Piet Retief, Pets Vet Hospital</b>									
Beef: 1									
<b>Standerton, Econovet</b>									
Beef: 3, Sheep: 3									
<b>Gauteng</b>									
<b>Bronkhorstspuit, Kerkstraat Dierekliniek</b>									
Beef: 1									
<b>Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic</b>									
Beef: 1									
<b>Limpopo</b>									
<b>Polokwane, Pietersburg Veterinary Clinic</b>									
Sheep: 1									
<b>Free State</b>									
<b>Ficksburg, Oosvrystaat Diere Produkte</b>									
Beef: 2									

Cattle broke into soya field

**Frankfort, Frankfort Dierekliniek**

Beef: 3, Sheep: 3

**Harrismith, Harrismith Dierehospitaal**

Beef: 2

**Hoopstad, Hoopstad Dierekliniek**

Beef: 3, Sheep: 3

**Kroonstad, Kroonstad Dierehospitaal**

Sheep: 2

**Reitz, Riemland Dierehospitaal**

Beef: 2

**Villiers, Wilgepoort Dierekliniek Vennootskap**

Beef: 2, Sheep: 2

**Vrede, Saulshoek Dierepraktyk**

Beef: 2, Sheep: 2

**Kwazulu-Natal**

**Bergville, Bergville Veterinary Clinic**

Beef: 1

**Dundee, Endumeni Herd health**

Sheep: 3

**Eastern Cape**

**Steynsburg, Steynsburg Dierehospitaal**

Sheep: 2

**Western Cape**

**Darling, Tygerberg Dierehospitaal Darling**

Beef: 2, Sheep: 2

**Malmesbury, Malmesbury Dierehospitaal**

Beef: 2, Dairy: 3, Sheep: 2

**Oudtshoorn, Ostrimed**

Sheep: 2

**Displaced abomasum**

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

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

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

**Gauteng**

**Hammanskraal, Themba Animal Clinic**

Dairy: 1

**Limpopo**

**Mokopane, Dr Henk Visser**

Beef: 1

**Free State**

**Wesselsbron, Wesselsbron Dierekliniek**

Beef: 1

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

Dairy: 2

**Howick, Howick Veterinary Clinic**

Dairy: 2

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

Dairy: 2

**Ketosis**

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>					2.0 (4)		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>					1.0 (1)			3.0 (1)	
<b>Sheep</b>					2.3 (3)		2.0 (1)		

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

Dairy: 1

**Frankfort, Frankfort Dierekliniek**

Sheep: 3

**Hoopstad, Hoopstad Dierekliniek**

Sheep: 2

**Kroonstad, Kroonstad Dierehospitaal**

Sheep: 2

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

Sheep: 2

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

Dairy: 3

**Milk Fever**

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)			1.7 (6)	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)	1.0 (1)			1.3 (3)				
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<b>Dairy</b>	1.0 (1)	2.0 (1)	1.7 (3)
<b>Sheep</b>	2.5 (2)		

<b>Mpumalanga</b>
<b>Lydenburg, Longtom Dierekliniek</b>
Beef: 2
<b>Gauteng</b>
<b>Hammanskraal, Themba Animal Clinic</b>
Beef: 1
<b>Free State</b>
<b>Ficksburg, Oosvrystaat Dier Produkte</b>
Dairy: 1
<b>Frankfort, Frankfort Dierekliniek</b>
Sheep: 3
<b>Harrismith, Harrismith Dierehospitaal</b>
Beef: 2
<b>Hoopstad, Hoopstad Dierekliniek</b>
Beef: 1
<b>Ladybrand, Ladybrand Dierekliniek</b>
Sheep: 2
<b>Wesselsbron, Wesselsbron Dierekliniek</b>
Beef: 1
<b>Kwazulu-Natal</b>
<b>Howick, Howick Veterinary Clinic</b>
Dairy: 2
<b>Western Cape</b>
<b>Malmesbury, Malmesbury Dierehospitaal</b>
Dairy: 3
<b>Stellenbosch, Stellenbosch Animal Hospital</b>
Dairy: 1
<b>Swellendam, Swellendam Dierehospitaal</b>
Dairy: 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 (10)	1.6 (5)	1.7 (3)	2.5 (4)	2.1 (17)	2.2 (10)	1.4 (5)	1.9 (7)	1.0 (1)

