

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

April 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 (119) submitted reports during April 2019:

Mpumalanga (12)

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

Gauteng (8)

Bapsfontein – Drs. Engelbrecht and Olivier
Bronkhorstspuit – Dr. De Bruin, De Bruin and Labuschagne
Hammanskraal – Dr. Hentie Engelbrecht
Magaliesburg – Dr. Ryan Jeffery
Nigel – Dr. Cindy van der Westhuizen
Onderstepoort Veterinary Academic Hospital – Proff. Annandale, Shakespear, Holm, Pettey and Drs, Fitte, Grobler, Hamman, Koepfel, Leask, Mabu, Marufu, Mokoele, O'Dell, Tshuma and Van der Leek
University of Pretoria – Dr. Emily Mitchell
Vanderbijlpark – Dr. Kobus Kok

Limpopo (9)

Beestekraal – Dr. Alwyn Venter

Bela-Bela (Warmbaths) – Dr. Nele Sabbe

Makhado (Louis Trichardt) – Drs. Harris, Klopper and Jacobs

Modimolle (Nylstroom) – Drs. Huber, Bredell and Barnard

Mokopane (Potgietersrust)- Dr. Henk Visser

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

Tzaneen – ZZ2 Farm practice – Dr. Danie Odendaal

Vaalwater – Dr. Hampie van Staden

Vaalwater – Dr. Annemieke Müller

North West (11)

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. Marten Ferreira

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

Stella - Dr. Magdaleen Vosser

Ventersdorp/ Koster –Drs. Benadé and Van der Merwe

Vryburg – Dr. Jurie Kritzinger

Free State (21)

Bloemfontein – Dr. Stephan Wessels

Bultfontein – Dr. Santjie Pieterse

Clocolan – Drs. Wasserman and Basson

Dewetsdorp – Dr. Marike Badenhorst

Excelsior/Ladybrand – Dr. Dedré Nel

Ficksburg – Drs. Kotzé

Harrismith – Drs. Slabber and Reynolds

Hoopstad – Dr. Kobus Pretorius

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

Memel – Drs. Nixon and Nixon

Parys – Drs. Wessels and Wessels

Philippolis – Dr. Stephan Vermeulen

Reitz - Dr. Murray Smith

Senekal – Dr. Jan Blignaut

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
Estcourt – Drs. Turner, Tedder, Taylor, Tratschler, Van Rooyen and Alwar
Mooi River – Drs. Still, Edmunds and Fowler
Mtubatuba – Dr. Trevor Viljoen
Newcastle – Dr. Barry Rafferty
Newcastle – State Veterinary Office
Pietermaritzburg – Drs. Kretzmann, Watkins and De Freitas
Pongola – Dr. Heinz Kohrs
Underberg - Drs. Collins, King and Delaney

Eastern Cape (13)

Alexandria - Dr. Johan Olivier
Alexandria – Dr. Charlene Boy
Aliwal North – Drs. Troskie and Strauss
Bathurst – Dr. Jane Pistorius
Graaff- Reinet - Dr. Roland Larson
Graaff-Reinet – Drs. Hobson, Strydom and Hennesy
Humansdorp – Drs. Van Niekerk, Jansen Van Vuuren and Davis
Jeffreys Bay – Drs. Lategan, Hoek and McFarlane
Queenstown – Drs. Du Preez, Klopper, Jansen van Vuuren, De Klerk and Catherine
Somerset East – Drs. Farell, Farrel, Louw and Ross
Stutterheim – Dr. Dave Waterman
Uitenhage – Drs. Mulder and Krüger
Witelsbos – Dr. Elmien Kotze

Western Cape (19)

Beaufort West - Dr. Jaco Pienaar
Beaufort West – Dr. Bennie Grobler
Caledon – Drs. Louw and Viljoen
Ceres – Drs. Pieterse, Wium, De Villiers and Scheepers

Darling – Drs. Van der Merwe, Adam and Senekal
George – Drs. Strydom, Truter and Pettifer
Heidelberg – Dr. Albert van Zyl
Malmesbury – Dr. Otto Kriek
Malmesbury – Dr. Andries Lesch
Malmesbury – Dr. Markus Fourie
Malmesbury – Drs. Heyns and Zolner
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
Vredenburg – Dr. Izak Rust

Northern Cape (6)

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

Feedlots (2)

Dr. Andy Hentzen
Drs. Morris and Du Preez

Laboratory reports (5)

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

Summary

The most important news regarding the foot and mouth disease spill over in the Vembe district of the Limpopo province is the following:



agriculture,
forestry & fisheries

Department:
Agriculture, Forestry and Fisheries
REPUBLIC OF SOUTH AFRICA



Media statement

28 May 2019

JOINT STATEMENT OF THE DEPARTMENT OF AGRICULTURE, FORESTRY AND FISHERIES AND THE LIVESTOCK INDUSTRY

THE BATTLE IS OVER, BUT THE WAR CONTINUES

South Africa experienced a FMD outbreak in the high surveillance area of the FMD free zone in Limpopo on 7 January 2019 and, as a result, lost its World Organization for Animal Health (OIE) recognised FMD free zone without vaccination status.

End of outbreak

The Department of Agriculture, Forestry and Fisheries (DAFF) has declared the end of the outbreak, as there has not been any new cases of FMD detected in the declared disease management area since February, and more than three incubation periods has lapsed with no new cases being observed. Intensive surveillance has demonstrated that the virus is no longer circulating. However, control measures remain in place in the area. The farming community and public are urged to remain vigilant.

Ministerial affirmation visit to Vhembe district

During April, the Minister of Agriculture, Forestry and Fisheries, Mr Senzeni Zokwana let a high profile delegation to the affected communities in Limpopo to express their heartfelt appreciation to the farmers and all other parties that worked with the DAFF to contain the outbreak and resolve the situation.

Containment zone application

The DAFF successfully prepared and submitted a dossier to the OIE applying for a Containment Zone. This application does not form part of the normal OIE processes for zoning and thus will not be considered by a formal sitting of the OIE Scientific Commission but will rather be considered through an electronic round robin process. The DAFF is hopeful for a positive outcome of its application in the near future.

China lifts ban on wool

The Department has successfully negotiated market access for safe commodities to most of the trading countries. The most recent success was China lifting their ban on wool imports from South Africa. Negotiations are still under way for beef exports to China, and the DAFF is in the process of confirming dates for the next inspection visit by the Chinese veterinary authority.

We should not rest but remain vigilant and continuously seek to improve biosecurity procedures and measures to protect our animals and our people against the spreading of disease.

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Issued by the Department of Agriculture, Forestry and Fisheries

An outbreak of Anthrax in Lesotho has been reported.

Please read and distribute the pamphlet on Anthrax which is available on the DAFF website:

<https://www.nda.agric.za/vetweb/Pamphlets&Information/Rabies/anthrax.pdf>

Antibiotic resistance

A danger facing us all in the world is antibiotic resistance.

A world-first study has uncovered a “mammoth” problem lurking in our rivers that could be contributing to a rising rate of antibiotic resistance, which leading agencies warn will result in millions of human deaths annually.

<https://thenewdaily.com.au/life/science/2019/05/28/rivers-antibiotics-resistance-problem/>

African Swine Fever

Please take note of the serious outbreak of swine fever

http://www.fao.org/ag/againfo/programmes/en/empres/ASF/Situation_update.html

Important lessons can be learnt about the control of the disease

FAO's recommendations

Countries of the region

Animal disease containment in its broadest sense should be prioritized within the highest levels of governments.

Preparedness (e.g. contingency planning, standard operating procedures— SOPs, secured financial support) for improved early warning, detection and notification, early reaction, and coordination needs to be in place and reviewed periodically in relation to changing disease situation.

Application of strict biosecurity measures specific to the different swine producing sectors including frequent cleaning and disinfection of farms, transport vehicles, and improved husbandry practices and production systems.

Strengthening surveillance and monitoring of transport of live pigs as well as pork products.

Good communication and coordination with swine producing commercial sector and swine farmers are essential to strengthen cooperation in ASF prevention, detection, and control. Awareness and training of all stakeholders, from veterinarians to farmers, intermediaries and other value chain actors is needed.

Communication to public is to be in place to avoid the rumours leading to food safety perceptions and consumption disruption.

Farm registries, animal identification and censuses are essential to enable animal health interventions.

Prohibition of swill feeding where feasible; highly regulated where not.

Strengthening proper disposal of food waste (food services, airports, seaports), which may contain uncooked pork products.

Outbreak control strategies must be in place. The strategies need to be developed in consultation with the private sector (pig producers and allied industries, such as transport, feed operators) for improved disease management options and compliance.

National Considerations, Inter-Regional Collaboration and Solidarity

Strengthening intraregional networks on disease management and diagnostic protocols.

Understanding pig and pork value chains within the country and with neighbouring countries is essential for improved risk management.

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

Internal parasites:

Late summer rains were recorded in many parts of South Africa. Moisture and temperature above 15 degree Celsius play a major role in the hatching of roundworm eggs and the development into the third

infective stage larvae on the grazing. Reports of parasitism were received from all provinces and especially small stock farmers should be aware of clinical signs such as anaemia, bottle jaw in the case of wireworm. Be aware that animals developing diarrhoea and losing weight may be due to bankrupt or nodular worm infestations. Resistance to anthelmintics is rife and farmers should visit their veterinarian to establish 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 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 occurring in your calves or lambs.

External parasites

Due to warm weather a high prevalence rate in tick, fly, mosquito and midge numbers were reported 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. Tick toxicosis (sweating sickness) caused by the bont-legged tick was reported from four provinces. Consult your veterinarian on 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. In 2018 a Rift Valley fever outbreak was reported in May from Jacobsdal and fortunately up to now no cases occurred in 2019.

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. An outbreak of trichomonosis was reported where a positive trichomonosis bull from a bordering farm jumped a fence and had been in the cow herd for 3 hours. Calving percentage dropped dramatically!

Bacterial diseases

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

Viral diseases

Snotsiekte outbreaks occurred in 7 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, Orf and Warts. Ringworm was reported from 6 provinces.

Toxicities that were reported are: cardiac glycoside, gousiekte, ink berry, tulip, *Cynanchum*, facial eczema, *Lantana*, prussic acid, geeldikkop, vermeersiekte, krimpsiekte, Kikuyu, photosensitivity, mycotoxicosis, lupins, water contamination, nitrate, urea, snake bite, blue green algae and copper.

Nutritional deficiencies

Late rains fell in many areas but other parts of the country are still struggling with severe drought conditions. Sufficient roughage is a severe constraint.

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

Multifactorial conditions

A few conditions that were reported should be highlighted: abortions, stillbirths, abscesses, urolithiasis, blindness, bloat, blue udder, diarrhoea, epididymitis, eye infections, joint ill, lameness, pneumonia, mastitis, navel ill, 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 prolapse, 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

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

Wetlike Aspekte van Brusellose Beheer

Inleiding

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

Vee Eienaars moet sekere mense inlig oor siektes

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

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

al sy bure;

alle voornemende kopers;

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

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

Voorkomende maatreëls wat wetlik vereis word

Tabel 2 van die 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. Opvolginetings 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 beamppte 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 Beesbrucelloseskema (R.2483 of 9 Dec 1988) word tans afgedwing. Daar is tans ook 'n Interim handleiding vir brucellosebeheer beskikbaar, wat deur die Departement Landbou, Bosbou en Visserye opgestel is. Aangesien die Beesbrucellose beheerbeleid tans onder hersiening is, sal verdere besonderhede nie hier bespreek word nie.

