

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

May 2019

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

These reports include data from individual practices

Click on Disease Reports

The following practices and laboratories (123) submitted reports during May 2019:

Mpumalanga (13)

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

Gauteng (6)

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, Pettet and Drs, Fitte, Grobler, Hamman, Koepfel, Leask, Mabu, Marufu, Mokoete, O'Dell, Tshuma and Van der Leek
Vanderbijlpark – Dr. Kobus Kok

Limpopo (5)

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 (13)

Beestekraal – Dr. Alwyn Venter

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

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

Stella - Dr. Magdaleen Vossler

Ventersdorp/ Koster –Drs. Benadé and Van der Merwe

Vryburg – Dr. Jurie Kritzingler

Free State (22)

Bethlehem – Drs. Strydom and Strydom

Bloemfontein – Dr. Stephan Wessels

Bultfontein – Dr. Santjie Pieterse

Clocolan – Drs. Wasserman and Basson

Dewetsdorp – Dr. Marike Badenhorst

Excelsior/Ladybrand – Dr. Dédé Nel

Ficksburg – Dr. Woody Kotzé

Frankfort – Drs. Lessing, Cilliers and Janse van Rensburg

Harrismith – Drs. Slabber and Reynolds

Hoopstad – Dr. Kobus Pretorius

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

Memel – Drs. Nixon and Nixon

Parys – Drs. Wessels and Wessels

Philippolis – Dr. Stephan Vermeulen

Reitz - Dr. Murray Smith

Smithfield – Dr. Nienke van Hasselt

Viljoenskroon – Dr. Johan Kahts

Villiers – Dr. D’Wall Hauptfleish

Vrede – Drs. Myburgh and Bester-Cloete

Vrede – Dr. Rudolph Fourie

Wesselsbron – Dr. Johan Jacobs

Zastron – Drs. Troskie and Strauss

KwaZulu-Natal (13)

Bergville- Dr. Ariena Shepherd

Bergville – Dr. Jubie Muller

Camperdown – Dr. Anthony van Tonder

Dundee – Drs. Marais and Fynn

Eshowe, Mtunzini, Mandeni – Dr. Craig Pryke

Kokstad – Drs. Clowes, Shrives and Lees

Mooi River – Drs. Still, Edmunds and Fowler

Mtubatuba – Dr. Trevor Viljoen

Newcastle – Dr. Barry Rafferty

Pietermaritzburg – Drs. Kretzmann, Watkins and De Freitas

Pongola – Dr. Heinz Kohrs

Underberg - Drs. Collins, King and Delaney

Vryheid – Drs. Theron and Theron

Eastern Cape (16)

Adelaide – Dr. Steve Cockroft

Alexandria - Dr. Johan Olivier

Alexandria – Dr. Charlene Boy

Aliwal North – Drs. Troskie and Strauss

Bathurst – Dr. Jane Pistorius

Cradock – Dr. Frans Erasmus

Graaff- Reinet - Dr. Roland Larson

Graaff-Reinet – Drs. Hobson, Strydom and Hennesy

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

Jeffreys Bay – Drs. Lategan, Hoek and McFarlane

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

Queenstown – Drs. Du Preez, Klopper, Jansen van Vuuren, De Klerk and Catherine

Somerset East – Drs. Farell, Farrel, Louw and Ross

Steynsburg – Dr. Johan van Rooyen

Uitenhage – Drs. Mulder and Krüger

Witelsbos – Dr. Elmien Kotze

Western Cape (20)

Beaufort West - Dr. Jaco Pienaar

Beaufort West – Dr. Bennie Grobler

Caledon – Drs. Louw and Viljoen

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

Northern Cape (8)

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

Feedlots (1)

Drs. Morris and Du Preez

Laboratory reports (6)

Dr. Marijke Henton - Vetdiagnostix, Johannesburg
Dr. Liza du Plessis – Idexx SA - Johannesburg
Dr. Rick Last – Vetdiagnostix, Pietermaritzburg
Dr. Annelie Cloete - Stellenbosch, Elsenburg
Dr. Sophette Gers – Pathcare, Cape Town
Dr. Mark Chimes – Dairy Standards, George

Summary

A summary of the most important diseases and conditions that were reported during the month of May:

Internal parasites:

Wireworm infestations in small stock were reported from all provinces. There is a perception by many farmers that roundworms are not a problem during the winter. By using the **Five Point Check** (nose, mucous membrane colour of the eye, bottle jaw, body condition score, dag score) in a number of animals, with visible ear tags, an assessment can be made whether internal parasites are causing problems. It can then be decided whether all animals should be checked. A decision is then made if only individual animals or the whole flock are to be treated. Resistance of parasites to anthelmintics is rife and farmers should contact their veterinarian to decide and maybe test (faecal egg count reduction test) which active(s) are still controlling the internal parasites present on the farm.

Beware of liver fluke and conical fluke infestations when moving animals into vleis camps, or camps with open water sources, as the intermediate hosts of these devastating infestations are water snails.

Protozoal parasites, *Coccidia* and *Cryptosporidium* were also reported from most provinces. These parasites damage the lining of the intestine and pathogenic *E. coli* enter the body leading to huge mortalities. Halofuginone, the drug for the control of cryptosporidiosis is out of stock due to this disease being a world wide problem. Hopefully the drug will be available in the third quarter.

Contact your veterinarian immediately if you suspect cryptosporidiosis and pathogenic *E. coli* are causing mortalities in your calves or lambs.

External parasites

During May veterinarians reported tick infestations from many areas. As these parasites transmit numerous diseases farmers should be proactive in controlling parasite damage and diseases in their areas.

Tick transmitted diseases

The following tick transmitted diseases were reported from most provinces: African red water, Asiatic red water, anaplasmosis, heartwater and lumpy skin disease. Sweating sickness caused by the toxin of the bont-legged tick was reported from three provinces. Important to know that the inner ear of cattle should be checked for the immature stages of the multi-host ticks and spot treated if necessary. Consult your veterinarian on tick control programmes.

Insect transmittable diseases

High prevalence of lumpy skin disease, ephemeral fever, blue tongue and African horse sickness were recorded. Viruses can not be treated by antibiotics and symptomatic treatment is given to animals. Update your vaccination programme with your veterinarian. No cases of Rift Valley fever were reported

Venerial diseases

Trichomonosis, vibriosis (Bulls) and pizzile (rams) diseases cause huge economic losses to farmers. For your own sake control these diseases by having your bulls and rams tested for these diseases. Vendor declarations when buying bulls and rams should be demanded in all cases when buying animals. Biosecurity measures should be in place at all times. Gates and fences have to be checked daily. One bull jumping or breaking through a fence could lead to huge economic losses.

Bacterial diseases

Most bacterial diseases can be controlled by preventative vaccination! The following bacterial diseases were reported: blackquarter, botulism, pulpy kidney, lamb dysentery, swelled head, red gut, blood gut, uterine gangrene, tetanus (all clostridial diseases); salmonellosis, bovine brucellosis, ovine brucellosis, Johne's disease, septicaemia, *E. coli*, enzootic abortion and pasteurellosis. Worrying is that the bacteria *Klebsiella* was also isolated.

Viral diseases

Snotsiekte outbreaks occurred in 8 provinces. There is no vaccine at present for this deadly disease. Address the problem with your neighbours where the wildebeest associated strain of the virus is the problem. Wildebeest shed the virus when they are under stress.

Other viral diseases that were reported included BVD and EBL (immune suppression), IBR, BRSV, PI 3, EBL, Jaagsiekte, Rota and Corona viruses, Orf and Warts.

Ringworm (fungus) was reported from 6 provinces.

Besnoitiosis (elephant skin disease) was reported from three provinces.

Toxicities that were reported are: ink berry, tulip, facial eczema, *Lantana*, prussic acid, geeldikkop, Datura, Kikuyu, mycotoxicosis, water contamination, nitrate, urea, snake bite, blue green algae and copper.

Nutritional deficiencies

Sufficient roughage is a severe constraint.

The following deficiencies were reported: energy, protei and calcium.

Micro-nutritional and vitamin deficiencies were reported. Selenium deficiency was reported from 6 provinces.

Multifactorial conditions

A few conditions that were reported should be high lighted: abortions, stillbirths, abscesses, urolithiasis, blindness, bloat, blue udder, diarrhoea, epididymitis, eye infections, joint ill, lameness, pneumonia, mastitis, navel ill, torsion of the gut, trauma and downers.

Metabolic diseases

Animals having access to grains without adapting them first suffered from acidosis. Ketosis, domsiekte, milk fever and displacement of the abomasum were reported.

Reproductive diseases

The following were reported: dystocia, metritis, poor conception, retained afterbirth, sheath prolaps, uterine and vaginal prolapse

Environmental conditions: Cold, lightning and drought are major issues.

For detailed reports visit www.ruvasa.co.za and click on disease reporting

Game

Theileriosis – 23 naïve buffalo introduced into Corridor Disease controlled area. Eight have died from Theileriosis

BVD - Buffalo tested positive on immunochemistry

Horses

Numerous horses died due to **African Horse Sickness**

Swine

A swine fever outbreak, a State controlled disease, was reported in the Heilbron, Free State, region.

Draft Veterinary Procedural Notice for Swine Fever

<https://www.nda.agric.za/vetweb/pamphlets&Information/Policy/DRAFT%20African%20Swine%20Fever%20VPN%20for%20consultation%202018-05.pdf>

Bovine Brucellosis

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

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

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

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

It is available in English and Afrikaans.

Legal Aspects of Brucellosis Control

Introduction

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

Livestock owners must inform certain people of presence of disease

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

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

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

all his neighbours;

all prospective buyers;

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

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

Precautionary measures that are legally required

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

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

Requirements for a positive herd

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

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

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

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

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

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

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

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

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

Role of the State Veterinary Services

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

Voluntary test programmes

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

Conclusion

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

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

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

Wetlike Aspekte van Brusellose Beheer

Inleiding

Die hoofdoel van die Wet op Dieresyktes, No 35 van 1984 ("die Wet") is om belangrike en gevaarlike dieresyktes te beheer. Hierdie Wet en die Regulasies daaronder bevat algemene bepalings maar stipuleer ook spesifieke beheermaatreëls vir seker dieresyktes 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 Dieresyktes 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. Opgelinentings 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 rus ook 'n verpligting op die eienaar om die plek waar 'n besmette dier aangehou is, en die voertuig waarop so 'n dier vervoer is, te ontsmet met 'n effektiewe ontsmettingsmiddel. Enige toerusting, wat potensieel besmet is, moet ook op die voorgeskrewe manier ontsmet word.

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

Rol van die Staat

Dis is Nasionale en Provinsiale Veeartsenydienste se mandaat om die Wet toe te pas. Hulle kan 'n 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 Beesbrucellosekema (R.2483 of 9 Dec 1988) word tans afdwing. Daar is tans ook 'n Interim handleiding vir brucellosebeheer beskikbaar, wat deur die Departement Landbou, Bosbou en Visserye opgestel is. Aangesien die Beesbrucellose beheerbeleid tans onder hersiening is, sal verdere besonderhede nie hier bespreek word nie.

Samevatting

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

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

Uitgereik deur: Brucellosestuurkomitee van die Nasionale Dieregesondheidsforum

When buying cattle this Vendor declaration can help you to minimize risk!

VENDOR DECLARATION BOVINE BRUCELLOSIS

I hereby declare that I am the legal owner or authorised representative of the cattle on sale and am competent to make this declaration

1	The cattle for sale are clearly and permanently identified		Yes	No
2	The cattle for sale/slaughter were born on my farm		Yes	No
3	The farm has a closed herd policy i.e. I do not buy in cattle, rent out grazing or speculate with cattle		Yes	No
4	I practice bio-security on my farm to a level that is **	Poor	Moderate	Good
5	I vaccinate my heifer calves against Bovine Brucellosis once between the ages of 4 – 8 months		Yes	No
6	In addition, I vaccinate my cattle older than 8 months with RB51		Yes	No
7	I have all the cattle on my farm tested for Bovine Brucellosis		Yes (date)	No
8	My herd has been tested negative within the past year		Yes	No
9	I did not buy in cattle since my last negative brucellosis test		Yes	No
10	I/my vet investigates any abortions on my farm		Yes	No
11	To the best of my knowledge, my immediate neighbours and farms in my area are free of Bovine Brucellosis		Yes	No
12	I use a veterinarian to advise me on my cattle's herd health		Yes	No
13	The cattle handling facilities on my farm are	Poor	Average	Good

Note: Vaccination does not mean freedom from Bovine Brucellosis as cattle can still be carriers
Please attach the most recent *Brucella* blood test certificate

Owner or authorised representative:

Signature:

Date:

**** * Biosecurity**

Poor – speculates with cattle, does not vaccinate, poor fences, cattle come into contact with other cattle

Medium – Vaccinates heifers, does not buy in cattle of unknown health status

Good – closed herd/never buys in cattle, vaccinates heifers and no contact with other cattle, follows a herd health plan as advised by his veterinarian, does not allow transport trucks onto property, washes and disinfects truck after returning from the abattoir or auction grounds.

Compiled by: Dr. Sewellyn Davey, Chairman of the Brucellosis Steering committee of the National Animal Health Forum

OVINE JOHNE'S DISEASE VENDOR DECLARATION

ON THE SALE OF SHEEP

(Updated Draft May 2015)

- | | | |
|--|------------|-----------|
| 1. I hereby declare that I am the owner or authorised representative of the sheep on sale and am competent to make this declaration. | YES | NO |
| 2. The sheep for sale are clearly identified in the accompanying description. | YES | NO |
| 3. The sheep for sale were born on my farm. | YES | NO |
| 4. The farm has a closed flock policy. (No live sheep are brought onto the farm from elsewhere) | YES | NO |
| 5. I know the signs of the disease and to the best of my knowledge, all of my properties are free of cases of Ovine Johne's Disease. | YES | NO |
| 6. I have actively looked for Ovine Johne's Disease and have had tests done for this. | YES | NO |
| 7. To the best of my knowledge, my immediate neighbours and farms in my magisterial district of my farm(s) are free of cases of Ovine Johne's Disease. | YES | NO |

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

Signature _____

Date _____

NAME _____

Farm: _____

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

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

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

Landbouweekblad's webpage

www.landbou.com

[Kundiges](#)

[Vra vir Faffa](#)

[Lees alle antwoorde](#)

[Beeste](#)

[Siektes](#)

[Brusellose](#)

The following can be typed in the "Soekblokkie"

Stop Brusellose

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

Rapportering aan bure of ander eienaars oor die voorkoms van brusellose

Inligting oor brusellose op die NAHF se webblad

Kuddebestuur voor die dekseisoen

Bees Brusellose handleiding

Teenliggaamwaardes om beesbrusellose in koeie te bepaal

Veterinêre Strategie 2016 -2026

'n Dosyn dinge wat jy moet weet van beesbrusellose

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

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

Vervoer van diere uit 'n positiewe brusellose kudde

Beheer van brusellose in 'n beeskudde

Boerderypraktyke wat die gevaar van die voorkoms van brusellose verhoog

Pak brusellose by die horings

Brucellose kan jou lewe verwoes

Brusellose in wild

Bestuur van positiewe besmetlike misgeboorte beeste

Aankoop van beeste wat besmetlike misgeboorte het

Antwoorde oor brusellose

Behandeling van besmetlike misgeboorte

Besmetlike misgeboorte uitbreek in 'n kudde

Gevaar van brusellose onderskat

RB51-inenting teen brusellose in dragtige koeie

Alles oor Besmetlike Misgeboorte (BM)

Kompensasie vir BM en TB positiewe beeste?

Nóg vrae oor besmetlike misgeboorte

Koeie positief getoets vir besmetlike misgeboorte

Vrae, antwoorde oor besmetlike misgeboorte

Brucellose: Wat staan ons te doen?

Internal parasite control

www.wormx.info

Summary of disease report for May 2019

123 Reports from veterinary practices and laboratories were received (Mpumalanga (MP) 13; Gauteng (G) 6; Limpopo (L) 5; Northwest (NW) 13; Free State (FS) 22; KwaZulu-Natal (KZN) 13; Eastern Cape (EC) 16; Western Cape (WC) 20; Northern Cape (NC) 8; Feedlots (FL) 1 and Laboratories (Lab) 5).

Key message

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!

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

Internal parasite outbreaks have been reported from all provinces. Use the five point check to keep on top of what is happening in the flock. For further detail contact your local veterinarian. Treatment is but one of many actions in the holistic management approach to control internal parasites.



Holistic internal
parasite management

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

https://docs.wixstatic.com/ugd/ad98_cb447e77eef6450f93a2b23cb0e6b9de.pdf

www.wormx.info

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

https://www.google.co.za/search?hl=en&tbm=isch&source=hp&biw=1344&bih=608&ei=PyxyXOO7OcutkwXinK3oCA&q=cryptosporidium+parvum&og=Cryptosporidium&gs_l=img.1.1.0110.2885.9850..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		x			
Bont-legged ticks	x	x		x	x		x	x	x
Red-legged ticks	x			x	x	x			
Paralysis ticks					x		x		
Tampans									
Biting lice				x	x				
Sucking lice								x	x
Itch mites									
Sheep scab					x		x		
Mange mites	x				x				
Nuisance flies	x				x	x		x	

Trichomonosis	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 5 provinces.**

Make sure that fences are in tact and gates closed so that bulls cannot escape to neighbouring cows that may be infected with *Trichomonas* 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	X	X
Botulism			X	X				X	X
Pulpy kidney	X	X		X	X		X	X	

Uterine gangrene				x			x		
Wooden tongue									
Lumpy jaw									

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

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

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

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

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

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

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

Viral diseases

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

Viral diseases	MP	G	L	NW	FS	KZN	EC	WC	NC
----------------	----	---	---	----	----	-----	----	----	----

BMC (snotsiekte)	X	X	X	X	X	X		X	X
Rabies (cattle)				X					
BVD		X	X			X			
IBR			X	X	X	X	X		
BRSV								X	
PI3							X		
Maedi visna virus									
Rotavirus / Coronavirus						X			
Enzootic bovine leucosis (EBL)					X	X		X	
Sheep leucosis							X		
Jaagsiekte				X					
Orf	X	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 7 provinces!

Discuss vaccination programmes and biosecurity measures with your veterinarian.

