

# 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

## July 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 (125) submitted reports during July 2019:

### **Mpumalanga (15)**

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  
Malalane – Drs. Van Sittert and Van Sittert  
Middelburg – Drs. Erasmus and Bernitz  
Middelburg – Dr. Neil Fourie  
Nelspruit – Dr. André Beytel  
Piet Retief – Dr. Niebuhr and Weber  
Standerton – Dr. Kobie Kroon  
Volksrust – Dr. Johan Blaauw

### **Gauteng (8)**

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

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

### **Limpopo (9)**

Bela-Bela (Warmbaths) – Dr. Nele Sabbe  
Bela-Bela – Drs. Malan, Hansen and Bester  
Modimolle (Nylstroom) – Drs. Huber, Bredell and Barnard  
Makhado (Louis Trichardt) – Drs. Harris, Klopper and Herbst  
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 (11)**

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 (20)**

Bethlehem – Drs. Du Plessis and Louw  
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  
Hertzogville – Dr. Nico Hendrikz  
Hoopstad – Dr. Kobus Pretorius  
Kroonstad – Drs. Daffue, Eksteen, Van Zyl and Van der Walt  
Memel – Drs. Nixon and Nixon  
Parys – Drs. Wessels and Wessels  
Philippolis – Dr. Stephan van Niekerk

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, Shrides 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)**

Adelaide – Dr. Steve Cockroft  
Alexandria - Dr. Johan Olivier  
Alexandria – Dr. Charlene Boy  
Aliwal North – Drs. Troskie and Strauss  
Bathurst – Dr. Jane Pistorius  
Graaff- Reinet - Dr. Roland Larson  
Humansdorp – Drs. Van Niekerk, Jansen Van Vuuren and Davis  
Jeffreys Bay – drs. Lategan, Hoek and McFarlane  
Kareedouw – Dr. Martin Bootsma  
Somerset East -  
Steynsburg – Dr. Johan van Rooyen  
Stutterheim – Dr Dave Watermann  
Uitenhage – Drs. Mulder and Krüger  
Witelsbos – Dr. Elmiën Kotze

**Western Cape (24)**

Beaufort West - Dr. Jaco Pienaar  
Beaufort West – Dr. Bennie Grobler

Caledon – Drs. Louw and Viljoen  
Caledon – Drs. Retief, Coetzer and Jansen  
Ceres – Drs. Pieterse, Wium, De Villiers and Scheepers  
Darling – Drs. Van der Merwe, Adam 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  
Malmesbury – Dr. Francois de Villiers  
Malmesbury – Dr. N.J. Heyns  
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

## **BIOSECURITY**

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

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

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

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

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

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

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

See what is happening with the worst outbreak of an animal disease in the world: Swine Fever

South Africa has one of the best biosecurity systems for swine in the world!

Outbreaks occurred in rural areas and pig auctions led to outbreaks in informal areas but due to compartments and excellent biosecurity of the commercial farmers, the disease has been contained although outbreaks still occur in the communal areas.

Communal farmers that occurred losses due to African swine fever were financially supported from statutory levy fund that was set up by commercial pig farmers.

Since April 2019 there have been fourteen reported outbreaks of African Swine Fever (ASF) in South Africa, all situated outside the ASF controlled area.

The following areas have been affected:

Date notified to the OIE	Locality	Province
10 April 2019	Zeerust area	North West Province
18 April 2019	Delmas area (a)	Mpumalanga Province
30 April 2019	Daveyton area	Gauteng Province
13 May 2019	Heilbron area	Free State Province
22 May 2019	Vanderbijlpark area	Gauteng Province
4 June 2019	Nigel area (a)	Gauteng Province
14 June 2019	Nigel area (b)	Gauteng Province
14 June 2019	Nigel area (c)	Gauteng Province
14 June 2019	Marikana area	North West Province
25 June 2019	Koppies area (a)	Free State Province
11 July 2019	Nigel area (d)	Gauteng Province
11 July 2019	Koppies area (b)	Free State Province
8 August 2019	Delmas area (b)	Mpumalanga Province
8 August 2019	Nigel area (e)	Gauteng Province

## OIE World wide situation of African Swine Fever

<https://www.oie.int/en/animal-health-in-the-world/animal-diseases/african-swine-fever/>

### Conclusion

The global pattern of distribution of ASF in this period reveals a serious deterioration due to the spread of the disease, mainly in Europe, and in Asia, after the first occurrence in China (People's Republic of) in 2018. In this context, the work of GF-TADs2 Global Steering Committee in empowering regional alliances in the fight against transboundary animal diseases (TADs), in providing capacity building and in assisting the countries establishing programmes for the prevention, preparedness and control is of pivotal importance for the control and eradication of the disease at global level. Member countries are reminded that the OIE Terrestrial Animal Health Code provides comprehensive guidance to veterinary authorities for establishing a country, zone and compartment free of African swine fever (ASF) as well as recommendations relating to the trade of pork and pork products. These products when, handled in accordance with hygienic practices complying with international standards, are not a source of infection. The OIE also encourages Member countries to implement enhanced national sanitary measures on waste disposal from aircrafts/vessels/passengers and enhanced on-farm biosecurity measures – including the protection of pigs from untreated swill feeding and the effective separation between domestic pigs and wild boar – and stresses the importance of OIE international standards for risk management of transboundary animal diseases (TADs) to reduce the risk of exporting disease to trading partners.

**Production animal farming should take lessons from this global outbreak and step up their own security measures at farm level.**

### Summary of disease report for July 2019

125 Reports from veterinary practices and laboratories were received (Mpumalanga (MP) 15; Gauteng (G) 8; Limpopo (L) 9; Northwest (NW) 11; Free State (FS) 20; KwaZulu-Natal (KZN) 13; Eastern Cape (EC) 13; Western Cape (WC) 24; 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
Abscesses	9
Diarrhoea	9
Poor conception	9
Roundworms	8
Anaplasmosis	8
<i>E. coli</i>	8
Orf	8
Protein deficiency	8
Abortions	8
Eye infections	8
Lameness	8
Lungs (pneumonia)	8
Mastitis	8
Dystocia	8
Metritis	8
Vaginal prolaps	8
Blue ticks	7

African red water	7
Pulpy kidney	7
Navel ill	7
Downer	7
Acidosis	7
Liver fluke	6
Coccidiosis	6
Mange mites	6
Asiatic red water	6
Trichomonosis	6
Vibriosis	6
Bovine brucellosis	6
Bovine malignant catthar (BMC) snotsiekte	6
Warts	6
Ringworm	6
Tulip poisoning	6
Calcium deficiency	6
Selenium deficiency	6
Stillbirths	6
Bloat	6
Blue udder	6
Joint ill	6
Sheath problems	6
Tapeworms	5



Conical fluke	5
Cryptosporidiosis	5
Bont-legged ticks	5
Heartwater	5
Blackquarter	5
IBR	5
Red gut (cattle)	5
Ovine brucellosis	5
Uterine problems	5
Retained afterbirth	5
Trauma (fractures)	5

## Bovine Brucellosis

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

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

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

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

It is available in English and Afrikaans.

# 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.

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

### **Vrywillige toetsprogramme**

Die Beesbrucelloseskema (R.2483 of 9 Dec 1988) word tans afgedwing. 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 brusellose in 'n beeskudde

Boerderypraktyke wat die gevaar van die voorkoms van brusellose verhoog

Pak brusellose by die horings

Brucellose kan jou lewe verwoes

Brusellose in wild

Bestuur van positiewe besmetlike misgeboorte beeste

Aankoop van beeste wat besmetlike misgeboorte het

Antwoorde oor brusellose

Behandeling van besmetlike misgeboorte

Besmetlike misgeboorte uitbreek in 'n kudde

Gevaar van brusellose onderskat

RB51-inenting teen brusellose in dragtige koeie

Alles oor Besmetlike Misgeboorte (BM)

Kompensasie vir BM en TB positiewe beeste?

Nóg vrae oor besmetlike misgeboorte

Koeie positief getoets vir besmetlike misgeboorte

Vrae, antwoorde oor besmetlike misgeboorte

Brucellose: Wat staan ons te doen?

## **Internal parasite control**

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

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

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

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



Eyeworm					X				
<i>Parafilaria</i>			X	X		X			
Tapeworms	X	X			X	X			X
Liver fluke	X			X	X	X		X	X
Conical fluke	X		X		X	X	X		
Cysticercosis (measles)					X	X			X
Schistosomiasis (bilharzia)									
Coccidiosis	X	X	X		X		X	X	
Cryptosporidiosis	X				X	X	X	X	

Internal parasite outbreaks have been reported from 9 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)

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

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

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

Prevention of Cryptosporidiosis

Since there is no vaccine or registered treatment for *Cryptosporidium*, prevention is the best control method. Animals with a 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	x	
Resistant blue ticks							x		
Heartwater ticks	x	x	x			x			
Brown ear-ticks	x					x			
Bont-legged ticks	x			x	x		x		x
Red-legged ticks		x		x	x				
Paralysis ticks							x		
Tampans									
Biting lice	x			x	x			x	
Sucking lice				x	x			x	x
Itch mites									
Sheep scab					x				x
Mange mites	x	x	x	x	x	x			
Nuisance flies					x	x			
Midges	x	x	x	x	x	x			



Mosquitoes									
Blowflies					X			X	
Screw-worm						X	X		
Gedoelestia (uitpeuloogsiekte)									
Nasal bot						X			

Even in the winter tick infestations were reported from most provinces. 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		
Anaplasmosis	X	X	X	X	X	X	X	X	
Heartwater	X	X	X			X	X		
Lumpy skin disease			X						
Corridor disease									
Theileriosis									

Asiatic red water (6 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 8 provinces.

Tick toxicosis

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

## Insect transmittable diseases

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

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

Insect transmittable diseases will increase after the first spring rain.

## Venerial diseases

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

Venereal diseases	MP	G	L	NW	FS	KZN	EC	WC	NC
Trichomonosis	x			x	x	x	x		x
Vibriosis	x			x	x	x	x	x	
Pizzle disease					x				

<i>Actinobacillus seminis</i> plus HPA									
--	--	--	--	--	--	--	--	--	--

New cases of **trichomonosis** are reported every month and this disease is out of control. **Make sure to buy bulls from farmers where biosecurity measures are in place and bulls are tested for these diseases at regular intervals. Trichomonosis were reported from 6 provinces.**

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

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

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

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

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

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

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

**Bacterial diseases**

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

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





BVD	X	X	X			X			
IBR		X	X	X	X	X			
BRSV			X			X			
PI3						X			
Maedi visna virus									
Rotavirus / Coronavirus	X					X	X		
Enzootic bovine leucosis (EBL)			X	X		X		X	
Sheep leucosis									
Jaagsiekte		X				X			
Orf	X	X	X	X	X	X		X	X
Warts	X		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 6 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	X	











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

Do have activated charcoal on the farm as the antidote for tulip poisoning! Dosage: 2 gram per Kg body weight, 1 Kg charcoal for 500kg animal. Toxic plants are sometimes eaten by young animals that do not know these plants. Be aware of this situation and know where these plants are growing on the farm.

## Nutritional deficiencies

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

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

## 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 mikrovertering 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 oorfloed 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 (±400 ronde bale van ±250kg 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 ±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, Dierevoeding. ([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	
Zinc						x			
Selenium	x		x	x		x	x		x
Magnesium									x
Manganese								x	
Vitamin A				x	x			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.



Mastitis	x	x	x	x	x	x	x	x	
Navel ill	x	x	x		x	x		x	x
Umbilical hernia									
Red gut (sheep, torsion of gut)	x				x			x	
Rectal prolaps									
Rumen stasis									
Abdominal impaction									
Abdominal hernia									
Floppy kid syndrome									
Swellsiekte									
Traumatic reticulo-pericarditis	x	x			x	x			
Trauma	x	x			x			x	
Teeth wear									
Plastic bags (ingestion)									
Downer	x	x	x		x	x		x	x
Anaphylactic shock									
Vestibular syndrome (middle ear infection)	x				x				
Hernia									
Deformaties									

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

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

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	
Ketosis (Domsiekte)	x				x	x		x	
Milk fever					x	x	x	x	

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

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

### Reproductive diseases

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

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

## Environmental conditions

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

## Other conditions

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

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

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

**PRECAUTIONARY MEASURES TO SUPPORT BIO-SECURITY.**

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

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

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

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

Have there been any recent disease outbreaks in the location?

Do brand marks clearly confirm ownership?

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

Is a veterinarian supported control program against transmittable diseases followed?

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

Dates and tests for zoonotic diseases

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

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

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

Visually inspect the animals before purchasing for:

\* brand marks

\* parasite infestation

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

Use only reputable transporters

Has the truck been cleaned and disinfected?

Truck to follow the shortest uninterrupted route

Truck to take the shortest route to the handling facilities

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

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

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

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

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

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

Inspect regularly

### **5. FEED PURCHASES**

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

Purchase feed from reputable dealers only

Avoid buying feed in second hand bags

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

### **6. VISITORS**

Do not allow strangers or their vehicles amongst the livestock

Ensure fences are well maintained and preferably jackal and warthog proof

### **7. EMPLOYEES**

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

## **GENERAL AND REPRODUCTION MANAGEMENT**

Record keeping: All animals are individually identified and recorded.  
To prove ownership: All animals are marked with the registered brand mark according to the Animal Identification Act, No 6 of 2002.  
A defined breeding season is the basis of effective management: The breeding season coincides with the rainy season, i.e. the period when nutritive value of the pasture is at its best.  
Sufficient energy reserves in the herd as measured by condition scoring are vital, especially for effective breeding, and when inadequate the herd is supplemented in consultation with a nutritionist: Condition scoring of bulls and cows are regularly done, particularly at the onset of the breeding season and supplemented if necessary.  
Bull - cow ratios are maintained: A ratio of 1 to 25 is maintained in every separate herd.  
Fertility of breeding bulls: All breeding bulls are tested for mating ability and semen quality before the breeding season.  
Sexually transferable diseases: Sheath washes or scrapes on bulls are performed annually.  
Diseases that can cause poor conception, abortion or weak calves: Cows are vaccinated against such diseases in consultation with the veterinarian.  
Breeding success monitored by a veterinarian: Rectal pregnancy or scan diagnosis is done by the veterinarian 8 weeks after the breeding season.  
Twenty percent of cows or more not pregnant: Further tests are done to determine cause of low pregnancy rate.  
Culling of non-pregnant cows: Non-pregnant cows are removed from the herd and considered a necessary bonus to supporting herd income.

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

Maintenance of herd health is key to a successful enterprise: A veterinarian should visit the farm bi-annually at least.  
Calf mortality before 3 months of age is an important reason for poor weaning percentage: Good management practices are applied to limit early calf deaths.  
Some diseases and parasites (internal and external) are more often encountered in specific areas: Annual vaccinations and a parasite control program should be applied according to regional requirements and in liaison with the veterinarian.  
Farmers selling weaned calves to feedlots may want to have a market advantage compared to others: A specific vaccination program is applied before weaning for that purpose.  
Herds may be at risk of being exposed to CA and TB: The herd is tested annually for CA and all heifers are vaccinated against CA between 4 and 8 months of age with an efficient, approved remedy. The herd is tested at least every 5 years for TB  
Precautionary measures are required to prevent diseases being imported into the herd: A quarantine program to keep incoming animals separate is followed. All incoming animals have a suitable certificate of negative test results or are of a certified clean, closed herd.

Stock remedies and medicines should be registered, correctly stored and used before the transpire date:  
All medicines and stock remedies are registered, stored and applied according to prescription.  
Prescribed medicines with a specific application are under the control of the veterinary profession: All  
prescription medicines are obtained and applied under prescription from a veterinarian.

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

Caledon – Drs. Drs. Louw and Viljoen  
Cape Town – Dr. Sophette Gers  
Magaliesburg – Dr. Ryan Jeffery  
Nelspruit – Dr. Silke Pfitzer  
Oudtshoorn – Dr. Glen Carlisle  
Plettenberg Bay – Dr. André Reitz  
Stutterheim – Dr. Dave Watermann  
Tulbagh - - Dr. Dirk Trichardt  
Vaalwater – Dr. Annemieke Müller  
Vryburg – Dr. Jurie Kritzinger

## **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**

### **Limpopo**

#### **Modimolle**

Sarcoid - 1

## **Game**

### **Mpumalanga**

#### **Lydenburg**

Wireworm – 2

Sarcoptes mites – 3

### **Gauteng**

#### **Pretoria**

Coccidiosis

### **Limpopo**

#### **Bela-Bela**

Resistant wireworm – 3

Blue ticks – 3

Phosphate deficiency – 3

Calcium deficiency – 2 Selenium deficiency - 3

Tapeworms – Impala, very poor condition, massive tapeworm infestation

Abscess – 3; Sable with jaw abscess; weak after treatment, died

Poaching – 2 rhino's -horns removed, died

Trauma – rhino's with stab wound after fighting (moved them after poaching incident)

### **North West**

#### **Christiana**

Rabies – 1 Black backed jackal

#### **Schweizer-Reneke**

Blue ticks – 2

Red-legged ticks

## **KwaZulu-Natal**

### **Pongola**

Theileriosis (Corridor disease) – 1

## **Western Cape**

### **Oudtshoorn**

BMC (snotsiekte) – 1

## **Northern Cape**

### **Kimberley**

Pneumonia – Springbok

Kidney damage – Sable with pigment nephrosis (Babesia?)

Cachexia – Sable suffering from cachexia and hypothermia

## **Swine**

### **Gauteng**

#### **Onderstepoort**

Fractures - 1

### **Western Cape**

#### **Darling**

Greasy Pig Disease – 3

Abscesses - 3

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

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

Respiratory tract disease in cattle yielded *Pasteurella multocida* [22], *Mannheimia haemolytica* [22], *Trueperella pyogenes* [6], *Histophilus somni* [14] and *Mycoplasma* [13]. *Bibersteinia trehalosi* [was *Mannheimia haemolytica* T] was responsible for pneumonia in a sheep, and pneumonia in goats was caused by *Histophilus somni* and by *Klebsiella pneumoniae*.

Bovine mastitis yielded *Klebsiella pneumoniae* in one case, and *Streptococcus dysgalactiae* in another.

Calf enteritis was caused by *E. coli* [11], two of which were positive for *Cryptosporidium* in addition, and 3 of the *E. coli* were also ESBL [extended spectrum beta lactamase] positive, and were usually MDR strains as well. Multiple Drug Resistant strains are resistant to 3 or more groups of the antibiotics suitable for treating the particular condition.

Paratyphoid in calves was caused by *Salmonella* Dublin [1] and *Salmonella* Typhimurium [1]. Other septicaemias in calves were due to *E. coli*, *Actinomyces bovis* and *Streptococcus suis*.

Other conditions in cattle were gangrenous myositis, due to *Clostridium chauvoei* [3] and *Clostridium novyi* [4].

Lamb and kid enteritis was also associated with *E. coli* [2].

Suspected *Coxiella* caused abortion in a goat.