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

<b>Beef</b>	1.7 (7)	2.0 (1)	1.5 (2)	2.7 (3)	2.2 (10)	2.3 (7)	1.5 (2)	2.0 (2)	
<b>Dairy</b>		1.0 (1)			1.5 (2)	3.0 (1)	2.0 (1)	2.0 (3)	

Sheep	2.0 (3)	2.0 (2)	2.0 (1)	2.0 (1)	2.2 (5)	1.5 (2)	1.0 (2)	1.5 (2)	1.0 (1)
Goat		1.0 (1)							

### **Mpumalanga**

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

Beef: 2, Sheep: 2

#### **Ermelo, Mōregloed Veterinêre Spreekkamer**

Beef: 1

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

Beef: 2

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

Beef: 2, Sheep: 2

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

Beef: 1

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

Beef: 3

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

Beef: 1, Sheep: 2

### **Gauteng**

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

Dairy: 1

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

Goat: 1

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

Sheep: 2

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

Beef: 2, Sheep: 2

### **Limpopo**

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

Beef: 1

#### **Mokopane, Dr Henk Visser**

Beef: 2, Sheep: 2

### **North West**

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

Beef: 3

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

Beef: 2, Sheep: 2

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

Beef: 3

### **Free State**

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

Beef: 2, Dairy: 2, Sheep: 2

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

Beef: 2

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

Beef: 3

#### **Harrismith, Harrismith Dierehospitaal**

Beef: 3

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

Sheep: 3

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

Beef: 3, Dairy: 1, Sheep: 2

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

Beef: 2, Sheep: 2



**Reitz, Riemland Dierehospitaal**

Beef: 2

**Viljoenskroon, Viljoenskroon Dierekliniek**

Beef: 1

**Vrede, Saulshoek Dierepraktyk**

Beef: 2

**Wesselsbron, Wesselsbron Dierekliniek**

Beef: 2, Sheep: 2

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

Beef: 2

**Bergville, Tugela Vet Clinic**

Beef: 2

**Camperdown, Camperdown Vet Clinic**

Sheep: 1

**Dundee, Endumeni Herd health**

Beef: 2

**Howick, Howick Veterinary Clinic**

Beef: 3, Dairy: 3, Sheep: 2

**Mooi River, Mooirivier Vet Clinic**

Beef: 3

**Mtubatuba, Mtubatuba Animal Clinic**

Beef: 2

**Underberg, Underberg Veterinary Surgery**

Beef: 2

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

Beef: 2

**Alexandria, Riverview Trading Vet Consulting Services**

Dairy: 2

**Graaff-Reinet, Camdeboo Veterinary Clinic**

Sheep: 1

**Humansdorp, Humansdorp Veterinary Clinic**

Sheep: 1

**Uitenhage, Uitenhage Dierehospitaal**

Beef: 1

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

Beef: 2, Dairy: 2

**Moorreesburg, Tygerberg Moorreesburg**

Sheep: 2

**Stellenbosch, Stellenbosch Animal Hospital**

Beef: 2

**Swellendam, Swellendam Dierehospitaal**

Dairy: 2

**Worcester, Durban Straat Dierekliniek Worcester**

Dairy: 2, Sheep: 1

**Northern Cape****Kathu, Kathu Dierekliniek**

Sheep: 1

**Endometritis**

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

<b>Average</b>	2.0 (1)	2.0 (1)		2.0 (2)	3.0 (1)		2.4 (5)
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported							
<b>Beef</b>	2.0 (1)	2.0 (1)					2.0 (1)
<b>Dairy</b>				2.0 (2)	3.0 (1)		2.5 (4)

### Mpumalanga

#### Volksrust, Cape Cross Volksrust Dierehospitaal

Beef: 2

### Gauteng

#### Bronkhorstspuit, Kerkstraat Dierekliniek

Beef: 2

### Free State

#### Clocolan, Clocolan Dierekliniek

Dairy: 2

#### Kroonstad, Kroonstad Dierehospitaal

Dairy: 2

### Kwazulu-Natal

#### Howick, Howick Veterinary Clinic

Dairy: 3

### Western Cape

#### Caledon, Caledon Dierekliniek

Dairy: 3

#### Heidelberg (WC), Heidelberg Dierekliniek

Dairy: 2

#### Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 3

#### Swellendam, Swellendam Dierehospitaal

Dairy: 2

## Metritis ^

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)		2.7 (3)	1.5 (4)	2.0 (3)		2.4 (7)	