Fungal diseases

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

Fungal diseases	MP	G	L	NW	FS	KZN	EC	WC	NC
-----------------	----	---	---	----	----	-----	----	----	----

Fluoride									
Lead									
Paraquat									
Phosamine									
Aldicarb									
Organophosphate									
Zinc phosphide									
Pyrethroid									
Amitraz									
Levamisole									
Ivermectin									
Moxidectin									
Oxytetracycline									
Tilmicosin									
Bromoxynil nitrate									
Ionophor									
Monensin									
Hypo									
Diazinon									
Glyphosate									
Chicken litter									

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

Do have activated charcoal on the farm as the antidote for tulip poisoning! 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
Protein	x	x					x	x	
Phosphate				x			x		x
Calcium						x		x	

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

Drought conditions are still present in many areas!

Winter is just round the corner, enough roughage?????

Livestock production during drought - guidelines

HO de Waal 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 daagliks 'n minimum hoeveelheid verteerbare energie nodig om te oorleef (onderhoud) en addisionele energie om te kan produseer – addisionele voer moet dus verskaf word of die getal diere moet verminder word om met beskikbare voer hierdie energie te kan verskaf.

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

Daar is tye van 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, Diervoeding. (kobus@mixcure.co.za)

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									
Zinc									
Selenium	x			x	x	x	x	x	
Magnesium							x		
Manganese								x	
Vitamin A				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.

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

Beware of fluoride poisoning as borehole water levels drop.

Supplement animals with vitamin A during winter and drought conditions.

Multifactorial diseases and other conditions

Swelsiekte									
Traumatic reticulo-pericarditis				x				x	
Trauma	x						x		
Teeth wear									
Plastic bags (ingestion)									
Downer		x	x	x	x	x		x	x
Anaphylactic shock									
Vestibular syndrome (middle ear infection)									
Hernia									
Deformaties									

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

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

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	
Displaced abomasum			x			x	x	x	
Ketosis (Domsiekte)	x	x			x		x	x	
Milk fever		x		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	
Hydrops									
Metritis	x			x	x	x		x	
Poor conception	x	x		x	x	x	x	x	
Retained afterbirth	x	x		x	x	x		x	
Sheath prolaps					x				
Uterine prolaps	x	x		x	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	x		x	
Frozen to death								x	
Heat stress									
Lightning							x		
Electrocution									
Drought							x		x

Other conditions

	MP	G	L	NW	FS	KZN	EC	WC	NC
Dermatopraxia									X
Genetic disorders		X							X
Wet carcasses									X
Drug residues (milk, meat, liver, kidney etc)									
Preditors		X		X	X		X		
Theft/Sabotation					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.

Practices that had nothing to report

Cape Town – Dr. Sophette Gers

Dewetsdorp – Dr. Marike Badenhorst

Karino – Dr. Silke Pfitzer

Nigel – Cindy van der Westhuizen

Beestekraal – Dr. Alwyn Venter

Reitz – Dr. Schabert Froneman

Vanderbijlpark – Dr. Kobus Kok

Vaalwater – Dr. Annemieke Müller

Vryburg – Dr. Jurie Kritzingen

Tulbagh – Dr. Dirk Trigaardt

Ostriches

Western Cape

Oudtshoorn

Intestinal roundworms	1
Cryptosporidiosis	Cloacal prolaps – moist environment – 1-2mm rain increased soil pica/ stress on immune and growth systems due to season change. Usually more a summer problem
Red gut	Season change – warm weather result in over eating due to high energy demand. All feed is full feed due to drought.
Pulpy kidney	Feedlotting due to drought, mixtures not fed consistently
Climate – cold	Season change with some extremely cold days with some drizzle, chicks not on weight suffer most
Onion poisoning	Breeders fed onion seed harvest waste to reduce cost in drought – haemolytic crisis with feed refusal/ poor intake results in acute mortalities lingering for 2 weeks.

Equines

Limpopo

Bela-Bela

Internal parasites

North West

Potchefstroom

African Horse Sickness – 4 deaths reported

Free State

Frankfort

Brown ear-tick - 1

Parys

African Horse sickness – 1

Eastern Cape

Adelaide

African Horse Sickness – 6 deaths

Port Alfred

African Horse Sickness – 9 cases Bathurst; 3 cases Kleinemonde; 1 case Kenton on Sea

Western Cape

Darling

Phosphine poisoning – 3 in feed

Northern Cape

Colesberg

Margaropus winthemi – ticks on brood mares

Upington

African Horse Sickness- 1

Game

Mpumalanga

Ermelo

BVD – Buffalo tested positive on immunochemistry

Lydenburg

Resistant Wireworm - 2

North West

Klerksdorp

Intestinal roundworms – 2

Coccidiosis – 2

KwaZulu-Natal

Pongola

Brown ear-tick – 1

Theileriosis – 23 naïve buffalo introduced into Corridor Disease controlled area. Eight have died from Theileriosis

Eastern Cape

Adelaide

Long-necked bankruptworm – Sable, Nyala, Impala

Western Cape

Vredenburg

Rabies – one bat-eared fox

Northern Cape

Kimberley

Wireworm – Roan and Sable 2

Swine

Gauteng

Pretoria

E. coli - 1

Lameness – 1

Dog bite wounds -1

Alpaca

Free State

Smithfield

Lumpy jaw / *Actinomyces* - 1

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

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

Pasteurella multocida [14 isolates] was the most common isolate from feedlot cattle TTA samples during May. *P. multocida* has 4 capsule types; A and D, which are associated with pneumonia in animals, and capsule types B and E, which are associated with Haemorrhagic Septicaemia. Types A and D are very common in animals in South Africa, but Haemorrhagic Septicaemia has occurred sporadically but increasingly in cattle and buffalo in South Africa since the 1970's. A very unusual severe outbreak of Haemorrhagic Septicaemia in pigs, due to type B, in a piggery, occurred in KwaZulu Natal. There had been no contact between the pigs and cattle or buffaloes. Although types A, D and E are included in the OBP cattle *Pasteurella* vaccine, type B is not.

Other isolates from respiratory infections in feedlot cattle were *Mannheimia haemolytica* [5], *Trueperella pyogenes* [4], *Histophilus somni* [3], *Mannheimia* type 7 [2] and one each of *Mycoplasma*, *Mannheimia* 10 and *Klebsiella pneumoniae*.

Abortions in cattle were due to *Trueperella pyogenes*, *Histophilus somni* and *Salmonella* Dublin [one each]. *Salmonella* Dublin was also isolated from an aborted foetus and from two cases of calf septicaemia. *S. Dublin* causes abortions in carrier cattle. Other causes of abortion were *Histophilus somni* and *T. pyogenes*.

Enteritis in calves was due to *E. coli* in 7 cases, one of which was positive for *Cryptosporidium* as well.

Bovine mastitis was associated with *E. coli* [3], one of which was an ESBL [Extended Spectrum Beta Lactamase] producer, *Trueperella pyogenes* [2], *Staphylococcus aureus*, *Streptococcus dysgalactiae*, *S. uberis*, *Mannheimia haemolytica*, *Klebsiella pneumoniae* and *Pseudomonas aeruginosa*.

An ear infection in a bovine was also due to *T. pyogenes*, and an abscess to a MRSA *Staphylococcus aureus*.

Gangrenous myositis was caused by *C. chauvoei* [2], *C. novyi* and *C. sordellii* in cattle, *C. novyi* in a pig and *C. septicum* in a rhino.

Enteritis in lambs and a kid was due to *E. coli* in 22 cases, four of them together with *Cryptosporidium* and 7 of them were ESBL producers. Abscesses were due to *T. pyogenes*, *S. aureus*, *S. pseudintermedius* [3], *Corynebacterium pseudotuberculosis* and *Pseudomonas aeruginosa*. *Mannheimia haemolytica* caused pneumonia and Blue Udder.

An abscess in a rhino yielded *Streptococcus dysgalactiae* and *Corynebacterium striatum*.

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

Condition	Comments and Specie
Intestinal round worms	O 3
Tapeworms	O 2
Liver fluke worms	B 3, O 1
Cysticercosis; Cysticercosis in liver of bovines from jackal contamination of pastures	B 3
Blue ticks	B 3
Bont ticks	B 3
Bont – legged ticks	B 1
Red-legged ticks	B 3,O 1
Nuisance flies	B 3
African red water	B 3
Asiatic red water	B 1
Anaplasmosis	B 3
Red gut	B 3
Blood gut	O 3

Bacterial pericarditis	B 2
Pulpy kidney	O 1
<i>E. coli</i>	B 3
Ringworm	B 3
Warts	B 3
Protein deficiency	B 3,O 3
Energy deficiency	B 3, O 3
Phosphate deficiency	B 2
Navell ill	B 1,O 2
Joint ill	B 2
Lameness	B 3,O 3
Lungs	B 3 ,O 3
Diarrhoea	B 3,O 3
Eyes	B 3
Abscesses	B 3,O 3
Trauma	B 3,O 1
Deaths reported by farmers: red water, anaplasmosis, pneumonia, red gut, blood gut, acidosis, attacks by jackals	

**Feedlot report received from Dr. Andy Hentzen for April 2019
(andyvet@mweb.co.za)**

Condition	Comments and Specie
Liver fluke worms	B 3
Conical fluke	B 1

Parafilaria	B 2
Cysticercosis	B 3
Blue ticks	B 3
Brown ear ticks	B 3
Heartwater tick	B 1
Bont-legged ticks	B 3
Red-legged ticks	B 2
Nuisance flies	B 3
Blowflies	B 1
Midges	B 3
African red water	B 2
Asiatic red water	B 2
Anaplasmosis	B 2
Three Day Stiff Sickness	B 2
Blackleg	B 2
E. coli	B 1
Red gut	B 3
BVD	B 3
IBR	B 3
Warts	B 3
Water contamination	B 3
Micro mineral deficiency	B3
Lameness	B 3
Lungs	B 3

Diarrhoea	B 3
Eyes	B 3
Abscesses	B,C 3

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

MRCVS)

Specialist Veterinary Pathologist, Vetdiagnostix - Veterinary Pathology Services

LIVESTOCK DISEASE SURVEILANCE			
LIVESTOCK SPECIES	DISEASE AGENT	NO. CASES	LOCATION
Caprine	Listeriosis goat	1	Howick, KZN
Bovine	Cryptosporidiosis calf	1	Mooi River, KZN
Ovine	Cryptosporidiosis lamb	1	Bergville, KZN
Ovine	Cryptosporidiosis lamb	1	Dundee, KZN
Bovine	Calf paratyphoid	1	Howick KZN
Caprine	Pituitary abscess goat	1	Gauteng
Ovine	Cryptosporidiosis lamb	1	Clocolan, Free State
Ovine	Pulpy kidney sheep	1	W.Cape
Bovine	Bovine anaplasmosis	1	Greytown, KZN
Bovine	Bovine anaplasmosis	1	North West

WILDLIFE DISEASE SURVEILANCE			
WILDLIFE SPECIES	DISEASE AGENT	NO. CASES	LOCATION
African Buffalo	Buffalo heart pluck clostridia.	1	Limpopo
Roan, Antelope	Roan antelope theileriosis	1	Limpopo
Leatherback turtle, Hatchling	Leatherback turtle retained yolk sac	1	Durban, KZN
Hippopotamus Calf	Hypertensive vasculopathy hippopotamus	1	Mtuba, KZN
Buffalo, Adult	Vitiligo	1	E.Cape
White Rhino, Adult	Clostridial enterotoxaemia	1	North West

Monthly report on Livestock and Wildlife isolations for May 2019 from IDEXX Laboratories supplied by dr. Liza du Plessis (Liza-DuPlessis@idexx.com)

Condition	Comments and Specie
Theileriosis	G 1
Blue tongue	O 1
Diarrhoea (bacterial enteritis)	O 1
Coccidiosis	O 1
Sarcoid	E 3
Metritis	O 1
Lungs	O 1

DISEASE DISTRIBUTION REPORT AS REPORTED BY VETERINARIANS

Table of Contents

<u>Internal Parasites</u>	Roundworms in general , Resistant Round Worms , Wireworm , Brown stomach-worm , Tape Worms , Parafilaria , Liver fluke , Conical Flukes , Cysticercosis
<u>External Parasites</u>	Blue ticks , Resistant blue Ticks , Heartwater (Bont) ticks , Brown ear-ticks , Bont-legged ticks , Red-legged ticks , Paralysis ticks , Biting lice (red lice) , Sucking lice (blue lice) , Scab mites , Mange Mites , Nuisance Flies , Blowflies , Screw-worm , Nasal bot larvae , Midges , Mosquitoes , Other
<u>Tick-borne Diseases</u>	African red water , Asiatic red water , Anaplasmosis , Heartwater , Sweating Sickness
<u>Insect Transmittable Diseases</u>	Lumpy skin disease , Three-day-stiffsickness , Blue tongue , Nagana
<u>Venereal Diseases</u>	Trichomonosis , Vibriosis , Pizzle disease
<u>Bacterial Disease (other)</u>	Blackquarter , Botulism , Pulpy Kidney , Lamb dysentery , Swelled head disease , Redgut (cattle) , Blood gut (Sheep) , Tetanus , Salmonellosis , Brucella abortus , Brucella

	ovis , Pseudomonas , Septicaemia , E. coli , Enzootic Abortion , Intrauterine Gangrene , Listeriosis , Other
<u>Protozoal diseases (other)</u>	Besnoitiosis , Coccidiosis , Cryptosporidium
<u>Fungal diseases</u>	Ringworm
<u>Viral Diseases (other)</u>	BMC , Rabies , BVD (Bovine viral diarrhoea) , IBR (Infectious bovine rhinotracheitis) , BRSV (Bovine respiratory syncytial virus) , PI3 , Enzootic Bovine Leucosis (EBL) , Jaagsiekte , Orf , Warts , Sheep leucosis , Rota virus
<u>Poisonings (Plant) and Fungal</u>	Cestrum , Facial eczema , Geeldikkop/Dikoor , Kikuyu poisoning , Lantana , Nitrate poisoning , Prussic acid poisoning , Tulip Poisoning , Mycotoxicosis , Other
<u>Poisonings</u>	Water contamination , Urea Poisoning , Snake Bite , Blue-green algae , Copper Poisoning
<u>Macro Nutritional Problems</u>	Energy deficiency , Protein deficiency , Phosphate deficiency , Calcium deficiency
<u>Micro Nutritional Problems</u>	Copper deficiency , Selenium deficiency , Magnesium deficiency , Manganese deficiency , Iodine deficiency , Vitamin A deficiency , Vitamin B deficiency
<u>Multi-factorial Disease Conditions</u>	Abortions , Stillbirths , Abscesses , Abscesses in general , Bladder stones , Blindness , Bloat , Blood gut (sheep and goat) , Blue udder , Diarrhoea , Epididymitis , Eye Cancer , Eye infections , Joint Ill , Lameness/Foot Problems , Lung infection , Mastitis in general , Navel Ill , Redgut (Sheep) , Trauma , Downer , Other
<u>Metabolic Diseases</u>	Acidosis , Displaced abomasum , Ketosis , Milk Fever
<u>Reproductive diseases</u>	Dystocia (Difficult Births) , Endometritis , Metritis , Poor conception , Retained afterbirth , Sheath Prolaps , Uterus prolaps , Vaginal (Cervical) prolaps
<u>Climatical Cause</u>	Cold exposure , Drought , Lightning , Frozen to death
<u>Non specific diseases</u>	Cause of death not established , Predators , Sabotation/Theft , Trauma , Traumatic Reticulo-pericarditis

Internal Parasites

Roundworms in general

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.3 (3)	1.0 (1)	1.0 (2)	2.0 (2)	2.7 (7)	2.2 (6)	2.0 (5)	1.7 (9)	

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

Beef	3.0 (1)				2.0 (2)		3.0 (1)
Sheep	2.0 (2)		1.0 (1)	2.0 (2)	2.7 (7)	2.3 (3)	1.6 (5)
Goat		1.0 (1)	1.0 (1)		2.0 (1)	1.5 (2)	1.3 (3)

Mpumalanga

Lydenburg, Lydenburg Dieresprekkamer

Beef: 3

Middelburg , Middelburg Dierehospitaal

Sheep: 1

Volksrust, Cape Cross Volksrust Dierehospitaal

Sheep: 3

Gauteng

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Goat: 1

Limpopo

Polokwane, Pietersburg Veterinary Clinic

Sheep: 1, Goat: 1

North West

Christiana, Christiana Dierehospitaal

Sheep: 2

Klerksdorp, Klerksdorp Dierehospitaal

Sheep: 2

Free State

Bloemfontein, Dr Stephan Wessels

Sheep: 3

Clocolan, Clocolan Dierekliniek

Sheep: 2

Hoopstad, Hoopstad Dierekliniek

Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Sheep: 2

Ladybrand, Ladybrand Dierekliniek

Sheep: 3

Viljoenskroon, Viljoenskroon Dierekliniek

Sheep: 3

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 3

Kwazulu-Natal

Kokstad, E.G.Veterinary Services

Sheep: 3

Lack of frost

Mooi River, Mooirivier Vet Clinic

Beef: 2

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2, Goat: 2

Newcastle, Ncanduvet Newcastle

Sheep: 1

Vryheid, Vryheid Privaat Veeartse

Sheep: 3

Eastern Cape

Graaff-Reinet, Camdeboo Veterinary Clinic

Goat: 1

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Sheep: 2

Steynsburg, Steynsburg Dierehospitaal

Sheep: 3

Witelsbos, Witelsbos Veterinary Consulting Rooms

Sheep: 2, Goat: 2

Western Cape

Beaufort West, Beaufort West State Vet

Sheep: 1

Long-necked bankruptworm on pastures

Caledon, Caledon Dierekliniek

Sheep: 2, Goat: 2

Darling, Tygerberg Dierehospitaal Darling

Beef: 3

Heidelberg (WC), Heidelberg Dierekliniek

Sheep: 2

Riversdale, Riversdal Dierekliniek

Sheep: 2, Goat: 1

Stellenbosch, Stellenbosch Animal Hospital

Sheep: 1, Goat: 1

Resistant Round Worms

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

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

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

Mpumalanga

Lydenburg, Lydenburg Dieresprekkamer

Sheep: 2

Middelburg, Middelburg Dierehospitaal

Sheep: 1

Nelspruit, Nelspruit Animal Hospital

Goat: 1

Gauteng

Pretoria, Anima Veterinary Consulting Rooms

Sheep: 2

North West

Klerksdorp, Klerksdorp Dierehospitaal

Sheep: 1

Free State

Bloemfontein, Dr Stephan Wessels

Sheep: 3

Ladybrand, Ladybrand Dierekliniek

Sheep: 3

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

Goat: 2

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
Average	2.2 (6)	2.5 (2)	1.0 (3)	2.5 (2)	2.4 (7)	2.5 (2)	2.0 (2)	2.4 (5)	3.0 (1)

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

Beef	2.0 (1)								
Sheep	2.3 (3)	3.0 (1)	1.0 (1)	2.5 (2)	2.4 (7)	2.5 (2)	2.0 (1)	2.4 (5)	3.0 (1)
Goat	2.0 (2)	2.0 (1)	1.0 (2)				2.0 (1)		

Mpumalanga**Hendrina, Mooiplaas Veterinêre Dienste**

Sheep: 2

Lydenburg, Longtom Dierekliniek

Beef: 2, Sheep: 2, Goat: 2

Malelane, Malelane Dierekliniek

Sheep: 3

Nelspruit, Nelspruit Animal Hospital

Goat: 2

Gauteng**Bronkhorstspuit, Kerkstraat Dierekliniek**

Sheep: 3, Goat: 2

Limpopo**Mokopane, Dr Henk Visser**

Goat: 1

Polokwane, Pietersburg Veterinary Clinic

Sheep: 1, Goat: 1

North West**Leeudoringstad, Leeudoringstad Dierekliniek**

Sheep: 2

Potchefstroom, Morvet

Sheep: 3

Mortalities on 3 farms, especially in lambs

Free State**Clocolan, Clocolan Dierekliniek**

Sheep: 2

Hoopstad, Hoopstad Dierekliniek

Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Sheep: 2

Ladybrand, Ladybrand Dierekliniek

Sheep: 3

Reitz, Riemland Dierehospitaal

Sheep: 2

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 3

Wesselsbron, Wesselsbron Dierekliniek

Sheep: 2

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

Sheep: 2

Kokstad, E.G.Veterinary Services

Sheep: 3

Intensive systems

Eastern Cape**Port Alfred, Port Alfred Veterinary Clinic**

Sheep: 2

Four cases - Bathurst

Witelsbos, Witelsbos Veterinary Consulting Rooms

Goat: 2

Western Cape**Caledon, Overberg Veterinary Hospital**

Sheep: 2

George, George Animal Hospital

Sheep: 3

Heidelberg (WC), Heidelberg Dierekliniek

Sheep: 2

Malmesbury, Dr Otto Kriek

Sheep: 3

Wireworm is a huge problem on a certain property but I suspect that mortalities were higher due to an additional Conical Fluke problem in the 5 month old lambs combined with a protein and energy deficient diet. It is all speculation and the situation is under investigation.