There was one case of porcine enteritis due to *E. coli*. Porcine septicaemia was due to *Salmonella* Typhimurium and *E. coli*.

A nasal discharge from a cheetah yielded *Cryptococcus neoformans*, and a pangolin had pneumonia due to *Klebsiella pneumoniae*.

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

Condition	Comments and Specie
Liver fluke worms	B 3
<i>Parafilaria</i>	B 3
Biting lice	B 3
Sucking lice	B 3
Asiatic red water	B 1
Anaplasmosis	B 3
Blackleg	B 2
Swlld head	O 1
Red gut	B 3
Blood gut	O 3
Pulpy kidney	O 1
Haemorrhagic septicaemia ( <i>Pasterella multocida</i> B)	B 1
<i>E. coli</i>	B 3

Ringworm	B 3
IBR	B 3
Warts	B 3
Orf	O 3
Urea poisoning	B 1
Protein deficiency	B 3
Energy deficiency	B 3, O 3
Phosphate deficiency	B 3
Vitamin A deficiency	O 3
Lantana	B 3
Acidosis	B 3, O 3
Dystocia	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: anaplasmosis, pneumonia, pulpy kidney, acidosis	B, O

**Monthly report for July 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>
Bovine, Calf	E.coli leptomeningitis	1	East Griqualand, E.Cape
Bovine, Adult	Streptococcus suis pneumonia	1	Newcastle, KZN
Bovine, Calves	Salmonella dublin - calf paratyphoid	1	Estcourt, KZN
Bovine, Calves	Salmonella pneumonia	1	Howick, KZN
Bovine, Adult Dairy	Enzootic Bovine Leukosis	1	Potchefstroom, North West

<b>WILDLIFE DISEASE SURVEILANCE</b>			
<b>WILDLIFE SPECIES</b>	<b>DISEASE AGENT</b>	<b>NO. CASES</b>	<b>LOCATION</b>
Black Rhino, Adult	Filarial skin disease	1	Nelspruit, Mpumulanga
Wilbebeest, Adult	Myocardial fibrosis	1	Nelspruit, Mpumulanga
Sable, Adult cow	Clostridial enteritis	1	Rheebeekstad, Free State
Buffalo, Adult Cow	Clostridial enteritis	1	Tulbach, W.Cape

**Monthly report on Livestock and Wildlife isolations for July 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>
Red-legged tick	E 1
Pasteurellosis	Game
Equine sarcoid	E 1
Abortion	B, O 1
Lung infection (bacterial)	B 2
Diarrhoea bacterial enteritis	B, O 1



Section of Pathology  
Department of Paraclinical Sciences  
Faculty of Veterinary Science

26<sup>th</sup> July 2019  
DAFF  
Import/Export Policy Unit Subdirector

Monthly report: Faculty of Veterinary Science cases  
Wildlife cases sent to referring veterinarians between 30<sup>th</sup> June and 26<sup>th</sup> July 2019

Cases from State vet Skukuza or Orpen

Cases imported with master permit (none)

PMDate	Species	Final	Histo No
24-Apr-19	Cheetah	Chronic renal disease, pyelonephritis	S1374-19
25-Apr-19	Leopard	Pentastomiasis	S1389-19
04-Jun-19	Cheetah	Ulcerative gastritis	S1836-19
06-Jun-19	Lion	Age-related reproductive tract lesions	S1871-19
09-Jun-19	African Black footed Cat	Gastritis	S1884-19
13-Jun-19	African Elephant	Suspected tuberculosis	S1952-19
25-Jun-19	Cheetah	Salmonella enteritidis septicaemia	S2081-19
25-Jun-19	Caracal	Renal amyloidosis	S2080-19
28-Jun-19	African Buffalo	Traumatic reticulopericarditis and pleuritis	S2113-19
28-Jun-19	Nile Crocodile	Complications of skin injury	S2119-19

Kind regards,

## DISEASE DISTRIBUTION REPORT AS REPORTED BY VETERINARIANS

Month:

Jul 2019

[Table of Contents](#)

<b><u>Internal Parasites</u></b>	<a href="#">Roundworms in general</a> , <a href="#">Resistant Round Worms</a> , <a href="#">Wireworm</a> , <a href="#">Brown stomach-worm</a> , <a href="#">Eye worm (<i>Thelazia rhodesii</i>)</a> , <a href="#">Tape Worms</a> , <a href="#">Parafilaria</a> , <a href="#">Liver fluke</a> , <a href="#">Conical Flukes</a> , <a href="#">Cysticercosis</a> , <a href="#">Other</a>
<b><u>External Parasites</u></b>	<a href="#">Blue ticks</a> , <a href="#">Resistant blue Ticks</a> , <a href="#">Heartwater (Bont) ticks</a> , <a href="#">Brown ear-ticks</a> , <a href="#">Bont-legged ticks</a> , <a href="#">Red-legged ticks</a> , <a href="#">Paralysis ticks</a> , <a href="#">Biting lice (red lice)</a> , <a href="#">Sucking lice (blue lice)</a> , <a href="#">Scab mites</a> , <a href="#">Mange Mites</a> , <a href="#">Nuisance Flies</a> , <a href="#">Blowflies</a> , <a href="#">Screw-worm</a> , <a href="#">Nasal bot larvae</a>
<b><u>Tick-borne Diseases</u></b>	<a href="#">African red water</a> , <a href="#">Asiatic red water</a> , <a href="#">Anaplasmosis</a> , <a href="#">Heartwater</a> , <a href="#">Sweating Sickness</a>
<b><u>Insect Transmittable Diseases</u></b>	<a href="#">Lumpy skin disease</a> , <a href="#">Three-day-stiffsickness</a> , <a href="#">Blue tongue</a> , <a href="#">Naqana</a>
<b><u>Venereal Diseases</u></b>	<a href="#">Trichomonosis</a> , <a href="#">Vibriosis</a> , <a href="#">Pizzle disease</a>
<b><u>Bacterial Disease (other)</u></b>	<a href="#">Blackquarter</a> , <a href="#">Botulism</a> , <a href="#">Pulpy Kidney</a> , <a href="#">Lamb dysentery</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="#">Septicaemia</a> , <a href="#">E. coli</a> , <a href="#">Dermatophilosis (Lumpy Wool)</a> , <a href="#">Intrauterine Gangrene</a> , <a href="#">Fusibacterium necrophorum</a> , <a href="#">Listeriosis</a> , <a href="#">Other</a> , <a href="#">Pasteurellosis</a> , <a href="#">Klebsiella</a>
<b><u>Protozoal diseases (other)</u></b>	<a href="#">Coccidiosis</a> , <a href="#">Cryptosporidium</a>
<b><u>Fungal diseases</u></b>	<a href="#">Ringworm</a>
<b><u>Viral Diseases (other)</u></b>	<a href="#">BMC</a> , <a href="#">BVD (Bovine viral diarrhoea)</a> , <a href="#">IBR (Infectious bovine rhinotracheitis)</a> , <a href="#">BRSV (Bovine respiratory syncytial virus)</a> , <a href="#">PI3</a> , <a href="#">Enzootic Bovine Leucosis (EBL)</a> , <a href="#">Jaagsiekte</a> , <a href="#">Orf</a> , <a href="#">Warts</a> , <a href="#">Rota virus</a> , <a href="#">Corona Virus</a>
<b><u>Poisonings (Plant) and Fungal</u></b>	<a href="#">Cardiac glycoside poisoning</a> , <a href="#">Cestrum</a> , <a href="#">Cynanchum poisoning</a> , <a href="#">Facial eczema</a> , <a href="#">Geeldikkop/Dikoor</a> , <a href="#">Gousiekte</a> , <a href="#">Lantana</a> , <a href="#">Lupine Poisoning</a> , <a href="#">Nitrate poisoning</a> , <a href="#">Tulip Poisoning</a> , <a href="#">Mycotoxicosis</a> , <a href="#">Diplodiosis</a> , <a href="#">Other</a>
<b><u>Poisonings</u></b>	<a href="#">Urea Poisoning</a> , <a href="#">Copper Poisoning</a> , <a href="#">Chemical products</a> , <a href="#">Other</a>
<b><u>Macro Nutritional Problems</u></b>	<a href="#">Energy deficiency</a> , <a href="#">Protein deficiency</a> , <a href="#">Phosphate deficiency</a> , <a href="#">Calcium deficiency</a>
<b><u>Micro Nutritional Problems</u></b>	<a href="#">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="#">Iodine deficiency</a> , <a href="#">Vitamin A deficiency</a> , <a href="#">Vitamin B deficiency</a>
<b><u>Multi-factorial Disease Conditions</u></b>	<a href="#">Abortions</a> , <a href="#">Stillbirths</a> , <a href="#">Abscesses</a> , <a href="#">Abscesses in general</a> , <a href="#">Bladder stones</a> , <a href="#">Blindness</a> , <a href="#">Bloat</a> , <a href="#">Blue udder</a> , <a href="#">Diarrhoea</a> , <a href="#">Epididymitis</a> , <a href="#">Eye Cancer</a> , <a href="#">Eye infections</a> , <a href="#">Joint Ill</a> , <a href="#">Lameness/Foot Problems</a> , <a href="#">Lung infection</a> , <a href="#">Mastitis in general</a> , <a href="#">Navel Ill</a> , <a href="#">Redgut (Sheep)</a> , <a href="#">Trauma</a> , <a href="#">Downer</a> , <a href="#">Other</a> , <a href="#">Vestubular syndrome (Middle ear infection)</a>
<b><u>Metabolic Diseases</u></b>	<a href="#">Acidosis</a> , <a href="#">Displaced abomasum</a> , <a href="#">Ketosis</a> , <a href="#">Milk Fever</a>

<b><u>Reproductive diseases</u></b>	<a href="#">Dystocia (Difficult Births)</a> , <a href="#">Endometritis</a> , <a href="#">Metritis</a> , <a href="#">Poor conception</a> , <a href="#">Retained afterbirth</a> , <a href="#">Sheath Prolaps</a> , <a href="#">Uterus prolaps</a> , <a href="#">Vaginal (Cervical) prolaps</a>
<b><u>Climatical Cause</u></b>	<a href="#">Cold exposure</a> , <a href="#">Drought</a>
<b><u>Non specific diseases</u></b>	<a href="#">Cause of death not established</a> , <a href="#">Predators</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>	1.0 (1)	1.5 (2)	1.7 (3)	2.0 (1)	2.0 (4)	1.4 (9)	1.5 (2)	2.5 (2)	

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

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

#### Mpumalanga

##### Middelburg , Middelburg Dierehospitaal

Sheep: 1

#### Gauteng

##### Pretoria, Anima Veterinary Consulting Rooms

Sheep: 2

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

Goat: 1

#### Limpopo

##### Bela-Bela, Warmbad Dierekliniek

Sheep: 3

##### Polokwane, Pietersburg Veterinary Clinic

Sheep: 1, Goat: 1

#### North West

##### Christiana, Christiana Dierehospitaal

Sheep: 2

#### Free State

##### Clocolan, Clocolan Dierekliniek

Sheep: 1

##### Hoopstad, Hoopstad Dierekliniek

Sheep: 3

##### Kroonstad, Kroonstad Dierehospitaal

Sheep: 2

##### Vrede, Saulshoek Dierepraktyk

Beef: 2



## Kwazulu-Natal

### Bergville, Tugela Vet Clinic

Beef: 1, Sheep: 1, Goat: 1

### Mooi River, Mooirivier Vet Clinic

Beef: 1, Sheep: 2

### Mtubatuba, Mtubatuba Animal Clinic

Beef: 2, Goat: 2

### Pietermaritzburg, Veterinary House Hospital

Beef: 1

### Underberg, Underberg Veterinary Surgery

Sheep: 2

## Eastern Cape

### Uitenhage, Uitenhage Dierehospitaal

Sheep: 1

### Witelsbos, Witelsbos Veterinary Consulting Rooms

Goat: 2

## Western Cape

### George, George Animal Hospital

Sheep: 3

### Heidelberg (WC), Heidelberg Dierekliniek

Sheep: 2

## Resistant Round Worms

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

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

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

### Pretoria, Anima Veterinary Consulting Rooms

Sheep: 2

## Limpopo

### Bela-Bela, Warmbad Dierekliniek

Sheep: 3

## Free State

### Hoopstad, Hoopstad Dierekliniek

Sheep: 3

## Western Cape

### George, George Animal Hospital

Sheep: 3

## Wireworm

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)	2.3 (4)	1.6 (5)	3.0 (1)	1.5 (4)	2.0 (1)	1.8 (4)
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Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

<b>Beef</b>			2.0 (1)				
<b>Sheep</b>	2.5 (2)	2.5 (2)	1.5 (2)	3.0 (1)	1.5 (4)	2.0 (1)	1.8 (4)
<b>Goat</b>	2.0 (1)	2.0 (2)	1.5 (2)				

### **Mpumalanga**

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

Sheep: 3

#### **Malelane, Malelane Dierekliniek**

Goat: 2

Three died

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

Sheep: 2

### **Gauteng**

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

Sheep: 3, Goat: 2

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

Sheep: 2, Goat: 2

### **Limpopo**

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

Beef: 2, Sheep: 2, Goat: 2

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

Sheep: 1, Goat: 1

### **North West**

#### **Potchefstroom, Morvet**

Sheep: 3

Suspected L 4 stages after warm weather.

### **Free State**

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

Sheep: 1

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

Sheep: 3

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

Sheep: 1

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

Sheep: 1

### **Kwazulu-Natal**

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

Sheep: 2

### **Western Cape**

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

Sheep: 1

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

Sheep: 3

#### **Riversdale, Riversdal Dierekliniek**

Sheep: 2

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

Sheep: 1

Brown stomach-worm									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>								1.5 (2)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
<b>Sheep</b>								1.5 (2)	
<b>Western Cape</b>									
<b>Heidelberg (WC), Heidelberg Dierekliniek</b>									
Sheep: 2									
<b>Stellenbosch, Stellenbosch Animal Hospital</b>									
Sheep: 1									
Eye worm ( <i>Thelazia rhodesii</i> )									
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)				
<b>Free State</b>									
<b>Wesselsbron, Wesselsbron Dierekliniek</b>									
Beef: 1									
Tape Worms									
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)			1.5 (2)	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									
<b>Beef</b>	1.0 (2)								
<b>Dairy</b>						2.0 (1)			
<b>Sheep</b>	1.0 (1)	2.0 (1)			1.5 (2)	2.0 (1)			
<b>Goat</b>									2.0 (1)
<b>Mpumalanga</b>									
<b>Balfour, Balfour Dierekliniek</b>									

Sheep: 1

**Hendrina, Mooiplaas Veterinêre Dienste**

Beef: 1

**Middelburg , Middelburg Dierehospitaal**

Beef: 1

**Gauteng**

**Pretoria, Anima Veterinary Consulting Rooms**

Sheep: 2

**Free State**

**Clocolan, Clocolan Dierekliniek**

Sheep: 1

**Kroonstad, Kroonstad Dierehospitaal**

Sheep: 2

**Kwazulu-Natal**

**Underberg, Underberg Veterinary Surgery**

Dairy: 2, Sheep: 2

**Northern Cape**

**Postmasburg, Postmasburg Dierekliniek**

Goat: 2

**Parafilaria**

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

**Bela-Bela, Warmbad Dierekliniek**

Beef: 1

**North West**

**Brits, Brits Dierekliniek**

Beef: 2

**Stella, Stella Dierekliniek**

Beef: 1

**Kwazulu-Natal**

**Mtubatuba, Mtubatuba Animal Clinic**

Beef: 1

**Liver fluke**

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)	1.0 (3)	2.0 (8)		1.5 (4)	2.0 (1)

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

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

### Mpumalanga

#### Grootvlei, Grootvlei Dierekliniek

Beef: 2

#### Lydenburg, Lydenburg Dieresprekkamer

Beef: 1

#### Standerton, Econovet

Beef: 2

### North West

#### Klerksdorp, Klerksdorp Dierehospitaal

Beef: 2

### Free State

#### Bethlehem, Union Street Animal Consulting Rooms

Beef: 1

#### Clocolan, Clocolan Dierekliniek

Beef: 1

#### Vrede, Saulshoek Dierpraktijk

Beef: 1

### Kwazulu-Natal

#### Bergville, Tugela Vet Clinic

Beef: 1

#### Estcourt, Estcourt Vet Clinic

Dairy: 2

#### Howick, Howick Veterinary Clinic

Beef: 2, Dairy: 2

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

Sheep: 2

#### Underberg, Underberg Veterinary Surgery

Beef: 2, Dairy: 2

#### Vryheid, Vryheid Privaat Veeartse

Beef: 3

### Western Cape

#### Beaufort West, Beaufort West State Vet

Sheep: 1

Sheep moved to Boland as a result of drought, many deaths before necropsies were performed

#### Caledon, Overberg Veterinary Hospital

Beef: 2

#### George, George Animal Hospital

Beef: 2

#### Stellenbosch, Stellenbosch Animal Hospital

Beef: 1

### Northern Cape

#### Postmasburg, Postmasburg Dierekliniek

Sheep: 2

## Conical Flukes ^

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
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<b>Average</b>	1.7 (3)	1.0 (1)	1.3 (3)	2.3 (6)	2.3 (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>	1.7 (3)	1.0 (1)	1.0 (2)	2.7 (3)	2.0 (2)
<b>Dairy</b>				2.0 (2)	3.0 (1)
<b>Sheep</b>			2.0 (1)	2.0 (1)	

### Mpumalanga

#### Balfour, Balfour Dierekliniek

Beef: 2

#### Hendrina, Mooiplaas Veterinêre Dienste

Beef: 1

#### Volkstrust, Cape Cross Volksrust Dierehospitaal

Beef: 2

### Limpopo

#### Bela-Bela, Warmbad Dierekliniek

Beef: 1

### Free State

#### Ficksburg, Oosvrystaat Diere Produkte

Beef: 1

#### Kroonstad, Kroonstad Dierehospitaal

Sheep: 2

#### Wesselsbron, Wesselsbron Dierekliniek

Beef: 1

### Kwazulu-Natal

#### Estcourt, Estcourt Vet Clinic

Dairy: 2

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

Sheep: 2

#### Pietermaritzburg, Veterinary House Hospital

Beef: 3

#### Underberg, Underberg Veterinary Surgery

Beef: 2, Dairy: 2

#### Vryheid, Vryheid Privaat Veeartse

Beef: 3

### Eastern Cape

#### Alexandria, Alexandria Platteland Spreekkamer

Beef: 2

#### Aliwal North, Hertzogbrug Dierekliniek

Beef: 2

#### Jeffreys Bay, Cape Cross Veterinary Hospital

Dairy: 3

## Cysticercosis



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

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

#### Free State

##### Kroonstad, Kroonstad Dierehospitaal

Beef: 1

#### Kwazulu-Natal

##### Estcourt, Estcourt Vet Clinic

Sheep: 1

##### Pietermaritzburg, Veterinary House Hospital

Beef: 3

#### Northern Cape

##### Kimberley, Kimberley Dierekliniek

Beef: 2

##### Postmasburg, Postmasburg Dierekliniek

Sheep: 2

### Other ^

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>Sheep</b>								3.0 (1)	
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#### Western Cape