Samevatting

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

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

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

[Vra vir Faffa](#)

Click on: **Indeks van antwoorde** where more than 4 000 answers can be sourced on animal health.

Click on Beeste

Click on Siektes

Click on Brusellose

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 April 2019

119 Reports from veterinary practices and laboratories were received (Mpumalanga (MP) 12; Gauteng (G) 8; Limpopo (L) 9; Northwest (NW) 11; Free State (FS) 21; KwaZulu-Natal (KZN) 13; Eastern Cape (EC) 13; Western Cape (WC) 19; Northern Cape (NC) 6; Feedlots (FL) 2 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!

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

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

Quarantine

Immunization programmes

Speak to your veterinarian

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

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

Internal parasites

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

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

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

From previous year's reports can be forecasted that wireworm will be a huge problem until the first frost is recorded. Be prepared!!



Holistic internal
parasite management

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

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

www.wormx.info

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

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

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

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

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

Numerous mortalities were reported!

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

Anaplasmosis outbreaks were reported in 8 provinces. Biting flies are probably the main spreader of this disease!

The following tick toxicosis was reported by practices in the provinces:

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

This disease is caused by the toxin of the bont legged-tick.

Insect transmittable diseases

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

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

As soon as insect populations increase with wet weather conditions, **non-vaccinated** animals with a lack of immunity to insect transmittable diseases, will be the target of these diseases. Analysis of blood samples taken by an international research group in the Free State showed that antibody levels

against Rift Valley Fever were very low although they were vaccinated. Poor cold chain management of vaccine? This is of great concern!

Out of experience from previous years the prevalence of insect transmitted diseases will increase in months to come until the first frost in May. The rains came late this year. When travelling through many parts of the country it was noticed on the wind screen that there is an increase in insect numbers!

In many areas there are standing water which is ideal breeding sites for insects!

Have you vaccinated your animals vaccinated against Rift Valley Fever?

Out of experience I can tell you that when outbreaks of diseases occur, vaccines will be difficult to acquire as many people will be ordering vaccines all at once. Do not give the live vaccine when an outbreak occurs! The last outbreak of RVF occurred in May 2018! Still a month to go. Lots of rain fell recently! Holding thumbs!

Venerial diseases

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

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

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

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

Listeriosis									
<i>Pseudomonas</i>					x				
<i>Pasteurella multocida</i>					x				x
<i>Fusibacterium necrophorum</i>	x				x			x	
Septicaemia						x			x
<i>E. coli</i>	x	x		x	x	x	x	x	x
<i>Klebsiella</i>				x					
<i>Coxiella</i>					x				
Enzootic abortion		x			x	x			
Lumpy wool				x					
Bovine dermatophilosis (Senkobo disease)									
Uterine gangrene					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.

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

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

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

Discuss vaccination programmes and biosecurity measures with your veterinarian.

Fungal diseases

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

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

Protozoal diseases

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

Toxicities

The following toxicities were reported by practices in the provinces:

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

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.

For further information on treatment of tulp and other toxicities visit:

www.landbou.com

Vra vir Faffa

Klik op Indeks van antwoorde

Klik op Beeste of Skape

Klik op Vergiftigings

Klik op die Opskrifte

Every month there are reports of urea poisoning. Be aware when feeding this product that the correct concentration is used and that the lick does not get wet!

A few cases of Lantana-poisoning were reported.

Research are being done to control Lantana:

We would like to investigate involvement of your readers and yourself in the development of a National Programme for Management of Lantana similar to the attached National Programme for Management of Parthenium. Our focus would be on the biological control of the species, however, farmers, landowners and communities would be interested in an integrated approach to the management of the

species. Please do bear in mind that the rust-fungus will unfortunately not be a 'silver-bullet' as it is likely to impact some subspecies more than others and work better in some micro-climates than others..

Please can we consider how your readers would be able to contribute to the development of a National Programme? One element would be accurate mapping of the distribution of Lantana. If readers could be encouraged to report locations of Lantana then a more comprehensive map of its distribution would be feasible (we need to make sure that this is done in a co-ordinated fashion and using technology that allows for accuracy and ease of data collection (smart phone application to geographically referenced database – which would need to be set up and managed).

Encouraging readers to give input into a National Programme would result in greater support for its implementation. We would need to make sure that this is not too tedious a process.

Encouraging readers to be aware of the biological control agents that are out there already would also be useful. Again this could be reported using photographs and submitting these to a central database.

It would also be good if we could have landowners who would be willing to have 'biological control reserves' on their property. This would mean setting aside land that is infested by Lantana and ensuring that it is not cleared for any reason. The biological control agents would then be allowed to multiply in this area under the 'protection' of the landowner.

I write on behalf of Biological Control researchers at the Agricultural Research Council – Plant Protection Research Institute and at the Centre for Biological Control at Rhodes University.

<http://www.ru.ac.za/centreforbiologicalcontrol/>

Philip Ivey [<mailto:P.Ivey@ru.ac.za>]

Nutritional deficiencies

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

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

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

Drought conditions are still present in many areas!

Winter is 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 daaglik 'n minimum hoeveelheid verteerbare energie nodig om te oorleef (onderhoud) en addisionele energie om te kan

produseer – addisionele voer moet dus verskaf word of die getal diere moet verminder word om met beskikbare voer hierdie energie te kan verskaf.

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

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

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

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

'n Veiliger keuse om 'n voorraad voer vir sporadiese droogtes op te berg en wat nie 'n brandgevaar inhou nie, is kuilvoer in een of ander vorm – om droogtevoer vir 100 GVE'e vir 100 dae in die vorm van mieliekuilvoer op te berg, sal ± 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						x		x	

Zinc						X			
Selenium	X		X		X	X		X	X
Magnesium		X					X		
Manganese								X	
Vitamin A				X	X				
Vitamin B 1								X	

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

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

Beware of fluoride poisoning as borehole water levels drop.

Supplement animals with vitamin A during winter and drought conditions.

Multifactorial diseases and other conditions

The following conditions were reported by practices in the provinces

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

Epididymitis					X		X		
Eye cancer					X	X	X	X	
Eye infections	X	X		X	X	X	X	X	
Joint ill		X		X	X	X	X	X	
Cystitis									
Lameness/foot problems	X	X	X	X	X	X	X	X	
Lung infection	X	X	X	X	X	X	X	X	X
Mastitis	X		X	X	X	X	X	X	
Navel ill	X				X	X		X	
Umbilical hernia									
Red gut (sheep, torsion of gut)								X	X
Rectal prolaps									
Rumen stasis									
Swelsiekte									
Traumatic reticulo-pericarditis				X				X	
Trauma	X							X	
Teeth wear									
Plastic bags (ingestion)									
Downer	X	X	X	X	X	X	X	X	X
Anaphylactic shock									
Vestibular syndrome (middle ear infection)						X			
Hernia									
Deformaties					X				

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

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

Pneumonia and lameness (foot conditions) are wide spread.

Metabolic diseases

The following diseases were reported by practices in the provinces:

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

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

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

Reproductive diseases

Reproductive diseases	MP	G	L	NW	FS	KZN	EC	WC	NC
Dystocia (difficult births)	x	x	x	x	x	x	x	x	x
Endometritis					x			x	
Hydrops									
Metritis	x			x	x	x	x	x	
Poor conception	x		x	x	x	x	x	x	
Retained afterbirth	x				x	x	x	x	
Sheath prolaps					x	x			
Uterine prolaps	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	
Frozen to death					x				
Heat stress									
Lightning				x	x	x	x		
Electrocution									
Drought							x		x

Other conditions

	MP	G	L	NW	FS	KZN	EC	WC	NC
Drug residues (milk, meat, liver, kidney etc)									
Preditors		x			x				
Theft		x			x		x		
Trauma (fractures etc)	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

Karino – Dr. Silke Pfitzer

Nigel – Cindy van der Westhuizen

Beestekraal – Dr. Alwyn Venter

Vanderbijlpark – Dr. Kobus Kok

Vaalwater – Dr. Annemieke Müller

Ostriches

Western Cape

Oudtshoorn

Red gut	Intermittant hot weather stimulates high food intake – overgrowth of clostridia.
Sinusitis, rhinitis	Seasonal change, dust, deficiencies? Survival of infectious material – slight increase in clinical signs
Vitamin E and selenium deficiency	Interesting this time of the year, usually during peak time of antioxidant requirement – summer
Protein and energy deficiency	Multifactorial as above, climatic behavioural (less feeding time), energy high demand, breakdown of proteins
Climate – cold and wet	Leads to increase requirement of nutrients – energy, poor intake as a result of weather, inadequate metabolization gives ascites/ weakness

Equines

Limpopo

Bela-Bela

Poor condition – 1 Nyala, little energy, treated, improved

Swollen joints – 4 month old black wildebeest, wound on brisket, died

Makhado

African Horse sickness - 1

Vaalwater

African horse sickness – 1, survived death

North West

Koster/Ventersdorp

E. coli – 3

Schweizer- Reneke

Red-legged tick - 3

Potchefstroom

African Horse Sickness -1

Northern Cape

Kathu

Colic - 1

Game

Mpumalanga

Malalane

Tick damage – *Amblyomma hebraeum* (bont ticks), Sable calf, tail damage

Lydenburg

Wireworm -2

Eye problems - 2

North West

Klerksdorp

Intestinal roundworms – 2

Coccidiosis – 2

Eastern Cape

Somerset East

Tulip toxicity - Springbuck

Swine

Gauteng

Pretoria

Lameness – 1

Urolithiasis - 1

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

(henton@vetdx.co.za)

Respiratory tract disease in cattle yielded *Pasteurella multocida* [14], *Mannheimia haemolytica* [12], *Trueperella pyogenes* [6], *Histophilus somni* [4], *Mycoplasma* [2] and *Mannheimia* species [2]. *Mannheimia haemolytica* was also responsible for pneumonia in goats and sheep, and Blue Udder in sheep. *Trueperella pyogenes* was also isolated from bovine mastitis, severe ocular abscessation in cattle, abscesses in sheep and lung abscesses in goats.

Bovine mastitis yielded *E. coli* [1], *Staphylococcus aureus*, *Staphylococcus pseudintermedius* and *Corynebacterium amycolatum*.

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

Paratyphoid in calves was caused by *Salmonella* Dublin [2] and *Salmonella* Typhimurium. All three cases presented as a primary pneumonia, and not as enteritis.

Other conditions in cattle were gangrenous myositis, due to *Clostridium chauvoei* [2], *Clostridium sordellii* and *Clostridium novyi*.

Lamb and kid enteritis was also associated with *E. coli* [23], and was also in many cases, found together with *Cryptosporidium*. Many of the *E. coli* isolates were also ESBL positive.

Other abscesses in sheep and goats were due to *Corynebacterium pseudotuberculosis*, *S. pseudintermedius* and *S. aureus*.

There were 3 cases of porcine enteritis due to *E. coli*.

Gangrenous myositis was also found in wildlife; *C. novyi* in a rhino, and *C. sordellii* in a duiker.