Worcester, Durban Straat Dierekliniek Worcester

Sheep: 2

Northern Cape**Colesberg, Karoo Veterinary Hospital**

Sheep: 3

Brown stomach-worm									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average					1.0 (1)		1.0 (1)	1.5 (2)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Sheep					1.0 (1)			1.5 (2)	
Goat							1.0 (1)		
Free State									
Vrede, Saulshoek Diereparktyk									
Sheep: 1									
Eastern Cape									

Graaff-Reinet, Camdeboo Veterinary Clinic

Goat: 1

Western Cape**Caledon, Overberg Veterinary Hospital**

Sheep: 2

Riversdale, Riversdal Dierekliniek

Sheep: 1

Tape Worms

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average					2.1 (8)	1.0 (1)		3.0 (1)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef					2.0 (1)				
Sheep					2.3 (6)	1.0 (1)		3.0 (1)	
Goat					1.0 (1)				

Free State**Bloemfontein, Dr Stephan Wessels**

Sheep: 3

Clocolan, Clocolan Dierekliniek

Sheep: 2

Harrismith, Harrismith Dierehospitaal

Sheep: 1

Ladybrand, Ladybrand Dierekliniek

Sheep: 3

Memel, Memel Veterinary Clinic

Beef: 2

Parys, Parys Dierehospitaal

Goat: 1

*Taenia multiceps***Reitz, Riemland Dierehospitaal**

Sheep: 3

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 2

Kwazulu-Natal**Newcastle, Ncanduvet Newcastle**

Sheep: 1

Western Cape**George, George Animal Hospital**

Sheep: 3

Parafilaria

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

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

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

Kwazulu-Natal

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2

Western Cape

Darling, Tygerberg Dierehospitaal Darling

Dairy: 1

Northern Cape

Kimberley, Kimberley Dierkliniek

Beef: 3

Liver fluke

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.8 (4)	1.0 (1)			1.3 (4)	1.7 (3)	3.0 (1)	1.5 (2)	

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

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

Mpumalanga

Middelburg, Middelburg Dierehospitaal

Beef: 3, Sheep: 3

Standerton, Econovet

Beef: 3, Sheep: 2

Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 1

Free State

Clocolan, Clocolan Dierkliniek

Beef: 1

Memel, Memel Veterinary Clinic

Beef: 1, Sheep: 1

Villiers, Wilgepoort Dierkliniek Vennootskap

Sheep: 2

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

Dairy: 3

Mooi River, Mooirivier Vet Clinic

Beef: 1

Underberg, Underberg Veterinary Surgery

Dairy: 1

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

Dairy: 3

Western Cape**Caledon, Overberg Veterinary Hospital**

Sheep: 2

Stellenbosch, Stellenbosch Animal Hospital

Goat: 1

Conical Flukes

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

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

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

Mpumalanga**Balfour, Balfour Dierekliniek**

Beef: 3

Free State**Clocolan, Clocolan Dierekliniek**

Beef: 1

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 2

Vrede, Saulshoek Dierepraktyk

Beef: 2

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

Beef: 1

One farm

Mooi River, Mooirivier Vet Clinic

Beef: 1

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

Dairy: 3

Western Cape**Malmesbury, Dr Otto Kriek**

Sheep: 1

Wireworm is a huge problem on a certain property but I suspect that mortalities were higher due to an additional Conical Fluke problem in the 5month old lambs combined with a protein and energy deficient diet. It is all speculation and the situation is under investigation.

Cysticercosis [^](#)

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

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

Beef			2.0 (1)						
Sheep								1.0 (1)	

Limpopo

Mokopane, Dr Henk Visser

Beef: 2

Western Cape

Worcester, Durban Straat Dierekliniek Worcester

Sheep: 1

External Parasites

Blue ticks [^](#)

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.3 (4)	1.0 (1)		2.1 (7)	2.6 (12)	2.3 (11)	2.8 (4)	2.4 (5)	

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

Beef	2.3 (4)	1.0 (1)		2.3 (6)	2.4 (9)	2.3 (9)	2.7 (3)	2.0 (3)	
Dairy					3.0 (1)	2.0 (1)	3.0 (1)	3.0 (2)	
Sheep				1.0 (1)	3.0 (2)				
Goat						2.0 (1)			

Mpumalanga

Ermelo, Mōregloed Veterinêre Spreekkamer

Beef: 3

Lydenburg, Lydenburg Dieresprekkamer

Beef: 3

Middelburg , Middelburg Dierehospitaal

Beef: 1

Standerton, Econovet

Beef: 2

Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 1

North West**Klerksdorp, Klerksdorp Dierehospitaal**

Beef: 1, Sheep: 1

Leeudoringstad, Leeudoringstad Dierekliniek

Beef: 2

Lichtenburg, Dr CM Kruger-Rall

Beef: 3

Potchefstroom, Morvet

Beef: 3

Schweizer-Reneke, Buffeldoorn Dierekliniek SR

Beef: 2

Ventersdorp, Ventersdorp Dierekliniek

Beef: 3

Free State**Ficksburg, Oosvrystaat Diere Produkte**

Beef: 3, Dairy: 3, Sheep: 3

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 2

Memel, Memel Veterinary Clinic

Beef: 2

Reitz, Riemland Dierehospitaal

Beef: 1

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 3

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2

Vrede, Saulshoek Dierepraktyk

Beef: 3

Winburg, Winburg Dierekliniek

Beef: 3

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

Beef: 3

Bergville, Tugela Vet Clinic

Beef: 2, Goat: 2

Dundee, Endumeni Herd health

Beef: 2, Dairy: 2

Kokstad, E.G.Veterinary Services

Beef: 3

Lack of frost

Mooi River, Mooirivier Vet Clinic

Beef: 2

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2

Pietermaritzburg, Veterinary House Hospital

Beef: 2

Underberg, Underberg Veterinary Surgery

Beef: 2

Vryheid, Vryheid Privaat Veeartse

Beef: 3

Eastern Cape

Adelaide, Adelaide Veterinary Clinic

Beef: 3

Blue tongue still abundant due to warm weather

Alexandria, Alexandria Platteland Spreekkamer

Dairy: 3

Aliwal North, Hertzogbrug Direkliniek

Beef: 2

Humansdorp, Humansdorp Veterinary Clinic

Beef: 3

Western Cape**George, George Animal Hospital**

Beef: 3, Dairy: 3

Oudtshoorn, Oudtshoorn Direkliniek

Beef: 1

Swellendam, Swellendam Dierehospitaal

Dairy: 3

Worcester, Durban Straat Direkliniek Worcester

Beef: 2

Resistant blue Ticks

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

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

Beef					2.0 (2)				
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Free State**Villiers, Wilgepoort Direkliniek Vennootskap**

Beef: 1

Winburg, Winburg Direkliniek

Beef: 3

Heartwater (Bont) ticks

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.5 (2)	1.7 (3)		1.0 (1)		1.7 (7)			

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

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

Mpumalanga**Lydenburg, Lydenburg Dieresprekkamer**

Beef: 3

Middelburg , Middelburg Dierehospitaal

Beef: 2

Gauteng**Hammanskraal, Themba Animal Clinic**

Beef: 2, Sheep: 1, Goat: 2

North West**Klerksdorp, Klerksdorp Dierehospitaal**

Beef: 1

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

Beef: 3

Dundee, Endumeni Herd health

Beef: 2

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2, Goat: 2

Pongola, Pongola Animal Clinic

Beef: 1, Sheep: 1, Goat: 1

Brown ear-ticks

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

Mpumalanga**Lydenburg, Longtom Dierkliniek**

Beef: 3, Sheep: 3

Lydenburg, Lydenburg Dieresprekkamer

Beef: 3

Middelburg , Middelburg Dierehospitaal

Beef: 1

North West**Klerksdorp, Klerksdorp Dierehospitaal**

Beef: 3

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

Beef: 2

Bergville, Tugela Vet Clinic

Beef: 2

Dundee, Endumeni Herd health

Beef: 3

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2

Bont-legged ticks

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
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Average	3.0 (1)	2.0 (3)		3.0 (5)	2.3 (6)		3.0 (4)	2.0 (1)	2.0 (2)
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Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

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

Mpumalanga

Lydenburg, Lydenburg Dieresprekkamer

Beef: 3

Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 2, Sheep: 2, Goat: 2

North West

Christiana, Christiana Dierehospitaal

Beef: 3

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 3, Sheep: 3

Potchefstroom, Morvet

Beef: 3

Bite wounds caused numerous abscesses

Schweizer-Reneke, Buffeldoorn Dierekliniek SR

Beef: 3

Free State

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Memel, Memel Veterinary Clinic

Beef: 2

Philippolis, Rowelsfontein veearts Spreekkamer

Sheep: 2

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 2

Vrede, Saulshoek Dierepraktyk

Beef: 2

Eastern Cape

Steynsburg, Steynsburg Dierehospitaal

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

Western Cape

Darling, Tygerberg Dierehospitaal Darling

Beef: 2

Northern Cape

Postmasburg, Postmasburg Dierekliniek

Beef: 2, Goat: 2

Red-legged ticks



PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.5 (4)			3.0 (1)	2.4 (5)	2.0 (1)			
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef	2.0 (2)			3.0 (1)	2.7 (3)	2.0 (1)			
Sheep	1.0 (1)				2.0 (2)				
Goat	1.0 (1)								

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1, Sheep: 1, Goat: 1

Lydenburg, Lydenburg Dieresprekkamer

Beef: 3

North West

Christiana, Christiana Dierehospitaal

Beef: 3

Free State

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Memel, Memel Veterinary Clinic

Beef: 2, Sheep: 1

Vrede, Saulshoek Dierepraktyk

Beef: 3

Kwazulu-Natal

Underberg, Underberg Veterinary Surgery

Beef: 2

Paralysis ticks

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

Free State

Philippolis, Rowelsfontein veearts Spreekkamer

Sheep: 2

Vrede, Saulshoek Dierepraktyk

Sheep: 2

Eastern Cape

Cradock, Cradock Veterinary Clinic

Sheep: 2

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
Average				3.0 (1)	2.5 (2)				

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

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

North West

Lichtenburg, Dr CM Kruger-Rall

Goat: 3

Lice in goats

Free State

Kroonstad, Kroonstad Dierehospitaal

Beef: 2

Vrede, Saulshoek Dierepraktyk

Sheep: 3

Sucking lice (blue lice)

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

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

Sheep								1.0 (1)	
Goat									1.0 (1)

Western Cape

Malmesbury, Dr Otto Kriek

Sheep: 1

Northern Cape

Postmasburg, Postmasburg Dierekliniek

Goat: 1

Scab mites

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

Sheep		1.5 (2)	1.0 (1)
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Free State

Smithfield, Freestate Smithfield SV

Sheep: 1

One outbreak in Kopanong, Reddersburg

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 2

Eastern Cape

Steynsburg, Steynsburg Dierehospitaal

Sheep: 1

Mange Mites

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

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

Beef	1.5 (2)								
Sheep					2.0 (1)				

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1

Ermelo, Mōregloed Veterinêre Spreekkamer

Beef: 2

Free State

Memel, Memel Veterinary Clinic

Sheep: 2

Nuisance Flies

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

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

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

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1, Sheep: 1, Goat: 1

Free State

Kroonstad, Kroonstad Dierehospitaal

Beef: 3, Dairy: 3

Winburg, Winburg Dierekliniek

Beef: 3

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 3

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2, Goat: 2

Underberg, Underberg Veterinary Surgery

Beef: 2, Dairy: 2

Western Cape

Oudtshoorn, Ostrimed

Beef: 1

Blowflies

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

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

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

Mpumalanga

Balfour, Balfour Dierekliniek

Sheep: 1

Gauteng

Hammanskraal, Themba Animal Clinic

Goat: 1

Free State

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 2

Winburg, Winburg Dierekliniek

Beef: 3

Screw-worm									
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)		
Eastern Cape									
Alexandria, Alexandria Platteland Spreekkamer									
Dairy: 1									
Nasal bot larvae									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average					1.8 (4)			2.0 (1)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Sheep					1.8 (4)			2.0 (1)	
Free State									
Hoopstad, Hoopstad Dierekliniek									
Sheep: 3									
Kroonstad, Kroonstad Dierehospitaal									
Sheep: 2									
Reitz, Riemland Dierehospitaal									
Sheep: 1									
Wesselsbron, Wesselsbron Dierekliniek									
Sheep: 1									
Western Cape									
Beaufort West, Beaufort Dierekliniek									
Sheep: 2									
Midges									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)			3.0 (1)	2.5 (4)	3.0 (1)		1.0 (1)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									

Beef	1.0 (1)		3.0 (1)	3.0 (1)	3.0 (1)		1.0 (1)
Sheep				2.3 (3)			

Mpumalanga
Balfour, Balfour Dierekliniek
Beef: 1
North West
Leeudoringstad, Leeudoringstad Dierekliniek
Beef: 3
Free State
Bultfontein, Greylingrust Dieresprekkamer
Sheep: 2
Hoopstad, Hoopstad Dierekliniek
Beef: 3, Sheep: 3
Kroonstad, Kroonstad Dierehospitaal
Sheep: 2
Kwazulu-Natal
Bergville, Bergville Veterinary Clinic
Beef: 3
Not yet cold
Western Cape
Oudtshoorn, Ostrimed
Beef: 1

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

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

Beef				3.0 (1)	2.3 (3)	3.0 (1)		
Sheep					2.5 (2)			

North West
Leeudoringstad, Leeudoringstad Dierekliniek
Beef: 3
Free State
Bultfontein, Greylingrust Dieresprekkamer
Beef: 2
Hoopstad, Hoopstad Dierekliniek
Beef: 3, Sheep: 3
Kroonstad, Kroonstad Dierehospitaal
Beef: 2, Sheep: 2
Kwazulu-Natal
Bergville, Bergville Veterinary Clinic
Beef: 3

Other [^](#)

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

Goat							2.0 (1)		
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Eastern Cape

Graaff-Reinet, Camdeboo Veterinary Clinic

Goat: 2

Strobiloestrus - warble fly

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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Average	1.7 (6)		1.0 (1)	3.0 (1)	2.3 (4)	1.8 (8)	2.4 (5)	2.3 (4)	
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Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef	1.7 (6)		1.0 (1)	3.0 (1)	2.3 (4)	1.9 (7)	2.5 (2)	2.0 (2)	
Dairy						1.0 (1)	2.3 (3)	2.5 (2)	

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1

Grootvlei, Grootvlei Dierekliniek

Beef: 1

Hendrina, Mooiplaas Veterinêre Dienste

Beef: 1

Lydenburg, Longtom Dierekliniek

Beef: 3

Middelburg, Middelburg Dierehospitaal

Beef: 2

Standerton, Econovet

Beef: 2

Limpopo

Mokopane, Dr Henk Visser

Beef: 1

North West

Potchefstroom, Morvet

Beef: 3

Free State

Reitz, Riemland Dierehospitaal

Beef: 2

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 3

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2

Vrede, Vrede Dierehospitaal

Beef: 2

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Dundee, Endumeni Herd health

Beef: 2, Dairy: 1

Kokstad, E.G.Veterinary Services

Beef: 2

Mooi River, Mooirivier Vet Clinic

Beef: 2

Mtubatuba, Mtubatuba Animal Clinic

Beef: 1

Pietermaritzburg, Veterinary House Hospital

Beef: 2

Underberg, Underberg Veterinary Surgery

Beef: 2

Eastern Cape

Alexandria, Riverview Trading Vet Consulting Services

Beef: 3, Dairy: 2

Jeffreys Bay, Cape Cross Veterinary Hospital

Dairy: 3

Queenstown, Queenstown Veterinary clinic

Beef: 2

Somerset East, Bosberg Veterinary Clinic

Dairy: 2

Western Cape

Caledon, Caledon Dierekliniek

Beef: 2

Heidelberg (WC), Heidelberg Dierekliniek

Beef: 2, Dairy: 3

Riversdale, Riversdal Dierekliniek

Dairy: 2

Asiatic red water

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.7 (7)	1.5 (2)	1.0 (1)	2.3 (3)	2.0 (6)	1.9 (7)	2.3 (4)	2.3 (4)	