##### Swellendam, Swellendam Dierehospitaal

Sheep: 3

### External Parasites

#### Blue ticks ^

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>	2.0 (6)	2.0 (1)	2.0 (1)		2.1 (9)	2.0 (9)	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 (6)	2.0 (1)	2.0 (1)		2.0 (8)	2.0 (7)	2.0 (5)	3.0 (1)	
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Dairy

2.0 (2)

Sheep

3.0  
(1)

### **Mpumalanga**

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

Beef: 1

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

Beef: 2

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

Beef: 2

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

Beef: 2

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

Beef: 2

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

Beef: 3

### **Gauteng**

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

Beef: 2

### **Limpopo**

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

Beef: 2

### **Free State**

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

Beef: 2

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

Beef: 1

#### **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: 2

#### **Vrede, Saulshoek Dierepraktyk**

Beef: 2

### **Kwazulu-Natal**

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

Beef: 3

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

Beef: 1

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

Beef: 2, Dairy: 2

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

Beef: 1

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

Beef: 2

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

Beef: 3

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

Beef: 2, Dairy: 2



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

Beef: 3

Due to warm weather still high tick numbers

**Alexandria, Alexandria Platteland Spreekkamer**

Beef: 2

**Aliwal North, Hertzogbrug Dierekliniek**

Beef: 2

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

Beef: 2

**Humansdorp, Humansdorp Veterinary Clinic**

Beef: 1

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

Beef: 3

**Resistant blue Ticks**

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

Beef: 1

**Heartwater (Bont) ticks**

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>	2.7 (3)	2.2 (5)	1.0 (3)			2.1 (7)			

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

<b>Beef</b>	3.0 (2)	2.0 (2)	1.0 (1)			2.3 (4)			
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<b>Sheep</b>		2.0 (2)	1.0 (1)			2.0 (1)			
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<b>Goat</b>	2.0 (1)	3.0 (1)	1.0 (1)			2.0 (2)			
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**Mpumalanga****Lydenburg, Lydenburg Dieresprekkamer**

Beef: 3

**Nelspruit, Nelspruit Animal Hospital**

Beef: 3, Goat: 2

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

Beef: 2, Sheep: 2, Goat: 3

**Pretoria, Anima Veterinary Consulting Rooms**

Beef: 2, Sheep: 2

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

Beef: 1, Sheep: 1, Goat: 1

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

Beef: 3

**Estcourt, Estcourt Vet Clinic**

Beef: 2

**Mtubatuba, Mtubatuba Animal Clinic**

Beef: 2, Goat: 2

**Pongola, Pongola Animal Clinic**

Beef: 2, Sheep: 2, Goat: 2

**Brown ear-ticks**

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

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

<b>Beef</b>	1.0 (1)					3.0 (1)			
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**Mpumalanga****Lydenburg, Longtom Dierekliniek**

Beef: 1

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

Beef: 3

**Bont-legged ticks**

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

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

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

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

Beef: 2

**Lydenburg, Lydenburg Dieresprekkamer**

Beef: 2

## North West

### Christiana, Christiana Dierehospitaal

Beef: 3

### Klerksdorp, Klerksdorp Dierehospitaal

Beef: 2

## Free State

### Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

## Eastern Cape

### Aliwal North, Hertzogbrug Dierekliniek

Beef: 1

### Steynsburg, Steynsburg Dierehospitaal

Beef: 3, Sheep: 3, Goat: 3

## Northern Cape

### Postmasburg, Postmasburg Dierekliniek

Dairy: 2

## Red-legged ticks

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

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

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

## Gauteng

### Hammanskraal, Themba Animal Clinic

Beef: 2

## North West

### Christiana, Christiana Dierehospitaal

Beef: 3

## Free State

### Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

### Memel, Memel Veterinary Clinic

Beef: 2, Sheep: 1

### Parys, Parys Dierehospitaal

Sheep: 2

## Paralysis ticks

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

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

**Sheep** 3.0 (1)

**Eastern Cape**

**Steynsburg, Steynsburg Dierehospitaal**

Sheep: 3

**Biting lice (red lice)**

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>	2.5 (2)			3.0 (1)	2.7 (6)			2.0 (5)	

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

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

**Mpumalanga**

**Standerton, Econovet**

Beef: 3, Sheep: 2

**North West**

**Leeudoringstad, Leeudoringstad Dierekliniek**

Beef: 3

**Free State**

**Clocolan, Clocolan Dierekliniek**

Beef: 3

**Dewetsdorp, Platkop Dierekliniek**

Beef: 3

**Hoopstad, Hoopstad Dierekliniek**

Beef: 3

**Kroonstad, Kroonstad Dierehospitaal**

Beef: 2, Sheep: 2

**Smithfield, Freestate Smithfield SV**

Sheep: 3

Sheep with lice in Zastron

**Western Cape**

**Caledon, Overberg Veterinary Hospital**

Sheep: 2

**Darling, Tygerberg Dierehospitaal Darling**

Sheep: 3

**Malmesbury, Malmesbury Dierehospitaal**

Beef: 2, Sheep: 2

**Oudtshoorn, Ostrimed**

Goat: 1

**Sucking lice (blue lice)**

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>				2.5 (2)	2.0 (2)			1.7 (3)	3.0 (1)
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
<b>Beef</b>				2.5 (2)	3.0 (1)			2.0 (1)	
<b>Sheep</b>								2.0 (1)	
<b>Goat</b>					1.0 (1)			1.0 (1)	3.0 (1)

#### North West

##### Brits, Brits Dierekliniek

Beef: 2

##### Leeudoringstad, Leeudoringstad Dierekliniek

Beef: 3

#### Free State

##### Hoopstad, Hoopstad Dierekliniek

Beef: 3

##### Kroonstad, Kroonstad Dierehospitaal

Goat: 1

#### Western Cape

##### Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Sheep: 2

##### Oudtshoorn, Ostrimed

Goat: 1

#### Northern Cape

##### Postmasburg, Postmasburg Dierekliniek

Goat: 3

## Scab mites



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

#### Free State

##### Smithfield, Freestate Smithfield SV

Sheep: 3

Kopanong; 600 sheep treated

#### Northern Cape

##### Colesberg, Karoo Veterinary Hospital

Sheep: 3

Dorpers

**De Aar, De Aar Veterinary Clinic**

Sheep: 1

Reported from Hanover area

**Mange Mites**

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

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

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

**Mpumalanga**

**Balfour, Balfour Dierekliniek**

Beef: 1

**Gauteng**

**Hammanskraal, Themba Animal Clinic**

Goat: 2

**Limpopo**

**Bela-Bela, Warmbad Dierekliniek**

Beef: 3, Sheep: 3

**North West**

**Christiana, Christiana Dierehospitaal**

Beef: 2

Sarcoptes mites

**Free State**

**Ladybrand, Ladybrand Dierekliniek**

Beef: 3

**Kwazulu-Natal**

**Estcourt, Estcourt Vet Clinic**

Sheep: 1

**Nuisance Flies**

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)			

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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<b>Sheep</b>						<b>3.0 (1)</b>			
<b>Free State</b>									
<b>Hoopstad, Hoopstad Dierekliniek</b>									
Sheep: 3									
<b>Kwazulu-Natal</b>									
<b>Bergville, Bergville Veterinary Clinic</b>									
Beef: 3									
<b>Blowflies</b>									
<b>PROVINCE</b>	<b>Mpumalanga</b>	<b>Gauteng</b>	<b>Limpopo</b>	<b>North West</b>	<b>Free State</b>	<b>Kwazulu-Natal</b>	<b>Eastern Cape</b>	<b>Western Cape</b>	<b>Northern Cape</b>
<b>Average</b>					<b>2.0 (2)</b>			<b>2.0 (1)</b>	
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>					<b>2.0 (2)</b>			<b>2.0 (1)</b>	
<b>Free State</b>									
<b>Hoopstad, Hoopstad Dierekliniek</b>									
Sheep: 3									
<b>Wesselsbron, Wesselsbron Dierekliniek</b>									
Sheep: 1									
<b>Western Cape</b>									
<b>Heidelberg (WC), Heidelberg Dierekliniek</b>									
Sheep: 2									
<b>Screw-worm</b>									
<b>PROVINCE</b>	<b>Mpumalanga</b>	<b>Gauteng</b>	<b>Limpopo</b>	<b>North West</b>	<b>Free State</b>	<b>Kwazulu-Natal</b>	<b>Eastern Cape</b>	<b>Western Cape</b>	<b>Northern Cape</b>
<b>Average</b>						<b>1.0 (1)</b>	<b>1.0 (1)</b>		
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>							<b>1.0 (1)</b>		
<b>Dairy</b>						<b>1.0 (1)</b>			
<b>Kwazulu-Natal</b>									
<b>Camperdown, Camperdown Vet Clinic</b>									
Dairy: 1									
<b>Eastern Cape</b>									
<b>Alexandria, Alexandria Platteland Spreekkamer</b>									
Beef: 1									
<b>Nasal bot larvae</b>									

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 (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>Sheep</b>						2.0 (1)			
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<b>Goat</b>						2.0 (1)			
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### Kwazulu-Natal

#### Eshowe, Eshowe Veterinary Hospital

Goat: 2

Five cases

#### Estcourt, Estcourt Vet Clinic

Sheep: 2

## Tick-borne Diseases

### African red water

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
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<b>Average</b>	1.7 (3)	1.0 (1)	1.0 (2)	1.0 (1)		1.8 (8)	2.0 (3)	1.0 (2)	
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Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

<b>Beef</b>	1.7 (3)	1.0 (1)	1.0 (2)	1.0 (1)		1.7 (6)	2.0 (3)	1.0 (1)	
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<b>Dairy</b>						2.0 (2)		1.0 (1)	
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### Mpumalanga

#### Lydenburg, Longtom Dierekliniek

Beef: 2

#### Middelburg, Middelburg Dierehospitaal

Beef: 2

#### Volksrust, Cape Cross Volksrust Dierehospitaal

Beef: 1

### Gauteng

#### Hammanskraal, Themba Animal Clinic

Beef: 1

### Limpopo

#### Bela-Bela, Warmbad Dierekliniek

Beef: 1

#### Polokwane, Pietersburg Veterinary Clinic

Beef: 1

### North West

#### Stella, Stella Dierekliniek

Beef: 1

### Kwazulu-Natal

#### Bergville, Bergville Veterinary Clinic

Beef: 2

#### Camperdown, Camperdown Vet Clinic

Beef: 1



**Dundee, Endumeni Herd health**

Dairy: 2

**Estcourt, Estcourt Vet Clinic**

Dairy: 2

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

Beef: 2

**Mooi River, Mooirivier Vet Clinic**

Beef: 1

**Mtubatuba, Mtubatuba Animal Clinic**

Beef: 2

**Pietermaritzburg, Veterinary House Hospital**

Beef: 2

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

Beef: 2

Two outbreaks

**Jeffreys Bay, Cape Cross Veterinary Hospital**

Beef: 2

**Witelsbos, Witelsbos Veterinary Consulting Rooms**

Beef: 2

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

Dairy: 1

**Wellington, Wellington Dierehospitaal**

Beef: 1

**Asiatic red water**

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
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<b>Average</b>	1.7 (6)		3.0 (1)	2.0 (1)	2.0 (1)	1.8 (6)	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>	1.7 (6)		3.0 (1)	2.0 (1)	2.0 (1)	1.8 (4)	1.3 (3)		
<b>Dairy</b>						2.0 (2)			

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

Beef: 1

**Ermelo, Mōregloed Veterinêre Spreekkamer**

Beef: 1

**Lydenburg, Longtom Dierekliniek**

Beef: 2

**Lydenburg, Lydenburg Dieresprekkamer**

Beef: 2

**Middelburg, Middelburg Dierehospitaal**

Beef: 2

**Volksrust, Cape Cross Volksrust Dierehospitaal**

Beef: 2

**Limpopo**

**Bela-Bela, Warmbad Dierekliniek**

Beef: 3

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

Beef: 2

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

Beef: 2

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

Beef: 1

**Bergville, Tugela Vet Clinic**

Beef: 2

**Dundee, Endumeni Herd health**

Dairy: 2

**Eshowe, Eshowe Veterinary Hospital**

Beef: 2

**Estcourt, Estcourt Vet Clinic**

Dairy: 2

**Howick, Howick Veterinary Clinic**

Beef: 2

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

Beef: 1

**Jeffreys Bay, Cape Cross Veterinary Hospital**

Beef: 1

One farm

**Witelsbos, Witelsbos Veterinary Consulting Rooms**

Beef: 2

**Anaplasmosis**

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>	2.0 (3)	1.0 (1)	2.0 (1)	2.0 (2)	1.8 (6)	2.2 (9)	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>	2.0 (3)	1.0 (1)	2.0 (1)	2.0 (2)	1.8 (5)	2.0 (6)	2.0 (1)	2.0 (1)	
<b>Dairy</b>					2.0 (1)	2.7 (3)		1.7 (3)	

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

Beef: 2

**Grootvlei, Grootvlei Dierekliniek**

Beef: 2

**Lydenburg, Longtom Dierekliniek**

Beef: 2

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

Beef: 1

### **Limpopo**

**Makhado, Blouberg Dierekliniek**

Beef: 2

Two cases

### **North West**

**Christiana, Christiana Dierehospitaal**

Beef: 3

**Stella, Stella Dierekliniek**

Beef: 1

### **Free State**

**Clocolan, Clocolan Dierekliniek**

Beef: 2

**Ficksburg, Oosvrystaat Diere Produkte**

Beef: 1

**Hoopstad, Hoopstad Dierekliniek**

Beef: 3

**Kroonstad, Kroonstad Dierehospitaal**

Beef: 2, Dairy: 2

**Wesselsbron, Wesselsbron Dierekliniek**

Beef: 1

### **Kwazulu-Natal**

**Bergville, Tugela Vet Clinic**

Beef: 2

**Estcourt, Estcourt Vet Clinic**

Dairy: 3

**Howick, Howick Veterinary Clinic**

Beef: 3, Dairy: 3

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

Beef: 2

**Mooi River, Mooirivier Vet Clinic**

Beef: 1

**Pietermaritzburg, Veterinary House Hospital**

Beef: 2

**Underberg, Underberg Veterinary Surgery**

Beef: 2, Dairy: 2

### **Eastern Cape**

**Adelaide, Adelaide Veterinary Clinic**

Beef: 2

Two cases

### **Western Cape**

**Caledon, Overberg Veterinary Hospital**

Beef: 2

**Heidelberg (WC), Heidelberg Dierekliniek**

Dairy: 1

**Malmesbury, Malmesbury Dierehospitaal**

Dairy: 2

**Riversdale, Riversdal Dierekliniek**

Dairy: 2

## **Heartwater**



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 (2)	2.3 (4)	2.0 (5)		1.3 (12)	1.8 (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 (1)	3.0 (1)	1.8 (4)		1.6 (5)	1.7 (3)
<b>Dairy</b>						2.0 (1)
<b>Sheep</b>	2.0 (1)	2.0 (1)	3.0 (1)		1.0 (4)	2.0 (2)
<b>Goat</b>		2.0 (2)			1.3 (3)	

### **Mpumalanga**

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

Sheep: 2

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

Beef: 2

### **Gauteng**

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

Beef: 3, Sheep: 2, Goat: 3

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

Goat: 1

### **Limpopo**

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

Beef: 3, Sheep: 3

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

Beef: 2

Four cases

#### **Modimolle, Kranskop Dierekliniek**

Beef: 1

One bull, brought into the area from a non-heartwater area

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

Beef: 1

### **Kwazulu-Natal**

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

Beef: 2

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

Beef: 1, Sheep: 1

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

Sheep: 1, Goat: 1

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

Beef: 2

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

Beef: 2, Goat: 2

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

Beef: 1, Sheep: 1

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

Sheep: 1, Goat: 1

### **Eastern Cape**

#### **Adelaide, Adelaide Veterinary Clinic**

Beef: 2

#### **Alexandria, Riverview Trading Vet Consulting Services**

Dairy: 2

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

Beef: 2, Sheep: 3

#### **Uitenhage, Uitenhage Dierehospitaal**

Beef: 1, Sheep: 1

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

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

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

**Bela-Bela, Warmbad Dierekliniek**

Beef: 1

**Tzaneen, ZZ2 Farm Practice**

Beef: 1

#### Northern Cape

**Postmasburg, Postmasburg Dierekliniek**

Beef: 2

### Insect Transmittable Diseases

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

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

Beef			3.0 (1)						
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#### Limpopo

**Mokopane, Dr Henk Visser**

Beef: 3

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

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

Dairy					1.0 (1)				
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#### Free State

**Wesselsbron, Wesselsbron Dierekliniek**

Dairy: 1

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

#### Gauteng

Hammanskraal, Themba Animal Clinic

Sheep: 1

#### Free State

Smithfield, Freestate Smithfield SV

Dairy: 2

Mohokare; Blue tongue in young sheep, 6 sheep, 2 died. Small water sources on farm.

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

#### Kwazulu-Natal

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2

### Venereal Diseases

Trichomonosis									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.1 (9)			3.0 (2)	2.2 (9)	2.0 (4)	3.0 (1)		1.0 (1)
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef	2.1 (9)			3.0 (2)	2.2 (9)	2.0 (4)	3.0 (1)		1.0 (1)

## **Mpumalanga**

### **Bethal, Bethal Dierekliniek**

Beef: 3

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

Beef: 3

### **Grootvlei, Grootvlei Dierekliniek**

Beef: 1

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

Beef: 2

### **Middelburg , Middelburg Dierehospitaal**

Beef: 2

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

Beef: 2

Five out of 10 bulls positive after one for tritrichomonosis. All bulls slaughtered.