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

Condition	Comments and Specie
Intestinal round worms	O 3
Tapeworms	O 3
Liver fluke worms	B 3, O 2
Conical fluke	O 3
Parafilaria	B 3
Cysticercosis	B 3
Blue ticks	B 3
Bont ticks	B 3
Brown ear ticks	B 3
Bont – legged ticks	B 3
Red-legged ticks	B,O 3
Nuisance flies	B,O 3
Blowflies	O 2
Screw-worm	B 1
Midges	B 3
Asiatic red water	B 3
Anaplasmosis	B 3
Heartwater	B 3
Lumpy skin disease	B 3
Three Day Stiff Sickness	B 3
Blue tongue	O 3
Blackleg	B 3
Swelled head	B 3

Red gut	B 3
Blood gut	O 3
Botulism	B 3
Salmonellosis	B 1
Pulpy kidney	O 3
<i>E. coli</i>	B ,O 3
Ringworm	B 3
Coccidiocis	B, O 3
Chlamydiosis	O 3
Rabies	B 1
EBL	B 1
IBR	B 3
Warts	B 3
Cryptosporidiosis	B,O 3
Energy excess	B 3, O 2
Phosphate deficiency	B 3
Vitamin A deficiency	B ,O 3
Abortion	B, O 3
Metritis	B 1
Navell ill	B,O 3
Blue udder	O 3
Joint ill	B,O 3
Lameness	B,O,C 3
Lungs	B,O 3

Diarrhoea	B,O 3
Eyes	B,O 3
Abscesses	B,O 3
Trauma	B,O 3
Deaths reported by farmers: Blue tongue, Three day stiff sickness, red water, anaplasmosis, blackleg, pneumonia, pulpy kidney, <i>Chlamydomphyla</i> abortions	

**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 April 2019 from Dr R D Last (BVSc; M.Med.Vet(Path);

MRCVS)

Specialist Veterinary Pathologist, Vetdiagnostix - Veterinary Pathology Services

LIVESTOCK DISEASE SURVEILANCE

LIVESTOCK SPECIES	DISEASE AGENT	NO. CASES	LOCATION
Bovine Calves	Pasteurella multocida	1	Piet Retief, Mpumalanga
Bovine calf	Septicaemic salmonellosis	1	Swellendam, Western Cape
Bovine Calf	Cryptosporidia	1	Humansdorp, E.Cape
Bovine Calf	Cryptosporidia	1	Humansdorp, E.Cape
Bovine Bull	Heart pluck Clostridia	1	Howick, KZN
Bovine Various	Kikuyu poisoning	1	Piet Retief, Mpumalanga
Bovine Cow	Cardiotoxicity (cardiac glycoside)	1	Potchefstroom, North West
Bovine Cow	Nephrotoxicity (oak poisoning)	1	Potchefstroom, North West

WILDLIFE DISEASE SURVEILANCE			
WILDLIFE SPECIES	DISEASE AGENT	NO. CASES	LOCATION
Avian Flamingo	Aspergillosis	1	Durban, KZN
African Rock Python	Ascarid gastritis + lungworm	1	Durban, KZN
Bullfrog	Trematode necrotic enteritis	1	Durban, KZN
White Rhino	Hypoxic hepatic necrosis	1	Western Cape
Impala, Ewe	Rumen acidosis and Pneumostrongylus	1	Piet Retief, Mpumalanga

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

Condition	Comments and Specie
Heartwater tick	E 1
Red-legged tick	E 1
Theileriosis	G 1
Blue tongue	O 1
<i>E. coli</i>	B 1
Johne's	O 1
Diarrhoea (bacterial enteritis)	B, O 1
Septicaemia	O 1

Coccidiosis	O 1
BMC (Snotsiekte)	B 1
Jaagsiekte	O 1
Abortion	B,O 1
Lungs	O 1



Section of Pathology
Department of Paraclinical Sciences
Faculty of Veterinary Science

26th April 2019

DAFF

Import/Export Policy Unit Subdirectorate

Monthly report: Faculty of Veterinary Science cases

Wildlife cases sent to referring veterinarians between 29th March and 26th April 2019

Cases from State vet Skukuza or Orpen

Cases imported with master permit (none)

Cases from State vet Skukuza or Orpen

Cases imported with master permit (none)

PMDate	Species	Final	Histo No
27-Mar-19	Lion	Ovarian atrophy (deslorelin)	S1041-19
27-Mar-19	Cheetah	Grade 3 gastritis	S1042-19
01-Apr-19	Lion	Colonic impaction, caecal rupture	S1090-19
01-Apr-19	Cheetah	Complications of gastritis	S1096-19
03-Apr-19	Cheetah	Amyloidosis, chronic renal disease, gastritis	S1126-19

Kind regards,

Prof. Emily Mitchell

DISEASE DISTRIBUTION REPORT AS REPORTED BY VETERINARIANS

Month:

Apr 2019

Table of Contents

Internal Parasites	Roundworms in general , Resistant Round Worms , Wireworm , Brown stomach-worm , Nodular worm , Eye worm (<i>Thelazia rhodesii</i>) , Tape Worms , Parafilaria , Liver fluke , Conical Flukes , Cysticercosis
External Parasites	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 , Nuisance Flies , Blowflies , Screw-worm , Nasal bot larvae , Midges , Mosquitoes , Other , Itch mite
Tick-borne Diseases	African red water , Asiatic red water , Anaplasmosis , Heartwater , Sweating Sickness
Insect Transmittable Diseases	Lumpy skin disease , Three-day-stiffsickness , Blue tongue , Nagana
Venereal Diseases	Actinobacillus seminis , Trichomonosis , Vibriosis , Pizzle disease
Bacterial Disease (other)	Blackquarter , Botulism , Pulpy Kidney , Lamb dysentery , Swelled head disease , Redgut (cattle) , Blood gut (Sheep) , Tetanus , Brucella abortus , Brucella ovis , Johnes` disease , Pseudomonas , Septicaemia , E.coli , Enzootic Abortion , Dermatophilosis (Lumpy Wool) , Intrauterine Gangrene , Fusibacterium necrophorum , Other
Protozoal diseases (other)	Coccidiosis , Cryptosporidium
Fungal diseases	Ringworm
Viral Diseases (other)	BMC , BVD (Bovine viral diarrhoea) , IBR (Infectious bovine rhinotracheitis) , BRSV (Bovine respiratory syncytial virus) , PI3 , Enzootic Bovine Leucosis (EBL) , Jaagsiekte , Orf , Warts , Rota virus
Poisonings (Plant) and Fungal	Cardiac glycoside poisoning , Cestrum , Cynanchum poisoning , Facial eczema , Geeldikkop/Dikoor , Gousiekte , Kikuyu poisoning , Lantana , Lupine Poisoning , Nenta poisoning (Krimpsiekte) , Nitrate poisoning , Prussic acid poisoning , Tulip Poisoning , Vermeersiekte (<i>Gaigeria</i> spp.) , Mycotoxycosis , Other
Poisonings	Water contamination , Urea Poisoning , Snake Bite , Blue-green algae , Copper Poisoning , Chemical products
Macro Nutritional Problems	Energy deficiency , Protein deficiency , Phosphate deficiency , Calcium deficiency

<u>Micro Nutritional Problems</u>	Copper deficiency , Zinc 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 , Red gut (Sheep) , Trauma , Downer , Traumatic Reticulo-pericarditis , Other , Vestibular syndrome (Middle ear infection)
<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 , Preditors , Sabotation - Theft , Trauma

Internal Parasites

Roundworms in general

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.4 (5)		2.0 (2)	2.3 (4)	2.7 (10)	2.0 (4)	1.8 (4)	2.3 (3)	

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

Beef	2.0 (1)					2.0 (1)			
Sheep	2.7 (3)		2.0 (1)	2.0 (3)	2.7 (10)	2.0 (1)	1.5 (2)	2.3 (3)	
Goat	2.0 (1)		2.0 (1)	3.0 (1)		2.0 (2)	2.0 (2)		

Mpumalanga

Hendrina, Mooiplaas Veterinêre Dienste

Sheep: 2

Middelburg , Middelburg Dierehospitaal

Sheep: 3

Nelspruit, Nelspruit Animal Hospital

Goat: 2

Standerton, Econovet

Beef: 2, Sheep: 3

Limpopo

Polokwane, Pietersburg Veterinary Clinic

Sheep: 2, Goat: 2

North West

Christiana, Christiana Dierehospitaal

Sheep: 2

Klerksdorp, Klerksdorp Dierehospitaal

Sheep: 1

Potchefstroom, Morvet

Sheep: 3, Goat: 3

Free State**Bloemfontein, Dr Stephan Wessels**

Sheep: 3

Bultfontein, Greylingrust Dieresprekkamer

Sheep: 3

Clocolan, Clocolan Dierekliniek

Sheep: 2

Harrismith, Harrismith Dierehospitaal

Sheep: 3

Hoopstad, Hoopstad Dierekliniek

Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Sheep: 3

Ladybrand, Ladybrand Dierekliniek

Sheep: 3

Viljoenskroon, Viljoenskroon Dierekliniek

Sheep: 3

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 3

Wesselsbron, Wesselsbron Dierekliniek

Sheep: 1

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

Beef: 2, Goat: 2

Underberg, Underberg Veterinary Surgery

Sheep: 2, Goat: 2

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

Sheep: 1, Goat: 2

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Sheep: 2, Goat: 2

Western Cape**Caledon, Caledon Dierekliniek**

Sheep: 2

George, George Animal Hospital

Sheep: 3

Heidelberg (WC), Heidelberg Dierekliniek

Sheep: 2

Resistant Round Worms

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.5 (2)	2.0 (2)		1.0 (1)	1.8 (5)		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 (1)	2.0 (2)		1.0 (1)	1.8 (5)		2.0 (1)	2.5 (2)
Goat	1.0 (1)						2.0 (1)	

Mpumalanga

Hendrina, Mooiplaas Veterinêre Dienste

Sheep: 2, Goat: 1

Gauteng

Bapsfontein, Bapsfontein Dierehospitaal

Sheep: 2

Bronkhorstspuit, Kerkstraat Dierekliniek

Sheep: 2

North West

Christiana, Christiana Dierehospitaal

Sheep: 1

Free State

Bloemfontein, Dr Stephan Wessels

Sheep: 2

Hoopstad, Hoopstad Dierekliniek

Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Sheep: 1

Ladybrand, Ladybrand Dierekliniek

Sheep: 2

Reitz, Riemland Dierehospitaal

Sheep: 1

Eastern Cape

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Sheep: 2, Goat: 2

Western Cape

Caledon, Overberg Veterinary Hospital

Sheep: 2

George, George Animal Hospital

Sheep: 3

Wireworm ^

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.7 (7)	2.8 (6)	1.8 (4)	1.0 (2)	2.3 (13)	2.0 (3)	1.7 (3)	2.7 (3)	2.0 (1)

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

Sheep	2.7 (6)	2.8 (4)	1.7 (3)	1.0 (2)	2.3 (13)	2.0 (1)	2.0 (2)	2.7 (3)	2.0 (1)
Goat	3.0 (1)	3.0 (2)	2.0 (1)			2.0 (2)	1.0 (1)		