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

Beef	1.7 (7)	1.5 (2)	1.0 (1)	2.3 (3)	2.0 (6)	2.0 (6)	2.0 (3)	1.5 (2)	
Dairy						1.0 (1)	3.0 (1)	3.0 (2)	

Mpumalanga

Bethal, Bethal Dierekliniek

Beef: 1

Lydenburg, Longtom Dierekliniek

Beef: 2

Lydenburg, Lydenburg Dieresprekkamer

Beef: 2

Middelburg , Middelburg Dierehospitaal

Beef: 2

Nelspruit, Nelspruit Animal Hospital

Beef: 1

Standerton, Econovet

Beef: 2

Volksrust, Cape Cross Volksrust Dierehospitaal

Beef: 2

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

Beef: 2

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 1

Limpopo**Mokopane, Dr Henk Visser**

Beef: 1

North West**Brits, Brits Dierekliniek**

Beef: 2

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 2

Potchefstroom, Morvet

Beef: 3

Deaths on two farms, blocked animals

Free State**Clocolan, Clocolan Dierekliniek**

Beef: 2

Memel, Memel Veterinary Clinic

Beef: 1

Parys, Parys Dierehospitaal

Beef: 3

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2

Vrede, Saulshoek Direpraktyk

Beef: 2

Vrede, Vrede Dierehospitaal

Beef: 2

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

Beef: 2

Bergville, Tugela Vet Clinic

Beef: 2

Dundee, Endumeni Herd health

Beef: 2, Dairy: 1

Kokstad, E.G.Veterinary Services

Beef: 2

Moi River, Moirivier Vet Clinic

Beef: 2

Underberg, Underberg Veterinary Surgery

Beef: 2

Eastern Cape

Alexandria, Riverview Trading Vet Consulting Services

Beef: 2

Jeffreys Bay, Cape Cross Veterinary Hospital

Dairy: 3

Port Alfred, Port Alfred Veterinary Clinic

Beef: 2

Six cases - Bathurst

Somerset East, Bosberg Veterinary Clinic

Beef: 2

Western Cape

George, George Animal Hospital

Beef: 2

Heidelberg (WC), Heidelberg Dierekliniek

Dairy: 3

Stellenbosch, Stellenbosch Animal Hospital

Beef: 1

Swellendam, Swellendam Dierehospitaal

Dairy: 3

Anaplasmosis

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.8 (4)		1.0 (1)	2.2 (5)	2.1 (11)	2.3 (6)	1.7 (6)	2.1 (9)	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	1.8 (4)		1.0 (1)	2.2 (5)	2.1 (11)	2.4 (5)	1.6 (5)	1.8 (4)	2.0 (1)
Dairy						2.0 (1)	2.0 (1)	2.4 (5)	

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1

Grootvlei, Grootvlei Dierekliniek

Beef: 2

Hendrina, Mooiplaas Veterinêre Dienste

Beef: 1

Middelburg , Middelburg Dierehospitaal

Beef: 3

Limpopo

Tzaneen, ZZ2 Farm Practice

Beef: 1

Kariba

North West

Christiana, Christiana Dierehospitaal

Beef: 3

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 1

Leeudoringstad, Leeudoringstad Dierekliniek

Beef: 2

Potchefstroom, Morvet

Beef: 2

Ventersdorp, Ventersdorp Dierekliniek

Beef: 3

Free State

Bloemfontein, Dr Stephan Wessels

Beef: 2

Clocolan, Clocolan Dierekliniek

Beef: 3

Ficksburg, Oosvrystaat Diere Produkte

Beef: 3

Hoopstad, Hoopstad Dierekliniek

Beef: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 2

Ladybrand, Ladybrand Dierekliniek

Beef: 2

Smithfield, Freestate Smithfield SV

Beef: 1

Mohokare

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 2

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2

Wesselsbron, Wesselsbron Dierekliniek

Beef: 1

Winburg, Winburg Dierekliniek

Beef: 2

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 3

Bergville, Tugela Vet Clinic

Beef: 2

Dundee, Endumeni Herd health

Dairy: 2

Kokstad, E.G.Veterinary Services

Beef: 2

Especially in bought in cattle

Mooi River, Mooirivier Vet Clinic

Beef: 2

Underberg, Underberg Veterinary Surgery

Beef: 3

Eastern Cape

Adelaide, Adelaide Veterinary Clinic

Beef: 1

Alexandria, Alexandria Platteland Spreekkamer

Dairy: 2

Aliwal North, Hertzogbrug Dierekliniek

Beef: 2

Cradock, Cradock Veterinary Clinic

Beef: 1

Bull, transported from Free State to Cradock

Humansdorp, Humansdorp Veterinary Clinic

Beef: 3

Queenstown, Queenstown Veterinary clinic

Beef: 1

Western Cape**Caledon, Overberg Veterinary Hospital**

Beef: 2

Darling, Tygerberg Dierehospitaal Darling

Beef: 1

Heidelberg (WC), Heidelberg Dierekliniek

Dairy: 3

Malmesbury, Dr Otto Kriek

Dairy: 2

Malmesbury, Invitrotech

Dairy: 2

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 2

Riversdale, Riversdal Dierekliniek

Dairy: 3

Wellington, Wellington Dierehospitaal

Beef: 2

Cattle brought in from Eastern Cape, one herd, 6 died

Northern Cape**Kuruman, State Vet Kuruman**

Beef: 2

Heartwater

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (1)	1.8 (5)	2.5 (2)	2.0 (2)		1.3 (9)	2.0 (7)	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)	1.5 (2)	2.0 (1)	2.0 (1)		1.4 (5)	2.3 (3)	3.0 (1)	
Dairy							2.0 (2)		
Sheep		2.0 (1)	3.0 (1)			1.0 (1)	1.0 (1)		
Goat		2.0 (2)		2.0 (1)		1.3 (3)	2.0 (1)		

Mpumalanga**Lydenburg, Longtom Dierekliniek**

Beef: 2

Gauteng**Hammanskraal, Themba Animal Clinic**

Beef: 2, Sheep: 2, Goat: 3

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 1, Goat: 1

Limpopo**Mokopane, Dr Henk Visser**

Sheep: 3

Tzaneen, ZZ2 Farm Practice

Beef: 2

Highveld

North West**Brits, Brits Dierekliniek**

Beef: 2

Rustenburg, Bergbos Dierekliniek

Goat: 2

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Bergville, Tugela Vet Clinic

Beef: 1

Camperdown, Camperdown Vet Clinic

Beef: 1, Goat: 1

Dundee, Endumeni Herd health

Beef: 1

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2, Goat: 2

Pongola, Pongola Animal Clinic

Sheep: 1, Goat: 1

Eastern Cape

Adelaide, Adelaide Veterinary Clinic

Beef: 2

Alexandria, Riverview Trading Vet Consulting Services

Beef: 3

Jeffreys Bay, Cape Cross Veterinary Hospital

Dairy: 3

Port Alfred, Port Alfred Veterinary Clinic

Beef: 2

Shaw Park 1; Bathurst 1

Goat: 2

Four cases - Shaw Park

Somerset East, Bosberg Veterinary Clinic

Dairy: 1

Uitenhage, Uitenhage Dierehospitaal

Sheep: 1

Western Cape

Malmesbury, Dr Otto Kriek

Beef: 3

Cattle were bought in the Eastern Cape and at least 10 died

Sweating Sickness

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

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

Beef				1.0 (1)	1.0 (1)				1.0 (1)
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North West

Christiana, Christiana Dierehospitaal

Beef: 1

Free State

Bloemfontein, Dr Stephan Wessels

Beef: 1

Northern Cape

Postmasburg, Postmasburg Dierekliniek

Beef: 1

Insect Transmittable Diseases

Lumpy skin disease

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

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

Beef	1.0 (1)		1.0 (1)	1.0 (2)	3.0 (1)	1.5 (2)			
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Mpumalanga

Hendrina, Mooiplaas Veterinêre Dienste

Beef: 1

Limpopo

Polokwane, Pietersburg Veterinary Clinic

Beef: 1

North West

Christiana, Christiana Dierehospitaal

Beef: 1

Potchefstroom, Morvet

Beef: 1

Calf

Free State

Hoopstad, Hoopstad Dierekliniek

Beef: 3

Kwazulu-Natal

Dundee, Endumeni Herd health

Beef: 2

Mooi River, Mooirivier Vet Clinic

Beef: 1

Three-day-stiffsickness

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.5 (2)	1.5 (2)	1.0 (1)	1.5 (2)	1.6 (8)	2.0 (8)		1.0 (1)	

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

Beef	1.5 (2)	1.5 (2)	1.0 (1)	1.5 (2)	1.6 (8)	2.1 (7)			
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Dairy

1.0 (1)

1.0 (1)

Mpumalanga**Lydenburg, Longtom Dierekliniek**

Beef: 2

Volkstrust, Cape Cross Volkstrust Dierehospitaal

Beef: 1

Gauteng**Bronkhorstspuit, Kerkstraat Dierekliniek**

Beef: 2

Hammanskraal, Themba Animal Clinic

Beef: 1

Limpopo**Polokwane, Pietersburg Veterinary Clinic**

Beef: 1

North West**Christiana, Christiana Dierehospitaal**

Beef: 1

Potchefstroom, Morvet

Beef: 2

Free State**Bloemfontein, Dr Stephan Wessels**

Beef: 1

Bultfontein, Greylingstrust Dierespreekkamer

Beef: 2

Memel, Memel Veterinary Clinic

Beef: 1

Parys, Parys Dierehospitaal

Beef: 2

Reitz, Riemland Dierehospitaal

Beef: 2

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 2

Wesselsbron, Wesselsbron Dierekliniek

Beef: 1

Winburg, Winburg Dierekliniek

Beef: 2

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

Beef: 3

Bergville, Tugela Vet Clinic

Beef: 2

Camperdown, Camperdown Vet Clinic

Beef: 2

Mooi River, Mooirivier Vet Clinic

Beef: 3

Newcastle, Ncanduvet Newcastle

Beef: 3

Pongola, Pongola Animal Clinic

Beef: 1

Underberg, Underberg Veterinary Surgery

Beef: 1, Dairy: 1

Western Cape**Malmesbury, Malmesbury Dierehospitaal**

Dairy: 1

Blue tongue									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (2)	1.0 (2)		2.0 (3)	2.2 (6)	1.5 (2)	1.4 (5)	2.0 (4)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Dairy							1.0 (1)		
Sheep	2.0 (2)	1.0 (1)		2.0 (3)	2.2 (6)	1.5 (2)	1.5 (4)	2.0 (4)	
Goat		1.0 (1)							
Mpumalanga									
Bethal, Bethal Dierekliniek									
Sheep: 1									
Lydenburg, Longtom Dierekliniek									
Sheep: 3									
Gauteng									
Hammanskraal, Themba Animal Clinic									
Goat: 1									
Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic									
Sheep: 1									
North West									
Christiana, Christiana Dierehospitaal									
Sheep: 1									
Leeudoringstad, Leeudoringstad Dierekliniek									
Sheep: 2									
Potchefstroom, Morvet									
Sheep: 3									
Severe plague of midges									
Free State									
Bultfontein, Greylingrust Diersprekkamer									
Sheep: 2									
Hoopstad, Hoopstad Dierekliniek									
Sheep: 3									
Kroonstad, Kroonstad Dierehospitaal									
Sheep: 2									
Philippolis, Rowelsfontein veearts Spreekkamer									
Sheep: 1									
Villiers, Wilgepoort Dierekliniek Vennootskap									
Sheep: 2									
Winburg, Winburg Dierekliniek									
Sheep: 3									
Kwazulu-Natal									
Camperdown, Camperdown Vet Clinic									
Sheep: 1									
Kokstad, E.G.Veterinary Services									
Sheep: 2									
Rural areas									
Eastern Cape									

Adelaide, Adelaide Veterinary Clinic

Sheep: 2

Graaff-Reinet, Camdeboo Veterinary Clinic

Sheep: 1

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Sheep: 2

Jeffreys Bay, Cape Cross Veterinary Hospital

Dairy: 1

Uitenhage, Uitenhage Dierehospitaal

Sheep: 1

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

Sheep: 2

Malmesbury, Malmesbury Dierehospitaal

Sheep: 2

Swellendam, Swellendam Dierehospitaal

Sheep: 2

Wellington, Wellington Dierehospitaal

Sheep: 2

Nagana

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

Beef

3.0 (1)

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

Beef: 3

Venereal Diseases**Trichomonosis**

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

2.3 (3)

2.3 (4)

2.4
(7)

2.0 (2)

1.8 (5)

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

Beef

2.3 (3)

2.3 (4)

2.4
(7)

2.0 (2)

1.8 (4)

Dairy

2.0 (1)

Mpumalanga**Bethal, Bethal Dierekliniek**

Beef: 2

Middelburg , Middelburg Dierehospitaal

Beef: 3

Volksrust, Cape Cross Volksrust Dierehospitaal

Beef: 2

North West**Leeudoringstad, Leeudoringstad Dierekliniek**

Beef: 2

Potchefstroom, Morvet

Beef: 2

Two bulls on two farms - new positive farms

Schweizer-Reneke, Buffeldoorn Dierekliniek SR

Beef: 2

Stella, Stella Dierekliniek

Beef: 3

Free State**Bloemfontein, Dr Stephan Wessels**

Beef: 2

New farm, 4 bulls, Dewetsdorp

Clocolan, Clocolan Dierekliniek

Beef: 2

Hoopstad, Hoopstad Dierekliniek

Beef: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 2

Memel, Memel Veterinary Clinic

Beef: 2

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 3

Winburg, Winburg Dierekliniek

Beef: 3

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

Beef: 2

Vryheid, Vryheid Privaat Veeartse

Beef: 2

Two bulls positive out of 9 tested

Eastern Cape**Adelaide, Adelaide Veterinary Clinic**

Beef: 2

Two farms

Jeffreys Bay, Cape Cross Veterinary Hospital

Dairy: 2

Port Alfred, Port Alfred Veterinary Clinic

Beef: 2

Two bulls, Port Alfred

Queenstown, Queenstown Veterinary clinic

Beef: 2

Somerset East, Bosberg Veterinary Clinic

Beef: 1

Vibriosis

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
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Average	2.5 (2)			1.7 (3)	1.8 (6)	1.0 (2)	1.0 (2)	2.0 (1)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef	2.5 (2)			1.7 (3)	1.8 (6)	1.0 (1)	1.0 (2)	2.0 (1)	
Dairy						1.0 (1)			
Mpumalanga									
Middelburg , Middelburg Dierehospitaal									
Beef: 3									
Volkstrust, Cape Cross Volkstrust Dierehospitaal									
Beef: 2									
North West									
Leeudoringstad, Leeudoringstad Dierekliniek									
Beef: 2									
Potchefstroom, Morvet									
Beef: 2									
Positive farm									
Schweizer-Reneke, Buffeldoorn Dierekliniek SR									
Beef: 1									
Free State									
Bloemfontein, Dr Stephan Wessels									
Beef: 1									
Clocolan, Clocolan Dierekliniek									
Beef: 2									
Ficksburg, Oosvrystaat Diere Produkte									
Beef: 2									
Kroonstad, Kroonstad Dierehospitaal									
Beef: 2									
Viljoenskroon, Viljoenskroon Dierekliniek									
Beef: 2									
Winburg, Winburg Dierekliniek									
Beef: 2									
Kwazulu-Natal									
Newcastle, Ncanduvet Newcastle									
Beef: 1									
Underberg, Underberg Veterinary Surgery									
Dairy: 1									
Eastern Cape									
Adelaide, Adelaide Veterinary Clinic									
Beef: 1									
Alexandria, Riverview Trading Vet Consulting Services									
Beef: 1									
Western Cape									
Malmesbury, Malmesbury Dierehospitaal									
Beef: 2									
Pizzle disease									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape

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

Goat 1.0 (1)

Eastern Cape

Graaff-Reinet, Camdeboo Veterinary Clinic

Goat: 1

Bacterial Disease (other)

Blackquarter

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.2 (5)			2.5 (4)	1.4 (5)	1.7 (3)	2.0 (3)	1.0 (1)	2.5 (2)

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

Beef	2.3 (4)			2.3 (3)	1.4 (5)	1.7 (3)	2.0 (2)		2.0 (1)
Dairy							2.0 (1)	1.0 (1)	
Sheep	2.0 (1)			3.0 (1)					3.0 (1)

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 3

Grootvlei, Grootvlei Dierekliniek

Beef: 1

Standerton, Econovet

Beef: 2

Volksrust, Cape Cross Volksrust Dierehospitaal

Beef: 3, Sheep: 2

North West

Christiana, Christiana Dierehospitaal

Beef: 1

Leeudoringstad, Leeudoringstad Dierekliniek

Beef: 3

Farmers inject multiclostridial vaccines, also saw harslagsponssiekte

Sheep: 3

Stella, Stella Dierekliniek

Beef: 3

Free State

Ficksburg, Oosvrystaat Diere Produkte

Beef: 1

Memel, Memel Veterinary Clinic

Beef: 1

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2

Wesselsbron, Wesselsbron Dierekliniek

Beef: 1

Winburg, Winburg Dierekliniek

Beef: 2

Kwazulu-Natal

Dundee, Endumeni Herd health

Beef: 2

Mooi River, Mooirivier Vet Clinic

Beef: 1

Vryheid, Vryheid Privaat Veeartse

Beef: 2

Eastern Cape

Aliwal North, Hertzogbrug Dierekliniek

Beef: 2

Jeffreys Bay, Cape Cross Veterinary Hospital

Dairy: 2

Queenstown, Queenstown Veterinary clinic

Beef: 2

Western Cape

Stellenbosch, Stellenbosch Animal Hospital

Dairy: 1

Three milk cows died. *Clostridium novyi* diagnosed from one, and *Clostridium septicum* from the next one.