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

<b>Beef</b>	1.0 (1)	1.0 (1)		2.5 (2)	1.0 (1)	1.5 (2)		2.0 (1)	
<b>Dairy</b>					1.7 (3)	3.0 (1)		2.5 (6)	
<b>Sheep</b>				3.0 (1)					

### Mpumalanga

#### Balfour, Balfour Dierekliniek

Beef: 1

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

Beef: 1

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

Beef: 3, Sheep: 3

**Leeudoringstad, Leeudoringstad Dierekliniek**

Beef: 2

Metritis in positive trichomonosis herd

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

Dairy: 2

**Memel, Memel Veterinary Clinic**

Beef: 1

**Parys, Parys Dierehospitaal**

Dairy: 2

**Smithfield, Freestate Smithfield SV**

Dairy: 1

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

Dairy: 3

**Mooi River, Mooirivier Vet Clinic**

Beef: 1

**Underberg, Underberg Veterinary Surgery**

Beef: 2

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

Dairy: 3

**Darling, Tygerberg Dierehospitaal Darling**

Dairy: 3

**Malmesbury, Dr Otto Kriek**

Dairy: 3

**Malmesbury, Malmesbury Dierehospitaal**

Beef: 2, Dairy: 3

**Stellenbosch, Stellenbosch Animal Hospital**

Dairy: 1

**Swellendam, Swellendam Dierehospitaal**

Dairy: 2

**Poor conception**

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)		1.5 (2)	2.1 (8)	2.3 (4)	3.0 (2)	2.0 (2)	3.0 (1)

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

<b>Beef</b>	1.0 (2)	1.0 (1)		1.5 (2)	2.0 (7)	2.0 (3)	3.0 (1)		3.0 (1)
<b>Dairy</b>					3.0 (1)	3.0 (1)		2.0 (2)	

## Sheep

3.0 (1)

### **Mpumalanga**

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

Beef: 1

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

Beef: 1

### **Gauteng**

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

Beef: 1

Free martin

### **North West**

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

Beef: 1

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

Beef: 2

### **Free State**

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

Beef: 1

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

Beef: 3

#### **Harrismith, Harrismith Dierehospitaal**

Beef: 3

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

Beef: 2

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

Beef: 1

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

Dairy: 3

#### **Vrede, Saulshoek Dierepraktyk**

Beef: 3

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

Beef: 1

### **Kwazulu-Natal**

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

Beef: 2

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

Dairy: 3

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

Beef: 1

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

Beef: 3

### **Eastern Cape**

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

Beef: 3, Sheep: 3

### **Western Cape**

#### **Malmesbury, Invitrotech**

Dairy: 2

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

Dairy: 2

### **Northern Cape**

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

Beef: 3

Poor pregnancy rate due to drought

## Retained afterbirth [^](#)

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>	1.4 (5)	1.0 (1)			1.3 (3)	1.7 (3)		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>	1.3 (3)				1.5 (2)	1.0 (2)		2.0 (1)	
<b>Dairy</b>						3.0 (1)		2.7 (3)	
<b>Sheep</b>	2.0 (1)				1.0 (1)				
<b>Goat</b>	1.0 (1)	1.0 (1)							