Mpumalanga

Bethal, Bethal Dierekliniek

Sheep: 2

Hendrina, Mooiplaas Veterinêre Dienste

Sheep: 3

Lydenburg, Longtom Dierekliniek

Sheep: 3, Goat: 3

Malelane, Malelane Dierekliniek

Sheep: 2

Small Damara flock

Piet Retief, Pets Vet Hospital

Sheep: 3

Standerton, Econovet

Sheep: 3

Gauteng**Bapsfontein, Bapsfontein Dierehospitaal**

Sheep: 2

Bronkhorstspuit, Kerkstraat Dierekliniek

Sheep: 3, Goat: 3

Hammanskraal, Themba Animal Clinic

Sheep: 3, Goat: 3

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Sheep: 3

24 cases

Limpopo**Makhado, Blouberg Dierekliniek**

Sheep: 2

Mokopane, Dr Henk Visser

Sheep: 1

Polokwane, Pietersburg Veterinary Clinic

Sheep: 2, Goat: 2

North West**Leeudoringstad, Leeudoringstad Dierekliniek**

Sheep: 1

One sheep died

Schweizer-Reneke, Buffeldoorn Dierekliniek SR

Sheep: 1

Free State**Bultfontein, Greylingrust Diersprekkamer**

Sheep: 3

Clocolan, Clocolan Dierekliniek

Sheep: 2

Ficksburg, Oosvrystaat Dier Produkte

Sheep: 3

Harrismith, Harrismith Dierehospitaal

Sheep: 3

Hoopstad, Hoopstad Dierekliniek

Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Sheep: 3

Ladybrand, Ladybrand Dierekliniek

Sheep: 3

Memel, Memel Veterinary Clinic

Sheep: 1

Reitz, Riemland Dierehospitaal

Sheep: 2

Smithfield, Freestate Smithfield SV

Sheep: 1

Bethulie, very high infestation

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 3

Vrede, Saulshoek Dierepraktyk

Sheep: 2

Wesselsbron, Wesselsbron Dierekliniek

Sheep: 1

Kwazulu-Natal

Camperdown, Camperdown Vet Clinic

Goat: 2

Estcourt, Estcourt Vet Clinic

Sheep: 2, Goat: 2

Eastern Cape

Aliwal North, Hertzogbrug Dierekliniek

Sheep: 2

Graaff-Reinet, Camdeboo Veterinary Clinic

Goat: 1

Somerset East, Bosberg Veterinary Clinic

Sheep: 2

Western Cape

Caledon, Overberg Veterinary Hospital

Sheep: 3

George, George Animal Hospital

Sheep: 3

Swellendam, Swellendam Dierehospitaal

Sheep: 2

Northern Cape

Kimberley, Kimberley Dierekliniek

Sheep: 2

Brown stomach-worm

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

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

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

Eastern Cape

Graaff-Reinet, Camdeboo Veterinary Clinic

Goat: 2

Steynsburg, Steynsburg Dierehospitaal

Sheep: 3

Western Cape

Caledon, Overberg Veterinary Hospital

Sheep: 2

Stellenbosch, Stellenbosch Animal Hospital

Sheep: 1

Nodular worm

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

Sheep							2.0 (1)		
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Eastern Cape

Steynsburg, Steynsburg Dierehospitaal

Sheep: 2

Eye worm (*Thelazia rhodesii*)

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

Polokwane, Pietersburg Veterinary Clinic

Beef: 1

Kwazulu-Natal

Pietermaritzburg, Veterinary House Hospital

Beef: 3

Tape Worms

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)	2.0 (1)	2.1 (7)	1.7 (3)	1.7 (3)	2.0 (2)	1.0 (1)
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Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef			1.0 (1)			2.0 (2)			
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Sheep	3.0 (1)			2.0 (1)	2.1 (7)		2.0 (1)	2.0 (2)	
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Goat						1.0 (1)	1.5 (2)		1.0 (1)
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Mpumalanga

Middelburg, Middelburg Dierehospitaal

Sheep: 3

Limpopo

Polokwane, Pietersburg Veterinary Clinic

Beef: 1

North West

Schweizer-Reneke, Buffeldoorn Dierekliniek SR

Sheep: 2

Free State**Bloemfontein, Dr Stephan Wessels**

Sheep: 3

Ficksburg, Oosvrystaat Diere Produkte

Sheep: 3

Harrismith, Harrismith Dierehospitaal

Sheep: 1

Kroonstad, Kroonstad Dierehospitaal

Sheep: 2

Reitz, Riemland Dierehospitaal

Sheep: 2

Viljoenskroon, Viljoenskroon Dierekliniek

Sheep: 2

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 2

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

Goat: 1

Newcastle, KZN Newcastle SV

Beef: 3

Pietermaritzburg, Veterinary House Hospital

Beef: 1

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

Goat: 1

Jeffreys Bay, Cape Cross Veterinary Hospital

Sheep: 2

Somerset East, Bosberg Veterinary Clinic

Goat: 2

Western Cape**George, George Animal Hospital**

Sheep: 3

Stellenbosch, Stellenbosch Animal Hospital

Sheep: 1

Northern Cape**Kimberley, Kimberley Dierekliniek**

Goat: 1

Coenuris cerebralis, Draaisiekte, Turning disease**Parafilaria**

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

2.5 (2)

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

Beef

2.5 (2)

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

Beef: 2

Pietermaritzburg, Veterinary House Hospital

Beef: 3

Liver fluke

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

Mpumalanga**Hendrina, Mooiplaas Veterinêre Dienste**

Beef: 1, Sheep: 1

Lydenburg, Longtom Dierekliniek

Beef: 3, Sheep: 3

Standerton, Econovet

Beef: 3, Sheep: 2

Gauteng**Hammanskraal, Themba Animal Clinic**

Beef: 2

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

Beef: 3

Underberg, Underberg Veterinary Surgery

Beef: 3

Conical Flukes

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

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

Beef	3.0 (1)				1.0 (4)	3.0 (1)			
Dairy						1.0 (1)			

Mpumalanga**Lydenburg, Longtom Dierekliniek**

Beef: 3

Free State**Harrismith, Harrismith Dierehospitaal**

Beef: 1

Memel, Memel Veterinary Clinic

Beef: 1

Vrede, Saulshoek Dierpraktyk

Beef: 1

Wesselsbron, Wesselsbron Direkliniek

Beef: 1

Kwazulu-Natal

Dundee, Endumeni Herd health

Dairy: 1

Pietermaritzburg, Veterinary House Hospital

Beef: 3

Cysticercosis

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

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

Beef			1.0 (1)						
Goat									2.0 (1)

Limpopo

Mokopane, Dr Henk Visser

Beef: 1

Northern Cape

Postmasburg, Postmasburg Direkliniek

Goat: 2

External Parasites

Blue ticks

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.4 (7)	2.0 (1)		1.8 (4)	2.6 (16)	2.7 (9)	2.0 (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	2.4 (7)	2.0 (1)		2.0 (3)	2.7 (12)	2.8 (6)	2.0 (3)	2.5 (2)	
Dairy					2.0 (2)	2.3 (3)	2.0 (1)	2.5 (2)	
Sheep				1.0 (1)	3.0 (2)			2.0 (1)	

Mpumalanga

Bethal, Bethal Direkliniek

Beef: 3

Grootvlei, Grootvlei Direkliniek

Beef: 2

Hendrina, Mooiplaas Veterinêre Dienste

Beef: 3

Lydenburg, Longtom Dierekliniek

Beef: 2

Middelburg , Middelburg Dierehospitaal

Beef: 1

Piet Retief, Pets Vet Hospital

Beef: 3

Standerton, Econovet

Beef: 3

Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 2

North West

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 1, Sheep: 1

Stella, Stella Dierekliniek

Beef: 3

Ventersdorp, Ventersdorp Dierekliniek

Beef: 2

Free State

Bloemfontein, Dr Stephan Wessels

Beef: 3

Ficksburg, Oosvrystaat Diere Produkte

Beef: 3, Dairy: 2, Sheep: 3

Harrismith, Harrismith Dierehospitaal

Beef: 3

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 2, Dairy: 2

Ladybrand, Ladybrand Dierekliniek

Beef: 3

Memel, Memel Veterinary Clinic

Beef: 2

Parys, Parys Dierehospitaal

Beef: 3

Reitz, Riemland Dierehospitaal

Beef: 2

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 3

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2

Vrede, Saulshoek Dierepraktyk

Beef: 3

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 3

Dundee, Endumeni Herd health

Beef: 3, Dairy: 3

Estcourt, Estcourt Vet Clinic

Beef: 3, Dairy: 3

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2

Pietermaritzburg, Veterinary House Hospital

Beef: 3, Dairy: 1

Underberg, Underberg Veterinary Surgery

Beef: 3

Eastern Cape**Alexandria, Alexandria Platteland Spreekkamer**

Beef: 2, Dairy: 2

Aliwal North, Hertzogbrug Dierekliniek

Beef: 2

Witelsbos, Witelsbos Veterinary Consulting Rooms

Beef: 2

Western Cape**George, George Animal Hospital**

Beef: 3, Dairy: 3

Heidelberg (WC), Heidelberg Dierekliniek

Beef: 2, Dairy: 2, Sheep: 2

Resistant blue Ticks

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

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

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

Mpumalanga**Hendrina, Mooiplaas Veterinêre Dienste**

Beef: 2

Free State**Hoopstad, Hoopstad Dierekliniek**

Beef: 3

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

Beef: 2

Pietermaritzburg, Veterinary House Hospital

Beef: 2

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

Beef: 2, Dairy: 2

Heartwater (Bont) ticks

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.6 (5)	2.2 (5)	1.3 (3)	1.0 (1)		1.8 (12)			

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 (2)	1.0 (1)	1.0 (1)	2.4 (5)
Dairy					2.0 (1)
Sheep	3.0 (1)	2.0 (1)			1.3 (3)
Goat	2.5 (2)	2.5 (2)	1.5 (2)		1.3 (3)

Mpumalanga

Lydenburg, Longtom Dierekliniek

Beef: 3, Sheep: 3, Goat: 3

Middelburg, Middelburg Dierehospitaal

Beef: 2, Goat: 2

Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 2, Sheep: 2, Goat: 2

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 2, Goat: 3

Limpopo

Mokopane, Dr Henk Visser

Beef: 1, Goat: 1

Polokwane, Pietersburg Veterinary Clinic

Goat: 2

North West

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 1

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 3

Dundee, Endumeni Herd health

Beef: 2

Estcourt, Estcourt Vet Clinic

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

Mtubatuba, Mtubatuba Animal Clinic

Beef: 3

Pietermaritzburg, Veterinary House Hospital

Beef: 2, Sheep: 1, Goat: 1

Pongola, Pongola Animal Clinic

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 (2)			3.0 (1)		2.6 (5)			

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

Beef	2.5 (2)			3.0 (1)		2.6 (5)			
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Mpumalanga

Lydenburg, Longtom Dierekliniek

Beef: 3

Standerton, Econovet

Beef: 2

North West

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 3

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

Beef: 3

Dundee, Endumeni Herd health

Beef: 3

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2

Pietermaritzburg, Veterinary House Hospital

Beef: 2

Underberg, Underberg Veterinary Surgery

Beef: 3

Bont-legged ticks

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	3.0 (2)			2.8 (5)	2.2 (6)	2.0 (1)	3.0 (2)		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	3.0 (2)			3.0 (3)	2.0 (4)	2.0 (1)	3.0 (1)		2.5 (2)
Sheep				2.5 (2)	2.5 (2)		3.0 (1)		1.0 (1)
Goat									2.0 (1)

Mpumalanga**Bethal, Bethal Dierekliniek**

Beef: 3

Lydenburg, Longtom Dierekliniek

Beef: 3

North West**Christiana, Christiana Dierehospitaal**

Beef: 3

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 3, Sheep: 3

Leeudoringstad, Leeudoringstad Dierekliniek

Beef: 3

Schweizer-Reneke, Buffeldoorn Dierekliniek SR

Sheep: 2

Free State**Hoopstad, Hoopstad Dierekliniek**

Beef: 3, Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 2, Sheep: 2

Memel, Memel Veterinary Clinic

Beef: 1

Vrede, Saulshoek Dierepraktyk

Beef: 2

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Eastern Cape**Steynsburg, Steynsburg Dierehospitaal**

Beef: 3, Sheep: 3

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

Beef: 3

Warmer weather

Postmasburg, Postmasburg Direkliniek

Beef: 2, Sheep: 1, Goat: 2

Red-legged ticks

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average				3.0 (1)	2.3 (9)	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				3.0 (1)	2.4 (5)	2.0 (3)			
Sheep					2.3 (4)				