Northern Cape

Colesberg, Karoo Veterinary Hospital

Sheep: 3

Kimberley, Kimberley Dierekliniek

Beef: 2

Botulism

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 (2)	2.0 (3)

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

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

Limpopo

Polokwane, Pietersburg Veterinary Clinic

Beef: 1

North West

Christiana, Christiana Dierehospitaal

Beef: 2

Western Cape

Malmesbury, Malmesbury Dierehospitaal

Beef: 1

Stellenbosch, Stellenbosch Animal Hospital

Beef: 1

Northern Cape

Kathu, Kathu Dierekliniek

Beef: 1

Kimberley, Kimberley Dierekliniek

Beef: 2

Postmasburg, Postmasburg Dierekliniek

Sheep: 3

Pulpy Kidney

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.5 (2)	2.0 (1)		2.0 (1)	1.8 (6)		1.8 (4)	2.4 (5)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Sheep	1.5 (2)	2.0 (1)			1.8 (6)		2.0 (3)	2.3 (4)	
Goat				2.0 (1)			1.0 (1)	3.0 (1)	

Mpumalanga**Balfour, Balfour Dierekliniek**

Sheep: 1

Volkstrust, Cape Cross Volkstrust Dierehospitaal

Sheep: 2

Gauteng**Bronkhorstspuit, Kerkstraat Dierekliniek**

Sheep: 2

North West**Brits, Brits Dierekliniek**

Goat: 2

Free State**Bloemfontein, Dr Stephan Wessels**

Sheep: 2

Hoopstad, Hoopstad Dierekliniek

Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Sheep: 1

Ladybrand, Ladybrand Dierekliniek

Sheep: 1

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 2

Wesselsbron, Wesselsbron Dierekliniek

Sheep: 2

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

Sheep: 1, Goat: 1

Steynsburg, Steynsburg Dierehospitaal

Sheep: 3

Witelsbos, Witelsbos Veterinary Consulting Rooms

Sheep: 2

Western Cape**Caledon, Caledon Dierekliniek**

Goat: 3

Caledon, Overberg Veterinary Hospital

Sheep: 2

Malmesbury, Dr Otto Kriek

Sheep: 3

3 month old lambs were put on relatively green pasture, were dewormed recently, are still suckling and received creep feeding. They had only received one vaccination (3 weeks ago) against Pulpy Kidney (Multi-clostridial vaccine) before being put out to pastures. >20 deaths so far

Oudtshoorn, Ostrimed

Sheep: 2

Feedlotting due to drought, mixtures not fed consistently

Riversdale, Riversdal Dierekliniek

Sheep: 2

Lamb dysentery

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

Somerset East, Bosberg Veterinary Clinic

Sheep: 3

Swelled head disease

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

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

Beef

1.0 (1) 1.0 (1)

Sheep

2.0 (1) 2.0 (1)

North West

Rustenburg, Bergbos Dierekliniek

Beef: 1

Free State

Vrede, Saulshoek Dierepraktyk

Beef: 1

Eastern Cape

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Sheep: 2

Western Cape

Beaufort West, Beaufort West State Vet

Sheep: 2

Animals given additional feed, not vaccinated

Red gut (cattle)

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

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

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

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1

North West

Potchefstroom, Morvet

Beef: 3

Feed lots

Free State

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2

Eastern Cape

Aliwal North, Hertzogbrug Dierekliniek

Beef: 1

Port Alfred, Port Alfred Veterinary Clinic

Beef: 1

Clostridial enterotoxaemia 1 - Shaw Park

Western Cape

Darling, Tygerberg Dierehospitaal Darling

Dairy: 1

Blood gut (Sheep)

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

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

Sheep	2.5 (2)				1.5 (2)	2.0 (1)		1.0 (1)	
Goat	1.0 (1)								

Mpumalanga

Balfour, Balfour Dierekliniek

Goat: 1

Lydenburg, Longtom Dierekliniek

Sheep: 2

Volksrust, Cape Cross Volksrust Dierehospitaal

Sheep: 3

Free State**Kroonstad, Kroonstad Dierehospitaal**

Sheep: 1

Viljoenskroon, Viljoenskroon Dierekliniek

Sheep: 2

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

Sheep: 2

Western Cape**Darling, Tygerberg Dierehospitaal Darling**

Sheep: 1

Tetanus

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

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

Sheep					1.0 (1)				
Goat							1.0 (1)		

Free State**Clocolan, Clocolan Dierekliniek**

Sheep: 1

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

Goat: 1

Salmonellosis

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

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

Beef						2.0 (1)			
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Kwazulu-Natal**Mooi River, Mooirivier Vet Clinic**

Beef: 2

Brucella abortus

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
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Average	2.0 (2)	1.0 (1)	2.4 (5)	2.1 (8)	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

Beef	2.0 (2)	1.0 (1)	2.4 (5)	2.1 (8)	1.0 (1)	3.0 (1)
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Mpumalanga

Ermelo, Mōregloed Veterinêre Spreekkamer

Beef: 2

Standerton, Econovet

Beef: 2

Limpopo

Polokwane, Pietersburg Veterinary Clinic

Beef: 1

North West

Christiana, Christiana Dierehospitaal

Beef: 3

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 1

Lichtenburg, Dr CM Kruger-Rall

Beef: 3

13 cases

Potchefstroom, Morvet

Beef: 2

Stella, Stella Dierekliniek

Beef: 3

Free State

Bloemfontein, Dr Stephan Wessels

Beef: 1

New farm, herd in Bloemfontein area

Clocolan, Clocolan Dierekliniek

Beef: 2

Hoopstad, Hoopstad Dierekliniek

Beef: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 2

Ladybrand, Ladybrand Dierekliniek

Beef: 3

Smithfield, Freestate Smithfield SV

Beef: 1

Previous outbreak - one positive

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 3

Winburg, Winburg Dierekliniek

Beef: 2

Kwazulu-Natal

Mooi River, Mooirivier Vet Clinic

Beef: 1

Northern Cape

Kimberley, Kimberley Dierekliniek

Beef: 3

63 cases

Brucella ovis

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

Sheep					3.0 (1)			1.0 (1)	
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Free State

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 3

Western Cape

Beaufort West, Beaufort West State Vet

Sheep: 1

Previously infected stud

Pseudomonas

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

Beef					1.0 (1)				
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Free State

Vrede, Saulshoek Dierepraktyk

Beef: 1

Septicaemia

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

Beef						2.0 (1)			
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Dairy						1.0 (1)			
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Sheep								2.0 (1)	
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Kwazulu-Natal

Dundee, Endumeni Herd health

Beef: 2, Dairy: 1

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

Sheep: 2

Reports from Carnarvon area.

<i>E. coli</i>									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.2 (5)	2.5 (2)		3.0 (8)	2.7 (15)	1.0 (1)	2.0 (2)	3.0 (1)	3.0 (1)
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef	2.3 (3)	2.0 (1)		3.0 (3)	2.8 (5)				
Dairy					3.0 (1)		3.0 (1)		
Sheep	2.0 (2)	3.0 (1)		3.0 (5)	2.6 (9)	1.0 (1)	1.0 (1)	3.0 (1)	3.0 (1)

Mpumalanga**Balfour, Balfour Dierekliniek**

Beef: 3

Lydenburg, Longtom Dierekliniek

Beef: 2, Sheep: 2

Standerton, Econovet

Beef: 2, Sheep: 2

Gauteng**Hammanskraal, Themba Animal Clinic**

Beef: 2

Pretoria, Anima Veterinary Consulting Rooms

Sheep: 3

North West**Klerksdorp, Klerksdorp Dierehospitaal**

Beef: 3, Sheep: 3

Leeudoringstad, Leeudoringstad Dierekliniek

Sheep: 3

Lambs

Potchefstroom, Morvet

Sheep: 3

Stella, Stella Dierekliniek

Beef: 3, Sheep: 3

Ventersdorp, Ventersdorp Dierekliniek

Beef: 3, Sheep: 3

Free State**Bloemfontein, Dr Stephan Wessels**

Sheep: 3

Clocolan, Clocolan Dierekliniek

Beef: 3, Dairy: 3, Sheep: 3

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 2, Sheep: 2

Ladybrand, Ladybrand Dierekliniek

Sheep: 3

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 3, Sheep: 3

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 3

Vrede, Saulshoek Dierepraktyk

Sheep: 2

Wesselsbron, Wesselsbron Dierekliniek

Sheep: 1

Winburg, Winburg Dierekliniek

Beef: 3

Kwazulu-Natal

Mooi River, Mooirivier Vet Clinic

Sheep: 1

Eastern Cape

Aliwal North, Hertzogbrug Dierekliniek

Sheep: 1

Jeffreys Bay, Cape Cross Veterinary Hospital

Dairy: 3

Western Cape

George, George Animal Hospital

Sheep: 3

Northern Cape

Colesberg, Karoo Veterinary Hospital

Sheep: 3

Lambs

Enzootic Abortion

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

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

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

Mpumalanga

Lydenburg, Longtom Dierekliniek

Goat: 2

Free State

Wesselsbron, Wesselsbron Dierekliniek

Sheep: 1

Northern Cape

Kuruman, State Vet Kuruman

Goat: 2

Postmasburg, Postmasburg Dierekliniek

Sheep: 2

Intrauterine Gangrene

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

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

Goat				2.0 (1)			2.0 (1)		
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North West**Leeudoringstad, Leeudoringstad Dierekliniek**

Goat: 2

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

Goat: 2

*Clostridium septicum***Listeriosis**

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

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

Sheep								2.0 (1)	
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Western Cape**Caledon, Overberg Veterinary Hospital**

Sheep: 2

Other

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

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

Beef						3.0 (1)			
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Sheep				2.0 (1)					
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Goat		1.0 (1)							
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Gauteng**Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic**

Goat: 1

Vaginitis

North West**Leeudoringstad, Leeudoringstad Dierekliniek**

Sheep: 2

Klebsiella isolated in lambs - die acutely, fibrinous, purulent pneumonia and pleuritis. In one case *Citrobacter* was isolated**Kwazulu-Natal****Newcastle, Ncanduvet Newcastle**

Beef: 3

Pasteurella

Protozoal diseases (other)**Besnoitiosis**

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

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

Beef		1.0 (1)		2.0 (1)		1.0 (1)			
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Gauteng**Hammanskraal, Themba Animal Clinic**

Beef: 1

North West**Rustenburg, Bergbos Dierekliniek**

Beef: 2

Kwazulu-Natal**Eshowe, Eshowe Veterinary Hospital**

Beef: 1

Suspected

Coccidiosis

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (2)	1.5 (2)		2.0 (1)	2.3 (6)	1.5 (2)	1.3 (4)	2.0 (4)	1.0 (1)

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

Beef						1.5 (2)			1.0 (1)
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Dairy							2.0 (1)		
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Sheep	2.0 (1)	2.0 (1)		2.0 (1)	2.3 (6)			2.0 (2)	
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Goat	2.0 (1)	1.0 (1)					1.0 (3)	2.0 (2)	
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Mpumalanga**Nelspruit, Nelspruit Animal Hospital**

Goat: 2

Volksrust, Cape Cross Volksrust Dierehospitaal

Sheep: 2

Gauteng**Pretoria, Anima Veterinary Consulting Rooms**

Sheep: 2

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Goat: 1

North West**Klerksdorp, Klerksdorp Dierehospitaal**

Sheep: 2

Free State**Bloemfontein, Dr Stephan Wessels**

Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Sheep: 2

Reitz, Riemland Dierehospitaal

Sheep: 2

Viljoenskroon, Viljoenskroon Dierekliniek

Sheep: 3

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 3

Wesselsbron, Wesselsbron Dierekliniek

Sheep: 1

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

Beef: 1

Mooi River, Mooirivier Vet Clinic

Beef: 2

Eastern Cape**Alexandria, Alexandria Platteland Spreekkamer**

Dairy: 2

Bathurst, Dr Jane Pistorius

Goat: 1

Graaff-Reinet, Camdeboo Veterinary Clinic

Goat: 1

Witelsbos, Witelsbos Veterinary Consulting Rooms

Goat: 1

Western Cape**Caledon, Caledon Dierekliniek**

Goat: 3

George, George Animal Hospital

Sheep: 3

Stellenbosch, Stellenbosch Animal Hospital

Sheep: 1, Goat: 1

Northern Cape**Kathu, Kathu Dierekliniek**

Beef: 1

Cryptosporidium

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
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Average	2.3 (3)	3.0 (2)	2.8 (10)	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	2.0 (1)		3.0 (2)	2.5 (2)		
Dairy			3.0 (1)		3.0 (1)	
Sheep	3.0 (1)	3.0 (2)	2.7 (7)			2.0 (1)
Goat	2.0 (1)					

Gauteng

Magaliesburg, Magaliesburg; Dr Ryan Jeffrey

Beef: 2, Goat: 2

Pretoria, Anima Veterinary Consulting Rooms

Sheep: 3

Giardia - 3; *Entamoeba* - 3

North West

Potchefstroom, Morvet

Sheep: 3

Halofuginone treatment

Schweizer-Reneke, Buffeldoorn Dierekliniek SR

Sheep: 3

Free State

Bultfontein, Greylingsrust Dieresprekkamer

Beef: 3, Sheep: 3

Clocolan, Clocolan Dierekliniek

Beef: 3, Dairy: 3, Sheep: 3

Hoopstad, Hoopstad Dierekliniek

Sheep: 3

Ladybrand, Ladybrand Dierekliniek

Sheep: 3

Parys, Parys Dierehospitaal

Sheep: 2

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 3

Vrede, Saulshoek Dierepraktyk

Sheep: 2

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Newcastle, Ncanduvet Newcastle

Beef: 3

Eastern Cape

Jeffreys Bay, Cape Cross Veterinary Hospital

Dairy: 3

Western Cape

Riversdale, Riversdal Dierekliniek

Sheep: 2

Fungal diseases

Ringworm

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

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

Beef	1.5 (2)			2.0 (1)	2.0 (3)	1.5 (2)			
Dairy								2.0 (1)	

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1

Lydenburg, Lydenburg Dieresprekkamer

Beef: 2

North West

Christiana, Christiana Dierehospitaal

Beef: 2

Free State

Bloemfontein, Dr Stephan Wessels

Beef: 2

Clocolan, Clocolan Dierekliniek

Beef: 2

Kroonstad, Kroonstad Dierehospitaal

Beef: 2

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Mtubatuba, Mtubatuba Animal Clinic

Beef: 1

Western Cape

Caledon, Caledon Dierekliniek

Dairy: 2

Viral Diseases (other)

BMC (snotsiekte)

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

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

Beef	1.0 (1)	1.0 (1)	3.0 (1)	1.0 (1)	1.3 (3)	1.0 (2)			1.0 (1)
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Dairy

2.0 (1)

Mpumalanga**Middelburg , Middelburg Dierehospitaal**

Beef: 1

Gauteng**Pretoria, Anima Veterinary Consulting Rooms**

Beef: 1

Limpopo**Polokwane, Pietersburg Veterinary Clinic**

Beef: 3

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

Beef: 1

Free State**Bloemfontein, Dr Stephan Wessels**

Beef: 1

Kroonstad, Kroonstad Dierehospitaal

Beef: 1

Vrede, Vrede Dierehospitaal

Beef: 2

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

Beef: 1

Pongola, Pongola Animal Clinic

Beef: 1

Western Cape**George, George Animal Hospital**

Dairy: 2

Northern Cape**Postmasburg, Postmasburg Dierekliniek**

Beef: 1

Rabies

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

Goat

1.0 (1)

North West**Christiana, Christiana Dierehospitaal**

Goat: 1

Jackal

BVD (Bovine viral diarrhoea)

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

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

Beef		1.0 (1)	1.0 (1)		1.0 (1)				
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Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 1

Limpopo

Polokwane, Pietersburg Veterinary Clinic

Beef: 1

Kwazulu-Natal

Mooi River, Mooirivier Vet Clinic

Beef: 1

IBR (Infectious bovine rhinotracheitis)

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

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

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

Polokwane, Pietersburg Veterinary Clinic

Beef: 1

North West

Leeudoringstad, Leeudoringstad Dierekliniek

Beef: 3

Veldt cattle

Free State

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 3

Kwazulu-Natal

Bergville, Tugela Vet Clinic

Beef: 1

Vryheid, Vryheid Privaat Veeartse

Beef: 3

Eastern Cape

Aliwal North, Hertzogbrug Dierekliniek

Beef: 1

BRSV (Bovine respiratory syncytial virus)

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

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

Dairy 1.0 (1)

Western Cape

Stellenbosch, Stellenbosch Animal Hospital

Dairy: 1

PI3

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

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

Beef 1.0 (1)

Eastern Cape

Witelsbos, Witelsbos Veterinary Consulting Rooms

Beef: 1

Enzootic Bovine Leucosis (EBL)

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

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

Beef 1.0 (2) 2.0 (1)

Dairy 1.0 (1) 2.5 (2)

Free State

Clocolan, Clocolan Dierekliniek

Dairy: 1

Kwazulu-Natal

Mooi River, Mooirivier Vet Clinic

Beef: 1

Underberg, Underberg Veterinary Surgery

Beef: 1

Western Cape

Caledon, Overberg Veterinary Hospital

Dairy: 3

Darling, Tygerberg Dierehospitaal Darling

Beef: 2

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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Average 1.0 (1)

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

Sheep 1.0 (1)

North West

Schweizer-Reneke, Buffeldoorn Dierekliniek SR

Sheep: 1

Orf

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
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Average 1.3 (3) 2.0 (1) 3.0 (1) 2.4 (5) 2.1 (7) 1.0 (1) 1.5 (2) 2.8 (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

Beef 3.0 (1)

Sheep 1.5 (2) 2.3 (3) 2.2 (6) 1.0 (1) 1.0 (1) 2.8 (4) 3.0 (1)

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

Mpumalanga

Balfour, Balfour Dierekliniek

Goat: 1

Ermelo, Mōregloed Veterinêre Spreekkamer

Sheep: 1

Lydenburg, Longtom Dierekliniek

Sheep: 2

Gauteng

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Goat: 2

Limpopo

Mokopane, Dr Henk Visser

Beef: 3

North West

Christiana, Christiana Dierehospitaal

Sheep: 2

Potchefstroom, Morvet

Sheep: 3, Goat: 3

Ventersdorp, Ventersdorp Dierekliniek

Sheep: 2, Goat: 2

Free State

Clocolan, Clocolan Dierekliniek

Sheep: 2

Hoopstad, Hoopstad Dierekliniek

Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Sheep: 2

Ladybrand, Ladybrand Dierekliniek

Sheep: 3

Philippolis, Rowelsfontein veearts Spreekkamer

Sheep: 1

Viljoenskroon, Viljoenskroon Dierekliniek

Sheep: 2, Goat: 2

Kwazulu-Natal

Underberg, Underberg Veterinary Surgery

Sheep: 1

Eastern Cape

Aliwal North, Hertzogbrug Dierekliniek

Sheep: 1

Graaff-Reinet, Camdeboo Veterinary Clinic

Goat: 2

Western Cape

Darling, Tygerberg Dierehospitaal Darling

Sheep: 3

George, George Animal Hospital

Sheep: 3

Malmesbury, Malmesbury Dierehospitaal

Sheep: 2

Riversdale, Riversdal Dierekliniek

Sheep: 3

Northern Cape

Colesberg, Karoo Veterinary Hospital

Sheep: 3

Warts

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

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

Beef	1.7 (3)		1.0 (1)	1.0 (1)	1.5 (2)	1.7 (3)		2.0 (1)	
Sheep								2.0 (1)	