### **Piet Retief, Pets Vet Hospital**

Beef: 2

### **Standerton, Econovet**

Beef: 2

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

Beef: 2

## **North West**

### **Leeudoringstad, Leeudoringstad Dierekliniek**

Beef: 3

One new herd

### **Stella, Stella Dierekliniek**

Beef: 3

## **Free State**

### **Bethlehem, Union Street Animal Consulting Rooms**

Beef: 2

### **Dewetsdorp, Platkop Dierekliniek**

Beef: 2

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

Beef: 1

### **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: 3

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

Beef: 2

## **Kwazulu-Natal**

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

Beef: 2

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

Beef: 2

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

Beef: 2

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

Beef: 2

New farm, 11 out of 30 bulls tested positive

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

Beef: 3

Three farms, 10 bulls

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

Beef: 1

**Vibriosis**

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)	1.2 (5)	1.0 (2)	3.0 (1)	2.0 (1)	

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

<b>Beef</b>	2.0 (1)			3.0 (1)	1.2 (5)	1.0 (2)	3.0 (1)	2.0 (1)	
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**Mpumalanga****Middelburg , Middelburg Dierehospitaal**

Beef: 2

**North West****Leeudoringstad, Leeudoringstad Dierekliniek**

Beef: 3

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

Beef: 1

**Dewetsdorp, Platkop Dierekliniek**

Beef: 1

**Hertzogville, Hertzogville Dierekliniek**

Beef: 1

**Kroonstad, Kroonstad Dierehospitaal**

Beef: 2

**Ladybrand, Ladybrand Dierekliniek**

Beef: 1

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

Beef: 1

**Newcastle, Ncanduvet Newcastle**

Beef: 1

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

Beef: 3

Three farms, 10 bulls

**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>	2.2 (5)			3.0 (2)	1.6 (7)	1.2 (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>	2.3 (4)			3.0 (2)	1.6 (7)	1.0 (4)	2.0 (1)		
<b>Dairy</b>						2.0 (1)			
<b>Sheep</b>	2.0 (1)					1.0 (1)			

#### Mpumalanga

##### Middelburg , Middelburg Dierehospitaal

Beef: 3

##### Middelburg, Neil Fourie Veeartsenydienste

Beef: 2

Four deaths from one farm due to *Clostridium chauvoei*, other farm *Clostridium novyi*

##### Nelspruit, Nelspruit Animal Hospital

Beef: 2

##### Piet Retief, Pets Vet Hospital

Beef: 2

##### Volksrust, Cape Cross Volksrust Dierehospitaal

Sheep: 2

#### North West

##### Christiana, Christiana Dierehospitaal

Beef: 3

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

Beef: 3

Three calves

#### Free State

##### Bethlehem, Union Street Animal Consulting Rooms

Beef: 1

**Clocolan, Clocolan Dierekliniek**

Beef: 1

**Dewetsdorp, Platkop Dierekliniek**

Beef: 2

**Kroonstad, Kroonstad Dierehospitaal**

Beef: 2

**Memel, Memel Veterinary Clinic**

Beef: 2

**Smithfield, Freestate Smithfield SV**

Beef: 2

Kopanong; Four Clostridial bacteria diagnosed with FAT in one animal that died, had been vaccinated with a multiclostridial vaccine, 3 cattle died.

**Wesselsbron, Wesselsbron Dierekliniek**

Beef: 1

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

Beef: 1

**Bergville, Tugela Vet Clinic**

Beef: 1, Sheep: 1

**Dundee, Endumeni Herd health**

Beef: 1

**Newcastle, Ncanduvet Newcastle**

Beef: 1

**Underberg, Underberg Veterinary Surgery**

Dairy: 2

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

Beef: 2

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

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

Beef: 1

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

Beef: 2

**Stella, Stella Dierekliniek**

Beef: 2

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

Beef: 1

**Northern Cape****Upington, Upington Veeartsenykliniek**

Beef: 2

Pulpy Kidney									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>	3.0 (1)	1.0 (2)	3.0 (1)	1.0 (1)	2.3 (7)			2.0 (1)	2.5 (2)
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
<b>Sheep</b>	3.0 (1)	1.0 (1)	3.0 (1)	1.0 (1)	2.3 (7)			2.0 (1)	3.0 (1)
<b>Goat</b>		1.0 (1)							2.0 (1)
<b>Mpumalanga</b>									
<b>Volksrust, Cape Cross Volksrust Dierehospitaal</b>									
Sheep: 3									
<b>Gauteng</b>									
<b>Hammanskraal, Themba Animal Clinic</b>									
Sheep: 1, Goat: 1									
<b>Limpopo</b>									
<b>Bela-Bela, Warmbad Dierekliniek</b>									
Sheep: 3									
<b>North West</b>									
<b>Bloemhof, Bloemhof Dierekliniek</b>									
Sheep: 1									
<b>Free State</b>									
<b>Frankfort, Frankfort Dierekliniek</b>									
Sheep: 3									
<b>Hoopstad, Hoopstad Dierekliniek</b>									
Sheep: 3									
<b>Ladybrand, Ladybrand Dierekliniek</b>									
Sheep: 2									
<b>Smithfield, Freestate Smithfield SV</b>									
Sheep: 3									
18 sheep died, sheep were vaccinated with alum adjuvant vaccine.									
<b>Villiers, Wilgepoort Dierekliniek Vennootskap</b>									
Sheep: 3									
<b>Vrede, Vrede Dierehospitaal</b>									
Sheep: 1									
<b>Wesselsbron, Wesselsbron Dierekliniek</b>									
Sheep: 1									
<b>Western Cape</b>									
<b>Oudtshoorn, Ostrimed</b>									
Sheep: 2									
Feedlotting due to drought, mixtures not fed consistently									
<b>Northern Cape</b>									
<b>Calvinia, Calvinia Veeartskliniek</b>									
Goat: 2									
<b>Colesberg, Karoo Veterinary Hospital</b>									
Sheep: 3									
Large scale deaths in pregnant multiparous ewes									

Lamb dysentery									
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>Goat</b>									2.0 (1)
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#### Northern Cape

**Postmasburg, Postmasburg Dierekliniek**

Goat: 2

Swelled head disease									
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)						

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)						
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#### Mpumalanga

**Middelburg , Middelburg Dierehospitaal**

Beef: 3

#### Limpopo

**Bela-Bela, Warmbad Dierekliniek**

Beef: 3

Redgut (cattle)									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>	1.7 (3)				2.0 (1)	2.0 (1)	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>Beef</b>	1.7 (3)				2.0 (1)		1.0 (1)		
<b>Dairy</b>						2.0 (1)	2.0 (1)	2.0 (1)	

#### Mpumalanga

**Bethal, Bethal Dierekliniek**

Beef: 2

**Middelburg , Middelburg Dierehospitaal**

Beef: 2

**Piet Retief, Pets Vet Hospital**

Beef: 1

**Free State**

**Clocolan, Clocolan Dierekliniek**

Beef: 2

**Kwazulu-Natal**

**Estcourt, Estcourt Vet Clinic**

Dairy: 2

**Eastern Cape**

**Alexandria, Alexandria Platteland Spreekkamer**

Beef: 1

**Alexandria, Riverview Trading Vet Consulting Services**

Dairy: 2

**Western Cape**

**Malmesbury, Malmesbury Dierehospitaal**

Dairy: 2

**Blood gut (Sheep)**

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

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

Sheep	3.0 (1)				2.5 (2)		1.0 (1)	1.7 (3)	
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**Mpumalanga**

**Volkswest, Cape Cross Volkswest Dierehospitaal**

Sheep: 3

**Free State**

**Frankfort, Frankfort Dierekliniek**

Sheep: 3

**Memel, Memel Veterinary Clinic**

Sheep: 2

**Eastern Cape**

**Uitenhage, Uitenhage Dierehospitaal**

Sheep: 1

**Western Cape**

**Caledon, Overberg Veterinary Hospital**

Sheep: 2

**Heidelberg (WC), Heidelberg Dierekliniek**

Sheep: 2

**Riversdale, Riversdal Dierekliniek**

Sheep: 1

**Tetanus**

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

<b>Sheep</b>		1.0 (2)	1.5 (2)
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### Free State

**Clocolan, Clocolan Dierekliniek**

Sheep: 1

**Hoopstad, Hoopstad Dierekliniek**

Sheep: 1

### Western Cape

**Caledon, Overberg Veterinary Hospital**

Sheep: 2

**Stellenbosch, Stellenbosch Animal Hospital**

Sheep: 1

## Salmonellosis [^](#)

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)	1.0 (1)	3.0 (1)	
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Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

<b>Beef</b>							1.0 (1)		
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<b>Dairy</b>						2.0 (1)		3.0 (1)	
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### Kwazulu-Natal

**Underberg, Underberg Veterinary Surgery**

Dairy: 2

### Eastern Cape

**Alexandria, Alexandria Platteland Spreekkamer**

Beef: 1

### Western Cape

**Malmesbury, Dr Otto Kriek**

Dairy: 3

Massive mortalities in calves from cows that were not vaccinated against *Salmonella*. Situation will obviously be rectified by going back to basics i.e. colostrum, correct vaccination of cows, thorough disinfection of umbilical cords and hygiene etc.

## Brucella abortus [^](#)

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)	2.0 (1)	1.7 (3)	2.4 (5)	2.2 (6)				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>	2.0 (1)	2.0 (1)	1.7 (3)	2.4 (5)	2.2 (6)		3.0 (1)
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**Mpumalanga**

**Middelburg , Middelburg Dierehospitaal**

Beef: 2

**Gauteng**

**Bronkhorstspuit, Kerkstraat Dierekliniek**

Beef: 2

**Limpopo**

**Makhado, Blouberg Dierekliniek**

Beef: 2

Two cases

**Mokopane, Dr Henk Visser**

Beef: 2

**Polokwane, Pietersburg Veterinary Clinic**

Beef: 1

**North West**

**Christiana, Christiana Dierehospitaal**

Beef: 2

**Klerksdorp, Klerksdorp Dierehospitaal**

Beef: 1

**Leeudoringstad, Leeudoringstad Dierekliniek**

Beef: 3

31 out of 53 positive - new herd

**Lichtenburg, Dr CM Kruger-Rall**

Beef: 3

46 brucellosis cases

**Stella, Stella Dierekliniek**

Beef: 3

**Free State**

**Bethlehem, Union Street Animal Consulting Rooms**

Beef: 1

Still a big problem in my area and I think all over the farmers are not testing and if there are positive animals the control is not applied.

**Hoopstad, Hoopstad Dierekliniek**

Beef: 3

**Kroonstad, Kroonstad Dierehospitaal**

Beef: 3

**Ladybrand, Ladybrand Dierekliniek**

Beef: 2

**Smithfield, Freestate Smithfield SV**

Beef: 2

Zastron; 6 cases, ongoing outbreak (Mohokare)

**Villiers, Wilgepoort Dierekliniek Vennootskap**

Beef: 2

**Northern Cape**

**Kimberley, Kimberley Dierekliniek**

Beef: 3

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)	2.0 (1)	3.0 (1)

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

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

##### Bronkhorstspuit, Kerkstraat Dierkliniek

Sheep: 2

#### Free State

##### Villiers, Wilgepoort Dierkliniek Vennootskap

Sheep: 3

#### Eastern Cape

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

Sheep: 2

#### Western Cape

##### Beaufort West, Beaufort Dierkliniek

Sheep: 2

Biosecurity not adequate

#### Northern Cape

##### De Aar, De Aar Veterinary Clinic

Sheep: 3

14 positive rams. Tested rams, first picked up 3 rams with epididymitis out of a total of 44. Will retest rams after 3 months. The flock was negative, bought in rams.

### Septicaemia

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)	1.0 (1)

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

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

#### Mpumalanga

##### Grootvlei, Grootvlei Dierkliniek

Beef: 1

#### Kwazulu-Natal

##### Estcourt, Estcourt Vet Clinic

Dairy: 2

#### Western Cape

##### Riversdale, Riversdal Dierkliniek

Sheep: 1

#### Northern Cape



**Kimberley, Kimberley Dierekliniek**

Beef: 1

Calf with fibrinous peritonitis and failure of passive transfer

<i>E. coli</i>									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>	2.0 (5)		2.0 (1)	2.0 (3)	2.3 (7)	2.5 (2)	2.0 (2)	2.0 (2)	2.0 (2)
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
<b>Beef</b>	2.0 (2)		2.0 (1)	1.5 (2)	2.3 (3)	3.0 (1)	2.0 (2)		
<b>Dairy</b>						2.0 (1)		2.0 (1)	
<b>Sheep</b>	2.0 (3)			3.0 (1)	2.3 (4)			2.0 (1)	2.0 (1)
<b>Goat</b>									2.0 (1)

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

Sheep: 2

*E. coli* causing late abortions and weak lambs**Lydenburg, Lydenburg Dieresprekkamer**

Beef: 2

**Standerton, Econovet**

Beef: 2, Sheep: 2

**Volksrust, Cape Cross Volksrust Dierehospitaal**

Sheep: 2

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

Beef: 2

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

Beef: 1

**Leeudoringstad, Leeudoringstad Dierekliniek**

Sheep: 3

Lambs

**Lichtenburg, Dr CM Kruger-Rall**

Beef: 2

Four calves with diarrhoea caused by *E. coli***Free State****Clocolan, Clocolan Dierekliniek**

Beef: 2, Sheep: 2

**Hoopstad, Hoopstad Dierekliniek**

Beef: 3, Sheep: 3

**Kroonstad, Kroonstad Dierehospitaal**

Sheep: 3

**Viljoenskroon, Viljoenskroon Dierekliniek**

Beef: 2

**Wesselsbron, Wesselsbron Dierekliniek**



**Mpumalanga****Volkstrust, Cape Cross Volkstrust Dierehospitaal**

Sheep: 1

**Free State****Vrede, Vrede Dierehospitaal**

Sheep: 1

Awaiting result

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

Goat: 2

***Fusibacterium necrophorum***

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

**Beef** 2.0 (1)

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

Beef: 2

Two cases

**Listeriosis**

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

**Sheep** 2.0 (1) 3.0 (1)

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

Sheep: 2

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

Sheep: 3

**Other**

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

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

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

### Limpopo

#### Mokopane, Dr Henk Visser

Beef: 1

### Eastern Cape

#### Somerset East, Bosberg Veterinary Clinic

Beef: 1

A calf with severe myositis, recovered.

### Northern Cape

#### Kimberley, Kimberley Dierekliniek

Beef: 1

Fibrinous pericarditis

Goat: 2

Clostridial disease in very fat kids

## Pasteurellosis

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

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

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

### North West

#### Klerksdorp, Klerksdorp Dierehospitaal

Beef: 3

Pasteurellosis Type B and D. High mortality rate, responded well to the antibiotic - blocking and vaccination with an autogenous vaccine. New outbreaks every month. Laboratory confirmed with culture.

### Free State

#### Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 2

### Kwazulu-Natal

#### Underberg, Underberg Veterinary Surgery

Beef: 2, Dairy: 2, Sheep: 2

## Klebsiella

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

**Dairy** 1.0 (1)

**Kwazulu-Natal**

**Underberg, Underberg Veterinary Surgery**

Dairy: 1

**Protozoal diseases (other)**

**Coccidiosis**

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)		1.7 (3)		2.0 (2)	1.6 (5)	

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

<b>Beef</b>	1.0 (1)	1.0 (1)	2.0 (1)						
<b>Dairy</b>					2.0 (1)			1.0 (1)	
<b>Sheep</b>	3.0 (1)		2.0 (1)		1.5 (2)			1.8 (4)	
<b>Goat</b>			2.0 (1)				2.0 (2)		

**Mpumalanga**

**Lydenburg, Longtom Dierekliniek**

Sheep: 3

**Middelburg, Middelburg Dierehospitaal**

Beef: 1

**Gauteng**

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

Beef: 1

**Limpopo**

**Makhado, Blouberg Dierekliniek**

Beef: 2, Sheep: 2, Goat: 2

**Free State**

**Villiers, Wilgepoort Dierekliniek Vennootskap**

Dairy: 2, Sheep: 2

**Wesselsbron, Wesselsbron Dierekliniek**

Sheep: 1

**Eastern Cape**

**Bathurst, Dr Jane Pistorius**

Goat: 2

Five goats

**Witelsbos, Witelsbos Veterinary Consulting Rooms**

Goat: 2

**Western Cape**

**George, George Animal Hospital**

Sheep: 3

**Heidelberg (WC), Heidelberg Dierekliniek**

Dairy: 1, Sheep: 1

**Riversdale, Riversdal Dierekliniek**

Sheep: 2

**Stellenbosch, Stellenbosch Animal Hospital**

Sheep: 1

**Cryptosporidium**

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)	2.8 (5)	3.0 (1)	3.0 (1)	

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

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

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

Dairy: 1, Sheep: 1

**Middelburg , Middelburg Dierehospitaal**

Beef: 2

**Free State****Vrede, Saulshoek Dierepraktyk**

Sheep: 2

**Kwazulu-Natal****Estcourt, Estcourt Vet Clinic**

Beef: 3, Dairy: 3, Sheep: 3

**Howick, Howick Veterinary Clinic**

Beef: 3

**Underberg, Underberg Veterinary Surgery**

Dairy: 2

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

Dairy: 3

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

Dairy: 3

**Fungal diseases****Ringworm**

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>	1.8 (5)			2.0 (1)	1.8 (5)	2.2 (5)	2.5 (2)	2.0 (3)	

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

<b>Beef</b>	1.8 (5)	2.0 (1)	2.0 (4)	2.0 (3)	2.5 (2)	1.5 (2)
<b>Dairy</b>				2.5 (2)		3.0 (1)
<b>Sheep</b>			1.0 (1)			

### **Mpumalanga**

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

Beef: 2

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

Beef: 2

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

Beef: 2

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

Beef: 1

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

Beef: 2

### **North West**

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

Beef: 2

### **Free State**

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

Beef: 1

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

Beef: 3

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

Sheep: 1

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

Beef: 2

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

Beef: 2

Weaner calves

### **Kwazulu-Natal**

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

Dairy: 3

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

Beef: 1

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

Beef: 3

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

Beef: 2, Dairy: 2

### **Eastern Cape**

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

Beef: 2

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

Beef: 3

### **Western Cape**

#### **Riversdale, Riversdal Dierekliniek**

Beef: 2

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

Beef: 1

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

Dairy: 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>		2.0 (1)	2.2 (5)	1.7 (3)	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>		2.0 (1)	2.2 (5)	1.7 (3)	1.7 (3)			1.0 (1)	2.0 (1)

#### Gauteng

##### Pretoria, Anima Veterinary Consulting Rooms

Beef: 2

#### Limpopo

##### Bela-Bela, Warmbad Dierekliniek

Beef: 3

##### Makhado, Blouberg Dierekliniek

Beef: 2

Two cases - blue wildebeest

##### Modimolle, Kranskop Dierekliniek

Beef: 1

Cow

##### Tzaneen, ZZ2 Farm Practice

Beef: 2

##### Vaalwater, Vaalwater Dieresprekkamer

Beef: 3

26 deaths (weaner calves) on a farm 20 km from Vaalwater

#### North West

##### Bloemhof, Bloemhof Dierekliniek

Beef: 2

Two confirmed cases

##### Christiana, Christiana Dierehospitaal

Beef: 1

##### Potchefstroom, Morvet

Beef: 2

Confirmed

#### Free State

##### Clocolan, Clocolan Dierekliniek

Beef: 2

##### Hertzogville, Hertzogville Dierekliniek

Beef: 2

Five BMC - bluewildebeest

##### Kroonstad, Kroonstad Dierehospitaal

Beef: 1

#### Western Cape

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

Beef: 1

Sheep associated BMC (snotsiekte) occurring often on farm

#### Northern Cape



**Postmasburg, Postmasburg Dierekliniek**

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)	2.0 (1)	1.0 (1)			3.0 (1)			

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

<b>Beef</b>	2.0 (1)	2.0 (1)	1.0 (1)			3.0 (1)			
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**Mpumalanga****Lydenburg, Longtom Dierekliniek**