North West**Christiana, Christiana Dierehospitaal**

Beef: 3

Free State**Hoopstad, Hoopstad Direkliniek**

Beef: 3, Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 2, Sheep: 2

Memel, Memel Veterinary Clinic

Beef: 2, Sheep: 1

Parys, Parys Dierehospitaal

Beef: 3, Sheep: 3

Vrede, Saulshoek Direpraktyk

Beef: 2

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

Beef: 2

Pongola, Pongola Animal Clinic

Beef: 1

Underberg, Underberg Veterinary Surgery

Beef: 3

Paralysis ticks

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

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

Free State

Bultfontein, Greylingrust Dieresprekkamer

Beef: 1

Philippolis, Rowelsfontein veearts Spreekkamer

Sheep: 2

Vrede, Saulshoek Dierepraktyk

Sheep: 3

Eastern Cape

Somerset East, Bosberg Veterinary Clinic

Sheep: 2

Western Cape

Beaufort West, Beaufort West State Vet

Sheep: 3

Some farmers failed to treat their sheep in time

Biting lice (red lice) [^](#)

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

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

Sheep					2.0 (2)				
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Free State

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 2

Vrede, Saulshoek Dierepraktyk

Sheep: 2

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

Moorreesburg, Tygerberg mooreesburg

Sheep: 1

Northern Cape

Postmasburg, Postmasburg Direkliniek

Goat: 1

Scab mites

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)		
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Eastern Cape

Steynsburg, Steynsburg Dierehospitaal

Sheep: 3

Nuisance Flies

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average		3.0 (2)			2.8 (10)	2.9 (7)	2.0 (2)	1.8 (9)	

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

Beef		3.0 (1)			2.6 (5)	2.8 (4)	2.0 (1)	1.5 (4)	
Dairy					3.0 (2)	3.0 (1)	2.0 (1)	2.0 (3)	
Sheep		3.0 (1)			3.0 (3)	3.0 (1)		2.0 (2)	
Goat						3.0 (1)			

Gauteng

Magaliesburg, Magaliesburg; Dr Ryan Jeffrey

Beef: 3, Sheep: 3

Free State

Bloemfontein, Dr Stephan Wessels

Beef: 3, Sheep: 3

Bultfontein, Greylingrust Dieresprekkamer

Beef: 3, Sheep: 3

Ficksburg, Oosvrystaat Diere Produkte

Beef: 3, Dairy: 3, Sheep: 3

Harrismith, Harrismith Dierehospitaal

Beef: 2

Kroonstad, Kroonstad Dierehospitaal

Dairy: 3

Memel, Memel Veterinary Clinic

Beef: 2

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

Beef: 3

Estcourt, Estcourt Vet Clinic

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

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2

Pietermaritzburg, Veterinary House Hospital

Beef: 3

Eastern Cape**Alexandria, Alexandria Platteland Spreekkamer**

Beef: 2, Dairy: 2

Western Cape**Malmesbury, Dr Otto Kriek**

Dairy: 2

Malmesbury, Malmesbury Dierehospitaal

Beef: 3, Dairy: 3, Sheep: 3

Oudtshoorn, Ostrimed

Beef: 1

After 7 mm of rain

Oudtshoorn, Oudtshoorn Dierekliniek

Beef: 1, Sheep: 1

Stellenbosch, Stellenbosch Animal Hospital

Beef: 1, Dairy: 1

Blowflies

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

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

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

Mpumalanga**Malalane, Malelane Dierekliniek**

Sheep: 1

Fly strike around tail area - wool rot

Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 1, Goat: 1

Free State**Bloemfontein, Dr Stephan Wessels**

Beef: 3

Hoopstad, Hoopstad Dierekliniek

Sheep: 3

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 3

Eastern Cape**Aliwal North, Hertzogbrug Dierekliniek**

Sheep: 2

Western Cape**Malmesbury, Malmesbury Dierehospitaal**

Beef: 3, Dairy: 3, Sheep: 3

Screw-worm

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

Sheep					2.0 (1)				
Goat							1.0 (1)		

Free State**Reitz, Riemland Dierehospitaal**

Sheep: 2

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

Goat: 1

Cradock

Nasal bot larvae

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

Sheep	2.0 (2)			3.0 (1)	2.4 (5)		3.0 (1)		
Goat				3.0 (1)					

Mpumalanga**Hendrina, Mooiplaas Veterinêre Dienste**

Sheep: 2

Standerton, Econovet

Sheep: 2

North West

Leeudoringstad, Leeudoringstad Dierekliniek

Sheep: 3, Goat: 3

Free State

Ficksburg, Oosvrystaat Diere Produkte

Sheep: 2

Hoopstad, Hoopstad Dierekliniek

Sheep: 3

Reitz, Riemland Dierehospitaal

Sheep: 2

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 3

Wesselsbron, Wesselsbron Dierekliniek

Sheep: 2

Eastern Cape

Steynsburg, Steynsburg Dierehospitaal

Sheep: 3

Midges

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

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

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

Gauteng

Hammanskraal, Themba Animal Clinic

Goat: 1

North West

Christiana, Christiana Dierehospitaal

Beef: 3

Ventersdorp, Ventersdorp Dierekliniek

Beef: 3, Sheep: 3

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 3

Eastern Cape

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Beef: 2, Sheep: 2

Mosquitoes

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
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Average	2.0 (1)	2.5 (6)	3.0 (1)
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Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

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

Mpumalanga

Standerton, Econovet

Sheep: 2

Free State

Bultfontein, Greylingrust Dierspreekkamer

Beef: 3

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 2

Wesselsbron, Wesselsbron Dierekliniek

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
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

Goat		3.0 (1)	
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Limpopo

Makhado, Blouberg Dierekliniek

Goat: 3

Geddoelstia - uitpeuloogsiekte

Itch mite ^

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)		
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Eastern Cape**Steynsburg, Steynsburg Dierehospitaal**

Sheep: 3

Tick-borne Diseases**African red water**

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.5 (6)	2.0 (1)	1.3 (4)	1.5 (2)	1.7 (6)	2.6 (7)	2.5 (4)	2.1 (7)	

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

Beef	2.5 (6)	2.0 (1)	1.3 (4)	1.0 (1)	1.7 (6)	2.5 (6)	3.0 (1)	2.0 (4)	
Dairy				2.0 (1)		3.0 (1)	2.3 (3)	2.3 (3)	

Mpumalanga**Grootvlei, Grootvlei Dierekliniek**

Beef: 2

Hendrina, Mooiplaas Veterinêre Dienste

Beef: 3

Lydenburg, Longtom Dierekliniek

Beef: 2

Middelburg, Middelburg Dierehospitaal

Beef: 3

Piet Retief, Pets Vet Hospital

Beef: 3

Standerton, Econovet

Beef: 2

Gauteng**Bapsfontein, Bapsfontein Dierehospitaal**

Beef: 2

Limpopo**Bela Bela, Artemis Veterinary Services**

Beef: 1

One animal, treated recovered

Makhado, Blouberg Dierekliniek

Beef: 2

Mokopane, Dr Henk Visser

Beef: 1

Polokwane, Pietersburg Veterinary Clinic

Beef: 1

North West**Brits, Brits Dierekliniek**

Dairy: 2

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 1

Free State**Harrismith, Harrismith Dierehospitaal**

Beef: 2

Ladybrand, Ladybrand Dierekliniek

Beef: 1

Parys, Parys Dierehospitaal

Beef: 3

Reitz, Riemland Dierehospitaal

Beef: 2

Vrede, Saulshoek Dierepraktyk

Beef: 1

Vrede, Vrede Dierehospitaal

Beef: 1

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

Beef: 2

Dundee, Endumeni Herd health

Beef: 3, Dairy: 3

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2

Newcastle, Ncanduvet Newcastle

Beef: 3

Pietermaritzburg, Veterinary House Hospital

Beef: 2

Underberg, Underberg Veterinary Surgery

Beef: 3

Eastern Cape**Alexandria, Alexandria Platteland Spreekkamer**

Dairy: 2

Alexandria, Riverview Trading Vet Consulting Services

Beef: 3, Dairy: 2

Jeffreys Bay, Cape Cross Veterinary Hospital

Dairy: 3

Western Cape**Ceres, Ceres Veterinary Hospital**

Beef: 3

George, George Animal Hospital

Beef: 2, Dairy: 3

Heidelberg (WC), Heidelberg Dierekliniek

Beef: 2, Dairy: 2

Malmesbury, Dr Otto Kriek

Dairy: 2

An outbreak occurred when cows were bought in and placed in a vlei paddock.

Plettenberg Bay, Plettenberg Bay A Reitz

Beef: 1

One case out of 100 beef herd

Asiatic red water									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.5 (8)	2.0 (2)	1.0 (2)	1.5 (2)	1.6 (5)	2.3 (7)	2.0 (2)	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 (8)	2.0 (2)	1.0 (2)	1.5 (2)	1.6 (5)	2.4 (5)	2.0 (2)	1.3 (4)
Dairy						2.0 (2)		2.3 (3)

Mpumalanga

Ermelo, Môregloed Veterinêre Spreekkamer

Beef: 3

Grootvlei, Grootvlei Dierekliniek

Beef: 1

Hendrina, Mooiplaas Veterinêre Dienste

Beef: 3

Lydenburg, Longtom Dierekliniek

Beef: 2

Middelburg , Middelburg Dierehospitaal

Beef: 3

Piet Retief, Pets Vet Hospital

Beef: 3

Standerton, Econovet

Beef: 3

Volksrust, Cape Cross Volksrust Dierehospitaal

Beef: 2

Gauteng

Bapsfontein, Bapsfontein Dierehospitaal

Beef: 2

Bronkhorstspuit, Kerkstraat Dierekliniek

Beef: 2

Limpopo

Mokopane, Dr Henk Visser

Beef: 1

Polokwane, Pietersburg Veterinary Clinic

Beef: 1

North West

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 1

Ventersdorp, Ventersdorp Dierekliniek

Beef: 2

Free State

Ficksburg, Oosvrystaat Dier Produkte

Beef: 1

Harrismith, Harrismith Dierehospitaal

Beef: 1

Memel, Memel Veterinary Clinic

Beef: 2

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 3

Vrede, Vrede Dierehospitaal

Beef: 1

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Bergville, Tugela Vet Clinic

Beef: 2

Dundee, Endumeni Herd health

Beef: 3, Dairy: 3

Estcourt, Estcourt Vet Clinic

Dairy: 1

Pietermaritzburg, Veterinary House Hospital

Beef: 2

Underberg, Underberg Veterinary Surgery

Beef: 3

Red water present but not as bad as last year

Eastern Cape

Alexandria, Riverview Trading Vet Consulting Services

Beef: 2

Somerset East, Bosberg Veterinary Clinic

Beef: 2

Western Cape

Caledon, Caledon Dierekliniek

Beef: 1

Heidelberg (WC), Heidelberg Dierekliniek

Dairy: 3

Oudtshoorn, Ostrimed

Beef: 2

Oudtshoorn, Oudtshoorn Dierekliniek

Beef: 1

Riversdale, Riversdal Dierekliniek

Dairy: 2

Stellenbosch, Stellenbosch Animal Hospital

Beef: 1

Swellendam, Swellendam Dierehospitaal

Dairy: 2

Anaplasmosis

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.6 (5)	2.0 (1)	1.0 (1)	2.3 (3)	1.9 (14)	2.2 (6)	2.0 (6)	1.7 (11)	3.0 (1)

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

Beef	1.6 (5)	2.0 (1)	1.0 (1)	2.3 (3)	1.6 (11)	2.0 (4)	1.8 (4)	1.7 (3)	3.0 (1)
Dairy					2.7 (3)	2.5 (2)	2.5 (2)	1.8 (8)	