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1

Lydenburg, Longtom Dierekliniek

Beef: 2

Lydenburg, Lydenburg Dieresprekkamer

Beef: 2

Limpopo

Mokopane, Dr Henk Visser

Beef: 1

North West**Christiana, Christiana Dierehospitaal**

Beef: 1

Free State**Reitz, Riemland Dierehospitaal**

Beef: 1

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2

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

Beef: 1

Eshowe, Eshowe Veterinary Hospital

Beef: 2

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2

Western Cape**George, George Animal Hospital**

Beef: 2

Worcester, Durban Straat Dierekliniek Worcester

Sheep: 2

Sheep leucosis

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

3.0 (1)

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

Sheep

3.0 (1)

Eastern Cape**Steynsburg, Steynsburg Dierehospitaal**

Sheep: 3

Rota virus

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

1.0 (1)

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

Beef

1.0 (1)

Kwazulu-Natal**Newcastle, Ncanduvet Newcastle**

Beef: 1

Poisonings (Plant) and Fungal**Cestrum**

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

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

Beef					1.5 (4)				
Dairy							2.0 (1)		

Free State

Clocolan, Clocolan Dierekliniek

Beef: 1

Kroonstad, Kroonstad Dierehospitaal

Beef: 1

Reitz, Riemland Dierehospitaal

Beef: 2

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 2

Eastern Cape

Somerset East, Bosberg Veterinary Clinic

Dairy: 2

Facial eczema



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

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

Dairy							2.0 (1)		
Sheep								1.0 (1)	

Eastern Cape

Alexandria, Alexandria Platteland Spreekkamer

Dairy: 2

Western Cape

Heidelberg (WC), Heidelberg Dierekliniek

Sheep: 1

Geeldikkop/Dikoor



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

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

Sheep										2.0 (1)
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Free State
Villiers, Wilgepoort Dierkliniek Vennootskap
 Sheep: 2

Kikuyu poisoning [^](#)

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

Dairy							3.0 (1)		
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Eastern Cape
Alexandria, Alexandria Platteland Spreekamer
 Dairy: 3

Lantana [^](#)

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

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

Beef	2.0 (1)		2.0 (1)			2.0 (3)			
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Mpumalanga
Lydenburg, Longtom Dierkliniek
 Beef: 2

Limpopo
Tzaneen, ZZ2 Farm Practice
 Beef: 2
 XXKV3A VZ

Kwazulu-Natal
Bergville, Bergville Veterinary Clinic
 Beef: 2

Dundee, Endumeni Herd health
 Beef: 2

Eshowe, Eshowe Veterinary Hospital
 Beef: 2

Nitrate poisoning [^](#)

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

Free State
Wesselsbron, Wesselsbron Dierekliniek
 Sheep: 1
Western Cape
Swellendam, Swellendam Dierehospitaal
 Dairy: 2

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

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

Free State
Reitz, Riemland Dierehospitaal
 Sheep: 2
Eastern Cape
Witelsbos, Witelsbos Veterinary Consulting Rooms
 Sheep: 2

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

Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef	1.7 (3)			3.0 (1)		2.0 (1)	1.0 (1)		
Dairy								2.0 (2)	
Sheep					3.0 (1)				

Mpumalanga

Ermelo, Môregloed Veterinêre Spreekkamer

Beef: 2

Hendrina, Mooiplaas Veterinêre Dienste

Beef: 1

Standerton, Econovet

Beef: 2

North West**Stella, Stella Dierekliniek**

Beef: 3

Free State**Viljoenskroon, Viljoenskroon Dierekliniek**

Sheep: 3

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

Beef: 2

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

Beef: 1

Western Cape**Caledon, Overberg Veterinary Hospital**

Dairy: 2

Swellendam, Swellendam Dierehospitaal

Dairy: 2

Mycotoxigenesis

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

Dairy

2.0 (2)

Sheep

3.0 (1)

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

Sheep: 3

Western Cape**Darling, Tygerberg Dierehospitaal Darling**

Dairy: 2

Malmesbury, Malmesbury Dierehospitaal

Dairy: 2

Other

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

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

Goat 1.0 (1)

Eastern Cape
Graaff-Reinet, Camdeboo Veterinary Clinic
 Goat: 1
 Datura

Poisonings

Water contamination

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

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

Sheep		3.0 (1)			3.0 (1)			1.0 (1)	
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Gauteng
Pretoria, Anima Veterinary Consulting Rooms
 Sheep: 3

Free State
Bultfontein, Greylingrust Dieresprekkamer
 Sheep: 3

Western Cape
Malmesbury, Dr Otto Kriek
 Sheep: 1

Urea Poisoning

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

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

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

Mpumalanga
Grootvlei, Grootvlei Dierekliniek
 Beef: 1

Volksrust, Cape Cross Volksrust Dierehospitaal
 Beef: 2

Free State

Bultfontein, Greylingrust Dieresprekkamer

Sheep: 3

Wesselsbron, Wesselsbron Dierekliniek

Beef: 1

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

Beef: 2

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

Dairy: 3

Somerset East, Bosberg Veterinary Clinic

Dairy: 3

Massive losses, 47 late pregnant heifers when fertilizer was accidentally mixed into ration

Snake Bite

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

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

Beef					1.0 (1)				
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Free State**Reitz, Riemland Dierehospitaal**

Beef: 1

Blue-green algae

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

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

Beef					2.0 (1)				
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Free State**Villiers, Wilgepoort Dierekliniek Vennootskap**

Beef: 2

Copper Poisoning

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

Sheep	1.0 (1)
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Eastern Cape

Graaff-Reinet, Camdeboo Veterinary Clinic

Sheep: 1

Macro Nutritional Problems

Energy deficiency

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (1)					3.0 (1)	2.8 (4)	1.8 (5)	2.0 (3)

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

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

Mpumalanga

Lydenburg, Lydenburg Dieresprekkamer

Beef: 2

Kwazulu-Natal

Underberg, Underberg Veterinary Surgery

Beef: 3

Eastern Cape

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Sheep: 2

Steynsburg, Steynsburg Dierehospitaal

Beef: 3, Sheep: 3, Goat: 3

Western Cape

Malmesbury, Dr Otto Kriek

Sheep: 1

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 2, Sheep: 2

Worcester, Durban Straat Dierekliniek Worcester

Beef: 2

Northern Cape

Postmasburg, Postmasburg Dierekliniek

Beef: 2, Sheep: 2, Goat: 2

Protein deficiency

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
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Average	2.0 (1)	2.0 (1)					3.0 (3)	1.8 (5)
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Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

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

Mpumalanga

Lydenburg, Lydenburg Dieresprekkamer

Beef: 2

Gauteng

Hammanskraal, Themba Animal Clinic

Goat: 2

Eastern Cape

Steynsburg, Steynsburg Dierehospitaal

Beef: 3, Sheep: 3, Goat: 3

Western Cape

Malmesbury, Dr Otto Kriek

Sheep: 1

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

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

Beef				2.0 (1)			1.0 (1)		2.0 (1)
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North West

Christiana, Christiana Dierehospitaal

Beef: 2

Eastern Cape

Humansdorp, Humansdorp Veterinary Clinic

Beef: 1

Northern Cape

Postmasburg, Postmasburg Dierekliniek

Beef: 2

Calcium deficiency

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
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Sheep				1.0 (1)	3.0 (1)		1.0 (1)		
Mpumalanga									
Standerton, Econovet									
Beef: 2									
North West									
Christiana, Christiana Dierehospitaal									
Sheep: 1									
Free State									
Ladybrand, Ladybrand Dierekliniek									
Sheep: 3									
Kwazulu-Natal									
Underberg, Underberg Veterinary Surgery									
Beef: 2									
Eastern Cape									
Somerset East, Bosberg Veterinary Clinic									
Sheep: 1									
Western Cape									
Caledon, Overberg Veterinary Hospital									
Dairy: 3									
Magnesium deficiency									^
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									
Manganese deficiency									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average								1.0 (1)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Dairy								1.0 (1)	
Western Cape									
Stellenbosch, Stellenbosch Animal Hospital									
Dairy: 1									
Iodine deficiency									^

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

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

Beef 1.0 (1)

Kwazulu-Natal

Underberg, Underberg Veterinary Surgery

Beef: 1

Vitamin A deficiency

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

Beef 3.0 (1)

Sheep 3.0 (1) 3.0 (1)

North West

Christiana, Christiana Dierehospitaal

Beef: 3

Free State

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 3

Western Cape

Caledon, Overberg Veterinary Hospital

Sheep: 3

Vitamin B 1 deficiency

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

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

Beef 1.0 (1)

Sheep 2.0 (1)

Northern Cape

Kimberley, Kimberley Dierekliniek

Beef: 1

Thiamine deficiency

Postmasburg, Postmasburg Dierekliniek

Sheep: 2

Multi-factorial Disease Conditions**Abortions**

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.6 (5)			2.0 (3)	1.6 (14)	2.0 (7)	2.5 (2)	2.6 (7)	

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

Beef	1.0 (3)			2.0 (2)	1.7 (7)	2.0 (7)	2.0 (1)	2.0 (2)	
Dairy	2.0 (1)				1.0 (1)		3.0 (1)	2.8 (5)	
Sheep				2.0 (1)	1.8 (5)				
Goat	3.0 (1)				1.0 (1)				

Mpumalanga**Balfour, Balfour Dierekliniek**

Beef: 1

Bethal, Bethal Dierekliniek

Dairy: 2

Hendrina, Mooiplaas Veterinêre Dienste

Beef: 1

Lydenburg, Longtom Dierekliniek

Goat: 3

Volkswest, Cape Cross Volkswest Dierehospitaal

Beef: 1

North West**Christiana, Christiana Dierehospitaal**

Beef: 2, Sheep: 2

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 2

Free State**Clocolan, Clocolan Dierekliniek**

Beef: 1

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 1, Dairy: 1

Ladybrand, Ladybrand Dierekliniek

Beef: 1

Parys, Parys Dierehospitaal

Goat: 1

Unknown cause

Philippolis, Rowelsfontein veearts Spreekkamer

Sheep: 1

Reitz, Riemland Dierehospitaal

Sheep: 2

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2, Sheep: 2

Vrede, Vrede Dierehospitaal

Beef: 2

Awaiting results

Wesselsbron, Wesselsbron Dierekliniek

Sheep: 1

Winburg, Winburg Dierekliniek

Beef: 2

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Bergville, Tugela Vet Clinic

Beef: 2

Dundee, Endumeni Herd health

Beef: 2

Eshowe, Eshowe Veterinary Hospital

Beef: 2

Mooi River, Mooirivier Vet Clinic

Beef: 2

Underberg, Underberg Veterinary Surgery

Beef: 2

Vryheid, Vryheid Privaat Veeartse

Beef: 2

Eastern Cape

Humansdorp, Humansdorp Veterinary Clinic

Beef: 2

Somerset East, Bosberg Veterinary Clinic

Dairy: 3

Western Cape

Darling, Tygerberg Dierehospitaal Darling

Dairy: 3

Feed induced

Malmesbury, Dr Otto Kriek

Dairy: 2

Malmesbury, Invitrotech

Dairy: 3

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 3

Stellenbosch, Stellenbosch Animal Hospital

Beef: 2

Swellendam, Swellendam Dierehospitaal

Dairy: 3

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

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

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

Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 1

Free State

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Wesselsbron, Wesselsbron Dierekliniek

Sheep: 1

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Western Cape

Riversdale, Riversdal Dierekliniek

Dairy: 2

Stellenbosch, Stellenbosch Animal Hospital

Beef: 1

Abscesses

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.3 (3)	1.0 (1)	1.0 (1)	3.0 (2)	2.0 (6)	1.5 (2)	1.5 (4)	1.9 (9)	

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

Beef	1.3 (3)		1.0 (1)	3.0 (1)	2.5 (2)	2.0 (1)	1.0 (1)	2.0 (2)
Dairy							1.0 (1)	2.0 (3)
Sheep		1.0 (1)		3.0 (1)	2.0 (3)		2.0 (1)	1.8 (4)
Goat					1.0 (1)	1.0 (1)	2.0 (1)	

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1

Lydenburg, Lydenburg Dieresprekkamer

Beef: 2

Volksrust, Cape Cross Volksrust Dierehospitaal

Beef: 1

Gauteng

Pretoria, Anima Veterinary Consulting Rooms

Sheep: 1

Limpopo

Tzaneen, ZZ2 Farm Practice

Beef: 1

PZSTBA TED JONES BULL

North West

Christiana, Christiana Dierehospitaal

Beef: 3, Sheep: 3

Free State

Bultfontein, Greylingrust Dieresprekkamer

Sheep: 2

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Smithfield, Freestate Smithfield SV

Goat: 1

Corynebacterium pseudotuberculosis

Wesselsbron, Wesselsbron Dierekliniek

Sheep: 1

Winburg, Winburg Dierekliniek

Beef: 2

Kwazulu-Natal

Camperdown, Camperdown Vet Clinic

Goat: 1

CLA

Mooi River, Mooirivier Vet Clinic

Beef: 2

Eastern Cape

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Sheep: 2

Humansdorp, Humansdorp Veterinary Clinic

Beef: 1

Port Alfred, Port Alfred Veterinary Clinic

Goat: 2

Hoof abscesses - 2 cases

Somerset East, Bosberg Veterinary Clinic

Dairy: 1

Mitral valve abscess growing into the left ventricle

Western Cape

Caledon, Overberg Veterinary Hospital

Sheep: 2

Darling, Tygerberg Dierehospitaal Darling

Beef: 2, Sheep: 2

Malmesbury, Invitrotech

Dairy: 2

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 3, Sheep: 2

Oudtshoorn, Ostrimed

Sheep: 1

Plettenberg Bay, Plettenberg Bay A Reitz

Dairy: 1

Friesland cow died, liver abscesses seen at necropsy. One in 400 animals. Animal had pain, abscess blocked gall bladder

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.5 (4)	1.7 (3)	1.0 (1)	1.0 (1)	2.5 (4)	2.0 (2)	3.0 (1)	2.0 (3)	

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

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

Mpumalanga

Hendrina, Mooiplaas Veterinêre Dienste

Beef: 1

Lydenburg, Longtom Dierekliniek

Beef: 2, Sheep: 2

Nelspruit, Nelspruit Animal Hospital

Goat: 1

Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 1, Goat: 2

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Sheep: 2

Limpopo

Mokopane, Dr Henk Visser

Beef: 1

North West

Schweizer-Reneke, Buffeldoorn Dierekliniek SR

Beef: 1

Free State

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Winburg, Winburg Dierekliniek

Beef: 2, Sheep: 2

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2

Ticks

Eastern Cape

Steynsburg, Steynsburg Dierehospitaal

Sheep: 3

Western Cape

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 2, Sheep: 2

Bladder stones



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

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

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

Gauteng

Hammanskraal, Themba Animal Clinic

Goat: 1

Free State

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 2

Eastern Cape

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Sheep: 2

Blindness



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

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

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

Mpumalanga

Lydenburg, Longtom Dierekliniek

Beef: 2, Sheep: 2

Western Cape

Caledon, Overberg Veterinary Hospital

Sheep: 2

Bloat



PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.7 (3)			1.0 (1)	1.5 (4)	2.0 (1)	1.5 (2)	1.8 (4)	1.0 (1)

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

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

Mpumalanga

Grootvlei, Grootvlei Dierekliniek

Beef: 1

Lydenburg, Longtom Dierekliniek

Beef: 1

Volksrust, Cape Cross Volksrust Dierehospitaal

Sheep: 3

North West

Schweizer-Reneke, Buffeldoorn Dierekliniek SR

Beef: 1

Free State

Ficksburg, Oosvrystaat Diere Produkte

Sheep: 1

Ladybrand, Ladybrand Dierekliniek

Sheep: 1

Memel, Memel Veterinary Clinic

Beef: 2

Winburg, Winburg Dierekliniek

Beef: 2

Kwazulu-Natal

Dundee, Endumeni Herd health

Dairy: 2

Eastern Cape

Alexandria, Alexandria Platteland Spreekkamer

Dairy: 2

Graaff-Reinet, Camdeboo Veterinary Clinic

Goat: 1

Western Cape

Beaufort West, Beaufort Dierekliniek

Sheep: 1

Malmesbury, Invitrotech

Dairy: 1

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 3

Northern Cape

Kimberley, Kimberley Dierekliniek

Beef: 1

Blood gut (sheep and goat) [^](#)

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

Sheep	3.0 (1)	2.0 (2)
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Mpumalanga
Volksrust, Cape Cross Volksrust Dierehospitaal
Sheep: 3
Free State
Villiers, Wilgepoort Dierekliniek Vennootskap
Sheep: 2
Vrede, Vrede Dierehospitaal
Sheep: 2

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

Sheep	2.0 (2)	1.8 (4)	3.0 (1)	2.0 (4)
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Mpumalanga
Lydenburg, Longtom Dierekliniek
Sheep: 2
Standerton, Econovet
Sheep: 2
Free State
Kroonstad, Kroonstad Dierehospitaal
Sheep: 2
Villiers, Wilgepoort Dierekliniek Vennootskap
Sheep: 2
Vrede, Vrede Dierehospitaal
Sheep: 1
Wesselsbron, Wesselsbron Dierekliniek
Sheep: 2
Eastern Cape
Steynsburg, Steynsburg Dierehospitaal
Sheep: 3
Western Cape
Caledon, Overberg Veterinary Hospital
Sheep: 2
Piketberg, Piketberg Dierehospitaal
Sheep: 3
Riversdale, Riversdal Dierekliniek
Sheep: 2
Stellenbosch, Stellenbosch Animal Hospital
Sheep: 1

Diarrhoea [^](#)

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.4 (5)	3.0 (1)		3.0 (7)	2.6 (18)	2.4 (10)	2.0 (1)	2.6 (7)	

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

Beef	2.7 (3)	3.0 (1)		3.0 (3)	2.6 (7)	2.7 (6)	2.0 (1)	2.5 (2)	
Dairy					3.0 (1)	1.0 (1)		2.5 (4)	
Sheep	3.0 (1)			3.0 (4)	2.7 (9)	2.0 (1)		3.0 (1)	
Goat	1.0 (1)				2.0 (1)	2.5 (2)			