Beef: 2

Late abortions

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

Beef: 2

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

Beef: 1

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

Beef: 3

**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 (1)	2.0 (2)	1.5 (2)	1.7 (3)	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>		3.0 (1)	2.0 (2)	1.5 (2)	1.7 (3)	1.7 (3)			
<b>Dairy</b>						2.0 (1)			

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

Beef: 3

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

Beef: 3

**Polokwane, Pietersburg Veterinary Clinic**

Beef: 1

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

Beef: 2

Abortions

**Stella, Stella Dierekliniek**

Beef: 1

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

Beef: 2

**Vrede, Vrede Dierehospitaal**

Beef: 2

One farm, IBR confirmed; another 2 farms, 7 cases - awaiting results

**Wesselsbron, Wesselsbron Dierekliniek**

Beef: 1

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

Beef: 1

**Pietermaritzburg, Veterinary House Hospital**

Beef: 3

**Underberg, Underberg Veterinary Surgery**

Beef: 1, Dairy: 2

**BRSV (Bovine respiratory syncytial virus)**

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

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

<b>Beef</b>			1.0 (1)			3.0 (1)			
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**Limpopo****Polokwane, Pietersburg Veterinary Clinic**

Beef: 1

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

Beef: 3

**PI3**

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<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****Pietermaritzburg, Veterinary House Hospital**

Beef: 3

**Enzootic Bovine Leucosis (EBL)**

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

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

#### Bela-Bela, Warmbad Dierekliniek

Beef: 3

#### Makhado, Blouberg Dierekliniek

Dairy: 1

### North West

#### Potchefstroom, Morvet

Beef: 2

### Kwazulu-Natal

#### Estcourt, Estcourt Vet Clinic

Dairy: 2

#### Underberg, Underberg Veterinary Surgery

Dairy: 1

### Western Cape

#### Malmesbury, Malmesbury Dierehospitaal

Dairy: 2

## Jaagsiekte [^](#)

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)			
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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)				2.0 (1)			
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### Gauteng

#### Bronkhorstspuit, Kerkstraat Dierekliniek

Sheep: 1

### Kwazulu-Natal

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

Sheep: 2

Deaths in young animals

## Orf [^](#)

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)	1.5 (2)	1.3 (3)	1.5 (4)	1.8 (6)	1.0 (2)		2.3 (4)	2.0 (1)
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Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

<b>Sheep</b>	2.0 (1)	1.0 (1)	1.5 (2)	1.5 (2)	2.0 (5)	1.0 (1)	2.3 (4)
<b>Goat</b>		2.0 (1)	1.0 (1)	1.5 (2)	1.0 (1)	1.0 (1)	2.0 (1)

### **Mpumalanga**

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

Sheep: 2

### **Gauteng**

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

Sheep: 1, Goat: 2

### **Limpopo**

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

Sheep: 2

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

Sheep: 1, Goat: 1

### **North West**

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

Sheep: 1

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

Sheep: 2, Goat: 2

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

Goat: 1

### **Free State**

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

Sheep: 3

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

Sheep: 2, Goat: 1

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

Sheep: 3

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

Sheep: 1

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

Sheep: 1

### **Kwazulu-Natal**

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

Goat: 1

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

Sheep: 1

### **Western Cape**

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

Sheep: 2

#### **Riversdale, Riversdal Dierekliniek**

Sheep: 2

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

Sheep: 3

#### **Wellington, Wellington Dierehospitaal**

Sheep: 2

### **Northern Cape**

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

Goat: 2

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>	1.6 (5)		1.0 (2)	1.5 (2)	1.8 (5)	1.8 (4)			3.0 (1)

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

<b>Beef</b>	1.6 (5)			1.5 (2)	2.0 (4)	1.0 (2)			3.0 (1)
<b>Dairy</b>						2.0 (1)			
<b>Sheep</b>			1.0 (1)		1.0 (1)				
<b>Goat</b>			1.0 (1)			3.0 (1)			

#### Mpumalanga

##### Balfour, Balfour Dierekliniek

Beef: 1

##### Ermelo, Môregloed Veterinêre Spreekkamer

Beef: 1

##### Lydenburg, Lydenburg Dieresprekkamer

Beef: 2

##### Nelspruit, Nelspruit Animal Hospital

Beef: 2

##### Volksrust, Cape Cross Volksrust Dierehospitaal

Beef: 2

#### Limpopo

##### Polokwane, Pietersburg Veterinary Clinic

Sheep: 1, Goat: 1

#### North West

##### Christiana, Christiana Dierehospitaal

Beef: 2

##### Stella, Stella Dierekliniek

Beef: 1

#### Free State

##### Clocolan, Clocolan Dierekliniek

Beef: 2

##### Hoopstad, Hoopstad Dierekliniek

Beef: 3

##### Kroonstad, Kroonstad Dierehospitaal

Beef: 1

##### Ladybrand, Ladybrand Dierekliniek

Beef: 2

##### Philippolis, Rowelsfontein veearts Spreekkamer

Sheep: 1

#### Kwazulu-Natal

##### Eshowe, Eshowe Veterinary Hospital

Goat: 3

##### Estcourt, Estcourt Vet Clinic

Dairy: 2

##### Mtubatuba, Mtubatuba Animal Clinic

Beef: 1

##### Newcastle, Ncanduvet Newcastle

Beef: 1

**Northern Cape**

**Kimberley, Kimberley Dierekliniek**

Beef: 3

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

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

**Mpumalanga**

**Volkstrust, Cape Cross Volkstrust Dierehospitaal**

Beef: 2

**Kwazulu-Natal**

**Estcourt, Estcourt Vet Clinic**

Dairy: 2

**Underberg, Underberg Veterinary Surgery**

Dairy: 2

**Eastern Cape**

**Jeffreys Bay, Cape Cross Veterinary Hospital**

Dairy: 3

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

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

Dairy						2.0 (1)			
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**Kwazulu-Natal**

**Underberg, Underberg Veterinary Surgery**

Dairy: 2

**Poisonings (Plant) and Fungal**

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

#### Free State

##### Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 2

Slangkop

##### Wesselsbron, Wesselsbron Dierekliniek

Beef: 1

#### Western Cape

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

Beef: 1

Witstorm

Sheep: 2

Witstorm poisoning, due to drought. Animals have nothing else to eat.

#### Northern Cape

##### Calvinia, Calvinia Veeartskliniek

Goat: 2

### Cestrum

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)				
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#### North West

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

Beef: 2

Two cases

#### Free State

##### Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 3

### Cynanchum poisoning

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

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

<b>Dairy</b>									2.0 (1)
<b>Western Cape</b>									
<b>Swellendam, Swellendam Dierehospitaal</b>									
Dairy: 2									
<b>Facial eczema</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>							1.0 (1)	2.0 (1)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
<b>Sheep</b>									1.0 (1) 2.0 (1)
<b>Eastern Cape</b>									
<b>Witelsbos, Witelsbos Veterinary Consulting Rooms</b>									
Sheep: 1									
<b>Western Cape</b>									
<b>Heidelberg (WC), Heidelberg Dierekliniek</b>									
Sheep: 2									
<b>Geeldikkop/Dikoor</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)				
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
<b>Sheep</b>									3.0 (1)
<b>Free State</b>									
<b>Hoopstad, Hoopstad Dierekliniek</b>									
Sheep: 3									
<b>Gousiekte</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>		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>Sheep</b>									1.0 (1)
<b>Goat</b>									1.0 (1)
<b>Gauteng</b>									
<b>Hammanskraal, Themba Animal Clinic</b>									



Goat: 1

### Western Cape

**Riversdale, Riversdal Dierekliniek**

Sheep: 1

### Lantana

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

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

**Beef** 1.5 (2)

### Kwazulu-Natal

**Dundee, Endumeni Herd health**

Beef: 1

**Estcourt, Estcourt Vet Clinic**

Beef: 2

### Lupine Poisoning

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

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

**Beef** 2.0 (1)

### Limpopo

**Makhado, Blouberg Dierekliniek**

Beef: 2

Eight cases

### Nitrate poisoning

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

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

**Dairy** 3.0 (1)

### Eastern Cape

**Jeffreys Bay, Cape Cross Veterinary Hospital**

Dairy: 3

### 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)		1.0 (1)	2.3 (4)	2.3 (3)		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>	2.0 (5)	3.0 (1)		1.0 (1)	2.3 (3)	2.3 (3)		2.0 (2)	
<b>Dairy</b>								1.0 (1)	
<b>Sheep</b>					2.0 (1)			2.0 (1)	

### Mpumalanga

#### Bethal, Bethal Dierekliniek

Beef: 2

#### Ermelo, Mōregloed Veterinêre Spreekkamer

Beef: 1

#### Middelburg , Middelburg Dierehospitaal

Beef: 3

#### Piet Retief, Pets Vet Hospital

Beef: 2

#### Volksrust, Cape Cross Volksrust Dierehospitaal

Beef: 2

### Gauteng

#### Bronkhorstspuit, Kerkstraat Dierekliniek

Beef: 3

### North West

#### Klerksdorp, Klerksdorp Dierehospitaal

Beef: 1

### Free State

#### Frankfort, Frankfort Dierekliniek

Beef: 3

#### Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2, Sheep: 2

#### Vrede, Vrede Dierehospitaal

Beef: 2

Two cases

### Kwazulu-Natal

#### Bergville, Tugela Vet Clinic

Beef: 2

#### Dundee, Endumeni Herd health

Beef: 2

#### Newcastle, Ncanduvet Newcastle

Beef: 3

### Western Cape

#### Caledon, Overberg Veterinary Hospital

Beef: 2

#### Heidelberg (WC), Heidelberg Dierekliniek

Dairy: 1

#### Riversdale, Riversdal Dierekliniek

Sheep: 2

**Stellenbosch, Stellenbosch Animal Hospital**

Beef: 2

**Mycotoxycosis**

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

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, Malmesbury Dierehospitaal**

Dairy: 2

**Diplodiosis**

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

**Beef**

2.0 (1)

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

Beef: 2

**Other**

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)

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 (2)

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

Sheep: 1

Photosensitivity

**Vredenburg, Vredenburg Dierehospitaal**

Sheep: 3

Dikkop in weaner lambs on very lush pastures

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

Beef: 2

Bitou poisoning

## Poisonings

### Urea Poisoning

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

#### Mpumalanga

**Grootvlei, Grootvlei Dierekliniek**

Beef: 1

#### Limpopo

**Bela-Bela, Warmbad Dierekliniek**

Beef: 3

#### Free State

**Bethlehem, Union Street Animal Consulting Rooms**

Sheep: 1

#### Eastern Cape

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

Beef: 2

### Copper Poisoning

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

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

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

#### Free State

**Ladybrand, Ladybrand Dierekliniek**

Sheep: 1

#### Kwazulu-Natal

**Estcourt, Estcourt Vet Clinic**

Dairy: 3

### Chemical products

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

##### Lydenburg, Longtom Dierekliniek

Beef: 2

Cattle drank Amitraz dip water

#### Kwazulu-Natal

##### Dundee, Endumeni Herd health

Beef: 3

### Other

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

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

##### Middelburg, Neil Fourie Veeartsenydiens

Beef: 3

More than 1 000 cattle died in feedlot due to terbuphos poisoning in the Dundee area.

#### Western Cape

##### Piketberg, Piketberg Dierehospitaal

Sheep: 2

Turksnaald

## Macro Nutritional Problems

### Energy deficiency

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
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<b>Average</b>	1.4 (5)	1.8 (4)	2.0 (3)	2.0 (1)	1.0 (1)	2.4 (7)	2.8 (5)	2.3 (4)	2.0 (3)
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Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

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

### Mpumalanga

#### Balfour, Balfour Dierekliniek

Beef: 1, Sheep: 1, Goat: 1

#### Hendrina, Mooiplaas Veterinêre Dienste

Beef: 2

#### Lydenburg, Lydenburg Dieresprekkamer

Beef: 2

### Gauteng

#### Hammanskraal, Themba Animal Clinic

Beef: 3, Sheep: 1, Goat: 2

#### Pretoria, Anima Veterinary Consulting Rooms

Sheep: 1

### Limpopo

#### Bela-Bela, Warmbad Dierekliniek

Beef: 3

#### Mokopane, Dr Henk Visser

Beef: 1, Goat: 2

### North West

#### Christiana, Christiana Dierehospitaal

Beef: 2

### Free State

#### Wesselsbron, Wesselsbron Dierekliniek

Sheep: 1

### Kwazulu-Natal

#### Camperdown, Camperdown Vet Clinic

Beef: 2

#### Howick, Howick Veterinary Clinic

Beef: 2, Dairy: 3

#### Mooi River, Mooirivier Vet Clinic

Beef: 1

#### Underberg, Underberg Veterinary Surgery

Beef: 3, Dairy: 3, Sheep: 3

### Eastern Cape

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

Sheep: 2, Goat: 3

#### Humansdorp, Humansdorp Veterinary Clinic

Beef: 3

#### Steynsburg, Steynsburg Dierehospitaal

Beef: 3, Sheep: 3

### Western Cape

#### Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 3, Sheep: 2

#### Worcester, Durban Straat Dierekliniek Worcester

Beef: 2

### Northern Cape

#### Postmasburg, Postmasburg Dierekliniek

Beef: 2, Sheep: 2, Goat: 2

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>	2.0 (2)	2.2 (5)	2.0 (2)	2.0 (1)	2.3 (4)	2.7 (6)	3.0 (1)	2.0 (4)	

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

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

#### **Mpumalanga**

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

Beef: 2

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

Beef: 2

#### **Gauteng**

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

Beef: 3, Dairy: 1, Sheep: 2, Goat: 3

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

Sheep: 2

#### **Limpopo**

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

Beef: 3

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

Beef: 1

#### **North West**

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

Beef: 2

#### **Free State**

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

Beef: 2

##### **Vrede, Saulshoek Dierpraktijk**

Beef: 3, Sheep: 2, Goat: 2

#### **Kwazulu-Natal**

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

Beef: 2

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

Beef: 2, Dairy: 3

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

Beef: 3, Dairy: 3, Sheep: 3

#### **Eastern Cape**

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

Sheep: 3

#### **Western Cape**

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

Beef: 2, Dairy: 2, Sheep: 2

##### **Worcester, Durban Straat Dierekliniek Worcester**

Beef: 2

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

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

Beef			3.0 (1)	3.0 (1)					2.0 (2)
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#### Limpopo

##### Bela-Bela, Warmbad Dierekliniek

Beef: 3

#### North West

##### Christiana, Christiana Dierehospitaal

Beef: 3

#### Northern Cape

##### Postmasburg, Postmasburg Dierekliniek

Beef: 2

##### Upington, Upington Veeartsenykliniek

Beef: 2

Calcium deficiency									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average		1.0 (1)	2.0 (1)	1.0 (1)	1.3 (3)	2.7 (3)		2.3 (4)	

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

Beef			2.0 (1)		1.0 (2)			2.0 (1)	
Dairy						2.7 (3)		2.5 (2)	
Sheep		1.0 (1)		1.0 (1)	2.0 (1)			2.0 (1)	

#### Gauteng

##### Pretoria, Anima Veterinary Consulting Rooms

Sheep: 1

#### Limpopo

##### Bela-Bela, Warmbad Dierekliniek

Beef: 2

#### North West

##### Christiana, Christiana Dierehospitaal

Sheep: 1

#### Free State

##### Bethlehem, Union Street Animal Consulting Rooms

Beef: 1

##### Ladybrand, Ladybrand Dierekliniek



Sheep: 2

**Parys, Parys Dierehospitaal**

Beef: 1

**Kwazulu-Natal**

**Estcourt, Estcourt Vet Clinic**

Dairy: 3

**Howick, Howick Veterinary Clinic**

Dairy: 3

**Underberg, Underberg Veterinary Surgery**

Dairy: 2

**Western Cape**

**Malmesbury, Malmesbury Dierehospitaal**

Beef: 2, Dairy: 3, Sheep: 2

**Swellendam, Swellendam Dierehospitaal**

Dairy: 2

## Micro Nutritional Problems

### Iodine deficiency

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

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

**Dairy** 2.0 (1)

**Kwazulu-Natal**

**Underberg, Underberg Veterinary Surgery**

Dairy: 2

### Copper 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)	

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

**Dairy** 2.0 (1)

**Sheep** 3.0 (1)

**Kwazulu-Natal**

**Underberg, Underberg Veterinary Surgery**

Dairy: 2

**Western Cape**

**George, George Animal Hospital**

Sheep: 3

### Zinc deficiency

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

**Average** 2.0 (1)

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

**Dairy** 2.0 (1)

#### Kwazulu-Natal

**Underberg, Underberg Veterinary Surgery**

Dairy: 2

### Selenium deficiency

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

**Average** 3.0 (1) 3.0 (1) 3.0 (2) 2.5 (2) 3.0 (1) 2.0 (1)

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

**Beef** 3.0 (1) 3.0 (1) 2.0 (1) 3.0 (1)

**Dairy** 3.0 (1)

**Sheep** 3.0 (1) 2.0 (1)

**Goat** 3.0 (1)

#### Mpumalanga

**Standerton, Econovet**

Beef: 3

#### Limpopo

**Bela-Bela, Warmbad Dierekliniek**

Beef: 3

#### North West

**Christiana, Christiana Dierehospitaal**

Sheep: 3, Goat: 3

#### Kwazulu-Natal

**Pietermaritzburg, Veterinary House Hospital**

Beef: 2

**Underberg, Underberg Veterinary Surgery**

Dairy: 3

#### Eastern Cape

**Humansdorp, Humansdorp Veterinary Clinic**

Beef: 3

#### Northern Cape

**Upington, Upington Veeartsenykliniek**

Sheep: 2

White muscle disease, ewes fed

### Magnesium deficiency

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

**Postmasburg, Postmasburg Dierekliniek**

Sheep: 2

**Manganese deficiency**

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

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

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

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

**Caledon, Overberg Veterinary Hospital**

Dairy: 2

**Iodine deficiency**

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

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

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

**Underberg, Underberg Veterinary Surgery**

Dairy: 2

**Vitamin A deficiency**

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

<b>Average</b>				3.0 (1)	2.4 (5)			1.0 (1)	3.0 (1)
----------------	--	--	--	---------	---------	--	--	---------	---------

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

<b>Beef</b>				3.0 (1)	2.3 (3)				
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<b>Sheep</b>										2.5 (2)			1.0 (1)	3.0 (1)
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**North West**

**Christiana, Christiana Dierehospitaal**

Beef: 3

**Free State**

**Hoopstad, Hoopstad Dierekliniek**

Beef: 3, Sheep: 3

**Villiers, Wilgepoort Dierekliniek Vennootskap**

Beef: 2, Sheep: 2

**Vrede, Saulshoek Dierepraktyk**

Beef: 2

**Western Cape**

**Riversdale, Riversdal Dierekliniek**

Sheep: 1

**Northern Cape**

**De Aar, De Aar Veterinary Clinic**

Sheep: 3

**Vitamin B 1 deficiency**

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

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

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

**Camperdown, Camperdown Vet Clinic**

Goat: 2

Vitamin B1 deficiency due to rumen disturbances after supplementary feeding

**Multi-factorial Disease Conditions**

**Abortions**

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>	1.9 (8)	1.0 (1)	3.0 (2)	2.5 (6)	1.8 (8)	2.2 (9)	2.5 (4)	1.8 (10)	