Mpumalanga

Bethal, Bethal Dierekliniek

Beef: 1

Grootvlei, Grootvlei Dierekliniek

Beef: 1

Hendrina, Mooiplaas Veterinêre Dienste

Beef: 1

Middelburg, Middelburg Dierehospitaal

Beef: 2

Piet Retief, Pets Vet Hospital

Beef: 3

Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 2

Limpopo**Mokopane, Dr Henk Visser**

Beef: 1

North West**Christiana, Christiana Dierehospitaal**

Beef: 3

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 1

Ventersdorp, Ventersdorp Dierekliniek

Beef: 3

Free State**Bloemfontein, Dr Stephan Wessels**

Beef: 2

Clocolan, Clocolan Dierekliniek

Beef: 3, Dairy: 3

Harrismith, Harrismith Dierehospitaal

Beef: 1

Hoopstad, Hoopstad Dierekliniek

Beef: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 2, Dairy: 3

Ladybrand, Ladybrand Dierekliniek

Beef: 1

Memel, Memel Veterinary Clinic

Beef: 1

Reitz, Riemland Dierehospitaal

Beef: 2, Dairy: 2

Senekal, Senekal Dierekliniek

Beef: 1

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 1

Wesselsbron, Wesselsbron Dierekliniek

Beef: 1

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

Beef: 2

Bergville, Tugela Vet Clinic

Beef: 2

Dundee, Endumeni Herd health

Dairy: 2

Estcourt, Estcourt Vet Clinic

Dairy: 3

Pietermaritzburg, Veterinary House Hospital

Beef: 2

Underberg, Underberg Veterinary Surgery

Beef: 2

Eastern Cape**Alexandria, Alexandria Platteland Spreekkamer**

Dairy: 2

Aliwal North, Hertzogbrug Dierekliniek

Beef: 2

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Beef: 1

Jeffreys Bay, Cape Cross Veterinary Hospital

Dairy: 3

Queenstown, Queenstown Veterinary clinic

Beef: 2

Steynsburg, Steynsburg Dierehospitaal

Beef: 2

Western Cape**Caledon, Overberg Veterinary Hospital**

Dairy: 1

Darling, Tygerberg Dierehospitaal Darling

Dairy: 1

George, George Animal Hospital

Beef: 2, Dairy: 2

Heidelberg (WC), Heidelberg Dierekliniek

Dairy: 3

Malmesbury, Dr Otto Kriek

Dairy: 1

Malmesbury, Invitrotech

Dairy: 2

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 2

Riversdale, Riversdal Dierekliniek

Dairy: 2

Vredenburg, Vredenburg Dierehospitaal

Beef: 1

Northern Cape**Kimberley, Kimberley Dierekliniek**

Beef: 3

Heartwater

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (4)	1.7 (6)	2.0 (2)	2.0 (2)		1.7 (10)	2.2 (6)		

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

Beef	2.0 (3)	2.0 (3)	2.0 (2)	2.0 (1)		1.8 (6)	2.0 (1)		
Dairy				2.0 (1)		1.0 (1)	2.5 (2)		
Sheep	2.0 (1)	1.0 (1)				1.0 (1)	3.0 (1)		
Goat		1.5 (2)				2.0 (2)	1.5 (2)		

Mpumalanga**Lydenburg, Longtom Dierekliniek**

Beef: 2, Sheep: 2

Middelburg, Middelburg Dierehospitaal

Beef: 2

Piet Retief, Pets Vet Hospital

Beef: 2

Gauteng**Bronkhorstspuit, Kerkstraat Dierekliniek**

Beef: 2, Goat: 1

Hammanskraal, Themba Animal Clinic

Beef: 3, Sheep: 1, Goat: 2

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 1

Treated animal, recovered

Limpopo

Makhado, Blouberg Dierekliniek

Beef: 2

Tzaneen, ZZ2 Farm Practice

Beef: 2

North West

Brits, Brits Dierekliniek

Dairy: 2

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 2

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Dundee, Endumeni Herd health

Beef: 2

Eshowe, Eshowe Veterinary Hospital

Beef: 2

Estcourt, Estcourt Vet Clinic

Dairy: 1

Mtubatuba, Mtubatuba Animal Clinic

Beef: 3, Goat: 3

Pietermaritzburg, Veterinary House Hospital

Beef: 1

Pongola, Pongola Animal Clinic

Beef: 1, Sheep: 1, Goat: 1

Eastern Cape

Alexandria, Riverview Trading Vet Consulting Services

Beef: 2, Dairy: 2

Bathurst, Dr Jane Pistorius

Goat: 2

Jeffreys Bay, Cape Cross Veterinary Hospital

Dairy: 3, Sheep: 3

Uitenhage, Uitenhage Dierehospitaal

Goat: 1

Sweating Sickness

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

Christiana, Christiana Dierehospitaal

Beef: 3

Leeudoringstad, Leeudoringstad Dierekliniek

Beef: 3

Free State**Bloemfontein, Dr Stephan Wessels**

Beef: 1

Bultfontein, Greylingrust Dieresprekkamer

Beef: 1

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 1

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

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	2.0 (2)	2.0 (1)	2.0 (1)	2.0 (2)	2.0 (10)	1.7 (3)			1.0 (1)

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

Beef	2.0 (2)	2.0 (1)	2.0 (1)	2.0 (2)	2.0 (8)	1.5 (2)			1.0 (1)
Dairy					2.0 (2)	2.0 (1)			

Mpumalanga**Hendrina, Mooiplaas Veterinêre Dienste**

Beef: 3

Middelburg , Middelburg Dierehospitaal

Beef: 1

Gauteng**Hammanskraal, Themba Animal Clinic**

Beef: 2

Limpopo**Polokwane, Pietersburg Veterinary Clinic**

Beef: 2

North West**Christiana, Christiana Dierehospitaal**

Beef: 1

Potchefstroom, Morvet

Beef: 3

Free State**Bloemfontein, Dr Stephan Wessels**

Beef: 2

Clocolan, Clocolan Dierekliniek

Beef: 2, Dairy: 2

Harrismith, Harrismith Dierehospitaal

Beef: 2

Hoopstad, Hoopstad Dierekliniek

Beef: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 2, Dairy: 2

Parys, Parys Dierehospitaal

Beef: 2

Reitz, Riemland Dierehospitaal

Beef: 2

Senekal, Senekal Dierekliniek

Beef: 1

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

Beef: 2

Dundee, Endumeni Herd health

Dairy: 2

Mtubatuba, Mtubatuba Animal Clinic

Beef: 1

Northern Cape**Postmasburg, Postmasburg Dierekliniek**

Beef: 1

Three-day-stiffsickness

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (4)	2.5 (2)	2.0 (1)	1.7 (3)	2.4 (8)	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	2.0 (4)	2.5 (2)	2.0 (1)	1.7 (3)	2.4 (7)	2.2 (9)			
Dairy					2.0 (1)	3.0 (1)			

Mpumalanga**Grootvlei, Grootvlei Dierekliniek**

Beef: 2

Lydenburg, Longtom Dierekliniek

Beef: 2

Middelburg, Middelburg Dierehospitaal

Beef: 1

Piet Retief, Pets Vet Hospital

Beef: 3

Gauteng**Bronkhorstspuit, Kerkstraat Dierekliniek**

Beef: 3

Hammanskraal, Themba Animal Clinic

Beef: 2

Limpopo**Polokwane, Pietersburg Veterinary Clinic**

Beef: 2

North West

Christiana, Christiana Dierehospitaal

Beef: 1

Lichtenburg, Dr CM Kruger-Rall

Beef: 1

Potchefstroom, Morvet

Beef: 3

Free State

Bloemfontein, Dr Stephan Wessels

Beef: 3

Bultfontein, Greylingsrust Dieresprekkamer

Beef: 3

Clocolan, Clocolan Dierekliniek

Beef: 2

Harrismith, Harrismith Dierehospitaal

Beef: 2

Kroonstad, Kroonstad Dierehospitaal

Dairy: 2

Reitz, Riemland Dierehospitaal

Beef: 2

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 3

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 3

Bergville, Tugela Vet Clinic

Beef: 3

Camperdown, Camperdown Vet Clinic

Beef: 2

Dundee, Endumeni Herd health

Beef: 3, Dairy: 3

Eshowe, Eshowe Veterinary Hospital

Beef: 2

Estcourt, Estcourt Vet Clinic

Beef: 1

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2

Newcastle, Ncanduvet Newcastle

Beef: 3

Pongola, Pongola Animal Clinic

Beef: 1

Blue tongue									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (3)	2.3 (3)		3.0 (3)	2.5 (13)	2.0 (1)	3.0 (2)	1.5 (6)	

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

Sheep	2.0 (3)	2.3 (3)		3.0 (3)	2.5 (13)	2.0 (1)	3.0 (2)	1.5 (6)
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Mpumalanga

Grootvlei, Grootvlei Dierekliniek

Sheep: 2

Lydenburg, Longtom Dierekliniek

Sheep: 2

Standerton, Econovet

Sheep: 2

Gauteng

Bapsfontein, Bapsfontein Dierehospitaal

Sheep: 2

Bronkhorstspuit, Kerkstraat Dierekliniek

Sheep: 3

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Sheep: 2

Four cases

North West

Brits, Brits Dierekliniek

Sheep: 3

Leeudoringstad, Leeudoringstad Dierekliniek

Sheep: 3

First time seen in Dorpers

Ventersdorp, Ventersdorp Dierekliniek

Sheep: 3

Free State

Bloemfontein, Dr Stephan Wessels

Sheep: 3

Bultfontein, Greylingrust Dieresprekkamer

Sheep: 3

Ficksburg, Oosvrystaat Diere Produkte

Sheep: 3

Harrismith, Harrismith Dierehospitaal

Sheep: 2

Hoopstad, Hoopstad Dierekliniek

Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Sheep: 3

Ladybrand, Ladybrand Dierekliniek

Sheep: 2

Memel, Memel Veterinary Clinic

Sheep: 2

Reitz, Riemland Dierehospitaal

Sheep: 2

Viljoenskroon, Viljoenskroon Dierekliniek

Sheep: 3

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 2

Vrede, Vrede Dierehospitaal

Sheep: 3

Wesselsbron, Wesselsbron Dierekliniek

Sheep: 1

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

Sheep: 2

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

Sheep: 3

Steynsburg, Steynsburg Dierehospitaal

Sheep: 3

Western Cape**Beaufort West, Beaufort Dierekliniek**

Sheep: 1

Caledon, Overberg Veterinary Hospital

Sheep: 2

Heidelberg (WC), Heidelberg Dierekliniek

Sheep: 2

Oudtshoorn, Ostrimed

Sheep: 1

Riversdale, Riversdal Dierekliniek

Sheep: 1

Swellendam, Swellendam Dierehospitaal

Sheep: 2

Nagana

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

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

Beef

2.0 (1)

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

Beef: 2

Venereal Diseases***Actinobacillus seminis***

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)

Mpumalanga**Bethal, Bethal Dierekliniek**

Beef: 1

Trichomonosis

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.3 (4)			2.0 (1)	2.2 (9)	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	2.3 (4)			2.0 (1)	2.2 (9)	1.0 (1)			
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Mpumalanga

Ermelo, Mōregloed Veterinêre Spreekkamer

Beef: 3

Hendrina, Mooiplaas Veterinêre Dienste

Beef: 2

Middelburg , Middelburg Dierehospitaal

Beef: 2

Standerton, Econovet

Beef: 2

North West

Leeudoringstad, Leeudoringstad Dierekliniek

Beef: 2

Neighbouring bull jump fence and infected herd, only 3 hours in herd, serviced a few cows. Both bulls on farm now positive. Pregnancy rat dropped to 30%.