Mpumalanga

Grootvlei, Grootvlei Dierekliniek

Beef: 2

Lydenburg, Longtom Dierekliniek

Beef: 3, Sheep: 3

Lydenburg, Lydenburg Dieresprekkamer

Beef: 3

Nelspruit, Nelspruit Animal Hospital

Goat: 1

Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 3

North West

Christiana, Christiana Dierehospitaal

Beef: 3, Sheep: 3

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 3, Sheep: 3

Lichtenburg, Dr CM Kruger-Rall

Sheep: 3

Lambs

Stella, Stella Dierekliniek

Beef: 3, Sheep: 3

Free State

Bultfontein, Greylingrust Dieresprekkamer

Beef: 3, Sheep: 3, Goat: 2

Clocolan, Clocolan Dierekliniek

Beef: 3, Dairy: 3, Sheep: 3

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Sheep: 3

Ladybrand, Ladybrand Dierekliniek

Sheep: 3

Reitz, Riemland Dierehospitaal

Beef: 2, Sheep: 2

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 3, Sheep: 3

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2, Sheep: 3

Wesselsbron, Wesselsbron Dierekliniek

Sheep: 1

Winburg, Winburg Dierekliniek

Beef: 2

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

Beef: 3

Bergville, Tugela Vet Clinic

Beef: 2, Sheep: 2, Goat: 2

Dundee, Endumeni Herd health

Beef: 3, Dairy: 1

Mooi River, Mooirivier Vet Clinic

Beef: 2

Underberg, Underberg Veterinary Surgery

Beef: 3

Vryheid, Vryheid Privaat Veeartse

Beef: 3, Goat: 3

Eastern Cape**Humansdorp, Humansdorp Veterinary Clinic**

Beef: 2

Western Cape**Caledon, Overberg Veterinary Hospital**

Dairy: 2

Malmesbury, Invitrotech

Dairy: 2

Malmesbury, Malmesbury Dierehospitaal

Beef: 3, Dairy: 3, Sheep: 3

Oudtshoorn, Ostrimed

Beef: 2

Bought in calves for rearing

Swellendam, Swellendam Dierehospitaal

Dairy: 3

Epididymitis

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

Sheep		2.0 (1)			1.0 (1)				
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Gauteng**Pretoria, Anima Veterinary Consulting Rooms**

Sheep: 2

Free State**Bultfontein, Greylingrust Dieresprekkamer**

Sheep: 1

Eye Cancer

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average					1.4 (7)	1.0 (1)	3.0 (1)	1.5 (2)	

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

Beef					1.5 (4)	1.0 (1)			
Dairy					1.3 (3)			1.5 (2)	
Sheep							3.0 (1)		

Free State**Clocolan, Clocolan Dierekliniek**

Dairy: 2

Kroonstad, Kroonstad Dierehospitaal

Beef: 1, Dairy: 1

Ladybrand, Ladybrand Dierekliniek

Dairy: 1

Memel, Memel Veterinary Clinic

Beef: 1

Reitz, Riemland Dierehospitaal

Beef: 2

Winburg, Winburg Dierekliniek

Beef: 2

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

Beef: 1

Eastern Cape**Steynsburg, Steynsburg Dierehospitaal**

Sheep: 3

Western Cape**Malmesbury, Invitrotech**

Dairy: 2

Malmesbury, Malmesbury Dierehospitaal

Dairy: 1

Eye infections

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.5 (6)	1.7 (3)		3.0 (6)	2.2 (13)	1.7 (9)	2.1 (7)	2.1 (7)	1.0 (1)

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

Beef	1.7 (3)	1.0 (1)		3.0 (3)	2.1 (7)	1.8 (6)	2.0 (4)	1.5 (2)	1.0 (1)
Dairy					2.0 (3)			2.5 (2)	
Sheep	1.5 (2)	1.0 (1)		3.0 (2)	2.3 (3)	1.5 (2)	2.3 (3)	3.0 (2)	
Goat	1.0 (1)	3.0 (1)		3.0 (1)		1.0 (1)		1.0 (1)	

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1, Sheep: 1, Goat: 1

Lydenburg, Longtom Dierekliniek

Beef: 2, Sheep: 2

Nelspruit, Nelspruit Animal Hospital

Beef: 2

Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 1, Goat: 3

Pretoria, Anima Veterinary Consulting Rooms

Sheep: 1

North West

Brits, Brits Dierekliniek

Goat: 3

Christiana, Christiana Dierehospitaal

Beef: 3, Sheep: 3

Leeudoringstad, Leeudoringstad Dierekliniek

Beef: 3

Moraxella bovis

Schweizer-Reneke, Buffeldoorn Dierekliniek SR

Beef: 3, Sheep: 3

Free State

Bloemfontein, Dr Stephan Wessels

Beef: 2

Clocolan, Clocolan Dierekliniek

Beef: 1, Dairy: 1

Kroonstad, Kroonstad Dierehospitaal

Beef: 2, Dairy: 2, Sheep: 3

Reitz, Riemland Dierehospitaal

Beef: 3, Dairy: 3, Sheep: 3

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 2

Wesselsbron, Wesselsbron Dierekliniek

Beef: 2, Sheep: 1

Winburg, Winburg Dierekliniek

Beef: 3

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Bergville, Tugela Vet Clinic

Beef: 2, Sheep: 2

Camperdown, Camperdown Vet Clinic

Goat: 1

Mooi River, Mooirivier Vet Clinic

Beef: 1

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2

Pongola, Pongola Animal Clinic

Sheep: 1

Underberg, Underberg Veterinary Surgery

Beef: 2

Vryheid, Vryheid Privaat Veeartse

Beef: 2

Eastern Cape

Cradock, Cradock Veterinary Clinic

Beef: 2

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Sheep: 2

Port Alfred, Port Alfred Veterinary Clinic

Beef: 1

Kleinemonde

Queenstown, Queenstown Veterinary clinic

Beef: 2

Steynsburg, Steynsburg Dierehospitaal

Beef: 3, Sheep: 3

Witelsbos, Witelsbos Veterinary Consulting Rooms

Sheep: 2

Western Cape

Caledon, Overberg Veterinary Hospital

Dairy: 3, Sheep: 3

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 2

Oudtshoorn, Ostrimed

Beef: 1

Conjunctivitis – short spell of increase of miges and worry flies after rain and warm weather

Piketberg, Piketberg Dierehospitaal

Sheep: 3

Stellenbosch, Stellenbosch Animal Hospital

Goat: 1

Northern Cape

Kathu, Kathu Direkliniek

Beef: 1

Joint Ill									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.5 (4)	1.0 (1)		2.0 (2)	1.4 (5)	1.3 (3)	2.0 (4)	2.0 (3)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef	1.0 (2)	1.0 (1)		2.0 (1)	1.5 (2)	1.3 (3)	2.0 (1)	2.0 (1)	

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

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1

Lydenburg, Longtom Dierekliniek

Beef: 1, Sheep: 1

Volksrust, Cape Cross Volksrust Dierehospitaal

Sheep: 3

Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 1

North West

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 2, Sheep: 2

Free State

Bultfontein, Greylingrust Diersprekkamer

Beef: 1, Goat: 1

Kroonstad, Kroonstad Dierehospitaal

Sheep: 2

Wesselsbron, Wesselsbron Dierekliniek

Sheep: 1

Winburg, Winburg Dierekliniek

Beef: 2

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 1

Camperdown, Camperdown Vet Clinic

Beef: 1

Calf

Vryheid, Vryheid Privaat Veeartse

Beef: 2

Eastern Cape

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Sheep: 2, Goat: 2

Port Alfred, Port Alfred Veterinary Clinic

Beef: 2

Joint abscesses - 2 cases Shaw Park

Sheep: 2

Joint abscesses - 5 cases, Bathurst

Western Cape

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 2

Swellendam, Swellendam Dierehospitaal

Dairy: 2

Lameness/Foot Problems

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
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Average	1.9 (7)	1.8 (5)		2.3 (3)	2.3 (8)	1.7 (6)	1.7 (3)	2.2 (6)
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Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef	1.8 (4)	2.0 (3)		2.5 (2)	1.8 (4)	1.5 (2)	2.0 (1)	2.0 (1)
Dairy	2.0 (1)				3.0 (1)	2.0 (1)		2.3 (4)
Sheep	2.0 (2)	2.0 (1)		2.0 (1)	2.7 (3)	1.5 (2)	2.0 (1)	2.0 (1)
Goat		1.0 (1)				2.0 (1)	1.0 (1)	

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 2

Hendrina, Mooiplaas Veterinêre Dienste

Beef: 1

Lydenburg, Longtom Dierekliniek

Beef: 2

Foot rot

Dairy: 2

Foot rot

Sheep: 2

Foot rot

Lydenburg, Lydenburg Dieresprekkamer

Sheep: 2

Middelburg, Middelburg Dierehospitaal

Beef: 2

Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 3

Pretoria, Anima Veterinary Consulting Rooms

Beef: 2, Sheep: 2

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 1, Goat: 1

North West

Christiana, Christiana Dierehospitaal

Beef: 3

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 2, Sheep: 2

Free State

Bloemfontein, Dr Stephan Wessels

Beef: 1

Bultfontein, Greylingrust Dieresprekkamer

Sheep: 2

Kroonstad, Kroonstad Dierehospitaal

Dairy: 3

Philippolis, Rowelsfontein veearts Spreekkamer

Sheep: 3

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 3, Sheep: 3

Wesselsbron, Wesselsbron Dierekliniek

Beef: 1

Winburg, Winburg Dierekliniek

Beef: 2

Kwazulu-Natal

Camperdown, Camperdown Vet Clinic

Dairy: 2

Foot rot

Goat: 2

Foot rot

Mooi River, Mooirivier Vet Clinic

Beef: 2, Sheep: 2

Underberg, Underberg Veterinary Surgery

Beef: 1, Sheep: 1

Eastern Cape

Cradock, Cradock Veterinary Clinic

Sheep: 2

Foot rot

Humansdorp, Humansdorp Veterinary Clinic

Beef: 2

Uitenhage, Uitenhage Dierehospitaal

Goat: 1

Western Cape

Caledon, Overberg Veterinary Hospital

Dairy: 2

George, George Animal Hospital

Dairy: 2

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 3, Sheep: 2

Swellendam, Swellendam Dierehospitaal

Dairy: 2

Lung infection

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.2 (9)	1.8 (4)	2.0 (1)	2.7 (7)	2.3 (21)	2.1 (14)	1.3 (4)	2.3 (11)	2.0 (2)

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

Beef	2.0 (6)	2.0 (2)		2.7 (3)	2.3 (12)	2.3 (8)	1.0 (1)	2.0 (1)	
Dairy					2.0 (1)	2.0 (2)	2.0 (1)	2.3 (6)	
Sheep	2.7 (3)	1.5 (2)	2.0 (1)	2.8 (4)	2.4 (8)	2.0 (3)	1.0 (2)	2.3 (4)	2.0 (2)
Goat						2.0 (1)			

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 3

Pasteurellosis

Sheep: 3

Pasteurellosis

Grootvlei, Grootvlei Dierekliniek

Beef: 2

Lydenburg, Longtom Dierekliniek

Beef: 2, Sheep: 2

Middelburg, Middelburg Dierehospitaal

Beef: 3, Sheep: 3

Nelspruit, Nelspruit Animal Hospital

Beef: 1

Volksrust, Cape Cross Volksrust Dierehospitaal

Beef: 1

Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 2, Sheep: 1

Magaliesburg, Magaliesburg; Dr Ryan Jeffrey

Beef: 2

Calf pneumonia

Pretoria, Anima Veterinary Consulting Rooms

Sheep: 2

Limpopo

Mokopane, Dr Henk Visser

Sheep: 2

North West

Christiana, Christiana Dierehospitaal

Beef: 3, Sheep: 3

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 2, Sheep: 2

Leeudoringstad, Leeudoringstad Dierekliniek

Sheep: 3

Potchefstroom, Morvet

Beef: 3, Sheep: 3

Pasteurellosis

Free State

Bethlehem, Bethlehem Animal Hospital

Beef: 3

Bloemfontein, Dr Stephan Wessels

Beef: 2

Clocolan, Clocolan Dierekliniek

Beef: 3, Dairy: 2, Sheep: 2

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 1, Sheep: 3

Ladybrand, Ladybrand Dierekliniek

Beef: 1

Memel, Memel Veterinary Clinic

Beef: 3

Parys, Parys Dierehospitaal

Sheep: 2

Histophilus somnii

Reitz, Riemland Dierehospitaal

Beef: 2

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 3, Sheep: 3

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2, Sheep: 3

Vrede, Vrede Dierehospitaal

Beef: 2, Sheep: 2

Wesselsbron, Wesselsbron Dierekliniek

Sheep: 1

Winburg, Winburg Dierekliniek

Beef: 2

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

Beef: 2

Bergville, Tugela Vet Clinic

Beef: 2, Sheep: 2, Goat: 2

Dundee, Endumeni Herd health

Beef: 2, Dairy: 1

Eshowe, Eshowe Veterinary Hospital

Beef: 2

Feed lot

Mooi River, Mooirivier Vet Clinic

Beef: 2, Sheep: 1

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2

Newcastle, Ncanduvet Newcastle

Beef: 3

Underberg, Underberg Veterinary Surgery

Dairy: 3, Sheep: 3

Vryheid, Vryheid Privaat Veeartse

Beef: 3

Eastern Cape**Alexandria, Alexandria Platteland Spreekkamer**

Dairy: 2

Cradock, Cradock Veterinary Clinic

Beef: 1

Asperation pneumonia

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Sheep: 1

Uitenhage, Uitenhage Dierehospitaal

Sheep: 1

Western Cape**Caledon, Overberg Veterinary Hospital**

Sheep: 2

Darling, Tygerberg Dierehospitaal Darling

Dairy: 3

Malmesbury, Dr Otto Kriek

Dairy: 1

Malmesbury, Invitrotech

Dairy: 3

Fifteen cases

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 3, Sheep: 2

Piketberg, Piketberg Dierehospitaal

Sheep: 3

Pasteurellosis in young lambs

Riversdale, Riversdal Dierekliniek

Dairy: 2, Sheep: 2

Swellendam, Swellendam Dierehospitaal

Dairy: 2

Northern Cape**Calvinia, Calvinia Veeartskliniek**

Sheep: 3

Kimberley, Kimberley Dierekliniek

Sheep: 1

Foreign body pneumonia

Mastitis in general

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.5 (4)	1.8 (4)		2.5 (2)	2.0 (2)	2.0 (3)	1.5 (2)	2.3 (10)	

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

Beef	1.5 (2)	3.0 (1)		2.0 (1)	2.0 (2)	1.5 (2)	1.0 (1)		
Dairy		1.0 (1)		3.0 (1)		3.0 (1)	2.0 (1)	2.3 (10)	
Sheep	1.5 (2)	2.0 (1)							
Goat		1.0 (1)							

Mpumalanga**Balfour, Balfour Dierekliniek**

Beef: 1

Bethal, Bethal Dierekliniek

Sheep: 1

Lydenburg, Longtom Dierekliniek

Beef: 2, Sheep: 2

Gauteng**Hammanskraal, Themba Animal Clinic**

Beef: 3, Dairy: 1, Goat: 1

Pretoria, Anima Veterinary Consulting Rooms

Sheep: 2

North West**Christiana, Christiana Dierehospitaal**

Beef: 2

Potchefstroom, Morvet

Dairy: 3

Free State**Bloemfontein, Dr Stephan Wessels**

Beef: 2

Winburg, Winburg Dierekliniek

Beef: 2

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

Beef: 1

Mooi River, Mooirivier Vet Clinic

Dairy: 3

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2

Eastern Cape**Alexandria, Alexandria Platteland Spreekkamer**

Dairy: 2

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Beef: 1

Western Cape**Caledon, Caledon Dierekliniek**

Dairy: 3

Caledon, Overberg Veterinary Hospital

Dairy: 2

Darling, Tygerberg Dierehospitaal Darling

Dairy: 2

George, Dr Mark Chimes

Dairy: 2

George, George Animal Hospital

Dairy: 3

Malmesbury, Dr Otto Kriek

Dairy: 1

Malmesbury, Invitrotech

Dairy: 3

Twenty three cases; Mastitis culled 24

Malmesbury, Malmesbury Dierehospitaal

Dairy: 3

Oudtshoorn, Ostrimed

Dairy: 1

Swellendam, Swellendam Dierehospitaal

Dairy: 3

Navel III

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

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

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

Mpumalanga**Lydenburg, Longtom Dierekliniek**

Sheep: 2

Free State**Wesselsbron, Wesselsbron Dierekliniek**

Sheep: 1

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

Beef: 1

Western Cape**Malmesbury, Malmesbury Dierehospitaal**

Dairy: 1

Stellenbosch, Stellenbosch Animal Hospital

Dairy: 3

Red gut (Sheep) [^](#)

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

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

Sheep	2.0 (1)				1.5 (2)				2.0 (1)
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Mpumalanga

Lydenburg, Longtom Dierekliniek

Sheep: 2

Free State

Clocolan, Clocolan Dierekliniek

Sheep: 1

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 2

Northern Cape

Kimberley, Kimberley Dierekliniek

Sheep: 2

Trauma [^](#)

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

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

Beef	2.0 (1)								
Sheep							2.0 (1)		

Mpumalanga

Lydenburg, Longtom Dierekliniek

Beef: 2

Eastern Cape

Witelsbos, Witelsbos Veterinary Consulting Rooms

Sheep: 2

Downer [^](#)

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
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Average		1.0 (1)	1.0 (1)	1.0 (1)	1.6 (7)	3.0 (1)		3.0 (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

Beef		1.0 (1)	1.0 (1)	1.0 (1)	1.6 (5)				3.0 (1)
Dairy					1.0 (1)	3.0 (1)		3.0 (1)	
Sheep					2.0 (1)				

Gauteng

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 1

Limpopo

Mokopane, Dr Henk Visser

Beef: 1

North West

Schweizer-Reneke, Buffeldoorn Dierekliniek SR

Beef: 1

Free State

Bultfontein, Greylingrust Dieresprekkamer

Beef: 2

Kroonstad, Kroonstad Dierehospitaal

Beef: 1, Dairy: 1

Reitz, Riemland Dierehospitaal

Beef: 2

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2, Sheep: 2

Wesselsbron, Wesselsbron Dierekliniek

Beef: 1

Kwazulu-Natal

Underberg, Underberg Veterinary Surgery

Dairy: 3

Post-calving downers - cows in poor condition, kikuyu grazing, milk fever, negative energy balance with ketosis.