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 (6)	1.0 (1)	3.0 (2)	2.3 (4)	1.6 (5)	1.8 (6)	1.0 (1)	1.5 (4)	
<b>Dairy</b>						3.0 (2)		2.3 (4)	
<b>Sheep</b>	2.0 (2)			3.0 (2)	2.0 (3)		3.0 (1)	1.0 (1)	

**Goat**

3.0 (1)

3.0 (2)

2.0 (1)

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

Beef: 2

**Ermelo, Mōregloed Veterinêre Spreekkamer**

Beef: 2

**Grootvlei, Grootvlei Dierekliniek**

Beef: 1

**Hendrina, Mooiplaas Veterinêre Dienste**

Beef: 2

**Lydenburg, Longtom Dierekliniek**

Beef: 2, Sheep: 2

**Lydenburg, Lydenburg Dieresprekkamer**

Beef: 2

**Middelburg, Middelburg Dierehospitaal**

Sheep: 2

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

Beef: 1

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

Beef: 3

**Tzaneen, ZZ2 Farm Practice**

Beef: 3

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

Beef: 2

Numerous abortions in a herd - cause unknown

**Christiana, Christiana Dierehospitaal**

Beef: 3, Sheep: 3

**Klerksdorp, Klerksdorp Dierehospitaal**

Beef: 2

**Potchefstroom, Morvet**

Beef: 2

IBR

**Stella, Stella Dierekliniek**

Sheep: 3

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

Beef: 1

**Hoopstad, Hoopstad Dierekliniek**

Beef: 3, Sheep: 3

**Kroonstad, Kroonstad Dierehospitaal**

Beef: 1

**Philippolis, Rowelsfontein veearts Spreekkamer**

Sheep: 1

**Viljoenskroon, Viljoenskroon Dierekliniek**

Beef: 2

**Villiers, Wilgepoort Dierekliniek Vennootskap**

Sheep: 2

**Vrede, Vrede Dierehospitaal**

Beef: 1

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

Beef: 1

**Dundee, Endumeni Herd health**

Goat: 3

**Howick, Howick Veterinary Clinic**

Beef: 2, Dairy: 3

**Mooi River, Mooirivier Vet Clinic**

Beef: 2

**Newcastle, Ncanduvet Newcastle**

Beef: 1

**Pietermaritzburg, Veterinary House Hospital**

Beef: 2

**Underberg, Underberg Veterinary Surgery**

Beef: 3, Dairy: 3

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

Goat: 3

**Humansdorp, Humansdorp Veterinary Clinic**

Beef: 1

**Steynsburg, Steynsburg Dierehospitaal**

Sheep: 3, Goat: 3

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

Sheep: 1

**Beaufort West, Beaufort West State Vet**

Goat: 2

Severe cold conditions cause abortions in Angoras

**Malmesbury, Dr Otto Kriek**

Beef: 2

**Malmesbury, Malmesbury Dierehospitaal**

Beef: 2, Dairy: 3

**Riversdale, Riversdal Dierekliniek**

Dairy: 2

**Stellenbosch, Stellenbosch Animal Hospital**

Beef: 1, Dairy: 1

**Swellendam, Swellendam Dierehospitaal**

Dairy: 3

**Worcester, Durban Straat Dierekliniek Worcester**

Beef: 1

**Stillbirths**

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>	2.0 (3)	1.0 (1)		1.0 (1)	2.5 (4)	2.6 (5)		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 (2)	1.0 (1)		1.0 (1)	2.5 (2)	2.3 (3)		1.0 (1)	
<b>Dairy</b>						3.0 (2)		2.0 (2)	
<b>Sheep</b>	2.0 (1)				2.5 (2)				

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

Beef: 2

**Lydenburg, Longtom Dierekliniek**

Beef: 2, Sheep: 2

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

Beef: 1

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

Beef: 1

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

Beef: 2

**Hoopstad, Hoopstad Dierekliniek**

Beef: 3, Sheep: 3

**Villiers, Wilgepoort Dierekliniek Vennootskap**

Sheep: 2

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

Beef: 2

**Howick, Howick Veterinary Clinic**

Dairy: 3

**Pietermaritzburg, Veterinary House Hospital**

Beef: 2

**Underberg, Underberg Veterinary Surgery**

Beef: 3, Dairy: 3

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

Beef: 1, Dairy: 1

**Swellendam, Swellendam Dierehospitaal**

Dairy: 3

**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 (1)	2.0 (1)	2.0 (8)	1.7 (3)	2.0 (4)	2.2 (5)	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)	1.5 (2)	3.0 (1)	2.0 (1)	1.8 (4)	1.7 (3)	1.0 (1)	2.0 (1)	1.0 (1)
<b>Dairy</b>								2.5 (2)	
<b>Sheep</b>		2.0 (1)			2.3 (4)		2.5 (2)	2.0 (2)	1.0 (1)
<b>Goat</b>							2.0 (1)		

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

Beef: 1

## **Gauteng**

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

Beef: 2, Sheep: 2

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

Beef: 1

## **Limpopo**

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

Beef: 3

## **North West**

### **Ventersdorp, Ventersdorp Dierekliniek**

Beef: 2

## **Free State**

### **Bultfontein, Greylingrust Dieresprekkamer**

Sheep: 2

Two sheep

### **Clocolan, Clocolan Dierekliniek**

Beef: 2, Sheep: 1

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

Beef: 1

### **Hoopstad, Hoopstad Dierekliniek**

Beef: 3, Sheep: 3

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

Sheep: 3

Numerous abscesses due to poor hygienic conditions.

### **Wesselsbron, Wesselsbron Dierekliniek**

Beef: 1

## **Kwazulu-Natal**

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

Beef: 2

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

Beef: 1

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

Beef: 2

## **Eastern Cape**

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

Beef: 1

### **Bathurst, Dr Jane Pistorius**

Goat: 2

Three goats with foot abscesses

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

Sheep: 2

### **Steynsburg, Steynsburg Dierehospitaal**

Sheep: 3

## **Western Cape**

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

Dairy: 2, Sheep: 2

### **Malmesbury, Malmesbury Dierehospitaal**

Beef: 2, Dairy: 3, Sheep: 2

## **Northern Cape**

### **Kimberley, Kimberley Dierekliniek**

Beef: 1

One calf with abscess in abdomen

Sheep: 1

Ram with large abscess, *Corynebacterium paratuberculosis*



## Abscesses in general [^](#)

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)	1.0 (1)	3.0 (2)	2.3 (4)		3.0 (1)	2.3 (3)	

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

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

### Mpumalanga

#### Ermelo, Moregloed Veterinere Spreekkamer

Sheep: 1

#### Lydenburg, Longtom Dierkliniek

Beef: 2, Sheep: 2

#### Nelspruit, Nelspruit Animal Hospital

Goat: 2

### Gauteng

#### Bronkhorstspuit, Kerkstraat Dierkliniek

Goat: 1

### Limpopo

#### Polokwane, Pietersburg Veterinary Clinic

Sheep: 1

### North West

#### Christiana, Christiana Dierehospitaal

Beef: 3, Sheep: 3

### Free State

#### Clocolan, Clocolan Dierkliniek

Beef: 2, Sheep: 1

#### Hoopstad, Hoopstad Dierkliniek

Beef: 3, Sheep: 3

### Eastern Cape

#### Steynsburg, Steynsburg Dierehospitaal

Sheep: 3

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

<b>Sheep</b>	1.5 (2)	2.0 (2)	1.0 (2)
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#### **Mpumalanga**

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

Sheep: 1

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

Sheep: 2

#### **Free State**

##### **Hertzogville, Hertzogville Dierekliniek**

Sheep: 2

Two rams

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

Sheep: 2

#### **Western Cape**

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

Sheep: 1

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

Sheep: 1

### **Blindness**

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

#### **Gauteng**

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

Beef: 1

#### **Free State**

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

Beef: 3, Sheep: 3

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

Sheep: 2

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

Sheep: 2

#### **Kwazulu-Natal**

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

Dairy: 1

**Western Cape**

**Beaufort West, Beaufort West State Vet**

Sheep: 1

Contagious blindness introduced after farmer bought ewes

**Malmesbury, Malmesbury Dierehospitaal**

Dairy: 1

**Bloat**

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

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

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

**Mpumalanga**

**Grootvlei, Grootvlei Dierekliniek**

Beef: 1

**Volksrust, Cape Cross Volksrust Dierehospitaal**

Sheep: 2

**Gauteng**

**Bronkhorstspuit, Kerkstraat Dierekliniek**

Beef: 1

**Limpopo**

**Polokwane, Pietersburg Veterinary Clinic**

Beef: 1, Sheep: 1

**Free State**

**Clocolan, Clocolan Dierekliniek**

Beef: 1

**Ficksburg, Oosvrystaat Diere Produkte**

Beef: 1

Radish sits in distal oesophagus

**Wesselsbron, Wesselsbron Dierekliniek**

Beef: 1, Sheep: 1

**Kwazulu-Natal**

**Estcourt, Estcourt Vet Clinic**

Dairy: 3

**Howick, Howick Veterinary Clinic**

Dairy: 2, Sheep: 1

**Pietermaritzburg, Veterinary House Hospital**

Beef: 2

**Underberg, Underberg Veterinary Surgery**

Dairy: 1

**Western Cape**

**Beaufort West, Beaufort Dierekliniek**

Sheep: 2

**Malmesbury, Malmesbury Dierehospitaal**

Beef: 2, Dairy: 3

**Stellenbosch, Stellenbosch Animal Hospital**

Beef: 1

**Swellendam, Swellendam Dierehospitaal**

Dairy: 2

**Blue udder**

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

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

<b>Dairy</b>						2.0 (1)			
<b>Sheep</b>	1.0 (1)	1.0 (1)			2.0 (4)			2.3 (3)	
<b>Goat</b>							1.0 (1)		

**Mpumalanga**

**Lydenburg, Longtom Dierekliniek**

Sheep: 1

**Gauteng**

**Hammanskraal, Themba Animal Clinic**

Sheep: 1

**Free State**

**Kroonstad, Kroonstad Dierehospitaal**

Sheep: 2

**Philippolis, Rowelsfontein veearts Spreekkamer**

Sheep: 2

**Villiers, Wilgepoort Dierekliniek Vennootskap**

Sheep: 2

**Wesselsbron, Wesselsbron Dierekliniek**

Sheep: 2

**Kwazulu-Natal**

**Estcourt, Estcourt Vet Clinic**

Dairy: 2

**Eastern Cape**

**Uitenhage, Uitenhage Dierehospitaal**

Goat: 1

**Western Cape**

**Heidelberg (WC), Heidelberg Dierekliniek**

Sheep: 2

**Malmesbury, Malmesbury Dierehospitaal**

Sheep: 2

**Oudtshoorn, Ostrimed**

Sheep: 3

New arrivals to feedlot – pressure to process, young lambs and calves bottle fed – management pressure to finish cut teats larger to force milk.

Diarrhoea									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>	1.6 (7)	1.0 (1)	2.0 (2)	2.7 (3)	2.3 (6)	2.0 (6)	2.0 (2)	2.3 (8)	1.0 (1)
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
<b>Beef</b>	1.7 (6)	1.0 (1)	2.0 (2)	2.5 (2)	2.5 (2)	2.0 (4)	2.0 (2)	2.0 (1)	
<b>Dairy</b>					2.0 (1)			2.5 (4)	
<b>Sheep</b>	1.0 (1)			3.0 (1)	2.3 (3)	2.0 (1)		2.0 (3)	
<b>Goat</b>						2.0 (1)			1.0 (1)
<b>Mpumalanga</b>									
<b>Balfour, Balfour Dierekliniek</b>									
Beef: 1									
<b>Grootvlei, Grootvlei Dierekliniek</b>									
Beef: 2, Sheep: 1									
<b>Hendrina, Mooiplaas Veterinêre Dienste</b>									
Beef: 1									
Calf									
<b>Lydenburg, Longtom Dierekliniek</b>									
Beef: 2									
<b>Lydenburg, Lydenburg Dieresprekkamer</b>									
Beef: 2									
<b>Middelburg, Middelburg Dierehospitaal</b>									
Beef: 2									
<b>Gauteng</b>									
<b>Hammanskraal, Themba Animal Clinic</b>									
Beef: 1									
<b>Limpopo</b>									
<b>Mokopane, Dr Henk Visser</b>									
Beef: 2									
<b>Tzaneen, ZZ2 Farm Practice</b>									
Beef: 2									
High veld weaner heifers									
<b>North West</b>									
<b>Christiana, Christiana Dierehospitaal</b>									
Beef: 3, Sheep: 3									
<b>Klerksdorp, Klerksdorp Dierehospitaal</b>									
Beef: 2									
<b>Free State</b>									
<b>Clocolan, Clocolan Dierekliniek</b>									
Beef: 2, Dairy: 2, Sheep: 2									
<b>Hoopstad, Hoopstad Dierekliniek</b>									
Beef: 3, Sheep: 3									
<b>Kroonstad, Kroonstad Dierehospitaal</b>									

Sheep: 2

**Kwazulu-Natal**

**Bergville, Bergville Veterinary Clinic**

Beef: 2

**Bergville, Tugela Vet Clinic**

Beef: 2, Sheep: 2, Goat: 2

**Mooi River, Mooirivier Vet Clinic**

Beef: 3

**Pongola, Pongola Animal Clinic**

Beef: 1

**Eastern Cape**

**Humansdorp, Humansdorp Veterinary Clinic**

Beef: 2

**Somerset East, Bosberg Veterinary Clinic**

Beef: 2

Two Jerseys died, five others died

**Western Cape**

**Caledon, Overberg Veterinary Hospital**

Dairy: 3, Sheep: 2

**Darling, Tygerberg Dierehospitaal Darling**

Dairy: 3

**Malmesbury, Dr Otto Kriek**

Dairy: 1

**Malmesbury, Malmesbury Dierehospitaal**

Beef: 2, Dairy: 3, Sheep: 2

**Oudtshoorn, Ostrimed**

Sheep: 2

**Northern Cape**

**Kathu, Kathu Dierekliniek**

Goat: 1

**Epididymitis**

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

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

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

**Bethal, Bethal Dierekliniek**

Sheep: 1

**Ermelo, Moregloed Veterinere Spreekkamer**

Sheep: 2

**Gauteng**

**Bronkhorstspuit, Kerkstraat Dierekliniek**

Sheep: 2

**Free State**

**Clocolan, Clocolan Dierekliniek**

Sheep: 1

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

Sheep: 2

Epididymitis found during testing of rams

**Eye Cancer**

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>		1.0 (1)			1.5 (4)	3.0 (2)		1.7 (3)	

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

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

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

Beef: 1

Enucleation

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

Dairy: 2

**Kroonstad, Kroonstad Dierehospitaal**

Beef: 1, Sheep: 2

**Ladybrand, Ladybrand Dierekliniek**

Dairy: 1

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

Dairy: 3

**Underberg, Underberg Veterinary Surgery**

Dairy: 3

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

Beef: 1, Dairy: 2

**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>	1.4 (5)	2.0 (1)		3.0 (1)	1.6 (10)	2.3 (4)	1.5 (2)	1.9 (8)	2.0 (5)

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

<b>Beef</b>	1.3 (3)	2.0 (1)		3.0 (1)	1.6 (5)	2.0 (2)	1.0 (1)	1.8 (4)	2.0 (2)
<b>Dairy</b>					1.0 (1)	2.5 (2)		3.0 (1)	
<b>Sheep</b>	1.5 (2)				1.8 (4)		2.0 (1)	1.7 (3)	2.5 (2)
<b>Goat</b>									1.0 (1)

### **Mpumalanga**

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

Sheep: 1

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

Beef: 1

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

Beef: 2, Sheep: 2

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

Beef: 1

### **Gauteng**

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

Beef: 2

### **North West**

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

Beef: 3

### **Free State**

#### **Bethlehem, Union Street Animal Consulting Rooms**

Sheep: 2

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

Beef: 1, Dairy: 1, Sheep: 1

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

Beef: 2, Sheep: 2

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

Beef: 2, Sheep: 2

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

Beef: 2

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

Beef: 1

### **Kwazulu-Natal**

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

Dairy: 2

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

Dairy: 3

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

Beef: 2

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

Beef: 2

### **Eastern Cape**

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

Beef: 1

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

Sheep: 2

### **Western Cape**



**Caledon, Overberg Veterinary Hospital**

Beef: 2

**George, George Animal Hospital**

Sheep: 3

**Malmesbury, Malmesbury Dierehospitaal**

Beef: 2, Dairy: 3

**Oudtshoorn, Ostrimed**

Beef: 1, Sheep: 1

**Swellendam, Swellendam Dierehospitaal**

Beef: 2

**Worcester, Durban Straat Dierekliniek Worcester**

Sheep: 1

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

Sheep: 3

Dust

**Kathu, Kathu Dierekliniek**

Beef: 1

**Kimberley, Kimberley Dierekliniek**

Beef: 3

Keratoconjunctivitis

**Postmasburg, Postmasburg Dierekliniek**

Sheep: 2, Goat: 1

**Joint Ill**

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

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

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

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

Beef: 2

Calves from one farmer, multiple joints

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

Sheep: 1

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

Beef: 2

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

Sheep: 2

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

Dairy: 1

**Western Cape**

**Caledon, Overberg Veterinary Hospital**

Sheep: 2

**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
<b>Average</b>	1.5 (4)	1.8 (6)	3.0 (2)	3.0 (1)	1.9 (8)	1.5 (6)	1.0 (2)	2.3 (7)	

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

<b>Beef</b>	1.5 (4)	2.0 (2)	3.0 (1)	3.0 (1)	1.9 (7)	1.5 (4)	1.0 (1)	2.0 (3)	
<b>Dairy</b>						2.0 (1)		2.7 (3)	
<b>Sheep</b>		1.5 (2)			2.0 (1)		1.0 (1)	2.0 (1)	
<b>Goat</b>		2.0 (2)	3.0 (1)			1.0 (1)			