### Mpumalanga

#### Balfour, Balfour Dierekliniek

Beef: 1, Goat: 1

#### Grootvlei, Grootvlei Dierekliniek

Beef: 1

#### Lydenburg, Longtom Dierekliniek

Beef: 2, Sheep: 2

### Gauteng

#### Hammanskraal, Themba Animal Clinic

Goat: 1

### Free State

#### Kroonstad, Kroonstad Dierehospitaal

Beef: 2

#### Wesselsbron, Wesselsbron Dierekliniek

Beef: 1, Sheep: 1

### Kwazulu-Natal

#### Camperdown, Camperdown Vet Clinic

Beef: 1

#### Howick, Howick Veterinary Clinic

Dairy: 3

#### Mooi River, Mooirivier Vet Clinic

Beef: 1

### Western Cape

#### Darling, Tygerberg Dierehospitaal Darling

Dairy: 3

#### Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 3

#### Swellendam, Swellendam Dierehospitaal

Dairy: 2

## Sheath Prolaps [^](#)

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

<b>Beef</b>	1.0 (1)	1.3 (4)	1.0 (1)
-------------	---------	---------	---------

#### Gauteng

##### Bronkhorstspuit, Kerkstraat Dierekliniek

Beef: 1

#### Free State

##### Harrismith, Harrismith Dierehospitaal

Beef: 1

##### Hoopstad, Hoopstad Dierekliniek

Beef: 2

##### Vrede, Saulshoek Dierepraktyk

Beef: 1

##### Wesselsbron, Wesselsbron Dierekliniek

Beef: 1

#### Kwazulu-Natal

##### Bergville, Bergville Veterinary Clinic

Beef: 1

### Uterus prolaps

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>	1.0 (2)				1.7 (11)	2.0 (5)		1.3 (6)	

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

<b>Beef</b>	1.0 (1)				1.6 (8)	2.3 (3)		1.3 (3)	
<b>Dairy</b>					2.0 (1)			1.5 (2)	
<b>Sheep</b>	1.0 (1)				2.0 (2)	1.5 (2)		1.0 (1)	

#### Mpumalanga

##### Bethal, Bethal Dierekliniek

Sheep: 1

##### Ermelo, Môregloed Veterinêre Spreekkamer

Beef: 1

#### Free State

##### Clocolan, Clocolan Dierekliniek

Beef: 2, Dairy: 2

##### Dewetsdorp, Platkop Dierekliniek

Beef: 1

##### Ficksburg, Oosvrystaat Dierse Produkte

Beef: 1

**Frankfort, Frankfort Dierekliniek**

Beef: 3

**Hoopstad, Hoopstad Dierekliniek**

Sheep: 2

**Kroonstad, Kroonstad Dierehospitaal**

Beef: 1, Sheep: 2

**Memel, Memel Veterinary Clinic**

Beef: 2

**Reitz, Riemland Dierehospitaal**

Beef: 2

**Wesselsbron, Wesselsbron Dierekliniek**

Beef: 1

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

Beef: 2

**Dundee, Endumeni Herd health**

Sheep: 1

**Eshowe, Eshowe Veterinary Hospital**

Beef: 3, Sheep: 2

Ballito

**Howick, Howick Veterinary Clinic**

Beef: 2

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

Beef: 1

**Heidelberg (WC), Heidelberg Dierekliniek**

Dairy: 1

**Malmesbury, Malmesbury Dierehospitaal**

Beef: 2, Dairy: 2

**Stellenbosch, Stellenbosch Animal Hospital**

Beef: 1

**Worcester, Durban Straat Dierekliniek Worcester**

Sheep: 1

**Vaginal (Cervical) prolaps**

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>	1.5 (4)	1.0 (1)	2.0 (1)		1.7 (10)	1.8 (6)		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>	1.7 (3)	1.0 (1)	2.0 (1)		1.6 (5)	1.8 (6)		1.0 (1)	
<b>Dairy</b>								1.0 (1)	
<b>Sheep</b>	1.0 (1)				1.8 (5)				