Free State

Bloemfontein, Dr Stephan Wessels

Beef: 3

Two new herds with infected bulls. 8 bulls tested positive in new herd after poor conception - Dealesville area

Clocolan, Clocolan Dierekliniek

Beef: 2

Ficksburg, Oosvrystaat Diere Produkte

Beef: 1

Hoopstad, Hoopstad Dierekliniek

Beef: 3

Ladybrand, Ladybrand Dierekliniek

Beef: 1

Parys, Parys Dierehospitaal

Beef: 2

Lack of biosecurity

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 2

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 3

Vrede, Saulshoek Dierepraktyk

Beef: 3

Kwazulu-Natal

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

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

Hendrina, Mooiplaas Veterinêre Dienste

Beef: 1

Middelburg , Middelburg Dierehospitaal

Beef: 2

North West

Leeudoringstad, Leeudoringstad Dierekliniek

Beef: 2

Free State

Bloemfontein, Dr Stephan Wessels

Beef: 1

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 1

Underberg, Underberg Veterinary Surgery

Beef: 1

Eastern Cape

Queenstown, Queenstown Veterinary clinic

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)		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)
Goat							1.0 (1)		

Eastern Cape

Graaff-Reinet, Camdeboo Veterinary Clinic

Goat: 1

Northern Cape

Calvinia, Calvinia Veeartskliniek

Sheep: 3

Bacterial Disease (other)

Blackquarter



PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.7 (3)			2.0 (3)	2.0 (7)	1.7 (6)	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	1.7 (3)			2.0 (3)	2.0 (7)	1.8 (4)	1.0 (2)		
Dairy						1.5 (2)		1.0 (1)	

Mpumalanga

Bethal, Bethal Dierekliniek

Beef: 1

Hendrina, Mooiplaas Veterinêre Dienste

Beef: 2

Standerton, Econovet

Beef: 2

North West

Christiana, Christiana Dierehospitaal

Beef: 1

Blackleg/Quarter evil

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 2

Leeudoringstad, Leeudoringstad Dierekliniek

Beef: 3

Outbreaks on 3 farms

Free State

Bloemfontein, Dr Stephan Wessels

Beef: 2

Clocolan, Clocolan Dierekliniek

Beef: 2

Hoopstad, Hoopstad Dierekliniek

Beef: 2

Kroonstad, Kroonstad Dierehospitaal

Beef: 2

Reitz, Riemland Dierehospitaal

Beef: 2

Smithfield, Freestate Smithfield SV

Beef: 2

4 animals died, Rouxville

Wesselsbron, Wesselsbron Dierekliniek

Beef: 2

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Dundee, Endumeni Herd health

Beef: 1, Dairy: 1

Estcourt, Estcourt Vet Clinic

Beef: 2, Dairy: 2

Underberg, Underberg Veterinary Surgery

Beef: 2

Eastern Cape

Aliwal North, Hertzogbrug Direkliniek

Beef: 1

Queenstown, Queenstown Veterinary clinic

Beef: 1

Western Cape**Darling, Tygerberg Dierehospitaal Darling**

Dairy: 1

Botulism

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

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

Beef			1.0 (1)	2.5 (2)		2.0 (1)		2.0 (1)	3.0 (1)
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Limpopo**Polokwane, Pietersburg Veterinary Clinic**

Beef: 1

North West**Christiana, Christiana Dierehospitaal**

Beef: 2

Rustenburg, Bergbos Direkliniek

Beef: 3

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

Beef: 2

In feedlot

Western Cape**Stellenbosch, Stellenbosch Animal Hospital**

Beef: 2

Northern Cape**Upington, Upington Veeartsenykliniek**

Beef: 3

Drought playing a big role, bones

Pulpy Kidney

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

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

Beef							2.0 (1)		
Sheep		1.0 (1)		1.0 (1)	2.2 (6)		1.8 (4)	1.0 (2)	
Goat							1.0 (1)	1.0 (1)	

Gauteng**Bronkhorstspuit, Kerkstraat Dierekliniek**

Sheep: 1

North West**Christiana, Christiana Dierehospitaal**

Sheep: 1

Free State**Bloemfontein, Dr Stephan Wessels**

Sheep: 3

Dewetsdorp, Platkop Dierekliniek

Sheep: 2

Hoopstad, Hoopstad Dierekliniek

Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Sheep: 2

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 2

Wesselsbron, Wesselsbron Dierekliniek

Sheep: 1

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

Sheep: 1, Goat: 1

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Sheep: 2

Somerset East, Bosberg Veterinary Clinic

Sheep: 2

Steynsburg, Steynsburg Dierehospitaal

Beef: 2

Witelsbos, Witelsbos Veterinary Consulting Rooms

Sheep: 2

Western Cape**Caledon, Caledon Dierekliniek**

Sheep: 1

Malmesbury, Dr Otto Kriek

Goat: 1

Oudtshoorn, Ostrimed

Sheep: 1

Lamb dysentery

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

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

Sheep

1.0 (1)

Western Cape**Caledon, Overberg Veterinary Hospital**

Sheep: 1

Swelled head disease

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

Mpumalanga

Piet Retief, Pets Vet Hospital

Beef: 3

Gauteng

Bronkhorstspuit, Kerkstraat Dierekliniek

Sheep: 1, Goat: 1

Free State

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 2

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 1

Western Cape

Beaufort West, Beaufort West State Vet

Sheep: 2

Acute deaths with severe bleeding and sub-cutaneous swelling in brisket area

Northern Cape

Kimberley, Kimberley Dierekliniek

Sheep: 3

Red gut (cattle)

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

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

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

Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 1

Free State

Kroonstad, Kroonstad Dierehospitaal

Beef: 1

Memel, Memel Veterinary Clinic

Beef: 1

Kwazulu-Natal

Dundee, Endumeni Herd health

Dairy: 1

Eastern Cape

Alexandria, Alexandria Platteland Spreekkamer

Dairy: 2

Western Cape

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 2

Blood gut (Sheep)

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

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

Sheep					1.7 (3)			2.0 (1)	2.0 (1)
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Free State

Bloemfontein, Dr Stephan Wessels

Sheep: 1

Memel, Memel Veterinary Clinic

Sheep: 2

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 2

Western Cape

Beaufort West, Beaufort Dierekliniek

Sheep: 2

Northern Cape

Calvinia, Calvinia Veeartskliniek

Sheep: 2

Tetanus

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

Reitz, Riemland Dierehospitaal

Sheep: 1

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

Sheep: 1

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

Sheep: 1

Two weeks after tail docking

Brucella abortus

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 (2)	2.8 (5)				

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

Beef	2.0 (2)		2.0 (1)	3.0 (2)	2.8 (5)				
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Mpumalanga**Hendrina, Mooiplaas Veterinêre Dienste**

Beef: 1

Middelburg , Middelburg Dierehospitaal

Beef: 3

Limpopo**Polokwane, Pietersburg Veterinary Clinic**

Beef: 2

North West**Christiana, Christiana Dierehospitaal**

Beef: 3

Brucellosis, new farm, 24 out of 60 tested positive

Lichtenburg, Dr CM Kruger-Rall

Beef: 3

34 cattle

Free State**Bloemfontein, Dr Stephan Wessels**

Beef: 2

Two new beef herds with positive animals. One new herd positive in Jagersfontein area.

Harrismith, Harrismith Dierehospitaal

Beef: 3

Hoopstad, Hoopstad Dierekliniek

Beef: 3

Ladybrand, Ladybrand Dierekliniek

Beef: 3

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 3

Brucella ovis

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

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

Sheep					2.3 (3)			1.0 (1)	
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Free State

Clocolan, Clocolan Dierekliniek

Sheep: 1

Smithfield, Freestate Smithfield SV

Sheep: 3

14 cases Springfontein

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 3

Western Cape

Beaufort West, Beaufort West State Vet

Sheep: 1

Johne`s disease



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)			1.0 (1)	
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Free State

Senekal, Senekal Dierekliniek

Sheep: 1

Western Cape

Darling, Tygerberg Dierehospitaal Darling

Sheep: 1

Pseudomonas



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

Vrede, Saulshoek Dierpraktik

Beef: 2

Septicaemia

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

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

Beef	2.0 (1)
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Sheep	2.0 (2)
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Kwazulu-Natal

Dundee, Endumeni Herd health

Beef: 2

Pasteurella multocida

Northern Cape

Calvinia, Calvinia Veeartskliniek

Sheep: 3

Postmasburg, Postmasburg Dierkliniek

Sheep: 1

E. coli

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (2)	2.0 (1)		2.3 (4)	2.5 (21)	3.0 (1)	1.5 (2)	1.0 (3)	3.0 (1)

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

Beef	2.0 (1)	2.0 (1)		2.5 (2)	2.4 (7)	3.0 (1)		1.0 (2)	
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Dairy					2.0 (1)				
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Sheep	2.0 (1)			2.0 (2)	2.6 (13)		1.0 (1)	1.0 (1)	3.0 (1)
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Goat							2.0 (1)		
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Mpumalanga

Standerton, Econovet

Beef: 2, Sheep: 2

Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 2

North West

Brits, Brits Dierekliniek

Sheep: 1

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 3, Sheep: 3

Ventersdorp, Ventersdorp Dierekliniek

Beef: 2

Free State

Bloemfontein, Dr Stephan Wessels

Sheep: 3

Clocolan, Clocolan Dierekliniek

Beef: 2, Sheep: 3

Dewetsdorp, Platkop Dierekliniek

Sheep: 3

Ficksburg, Oosvrystaat Diere Produkte

Beef: 2, Dairy: 2, Sheep: 2

Harrismith, Harrismith Dierehospitaal

Sheep: 2

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 3, Sheep: 3

Memel, Memel Veterinary Clinic

Sheep: 2

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 3, Sheep: 3

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2, Sheep: 3

Vrede, Saulshoek Dierepraktyk

Beef: 2, Sheep: 3

Vrede, Vrede Dierehospitaal

Sheep: 3

Diarrhoea

Wesselsbron, Wesselsbron Dierekliniek

Sheep: 1

Kwazulu-Natal

Underberg, Underberg Veterinary Surgery

Beef: 3

Eastern Cape

Aliwal North, Hertzogbrug Dierekliniek

Sheep: 1

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Goat: 2

Western Cape

Caledon, Overberg Veterinary Hospital

Sheep: 1

Oudtshoorn, Ostrimed

Beef: 1

Stellenbosch, Stellenbosch Animal Hospital

Beef: 1

Northern Cape

Upington, Upington Veeartsenykliniek

Sheep: 3

Larg outbreaks in lambs in Kenhardt, Brandvlei, Pofadder

Enzootic Abortion [^](#)

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

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

Sheep		2.0 (1)			1.5 (2)	1.0 (1)			
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Gauteng

Bronkhorstspuit, Kerkstraat Dierekliniek

Sheep: 2

Free State

Ladybrand, Ladybrand Dierekliniek

Sheep: 2

Wesselsbron, Wesselsbron Dierekliniek

Sheep: 1

Kwazulu-Natal

Pietermaritzburg, Veterinary House Hospital

Sheep: 1

Dermatophilosis (Lumpy Wool) [^](#)

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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North West

Schweizer-Reneke, Buffeldoorn Dierekliniek SR

Sheep: 2

Intrauterine Gangrene [^](#)

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

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

Sheep					1.0 (1)				
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Free State**Vrede, Saulshoek Dierepraktyk**

Sheep: 1

Fusibacterium necrophorum

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

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

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

Mpumalanga**Hendrina, Mooiplaas Veterinêre Dienste**

Beef: 2, Sheep: 2

Free State**Harrismith, Harrismith Dierehospitaal**

Sheep: 1

Western Cape**Stellenbosch, Stellenbosch Animal Hospital**

Dairy: 1

Other

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

Mpumalanga**Lydenburg, Longtom Dierekliniek**

Beef: 2

Foot abscess

Sheep: 2

Foot rot

Gauteng**Bronkhorstspuit, Kerkstraat Dierekliniek**

Sheep: 2

North West

Leeudoringstad, Leeudoringstad Dierekliniek

Sheep: 2

Two lambs with *Klebsiella*!