**Mpumalanga**

**Balfour, Balfour Dierekliniek**

Beef: 1

**Ermelo, Mōregloed Veterinêre Spreekkamer**

Beef: 1

**Lydenburg, Longtom Dierekliniek**

Beef: 2

**Middelburg , Middelburg Dierehospitaal**

Beef: 2

**Gauteng**

**Hammanskraal, Themba Animal Clinic**

Beef: 2, Goat: 3

**Pretoria, Anima Veterinary Consulting Rooms**

Sheep: 2

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

Beef: 2

4 cases

Sheep: 1, Goat: 1

**Limpopo**

**Bela-Bela, Warmbad Dierekliniek**

Beef: 3, Goat: 3

**North West**

**Christiana, Christiana Dierehospitaal**

Beef: 3

**Free State**

**Bethlehem, Union Street Animal Consulting Rooms**

Beef: 1

**Bultfontein, Greylingrust Dierspreekkamer**

Beef: 2

Two bulls

**Clocolan, Clocolan Dierekliniek**

Beef: 2

**Ficksburg, Oosvrystaat Diere Produkte**

Beef: 2

Bulls in maize fields without Landelek. Bull fed only maize

**Ladybrand, Ladybrand Dierekliniek**

Beef: 2, Sheep: 2

**Viljoenskroon, Viljoenskroon Dierekliniek**

Beef: 2

**Wesselsbron, Wesselsbron Dierekliniek**

Beef: 2

**Kwazulu-Natal**

**Bergville, Tugela Vet Clinic**

Beef: 1, Goat: 1

**Howick, Howick Veterinary Clinic**

Dairy: 2

**Mooi River, Mooirivier Vet Clinic**

Beef: 2

**Newcastle, Ncanduvet Newcastle**

Beef: 1

**Pietermaritzburg, Veterinary House Hospital**

Beef: 2

**Eastern Cape**

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

Sheep: 1

**Uitenhage, Uitenhage Dierehospitaal**

Beef: 1

**Western Cape**

**Darling, Tygerberg Dierehospitaal Darling**

Dairy: 3

**George, George Animal Hospital**

Dairy: 2

**Malmesbury, Groenkloof Dierekliniek**

Beef: 2

**Malmesbury, Malmesbury Dierehospitaal**

Beef: 2, Dairy: 3, Sheep: 2

**Worcester, Durban Straat Dierekliniek Worcester**

Beef: 2

Lung infection									<a href="#">^</a>
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.2 (13)	2.0 (7)	3.0 (6)	2.8 (4)	2.2 (19)	2.1 (12)	1.5 (2)	2.1 (13)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef	2.3 (8)	1.7 (3)	3.0 (2)	2.5 (2)	2.1 (13)	2.1 (7)	1.5 (2)	1.5 (2)	
Dairy						2.5 (2)		2.2 (6)	

<b>Sheep</b>	2.3 (4)	3.0 (2)	3.0 (2)	3.0 (2)	2.3 (6)	1.5 (2)	2.2 (5)
<b>Goat</b>	2.0 (1)	1.5 (2)	3.0 (2)			2.0 (1)	

### **Mpumalanga**

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

Beef: 2, Sheep: 2

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

Beef: 1

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

Beef: 3, Sheep: 3

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

Beef: 2, Sheep: 1

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

Beef: 3

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

Beef: 3, Sheep: 3, Goat: 2

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

Beef: 3

#### **Piet Retief, Pets Vet Hospital**

Beef: 1

### **Gauteng**

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

Beef: 1

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

Goat: 2

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

Beef: 3

Reported by farmers

Sheep: 3

Reported by farmers

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

Sheep: 3

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

Beef: 1, Goat: 1

Pasteurellosis

### **Limpopo**

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

Beef: 3, Sheep: 3, Goat: 3

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

Beef: 3, Sheep: 3, Goat: 3

### **North West**

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

Beef: 3, Sheep: 3

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

Sheep: 3

#### **Potchefstroom, Morvet**

Beef: 2

Pasteurellosis

### **Free State**

#### **Bethlehem, Union Street Animal Consulting Rooms**

Beef: 1

#### **Bultfontein, Greylingrust Diersprekkamer**

Beef: 1

Cow

**Clocolan, Clocolan Dierekliniek**

Beef: 2, Sheep: 2

**Dewetsdorp, Platkop Dierekliniek**

Beef: 2, Sheep: 2

**Hoopstad, Hoopstad Dierekliniek**

Beef: 3, Sheep: 3

**Kroonstad, Kroonstad Dierehospitaal**

Beef: 2, Sheep: 2

**Ladybrand, Ladybrand Dierekliniek**

Beef: 3

**Memel, Memel Veterinary Clinic**

Beef: 2

**Viljoenskroon, Viljoenskroon Dierekliniek**

Beef: 3

**Villiers, Wilgepoort Dierekliniek Vennootskap**

Beef: 2, Sheep: 3

**Vrede, Saulshoek Dieredpraktik**

Beef: 3, Sheep: 2

**Vrede, Vrede Dierehospitaal**

Beef: 2

**Wesselsbron, Wesselsbron Dierekliniek**

Beef: 1

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

Beef: 2, Sheep: 2, Goat: 2

**Eshowe, Eshowe Veterinary Hospital**

Beef: 2

Six cattle died due to pneumonia - unknown cause

**Estcourt, Estcourt Vet Clinic**

Dairy: 2

**Mooi River, Mooirivier Vet Clinic**

Beef: 2, Sheep: 1

**Mtubatuba, Mtubatuba Animal Clinic**

Beef: 1

**Newcastle, Ncanduvet Newcastle**

Beef: 3

**Underberg, Underberg Veterinary Surgery**

Beef: 2, Dairy: 3

**Vryheid, Vryheid Privaat Veeartse**

Beef: 3

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

Beef: 1

**Somerset East, Bosberg Veterinary Clinic**

Beef: 2

Four cases, 2 died, could not culture *Mannheimia*

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

Sheep: 2

*Mannheimia haemolytica* cultured

**Caledon, Overberg Veterinary Hospital**

Sheep: 2

**Darling, Tygerberg Dierehospitaal Darling**

Dairy: 3

**Heidelberg (WC), Heidelberg Dierekliniek**

Dairy: 2, Sheep: 2

**Malmesbury, Dr Otto Kriek**

Dairy: 1

**Malmesbury, Invitrotech**

Dairy: 2

6 out of a herd of 4 700 cows; pneumonia in calves, day old to 3 weeks

**Malmesbury, Malmesbury Dierehospitaal**

Beef: 2, Dairy: 3, Sheep: 2

**Oudtshoorn, Ostrimed**

Sheep: 3

Aspiration pneumonia

**Swellendam, Swellendam Dierehospitaal**

Dairy: 2

**Worcester, Durban Straat Dierekliniek Worcester**

Beef: 1

**Mastitis in general**

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>	1.0 (4)	1.5 (2)	1.0 (1)	2.3 (3)	1.5 (6)	1.9 (7)	1.5 (2)	2.7 (9)	

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

<b>Beef</b>	1.0 (1)		1.0 (1)	3.0 (1)	1.5 (2)	1.5 (4)	1.5 (2)		
<b>Dairy</b>	1.0 (2)				1.0 (2)	3.0 (2)		2.8 (8)	
<b>Sheep</b>	1.0 (1)	2.0 (1)		2.0 (2)	2.0 (2)	1.0 (1)		2.0 (1)	
<b>Goat</b>		1.0 (1)							

**Mpumalanga**

**Balfour, Balfour Dierekliniek**

Beef: 1, Sheep: 1

**Lydenburg, Longtom Dierekliniek**

Dairy: 1

**Lydenburg, Lydenburg Dieresprekkamer**

Dairy: 1

**Gauteng**

**Hammanskraal, Themba Animal Clinic**

Goat: 1

**Pretoria, Anima Veterinary Consulting Rooms**

Sheep: 2

**Limpopo**

**Bela Bela, Artemis Veterinary Services**

Beef: 1

**North West**

**Christiana, Christiana Dierehospitaal**

Beef: 3, Sheep: 3

**Klerksdorp, Klerksdorp Dierehospitaal**

Sheep: 1

### Free State

#### Clocolan, Clocolan Dierekliniek

Beef: 1, Dairy: 1

#### Kroonstad, Kroonstad Dierehospitaal

Sheep: 2

#### Parys, Parys Dierehospitaal

Beef: 2

#### Wesselsbron, Wesselsbron Dierekliniek

Dairy: 1, Sheep: 2

### Kwazulu-Natal

#### Bergville, Tugela Vet Clinic

Beef: 1, Sheep: 1

#### Estcourt, Estcourt Vet Clinic

Dairy: 3

#### Howick, Howick Veterinary Clinic

Dairy: 3

#### Mooi River, Mooirivier Vet Clinic

Beef: 2

#### Mtubatuba, Mtubatuba Animal Clinic

Beef: 1

#### Pongola, Pongola Animal Clinic

Beef: 2

### Eastern Cape

#### Alexandria, Alexandria Platteland Spreekkamer

Beef: 1

#### Somerset East, Bosberg Veterinary Clinic

Beef: 2

Mastitis in the same Jersey herd as above. One cow with *Staphylococcus epidermidis*, *Enterococcus* and *Corynebacterium* cultured

### Western Cape

#### Caledon, Overberg Veterinary Hospital

Dairy: 2

#### Darling, Tygerberg Dierehospitaal Darling

Dairy: 3

#### George, George Animal Hospital

Dairy: 3

#### Heidelberg (WC), Heidelberg Dierekliniek

Dairy: 2

#### Malmesbury, Dr Otto Kriek

Dairy: 3

An interesting exercise would be to compare the cost of these problems (deaths/culls/milk loss etc) to the cost of managing paddocks/sleeping quarters of dairy cows.

#### Malmesbury, Malmesbury Dierehospitaal

Dairy: 3, Sheep: 2

#### Oudtshoorn, Ostrimed

Dairy: 3

Dairy - workers want to finish milking asap, slit orifices of teats to force milk out.

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

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

#### **Mpumalanga**

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

Sheep: 2

#### **Gauteng**

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

Sheep: 1

#### **Limpopo**

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

Sheep: 1

#### **Free State**

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

Sheep: 1

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

Beef: 1

#### **Kwazulu-Natal**

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

Dairy: 2

#### **Western Cape**

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

Dairy: 2

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

Dairy: 1

#### **Northern Cape**

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

Beef: 1

One calf with umbilical hernia

### **Red gut (Sheep) torsion**



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

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

<b>Sheep</b>	3.0 (1)				2.0 (1)			1.0 (1)	
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#### **Mpumalanga**

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



Sheep: 3

**Free State**

**Villiers, Wilgepoort Dierekliniek Vennootskap**

Sheep: 2

**Western Cape**

**Riversdale, Riversdal Dierekliniek**

Sheep: 1

**Trauma**

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)			2.0 (2)			1.5 (2)	

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

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

**Mpumalanga**

**Hendrina, Mooiplaas Veterinêre Dienste**

Beef: 1

**Lydenburg, Longtom Dierekliniek**

Sheep: 1

**Gauteng**

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

Beef: 1

Laceration

**Free State**

**Dewetsdorp, Platkop Dierekliniek**

Beef: 2

**Kroonstad, Kroonstad Dierehospitaal**

Beef: 2

**Western Cape**

**Riversdale, Riversdal Dierekliniek**

Sheep: 2

**Worcester, Durban Straat Dierekliniek Worcester**

Beef: 1

**Downer**

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

### Mpumalanga

#### Bethal, Bethal Dierekliniek

Beef: 1

#### Lydenburg, Longtom Dierekliniek

Beef: 1

#### Volksrust, Cape Cross Volksrust Dierehospitaal

Beef: 1

### Gauteng

#### Hammanskraal, Themba Animal Clinic

Beef: 2

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

Beef: 2

Five cases

### Limpopo

#### Polokwane, Pietersburg Veterinary Clinic

Beef: 1

### Free State

#### Kroonstad, Kroonstad Dierehospitaal

Beef: 2

#### Wesselsbron, Wesselsbron Dierekliniek

Beef: 1

### Kwazulu-Natal

#### Estcourt, Estcourt Vet Clinic

Dairy: 2

#### Howick, Howick Veterinary Clinic

Beef: 2, Dairy: 2

#### Pietermaritzburg, Veterinary House Hospital

Beef: 2

### Western Cape

#### Worcester, Durban Straat Dierekliniek Worcester

Beef: 1

### Northern Cape

#### Postmasburg, Postmasburg Dierekliniek

Beef: 2

## Other

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

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

Beef: 1

Vagal indigestion

### Limpopo

**Modimolle, Kranskop Dierekliniek**

Beef: 1

One cow and one calf with cerebro-cortical necrosis

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

Beef: 1

Pseudomonolysis

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

Beef: 1

Brahman cow with haemorrhagic diathesis (histology done)

**Vestubular syndrome (Middle ear infection)**

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

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

Beef: 1

**Free State****Vrede, Vrede Dierehospitaal**

Sheep: 2

Four ewes died due to deficient roughage, only ate Molovite. Milk stomach impacted, no food in small intestine.

**Metabolic Diseases****Acidosis**

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>	1.8 (5)	1.5 (2)	1.6 (5)		2.6 (15)	1.5 (2)	3.0 (1)	2.3 (3)	

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

<b>Beef</b>	2.0 (2)	1.0 (1)	1.5 (2)		2.5 (6)	1.0 (1)		2.0 (1)	
<b>Dairy</b>								3.0 (1)	
<b>Sheep</b>	1.7 (3)	2.0 (1)	2.0 (2)		2.7 (9)		3.0 (1)	2.0 (1)	
<b>Goat</b>			1.0 (1)			2.0 (1)			

## **Mpumalanga**

### **Ermelo, Môregloed Veterinêre Spreekkamer**

Sheep: 1

### **Standerton, Econovet**

Beef: 2, Sheep: 2

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

Beef: 2, Sheep: 2

## **Gauteng**

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

Beef: 1, Sheep: 2

Eight cases

## **Limpopo**

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

Beef: 1, Sheep: 3

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

Beef: 2, Sheep: 1, Goat: 1

## **Free State**

### **Clocolan, Clocolan Dierekliniek**

Beef: 3, Sheep: 3

### **Frankfort, Frankfort Dierekliniek**

Beef: 3

Too much maize and soya

Sheep: 3

Too much maize and soya

### **Hoopstad, Hoopstad Dierekliniek**

Beef: 3, Sheep: 3

### **Kroonstad, Kroonstad Dierehospitaal**

Sheep: 2

### **Ladybrand, Ladybrand Dierekliniek**

Sheep: 3

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

Beef: 3, Sheep: 3

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

Beef: 2, Sheep: 3

### **Vrede, Vrede Dierehospitaal**

Sheep: 2

Three cases

### **Wesselsbron, Wesselsbron Dierekliniek**

Beef: 1, Sheep: 2

## **Kwazulu-Natal**

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

Goat: 2

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

Beef: 1

## **Eastern Cape**

### **Cradock, Cradock Veterinary Clinic**

Sheep: 3

Lambs on stubble

## **Western Cape**

### **Malmesbury, Malmesbury Dierehospitaal**

Beef: 2, Dairy: 3

### **Oudtshoorn, Ostrimed**

Sheep: 2

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>		1.0 (2)				2.3 (4)		3.0 (2)	

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

<b>Dairy</b>		1.0 (2)				2.3 (4)		3.0 (2)	
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#### Gauteng

##### Hammanskraal, Themba Animal Clinic

Dairy: 1

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

Dairy: 1

#### Kwazulu-Natal

##### Dundee, Endumeni Herd health

Dairy: 1

##### Estcourt, Estcourt Vet Clinic

Dairy: 3

##### Howick, Howick Veterinary Clinic

Dairy: 3

##### Underberg, Underberg Veterinary Surgery

Dairy: 2

#### Western Cape

##### Darling, Tygerberg Dierehospitaal Darling

Dairy: 3

##### Malmesbury, Malmesbury Dierehospitaal

Dairy: 3

## Ketosis

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>	1.0 (1)				1.8 (4)	2.0 (1)		2.0 (3)	

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

<b>Dairy</b>						2.0 (1)		3.0 (1)	
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<b>Sheep</b>					1.8 (4)			1.5 (2)	
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<b>Goat</b>	1.0 (1)								
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#### Mpumalanga

##### Nelspruit, Nelspruit Animal Hospital

Goat: 1

#### Free State

##### Dewetsdorp, Platkop Dierekliniek

Sheep: 2

##### Hoopstad, Hoopstad Dierekliniek

Sheep: 3

##### Kroonstad, Kroonstad Dierehospitaal

Sheep: 1

**Wesselsbron, Wesselsbron Dierekliniek**

Sheep: 1

**Kwazulu-Natal**

**Underberg, Underberg Veterinary Surgery**

Dairy: 2

**Western Cape**

**Heidelberg (WC), Heidelberg Dierekliniek**

Sheep: 1

**Malmesbury, Malmesbury Dierehospitaal**

Dairy: 3, Sheep: 2

## Milk Fever

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>					3.0 (1)	2.3 (4)	1.0 (1)	1.8 (6)	

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

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

**Free State**

**Kroonstad, Kroonstad Dierehospitaal**

Dairy: 3

**Kwazulu-Natal**

**Bergville, Bergville Veterinary Clinic**

Beef: 2

**Estcourt, Estcourt Vet Clinic**

Dairy: 2

**Howick, Howick Veterinary Clinic**

Dairy: 3

**Underberg, Underberg Veterinary Surgery**

Dairy: 2

**Eastern Cape**

**Kareedouw, Tenax Vet Clinic**

Dairy: 1

**Western Cape**

**Heidelberg (WC), Heidelberg Dierekliniek**

Dairy: 2, Sheep: 2

**Malmesbury, Malmesbury Dierehospitaal**

Beef: 2, Dairy: 2, Sheep: 2

**Stellenbosch, Stellenbosch Animal Hospital**

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>	1.9 (14)	2.0 (8)	2.2 (5)	2.4 (7)	2.2 (24)	2.4 (14)	1.2 (5)	2.0 (17)	

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>	2.1 (9)	2.0 (2)	2.0 (3)	2.4 (5)	2.1 (14)	2.4 (10)	1.0 (3)	2.3 (6)	
<b>Dairy</b>					3.0 (1)	2.3 (3)	2.0 (1)	1.9 (8)	
<b>Sheep</b>	1.5 (4)	2.0 (4)	2.5 (2)	2.5 (2)	2.2 (9)	2.0 (1)	1.0 (1)	1.7 (3)	
<b>Goat</b>	1.0 (1)	2.0 (2)							