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

Sheep: 1

**Ermelo, Moregloed Veterinere Spreekkamer**

Beef: 1

**Grootvlei, Grootvlei Dierekliniek**

Beef: 2

**Volksrust, Cape Cross Volksrust Dierehospitaal**

Beef: 2

**Gauteng**

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

Beef: 1

**Limpopo**

**Mokopane, Dr Henk Visser**

Beef: 2

**Free State**

**Dewetsdorp, Platkop Dierekliniek**

Sheep: 1

**Frankfort, Frankfort Dierekliniek**

Beef: 2

**Harrismith, Harrismith Dierehospitaal**

Beef: 2

**Hoopstad, Hoopstad Dierekliniek**

Beef: 1, Sheep: 3

**Kroonstad, Kroonstad Dierehospitaal**

Beef: 1, Sheep: 2

**Memel, Memel Veterinary Clinic**

Sheep: 2

**Vrede, Saulshoek Dierepraktyk**

Beef: 2

**Wesselsbron, Wesselsbron Dierekliniek**

Sheep: 1

**Kwazulu-Natal**

**Bergville, Bergville Veterinary Clinic**

Beef: 2

**Dundee, Endumeni Herd health**

Beef: 2

**Eshowe, Eshowe Veterinary Hospital**

Beef: 2

**Howick, Howick Veterinary Clinic**

Beef: 2

**Mtubatuba, Mtubatuba Animal Clinic**

Beef: 2

**Pongola, Pongola Animal Clinic**

Beef: 1

**Western Cape**

**Malmesbury, Malmesbury Dierehospitaal**

Beef: 1, Dairy: 1

**Climatical Cause**

**Cold exposure**

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

### Mpumalanga

#### Standerton, Econovet

Sheep: 3

### Free State

#### Wesselsbron, Wesselsbron Dierekliniek

Sheep: 1

### Kwazulu-Natal

#### Howick, Howick Veterinary Clinic

Beef: 2

## Drought

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

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

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

### Eastern Cape

#### Steynsburg, Steynsburg Dierehospitaal

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

### Western Cape

#### Beaufort West, Beaufort Dierekliniek

Beef: 2, Sheep: 3

### Northern Cape

#### De Aar, De Aar Veterinary Clinic

Sheep: 3

Extremely dry west of Britstown, animals have to be fed

#### Postmasburg, Postmasburg Dierekliniek

Beef: 3, Sheep: 3, Goat: 3

## Residues

## Drug residues

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

**Goat** 2.0 (1)

**Eastern Cape**

**Graaff-Reinet, Camdeboo Veterinary Clinic**

Goat: 2

**Non specific diseases**

**Cause of death not established**

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

**Sheep** 2.0 (1)

**Free State**

**Villiers, Wilgepoort Dierkliniek Vennootskap**

Sheep: 2

**Preditors**

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)		3.0 (2)		

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

**Sheep** 2.0 (1) 3.0 (2) 3.0 (1)

**Goat** 3.0 (1)

**Mpumalanga**

**Lydenburg, Longtom Dierkliniek**

Sheep: 2

**Free State**

**Philippolis, Rowelsfontein veearts Spreekkamer**

Sheep: 3

**Villiers, Wilgepoort Dierkliniek Vennootskap**

Sheep: 3

**Eastern Cape**

**Steynsburg, Steynsburg Dierehospitaal**

Sheep: 3, Goat: 3

## Sabotage/Theft [^](#)

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

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

### Gauteng

#### Bronkhorstspuit, Kerkstraat Dierekliniek

Beef: 2

### Free State

#### Frankfort, Frankfort Dierekliniek

Beef: 3, Sheep: 3

#### Hoopstad, Hoopstad Dierekliniek

Sheep: 2

#### Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2, Sheep: 3

### Kwazulu-Natal

#### Bergville, Bergville Veterinary Clinic

Beef: 2

## Trauma [^](#)

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

<b>Average</b>		1.0 (4)	1.0 (1)		3.0 (1)			2.0 (2)	
----------------	--	---------	---------	--	---------	--	--	---------	--

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

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

### Gauteng

#### Bronkhorstspuit, Kerkstraat Dierekliniek

Beef: 1

#### Hammanskraal, Themba Animal Clinic

Beef: 1, Goat: 1

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

Beef: 1

Laceration

**Limpopo**

**Mokopane, Dr Henk Visser**

Goat: 1

**Free State**

**Vrede, Vrede Dierehospitaal**

Sheep: 3

20 Lambs trampled to death during transport on vehicle

**Western Cape**

**Beaufort West, Beaufort Dierekliniek**

Sheep: 1

**Malmesbury, Invitrotech**

Dairy: 3

10 cases slipped on cement; culled 5

**Traumatic Reticulo-pericarditis**

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

1.3 (3)

1.0 (1)

**Dairy**

1.0 (2)

**Free State**

**Harrismith, Harrismith Dierehospitaal**

Beef: 1

**Parys, Parys Dierehospitaal**

Beef: 1

**Villiers, Wilgepoort Dierekliniek Vennootskap**

Beef: 2

**Eastern Cape**

**Humansdorp, Humansdorp Veterinary Clinic**

Beef: 1

**Western Cape**

**Malmesbury, Invitrotech**

Dairy: 1

**Worcester, Durban Straat Dierekliniek Worcester**

Dairy: 1