Western Cape

Malmesbury, Invitrotech

Dairy: 3

Twenty

Northern Cape

Kuruman, State Vet Kuruman

Beef: 3

Numerous

Other

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

North West**Potchefstroom, Morvet**

Beef: 3, Sheep: 3

Free State**Bultfontein, Greylingrust Dieresprekkamer**

Beef: 2, Sheep: 2

Clocolan, Clocolan Dierekliniek

Dairy: 1

Ficksburg, Oosvrystaat Diere Produkte

Sheep: 3

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Sheep: 2

Ladybrand, Ladybrand Dierekliniek

Sheep: 1

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2, Sheep: 3

Winburg, Winburg Dierekliniek

Beef: 2

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

Dairy: 2

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

Sheep: 1

Steynsburg, Steynsburg Dierehospitaal

Sheep: 3

Western Cape**Beaufort West, Beaufort Dierekliniek**

Sheep: 1

With concurrent laminitis

Beaufort West, Beaufort West State Vet

Sheep: 1

Feed, animals not adapted

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 3, Sheep: 2

Displaced abomasum

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

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

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

Limpopo**Mokopane, Dr Henk Visser**

Beef: 1

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

Dairy: 3

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

Sheep: 2

Western Cape**Malmesbury, Invitrotech**

Dairy: 2

Malmesbury, Malmesbury Dierehospitaal

Dairy: 2

Ketosis

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (1)	2.0 (1)			2.5 (2)		1.5 (2)	2.7 (3)	

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

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

Mpumalanga**Standerton, Econovet**

Sheep: 2

Gauteng**Bronkhorstspuit, Kerkstraat Dierekliniek**

Sheep: 2

Free State**Hoopstad, Hoopstad Dierekliniek**

Sheep: 3

Parys, Parys Dierehospitaal

Sheep: 2

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

Dairy: 1

Steynsburg, Steynsburg Dierehospitaal

Sheep: 2

Western Cape**Caledon, Overberg Veterinary Hospital**

Sheep: 2

Heidelberg (WC), Heidelberg Dierekliniek

Sheep: 3

Malmesbury, Malmesbury Dierehospitaal

Dairy: 3

Milk Fever

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
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Average	2.0 (1)	3.0 (1)	1.3 (4)	1.0 (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					
Beef			1.0 (1)		2.0 (1)
Dairy	2.0 (1)	3.0 (1)	1.5 (2)	1.0 (1)	2.0 (2)
Sheep			1.0 (1)		2.0 (1)

Gauteng

Hammanskraal, Themba Animal Clinic

Dairy: 2

North West

Potchefstroom, Morvet

Dairy: 3

Free State

Clocolan, Clocolan Dierekliniek

Dairy: 2

Ficksburg, Oosvrystaat Diere Produkte

Dairy: 1

Wesselsbron, Wesselsbron Dierekliniek

Beef: 1, Sheep: 1

Kwazulu-Natal

Camperdown, Camperdown Vet Clinic

Dairy: 1

Western Cape

Heidelberg (WC), Heidelberg Dierekliniek

Dairy: 2, Sheep: 2

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 2

Reproductive diseases

Dystocia (Difficult Births)

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.9 (7)	1.8 (4)	1.0 (1)	2.4 (8)	2.0 (16)	1.8 (9)	1.3 (4)	2.1 (13)	2.0 (2)

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

Beef	1.6 (5)	2.0 (1)		2.3 (6)	2.0 (9)	1.9 (7)	1.0 (1)	1.8 (4)	2.0 (1)
Dairy					2.0 (2)		2.0 (1)	2.1 (7)	

Sheep	2.5 (2)	1.5 (2)		2.5 (2)	2.0 (5)	1.5 (2)	1.0 (2)	2.5 (2)
Goat		2.0 (1)	1.0 (1)					2.0 (1)

Mpumalanga

Bethal, Bethal Dierekliniek

Beef: 2

Grootvlei, Grootvlei Dierekliniek

Beef: 1

Lydenburg, Lydenburg Dieresprekkamer

Beef: 1, Sheep: 2

Middelburg, Middelburg Dierehospitaal

Beef: 3, Sheep: 3

Volksrust, Cape Cross Volksrust Dierehospitaal

Beef: 1

Gauteng

Pretoria, Anima Veterinary Consulting Rooms

Sheep: 1

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 2, Sheep: 2, Goat: 2

Limpopo

Mokopane, Dr Henk Visser

Goat: 1

North West

Brits, Brits Dierekliniek

Beef: 2

Christiana, Christiana Dierehospitaal

Beef: 2

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 3, Sheep: 3

Leeudoringstad, Leeudoringstad Dierekliniek

Beef: 2, Sheep: 2

Stella, Stella Dierekliniek

Beef: 3

Ventersdorp, Ventersdorp Dierekliniek

Beef: 2

Free State

Bloemfontein, Dr Stephan Wessels

Beef: 1

Clocolan, Clocolan Dierekliniek

Beef: 2

Ficksburg, Oosvrystaat Dier Produkte

Beef: 3, Dairy: 2, Sheep: 1

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 2, Sheep: 2

Reitz, Riemland Dierehospitaal

Beef: 2, Dairy: 2

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 2

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2, Sheep: 2

Wesselsbron, Wesselsbron Dierekliniek

Beef: 1, Sheep: 2

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

Beef: 2

Bergville, Tugela Vet Clinic

Beef: 2, Sheep: 2

Dundee, Endumeni Herd health

Beef: 1

Mooi River, Mooirivier Vet Clinic

Beef: 2

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2

Newcastle, Ncanduvet Newcastle

Beef: 3

Underberg, Underberg Veterinary Surgery

Beef: 1, Sheep: 1

Eastern Cape**Alexandria, Alexandria Platteland Spreekkamer**

Dairy: 2

Graaff-Reinet, Camdeboo Veterinary Clinic

Sheep: 1

Humansdorp, Humansdorp Veterinary Clinic

Beef: 1, Sheep: 1

Western Cape**Caledon, Caledon Dierekliniek**

Dairy: 1

Caledon, Overberg Veterinary Hospital

Beef: 2, Sheep: 2

Darling, Tygerberg Dierehospitaal Darling

Dairy: 2

Malmesbury, Dr Otto Kriek

Dairy: 3

Malmesbury, Invitrotech

Dairy: 3

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 2

Moorreesburg, Tygerberg Moorreesburg

Sheep: 3

Oudtshoorn, Oudtshoorn Dierekliniek

Beef: 1

Stellenbosch, Stellenbosch Animal Hospital

Beef: 2

Swellendam, Swellendam Dierehospitaal

Dairy: 2

Worcester, Durban Straat Dierekliniek Worcester

Dairy: 2

Northern Cape**Postmasburg, Postmasburg Dierekliniek**

Beef: 2, Goat: 2

Endometritis

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
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Average		2.0 (1)	1.0 (1)	2.8 (4)
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported				
Beef			1.0 (1)	
Dairy		2.0 (1)		2.8 (4)

Free State				
Kroonstad, Kroonstad Dierehospitaal				
Dairy: 2				
Kwazulu-Natal				
Mtubatuba, Mtubatuba Animal Clinic				
Beef: 1				
Western Cape				
Caledon, Caledon Dierekliniek				
Dairy: 3				
Malmesbury, Malmesbury Dierehospitaal				
Dairy: 3				
Swellendam, Swellendam Dierehospitaal				
Dairy: 3				
Worcester, Durban Straat Dierekliniek Worcester				
Dairy: 2				

Metritis									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.5 (2)			2.5 (2)	1.7 (3)	2.0 (1)		2.4 (5)	

Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef	1.5 (2)			2.0 (1)	1.0 (1)	2.0 (1)			
Dairy				3.0 (1)	2.0 (2)			2.4 (5)	

Mpumalanga									
Balfour, Balfour Dierekliniek									
Beef: 1									
Lydenburg, Longtom Dierekliniek									
Beef: 2									
North West									
Christiana, Christiana Dierehospitaal									
Beef: 2									
Potchefstroom, Morvet									
Dairy: 3									
Free State									
Bloemfontein, Dr Stephan Wessels									
Beef: 1									

Clocolan, Clocolan Dierekliniek

Dairy: 3

Kroonstad, Kroonstad Dierehospitaal

Dairy: 1

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

Beef: 2

Western Cape**Caledon, Caledon Dierekliniek**

Dairy: 3

Darling, Tygerberg Dierehospitaal Darling

Dairy: 3

Malmesbury, Dr Otto Kriek

Dairy: 1

Malmesbury, Malmesbury Dierehospitaal

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
Average	2.3 (3)	2.0 (1)		2.0 (1)	1.9 (9)	2.7 (3)	2.7 (3)	2.3 (3)	

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

Beef	2.3 (3)	2.0 (1)		2.0 (1)	1.8 (6)	2.5 (2)	2.5 (2)		
Dairy					1.0 (1)	3.0 (1)		2.3 (3)	
Sheep					2.5 (2)		3.0 (1)		

Mpumalanga**Balfour, Balfour Dierekliniek**

Beef: 1

Lydenburg, Lydenburg Dieresprekkamer

Beef: 3

Middelburg, Middelburg Dierehospitaal

Beef: 3

Gauteng**Hammanskraal, Themba Animal Clinic**

Beef: 2

North West**Klerksdorp, Klerksdorp Dierehospitaal**

Beef: 2

Free State**Clocolan, Clocolan Dierekliniek**

Beef: 2

Kroonstad, Kroonstad Dierehospitaal

Beef: 1, Dairy: 1

Memel, Memel Veterinary Clinic

Beef: 2

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2, Sheep: 2

Vrede, Saulshoek Dierepraktyk

Sheep: 3

First calving heifers - poor management and supplement feeding

Wesselsbron, Wesselsbron Dierekliniek

Beef: 1

Winburg, Winburg Dierekliniek

Beef: 3

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

Beef: 2

Mooi River, Mooirivier Vet Clinic

Beef: 3

Underberg, Underberg Veterinary Surgery

Dairy: 3

Disappointing in dairy cattle

Eastern Cape**Humansdorp, Humansdorp Veterinary Clinic**

Beef: 2

Steynsburg, Steynsburg Dierehospitaal

Beef: 3, Sheep: 3

Western Cape**Malmesbury, Dr Otto Kriek**

Dairy: 2

Malmesbury, Malmesbury Dierehospitaal

Dairy: 2

Swellendam, Swellendam Dierehospitaal

Dairy: 3

Retained afterbirth

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.3 (6)	1.0 (1)		2.0 (1)	1.5 (2)	1.3 (3)		1.7 (3)	

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

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

Mpumalanga**Balfour, Balfour Dierekliniek**

Beef: 1, Goat: 1

Lydenburg, Longtom Dierekliniek

Sheep: 2, Goat: 2

Lydenburg, Lydenburg Dieresprekkamer

Beef: 1

Volksrust, Cape Cross Volksrust Dierehospitaal

Beef: 1

Gauteng

Bronkhorstspuit, Kerkstraat Dierekliniek

Beef: 1

North West

Leeudoringstad, Leeudoringstad Dierekliniek

Beef: 2

Free State

Bloemfontein, Dr Stephan Wessels

Beef: 2

Clocolan, Clocolan Dierekliniek

Beef: 1

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Bergville, Tugela Vet Clinic

Goat: 1

Mooi River, Mooirivier Vet Clinic

Beef: 1

Western Cape

Caledon, Caledon Dierekliniek

Beef: 1

Malmesbury, Dr Otto Kriek

Dairy: 1

Malmesbury, Malmesbury Dierehospitaal

Dairy: 3

Sheath Prolaps

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
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Average					1.4 (5)				
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Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef					1.4 (5)				
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Free State

Ficksburg, Oosvrystaat Dier Produkte

Beef: 1

Hoopstad, Hoopstad Dierekliniek

Beef: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 1

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 1

Wesselsbron, Wesselsbron Dierekliniek

Beef: 1

Uterus prolaps									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.3 (3)	1.0 (1)		1.0 (1)	1.6 (8)	1.3 (4)	1.0 (1)	1.8 (4)	1.5 (2)
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef	1.5 (2)			1.0 (1)	1.4 (5)	1.5 (2)		2.0 (1)	1.5 (2)
Dairy						1.0 (1)	1.0 (1)	2.0 (1)	
Sheep	1.0 (1)	1.0 (1)			2.0 (3)	1.0 (1)		1.5 (2)	
Mpumalanga									
Bethal, Bethal Dierekliniek									
Sheep: 1									
Ermelo, Mōregloed Veterinêre Spreekkamer									
Beef: 1									
Volkswest, Cape Cross Volkswest Dierehospitaal									
Beef: 2									
Gauteng									
Bronkhorstspuit, Kerkstraat Dierekliniek									
Sheep: 1									
North West									
Brits, Brits Dierekliniek									
Beef: 1									
Free State									
Clocolan, Clocolan Dierekliniek									
Beef: 1									
Hoopstad, Hoopstad Dierekliniek									
Sheep: 3									
Kroonstad, Kroonstad Dierehospitaal									
Beef: 1, Sheep: 1									
Reitz, Riemland Dierehospitaal									
Beef: 1									
Villiers, Wilgepoort Dierekliniek Vennootskap									
Beef: 2, Sheep: 2									
Winburg, Winburg Dierekliniek									
Beef: 2									
Kwazulu-Natal									
Bergville, Bergville Veterinary Clinic									
Beef: 2									
Camperdown, Camperdown Vet Clinic									
Dairy: 1									
Eshowe, Eshowe Veterinary Hospital									
Sheep: 1									
Estcourt, Estcourt Vet Clinic									
Beef: 1									
Eastern Cape									
Alexandria, Alexandria Platteland Spreekkamer									

Dairy: 1

Western Cape

Caledon, Caledon Dierekliniek

Sheep: 1

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 2

Worcester, Durban Straat Dierekliniek Worcester

Sheep: 2

Northern Cape

Kimberley, Kimberley Dierekliniek

Beef: 2

Postmasburg, Postmasburg Dierekliniek

Beef: 1

Vaginal (Cervical) prolaps

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.3 (3)	1.0 (3)	1.0 (1)	1.5 (2)	1.7 (10)	1.3 (4)	1.0 (1)	1.3 (6)	

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

Beef	2.0 (1)	1.0 (2)	1.0 (1)	1.5 (2)	1.6 (5)	1.3 (3)		1.0 (1)	
Dairy								1.0 (1)	
Sheep	1.0 (2)				1.8 (5)	1.0 (1)	1.0 (1)	1.5 (4)	
Goat		1.0 (1)							

Mpumalanga

Bethal, Bethal Dierekliniek

Sheep: 1

Grootvlei, Grootvlei Dierekliniek

Sheep: 1

Volkswest, Cape Cross Volkswest Dierehospitaal

Beef: 2

Gauteng

Bronkhorstspuit, Kerkstraat Dierekliniek

Beef: 1

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 1, Goat: 1

Limpopo

Mokopane, Dr Henk Visser

Beef: 1

North West

Leeudoringstad, Leeudoringstad Dierekliniek

Beef: 2

Schweizer-Reneke, Buffeldoorn Dierekliniek SR

Beef: 1

Free State

Clocolan, Clocolan Dierekliniek

Sheep: 2

Hoopstad, Hoopstad Dierekliniek

Beef: 2, Sheep: 3

Memel, Memel Veterinary Clinic

Beef: 1, Sheep: 1

Reitz, Riemland Dierehospitaal

Beef: 2

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 1, Sheep: 2

Wesselsbron, Wesselsbron Dierekliniek

Sheep: 1

Winburg, Winburg Dierekliniek

Beef: 2

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Dundee, Endumeni Herd health

Sheep: 1

Mtubatuba, Mtubatuba Animal Clinic

Beef: 1

Pongola, Pongola Animal Clinic

Beef: 1

Same cow as previous season

Eastern Cape

Graaff-Reinet, Camdeboo Veterinary Clinic

Sheep: 1

Western Cape

Caledon, Overberg Veterinary Hospital

Sheep: 2

George, George Animal Hospital

Sheep: 1

Malmesbury, Malmesbury Dierehospitaal

Beef: 1

Stellenbosch, Stellenbosch Animal Hospital

Dairy: 1, Sheep: 1

Worcester, Durban Straat Dierekliniek Worcester

Sheep: 2

Climatical Cause

Cold exposure

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

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

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

Lydenburg, Lydenburg Dieresprekkamer

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

Sheep 2.0 (1)

Western Cape

Riversdale, Riversdal Dierekliniek

Sheep: 2

Non specific diseases

Cause of death not established

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

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

Sheep 3.0 (1)

Free State

Bultfontein, Greylingrust Dieresprekkamer

Sheep: 3

Preditors

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

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

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

Gauteng

Hammanskraal, Themba Animal Clinic

Goat: 1

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Sheep: 1

Dog bite wounds

North West

Schweizer-Reneke, Buffeldoorn Dierekliniek SR

Sheep: 1

Honde

Free State

Ficksburg, Oosvrystaat Diere Produkte

Beef: 1

Too many jackals, attack animals that have difficulty during calving. Attack bulls from behind.

Philippolis, Rowelsfontein veearts Spreekkamer

Sheep: 2

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2, Sheep: 3

Eastern Cape

Steynsburg, Steynsburg Dierehospitaal

Sheep: 3, Goat: 3

Sabotage/Theft

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average					2.9 (7)	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					2.8 (4)	2.0 (1)			
Sheep					3.0 (3)				

Free State

Clocolan, Clocolan Dierekliniek

Beef: 3, Sheep: 3

Ficksburg, Oosvrystaat Diere Produkte

Beef: 3, Sheep: 3

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2, Sheep: 3

Winburg, Winburg Dierekliniek

Beef: 3

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Trauma

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

Beef	1.0 (1)	2.0 (1)	1.0 (1)		1.0 (1)				
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Sheep	1.0 (1)								
Goat	1.0 (1)								
Mpumalanga									
Bethal, Bethal Dierekliniek									
Beef: 1, Sheep: 1									
Gauteng									
Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic									
Beef: 2									
Fractures									
Limpopo									
Mokopane, Dr Henk Visser									
Beef: 1									
Free State									
Memel, Memel Veterinary Clinic									
Beef: 1									
Kwazulu-Natal									
Camperdown, Camperdown Vet Clinic									
Goat: 1									
Fractured leg									
Traumatic Reticulo-pericarditis									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average					2.0 (1)	1.0 (1)			
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef					2.0 (1)	1.0 (1)			
Free State									
Villiers, Wilgepoort Dierekliniek Vennootskap									
Beef: 2									
Kwazulu-Natal									
Newcastle, Ncanduvet Newcastle									
Beef: 1									