#### Mpumalanga

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

Beef: 1, Sheep: 1, Goat: 1

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

Beef: 2

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

Beef: 2

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

Beef: 3, Sheep: 1

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

Beef: 2, Sheep: 2

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

Beef: 2

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

Beef: 3

##### **Piet Retief, Pets Vet Hospital**

Beef: 2

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

Beef: 2, Sheep: 2

#### Gauteng

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

Beef: 2, Sheep: 2

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

Goat: 2

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

Sheep: 2

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

Sheep: 2

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

Beef: 2

Four cases

Sheep: 2

Two cases

Goat: 2

#### Limpopo

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

Beef: 3, Sheep: 3

**Modimolle, Kranskop Dierekliniek**

Beef: 1, Sheep: 2

Four sheep

**Mokopane, Dr Henk Visser**

Beef: 2

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

Beef: 2

**Christiana, Christiana Dierehospitaal**

Beef: 3, Sheep: 3

**Klerksdorp, Klerksdorp Dierehospitaal**

Beef: 2, Sheep: 2

**Leeudoringstad, Leeudoringstad Dierekliniek**

Beef: 2

**Ventersdorp, Ventersdorp Dierekliniek**

Beef: 3

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

Beef: 3

**Clocolan, Clocolan Dierekliniek**

Beef: 2, Sheep: 2

**Dewetsdorp, Platkop Dierekliniek**

Beef: 2

**Ficksburg, Oosvrystaat Diere Produkte**

Beef: 3, Sheep: 3

**Frankfort, Frankfort Dierekliniek**

Beef: 3, Sheep: 3

**Hertzogville, Hertzogville Dierekliniek**

Beef: 2

Three cattle

**Hoopstad, Hoopstad Dierekliniek**

Beef: 3, Sheep: 3

**Kroonstad, Kroonstad Dierehospitaal**

Beef: 2, Dairy: 3

**Ladybrand, Ladybrand Dierekliniek**

Beef: 1, Sheep: 2

**Memel, Memel Veterinary Clinic**

Beef: 2, Sheep: 2

**Philippolis, Rowelsfontein veearts Spreekkamer**

Sheep: 1

**Villiers, Wilgepoort Dierekliniek Vennootskap**

Beef: 2, Sheep: 2

**Vrede, Saulshoek Dierepraktyk**

Beef: 1

**Vrede, Vrede Dierehospitaal**

Beef: 2

Four cases

**Wesselsbron, Wesselsbron Dierekliniek**

Beef: 2, Sheep: 2

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

Beef: 3

**Bergville, Tugela Vet Clinic**

Beef: 2

**Dundee, Endumeni Herd health**



Beef: 3

**Estcourt, Estcourt Vet Clinic**

Beef: 3, Dairy: 2

**Howick, Howick Veterinary Clinic**

Beef: 3, Dairy: 3

**Mooi River, Mooirivier Vet Clinic**

Beef: 3

**Newcastle, Ncanduvet Newcastle**

Beef: 3

**Pietermaritzburg, Veterinary House Hospital**

Beef: 1

**Pongola, Pongola Animal Clinic**

Beef: 1

**Underberg, Underberg Veterinary Surgery**

Beef: 2, Dairy: 2, Sheep: 2

**Eastern Cape**

**Cradock, Cradock Veterinary Clinic**

Beef: 1

Heifer

**Humansdorp, Humansdorp Veterinary Clinic**

Beef: 1

**Kareedouw, Tenax Vet Clinic**

Dairy: 2

**Uitenhage, Uitenhage Dierehospitaal**

Beef: 1, Sheep: 1

**Western Cape**

**Caledon, Overberg Veterinary Hospital**

Beef: 2, Dairy: 2, Sheep: 2

**Ceres, Ceres Veterinary Hospital**

Dairy: 1

**Darling, Tygerberg Dierehospitaal Darling**

Beef: 3, Dairy: 3

**Malmesbury, Groenkloof Dierekliniek**

Beef: 2

**Malmesbury, Malmesbury Dierehospitaal**

Beef: 2, Dairy: 2, Sheep: 2

**Oudtshoorn, Ostrimed**

Sheep: 1

**Riversdale, Riversdal Dierekliniek**

Dairy: 2

**Stellenbosch, Stellenbosch Animal Hospital**

Beef: 2, Dairy: 1

**Swellendam, Swellendam Dierehospitaal**

Dairy: 2

**Wellington, Wellington Dierehospitaal**

Beef: 3

**Worcester, Durban Straat Dierekliniek Worcester**

Dairy: 2

**Endometritis**



PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
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<b>Average</b>	2.0 (1)	3.0 (2)	2.0 (1)	2.8 (4)
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Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

<b>Dairy</b>	2.0 (1)	3.0 (2)	2.0 (1)	2.8 (4)
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#### Free State

##### Kroonstad, Kroonstad Dierehospitaal

Dairy: 2

#### Kwazulu-Natal

##### Howick, Howick Veterinary Clinic

Dairy: 3

##### Underberg, Underberg Veterinary Surgery

Dairy: 3

#### Eastern Cape

##### Alexandria, Riverview Trading Vet Consulting Services

Dairy: 2

#### Western Cape

##### Caledon, Overberg Veterinary Hospital

Dairy: 2

##### Heidelberg (WC), Heidelberg Dierkliniek

Dairy: 3

##### Malmesbury, Malmesbury Dierehospitaal

Dairy: 3

##### Swellendam, Swellendam Dierehospitaal

Dairy: 3

### Metritis

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)	2.0 (1)	3.0 (2)	2.5 (2)	2.7 (3)	2.0 (2)	2.2 (5)	

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

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

#### Mpumalanga

##### Lydenburg, Longtom Dierkliniek

Sheep: 1

##### Volkstrust, Cape Cross Volkstrust Dierehospitaal

Sheep: 1

#### Gauteng

##### Hammanskraal, Themba Animal Clinic

Goat: 1

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

Beef: 2

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

Beef: 3, Sheep: 3

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

Beef: 2

**Viljoenskroon, Viljoenskroon Dierekliniek**

Beef: 3

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

Dairy: 3

**Mooi River, Mooirivier Vet Clinic**

Beef: 2

**Underberg, Underberg Veterinary Surgery**

Dairy: 3

**Eastern Cape****Kareedouw, Tenax Vet Clinic**

Dairy: 3

227 cases of metritis

**Somerset East, Bosberg Veterinary Clinic**

Sheep: 1

One ewe died due to metritis caused by *Clostridium perfringens***Western Cape****Darling, Tygerberg Dierehospitaal Darling**

Dairy: 3

**Malmesbury, Dr Otto Kriek**

Dairy: 1

An interesting exercise would be to compare the cost of these problems (deaths/culls/milkloss etc) to the cost of managing paddocks/sleeping quarters of dairy cows.

**Malmesbury, Malmesbury Dierehospitaal**

Beef: 2, Dairy: 3

**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>	2.0 (2)	2.0 (1)	1.0 (1)	1.0 (3)	2.0 (2)	2.7 (3)	3.0 (1)	2.3 (4)	2.0 (1)
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
<b>Beef</b>	2.0 (2)	2.0 (1)	1.0 (1)	1.0 (2)	2.0 (2)	2.0 (1)	3.0 (1)	2.0 (1)	2.0 (1)
<b>Dairy</b>						3.0 (2)		2.5 (2)	
<b>Sheep</b>				1.0 (1)				2.0 (1)	

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

Beef: 1

**Volkstrust, Cape Cross Volkstrust Dierehospitaal**

Beef: 3

**Gauteng**

**Hammanskraal, Themba Animal Clinic**

Beef: 2

**Limpopo**

**Polokwane, Pietersburg Veterinary Clinic**

Beef: 1

**North West**

**Christiana, Christiana Dierehospitaal**

Beef: 1

**Klerksdorp, Klerksdorp Dierehospitaal**

Beef: 1, Sheep: 1

**Free State**

**Kroonstad, Kroonstad Dierehospitaal**

Beef: 1

**Vrede, Saulshoek Dierpraktijk**

Beef: 3

**Kwazulu-Natal**

**Howick, Howick Veterinary Clinic**

Dairy: 3

**Underberg, Underberg Veterinary Surgery**

Beef: 2, Dairy: 3

**Eastern Cape**

**Steynsburg, Steynsburg Dierehospitaal**

Beef: 3

**Western Cape**

**Caledon, Overberg Veterinary Hospital**

Dairy: 2

**Malmesbury, Malmesbury Dierehospitaal**

Beef: 2, Dairy: 3, Sheep: 2

**Northern Cape**

**Kathu, Kathu Dierekliniek**

Beef: 2

**Retained afterbirth**

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
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<b>Average</b>	1.7 (6)			2.5 (4)	1.0 (1)	2.0 (7)		2.0 (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 (3)			2.3 (3)	1.0 (1)	2.0 (3)		2.0 (1)	
<b>Dairy</b>						2.3 (3)		2.0 (3)	
<b>Sheep</b>	1.3 (3)			3.0 (1)					
<b>Goat</b>						1.0 (1)			

**Mpumalanga**

**Balfour, Balfour Dierekliniek**

Sheep: 1

**Grootvlei, Grootvlei Dierekliniek**

Beef: 2

**Lydenburg, Longtom Dierekliniek**

Beef: 2, Sheep: 2

**Nelspruit, Nelspruit Animal Hospital**

Beef: 2

**Volksrust, Cape Cross Volksrust Dierehospitaal**

Sheep: 1

**North West**

**Brits, Brits Dierekliniek**

Beef: 2

**Christiana, Christiana Dierehospitaal**

Beef: 3, Sheep: 3

**Leeudoringstad, Leeudoringstad Dierekliniek**

Beef: 2

**Free State**

**Wesselsbron, Wesselsbron Dierekliniek**

Beef: 1

**Kwazulu-Natal**

**Bergville, Bergville Veterinary Clinic**

Beef: 2

**Camperdown, Camperdown Vet Clinic**

Goat: 1

**Estcourt, Estcourt Vet Clinic**

Dairy: 2

**Howick, Howick Veterinary Clinic**

Dairy: 3

**Mooi River, Mooirivier Vet Clinic**

Beef: 2

**Pietermaritzburg, Veterinary House Hospital**

Beef: 2

**Underberg, Underberg Veterinary Surgery**

Dairy: 2

**Western Cape**

**Malmesbury, Malmesbury Dierehospitaal**

Beef: 2, Dairy: 3

**Stellenbosch, Stellenbosch Animal Hospital**

Dairy: 1

**Swellendam, Swellendam Dierehospitaal**

Dairy: 2

**Sheath Prolaps**

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

1.0 (1)

**Mpumalanga****Ermelo, Mōregloed Veterinêre Spreekkamer**

Beef: 1

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

Beef: 1

Hemi-orchidectomy

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

Beef: 1

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

Beef: 2

**Vrede, Saulshoek Dierepraktyk**

Beef: 1

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

Beef: 2

**Howick, Howick Veterinary Clinic**

Beef: 1

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

Dairy: 1

**Stellenbosch, Stellenbosch Animal Hospital**

Beef: 1

**Uterus prolaps**

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>	1.7 (6)	1.0 (2)			1.8 (8)	2.0 (5)		1.4 (5)	

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

<b>Beef</b>	1.6 (5)				1.8 (4)	2.0 (2)		1.5 (2)	
<b>Dairy</b>		1.0 (1)				2.0 (3)		1.5 (2)	
<b>Sheep</b>	2.0 (1)	1.0 (1)			1.8 (4)			1.0 (1)	

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

Beef: 1

**Ermelo, Mōregloed Veterinêre Spreekkamer**

Beef: 2

**Grootvlei, Grootvlei Dierekliniek**

Beef: 2

**Lydenburg, Longtom Dierekliniek**

Beef: 2, Sheep: 2

**Volksrust, Cape Cross Volksrust Dierehospitaal**

Beef: 1

**Gauteng**

**Bronkhorstspuit, Kerkstraat Dierekliniek**

Dairy: 1, Sheep: 1

**Free State**

**Ficksburg, Oosvrystaat Diere Produkte**

Beef: 2, Sheep: 2

**Kroonstad, Kroonstad Dierehospitaal**

Sheep: 2

**Memel, Memel Veterinary Clinic**

Beef: 2

**Villiers, Wilgepoort Dierekliniek Vennootskap**

Beef: 2, Sheep: 2

**Wesselsbron, Wesselsbron Dierekliniek**

Beef: 1, Sheep: 1

**Kwazulu-Natal**

**Bergville, Bergville Veterinary Clinic**

Beef: 2

**Estcourt, Estcourt Vet Clinic**

Dairy: 2

**Howick, Howick Veterinary Clinic**

Dairy: 2

**Underberg, Underberg Veterinary Surgery**

Beef: 2, Dairy: 2

**Western Cape**

**Heidelberg (WC), Heidelberg Dierekliniek**

Dairy: 1

**Malmesbury, Malmesbury Dierehospitaal**

Beef: 2, Dairy: 2, Sheep: 1

**Stellenbosch, Stellenbosch Animal Hospital**

Beef: 1

**Vaginal (Cervical) prolaps**

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>	1.3 (4)	1.0 (2)	2.0 (1)		2.2 (13)	2.2 (5)	1.5 (2)	1.3 (4)	1.0 (1)

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

<b>Beef</b>	1.5 (2)	1.0 (2)	2.0 (1)		2.2 (5)	2.3 (4)	1.5 (2)	1.5 (2)	1.0 (1)
<b>Dairy</b>								1.0 (2)	
<b>Sheep</b>	1.0 (1)				2.3 (8)	2.0 (1)			
<b>Goat</b>	1.0 (1)								

**Mpumalanga**

**Bethal, Bethal Dierekliniek**

Beef: 1

**Ermelo, Mōregloed Veterinêre Spreekkamer**

Beef: 2

**Nelspruit, Nelspruit Animal Hospital**

Goat: 1

**Volksrust, Cape Cross Volksrust Dierehospitaal**

Sheep: 1

**Gauteng**

**Bronkhorstspuit, Kerkstraat Dierekliniek**

Beef: 1

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

Beef: 1

**Limpopo**

**Mokopane, Dr Henk Visser**

Beef: 2

**Free State**

**Bultfontein, Greylingrust Dieresprekkamer**

Sheep: 2

Six sheep with vaginal prolapses before lambing, calcium deficiency

**Clocolan, Clocolan Dierekliniek**

Beef: 2, Sheep: 2

**Ficksburg, Oosvrystaat Diere Produkte**

Beef: 2, Sheep: 3

Tails amputated too short, prolapses before lambing

**Hoopstad, Hoopstad Dierekliniek**

Beef: 3, Sheep: 3

**Kroonstad, Kroonstad Dierehospitaal**

Sheep: 2

**Ladybrand, Ladybrand Dierekliniek**

Sheep: 2

**Memel, Memel Veterinary Clinic**

Beef: 2, Sheep: 2

**Villiers, Wilgepoort Dierekliniek Vennootskap**

Beef: 2, Sheep: 2

**Kwazulu-Natal**

**Bergville, Bergville Veterinary Clinic**

Beef: 3

**Estcourt, Estcourt Vet Clinic**

Beef: 2

**Howick, Howick Veterinary Clinic**

Beef: 2

**Mtubatuba, Mtubatuba Animal Clinic**

Beef: 2

**Underberg, Underberg Veterinary Surgery**

Sheep: 2

**Eastern Cape**

**Alexandria, Riverview Trading Vet Consulting Services**

Beef: 2

**Aliwal North, Hertzogbrug Dierekliniek**

Beef: 1

**Western Cape**

**Beaufort West, Beaufort West State Vet**

Beef: 1

**Caledon, Overberg Veterinary Hospital**

Beef: 2

**Malmesbury, Malmesbury Dierehospitaal**

Dairy: 1



**Riversdale, Riversdal Dierekliniek**

Dairy: 1

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

Beef: 1

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

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

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

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

Sheep: 2, Goat: 2

**Western Cape****Worcester, Durban Straat Dierekliniek Worcester**

Sheep: 2

**Drought**

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

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

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

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

Beef: 3

Starvation of cattle. Critical shortage of water - boreholes, dams and river courses run dry

**Cradock, Cradock Veterinary Clinic**

Sheep: 2

Mismothering

**Witelsbos, Witelsbos Veterinary Consulting Rooms**

Goat: 2

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

Goat: 2

**Worcester, Durban Straat Dierekliniek Worcester**

Sheep: 2

## Northern Cape

### De Aar, De Aar Veterinary Clinic

Sheep: 3

Drought causing havoc, depopulation of farms. Fountains and boreholes drying up

### Upington, Upington Veeartsenykliniek

Beef: 3

Full scale disaster, downer cattle and sheep, poor condition and deaths. Farmers do not have food and financial reserves. Farmers can't go anywhere with their animals, no market for their animals in poor condition. A few clients got grazing for their animals in the Free State and lost animals due to adaptation problems. This month's problems all related to drought - botulism (cattle), phosphate deficiency (cattle), *E.coli* and white muscle disease (lambs from ewes that are fed)

## Non specific diseases

### Cause of death not established

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

3.0 (1)

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

Dairy

3.0 (1)

## Kwazulu-Natal

### Estcourt, Estcourt Vet Clinic

Dairy: 3

### Preditors

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 (2)

2.3  
(4)

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

Beef

2.0  
(1)

Sheep

2.0 (1)

2.0 (2)

2.3  
(3)

## Mpumalanga

### Lydenburg, Longtom Dierkliniek

Sheep: 2

## Gauteng

### Hammanskraal, Themba Animal Clinic

Sheep: 2

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

Sheep: 2

Three cases of dog bite wounds

## Free State

**Philippolis, Rowelsfontein veearts Spreekkamer**

Sheep: 2

**Villiers, Wilgepoort Dierkliniek Vennootskap**

Beef: 2, Sheep: 3

**Vrede, Saulshoek Dierpraktijk**

Sheep: 2

**Sabotage/Theft**

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>		2.0 (4)			2.8 (4)	2.5 (2)			

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

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

**Gauteng****Bronkhorstspuit, Kerkstraat Dierkliniek**

Beef: 3, Sheep: 3

**Hammanskraal, Themba Animal Clinic**

Beef: 1, Goat: 1

**Free State****Clocolan, Clocolan Dierkliniek**

Beef: 3, Sheep: 3

**Villiers, Wilgepoort Dierkliniek Vennootskap**

Beef: 2, Sheep: 3

**Kwazulu-Natal****Estcourt, Estcourt Vet Clinic**

Beef: 3, Dairy: 2

**Trauma**

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)	2.0 (1)		1.0 (1)		1.0 (1)	

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

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

**Mpumalanga****Bethal, Bethal Dierkliniek**

Beef: 1

**Lydenburg, Longtom Dierekliniek**

Sheep: 1

Leg fracture

**Limpopo**

**Mokopane, Dr Henk Visser**

Beef: 1

**North West**

**Brits, Brits Dierekliniek**

Sheep: 2

**Kwazulu-Natal**

**Camperdown, Camperdown Vet Clinic**

Goat: 1

fractured leg

**Western Cape**

**Worcester, Durban Straat Dierekliniek Worcester**

Beef: 1

**Traumatic Reticulo-pericarditis**



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 (2)	1.0 (2)			

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

<b>Beef</b>	1.0 (2)	1.0 (1)			1.0 (2)	1.0 (2)			
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**Mpumalanga**

**Balfour, Balfour Dierekliniek**

Beef: 1

**Bethal, Bethal Dierekliniek**

Beef: 1

**Gauteng**

**Nigel, Welgelegen Dierekliniek**

Beef: 1

Bull

**Free State**

**Villiers, Wilgepoort Dierekliniek Vennootskap**

Beef: 1

**Vrede, Vrede Dierehospitaal**

Beef: 1

**Kwazulu-Natal**

**Mooi River, Mooirivier Vet Clinic**

Beef: 1

**Pietermaritzburg, Veterinary House Hospital**

Beef: 1