Free State

Smithfield, Freestate Smithfield SV

Beef: 2

Clostridial disease, Smithfield, animal died

Vrede, Saulshoek Dierepraktyk

Sheep: 3

P. multocida type E in rams that are conditioned for sale

Wesselsbron, Wesselsbron Dierekliniek

Sheep: 1

Coxiella burnetii - abortions

Eastern Cape

Somerset East, Bosberg Veterinary Clinic

Dairy: 2

Mycoplasma as a cause of abortion in last trimester heifers, PCR positive on placental sample

Northern Cape

Kimberley, Kimberley Dierekliniek

Sheep: 3

Pasteurella multocida

Protozoal diseases (other)

Coccidiosis

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.8 (5)	1.0 (1)	3.0 (1)	2.0 (2)	2.5 (4)		2.0 (3)	1.3 (3)	

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

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

Mpumalanga

Bethal, Bethal Dierekliniek

Beef: 1, Sheep: 1

Nelspruit, Nelspruit Animal Hospital

Goat: 3

Standerton, Econovet

Beef: 2, Sheep: 2

Gauteng

Hammanskraal, Themba Animal Clinic

Goat: 1

Limpopo

Makhado, Blouberg Dierekliniek

Beef: 3

North West

Brits, Brits Dierekliniek

Sheep: 2

Klerksdorp, Klerksdorp Dierehospitaal

Sheep: 2

Free State

Bloemfontein, Dr Stephan Wessels

Sheep: 3

Reitz, Riemland Dierehospitaal

Sheep: 2

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 3

Wesselsbron, Wesselsbron Dierekliniek

Sheep: 2

Eastern Cape

Bathurst, Dr Jane Pistorius

Goat: 2

Graaff-Reinet, Camdeboo Veterinary Clinic

Goat: 2

Somerset East, Bosberg Veterinary Clinic

Goat: 2

Western Cape

Malmesbury, Malmesbury Dierehospitaal

Dairy: 2

Riversdale, Riversdal Dierekliniek

Sheep: 1

Stellenbosch, Stellenbosch Animal Hospital

Sheep: 1

Cryptosporidium

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.3 (3)	3.0 (2)			2.6 (9)	2.0 (3)		2.0 (1)	

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

Beef	3.0 (1)	3.0 (1)			2.3 (3)	2.5 (2)			
Dairy					2.0 (1)			2.0 (1)	
Sheep	2.0 (2)	3.0 (1)			2.8 (5)	1.0 (1)			

Mpumalanga

Bethal, Bethal Dierekliniek

Sheep: 1

Volkstrust, Cape Cross Volkstrust Dierehospitaal

Beef: 3, Sheep: 3

Gauteng

Magaliesburg, Magaliesburg; Dr Ryan Jeffrey

Beef: 3

Cryptosporidiosis is killing farmers financially. Halocur is out of stock!

Sheep: 3

Free State

Bultfontein, Greylingrust Dieresprekkamer

Beef: 3, Sheep: 3

Clocolan, Clocolan Dierekliniek

Beef: 2, Dairy: 2, Sheep: 3

Ficksburg, Oosvrystaat Diere Produkte

Beef: 2

Huge problem in lambs, beef and dairy calves younger than 2 weeks of age

Harrismith, Harrismith Dierehospitaal

Sheep: 2

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 3

Vrede, Saulshoek Dierepraktyk

Sheep: 3

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Newcastle, Ncanduvet Newcastle

Sheep: 1

Underberg, Underberg Veterinary Surgery

Beef: 3

Cryptosporidiosis still an issue but not as bad as last year

Western Cape

Heidelberg (WC), Heidelberg Dierekliniek

Dairy: 2

Fungal diseases

Ringworm

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)		1.5 (4)	1.0 (3)		3.0 (1)	

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

Beef	1.0 (1)	1.0 (1)	2.0 (1)		1.5 (4)	1.0 (3)		3.0 (1)	
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Mpumalanga

Ermelo, Mōregloed Veterinêre Spreekkamer

Beef: 1

Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 1

Limpopo

Makhado, Blouberg Dierekliniek

Beef: 2

Free State

Bloemfontein, Dr Stephan Wessels

Beef: 1

Kroonstad, Kroonstad Dierehospitaal

Beef: 2

Vrede, Saulshoek Dierepraktyk

Beef: 2

Wesselsbron, Wesselsbron Dierekliniek

Beef: 1

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 1

Mtubatuba, Mtubatuba Animal Clinic

Beef: 1

Underberg, Underberg Veterinary Surgery

Beef: 1

Western Cape

Stellenbosch, Stellenbosch Animal Hospital

Beef: 3

Viral Diseases (other)

BMC (snotsiekte)

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

Mpumalanga

Middelburg , Middelburg Dierehospitaal

Beef: 1

Standerton, Econovet

Beef: 1

Limpopo

Modimolle, Kranskop Dierekliniek

Beef: 1

Nguni bull, wildebeest associated snotsiekte virus

Vaalwater, Vaalwater Dieresprekkamer

Beef: 2

North West

Christiana, Christiana Dierehospitaal

Beef: 1

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 1

Ventersdorp, Ventersdorp Dierekliniek

Beef: 2

Free State

Bloemfontein, Dr Stephan Wessels

Beef: 1

Dewetsdorp, Platkop Dierekliniek

Beef: 1

Suspect, waiting for laboratory results

Kroonstad, Kroonstad Dierehospitaal

Beef: 2

Eastern Cape

Alexandria, Alexandria Platteland Spreekkamer

Beef: 1

Aliwal North, Hertzogbrug Dierekliniek

Beef: 1

Stutterheim, Stutterheim Veterinary Clinic

Beef: 2

Three cases, Komga district. Animals in close contact with Wildebeest

Western Cape

George, George Animal Hospital

Dairy: 2

Northern Cape

Postmasburg, Postmasburg Dierekliniek

Beef: 1

BVD (Bovine viral diarrhoea)

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

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

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

Polokwane, Pietersburg Veterinary Clinic

Beef: 2

Kwazulu-Natal

Pietermaritzburg, Veterinary House Hospital

Beef: 3

Western Cape

Stellenbosch, Stellenbosch Animal Hospital

Beef: 1

IBR (Infectious bovine rhinotracheitis)

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average			2.0 (1)	3.0 (1)	3.0 (1)	3.0 (1)		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)	3.0 (1)	3.0 (1)		3.0 (1)	
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Limpopo
Polokwane, Pietersburg Veterinary Clinic
Beef: 2
North West
Leeudoringstad, Leeudoringstad Dierekliniek
Beef: 3
Free State
Viljoenskroon, Viljoenskroon Dierekliniek
Beef: 3
Kwazulu-Natal
Pietermaritzburg, Veterinary House Hospital
Beef: 3
Western Cape
Stellenbosch, Stellenbosch Animal Hospital
Beef: 3

BRSV (Bovine respiratory syncytial virus) [^](#)

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)			
Dairy								1.0 (1)	

Kwazulu-Natal
Pietermaritzburg, Veterinary House Hospital
Beef: 2
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
Average						3.0 (1)			

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

Beef						3.0 (1)			
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Kwazulu-Natal
Pietermaritzburg, Veterinary House Hospital
Beef: 3

Enzootic Bovine Leucosis (EBL) [^](#)

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

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

Free State

Clocolan, Clocolan Dierekliniek

Dairy: 1

Kwazulu-Natal

Underberg, Underberg Veterinary Surgery

Beef: 1

Eastern Cape

Somerset East, Bosberg Veterinary Clinic

Dairy: 2

Western Cape

Malmesbury, Malmesbury Dierehospitaal

Dairy: 2

Stellenbosch, Stellenbosch Animal Hospital

Dairy: 2

Northern Cape

Kimberley, Kimberley Dierekliniek

Beef: 1

Jaagsiekte

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

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

Sheep					1.0 (1)				
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Free State

Smithfield, Freestate Smithfield SV

Sheep: 1

Bethulie

Orf

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (1)	2.0 (1)		2.2 (5)	2.1 (9)	1.5 (2)	1.6 (5)	3.0 (1)	2.0 (1)

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

Sheep			2.3 (3)	2.1 (9)	1.5 (2)	1.7 (3)	3.0 (1)	
Goat	2.0 (1)	2.0 (1)	2.0 (2)			1.5 (2)		2.0 (1)

Mpumalanga

Lydenburg, Longtom Dierekliniek

Goat: 2

Gauteng

Bronkhorstspuit, Kerkstraat Dierekliniek

Goat: 2

North West

Christiana, Christiana Dierehospitaal

Sheep: 2

Klerksdorp, Klerksdorp Dierehospitaal

Goat: 2

Potchefstroom, Morvet

Sheep: 3

Ventersdorp, Ventersdorp Dierekliniek

Sheep: 2, Goat: 2

Free State

Dewetsdorp, Platkop Dierekliniek

Sheep: 3

Hoopstad, Hoopstad Dierekliniek

Sheep: 2

Kroonstad, Kroonstad Dierehospitaal

Sheep: 2

Ladybrand, Ladybrand Dierekliniek

Sheep: 1

Parys, Parys Dierehospitaal

Sheep: 2

Viljoenskroon, Viljoenskroon Dierekliniek

Sheep: 2

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 3

Vrede, Saulshoek Dierepraktyk

Sheep: 2

Wesselsbron, Wesselsbron Dierekliniek

Sheep: 2

Kwazulu-Natal

Dundee, Endumeni Herd health

Sheep: 1

Underberg, Underberg Veterinary Surgery

Sheep: 2

Eastern Cape

Aliwal North, Hertzogbrug Dierekliniek

Sheep: 1

Graaff-Reinet, Camdeboo Veterinary Clinic

Sheep: 1, Goat: 2

Jeffreys Bay, Cape Cross Veterinary Hospital

Sheep: 3

Uitenhage, Uitenhage Dierehospitaal

Goat: 1

Western Cape**George, George Animal Hospital**

Sheep: 3

Northern Cape**Postmasburg, Postmasburg Direklyniek**

Goat: 2

Warts

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average			1.0 (2)		1.3 (4)	1.6 (5)	1.0 (1)	1.8 (4)	

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

Beef			1.0 (1)		1.3 (3)	1.6 (5)		1.7 (3)	
Dairy					1.0 (1)			2.0 (1)	
Sheep							1.0 (1)		
Goat			1.0 (1)						

Limpopo**Polokwane, Pietersburg Veterinary Clinic**

Beef: 1, Goat: 1

Free State**Dewetsdorp, Platkop Direklyniek**

Beef: 1

Senekal, Senekal Direklyniek

Dairy: 1

Villiers, Wilgepoort Direklyniek Vennootskap

Beef: 2

Wesselsbron, Wesselsbron Direklyniek

Beef: 1

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

Beef: 2

Eshowe, Eshowe Veterinary Hospital

Beef: 3

Estcourt, Estcourt Vet Clinic

Beef: 1

Mtubatuba, Mtubatuba Animal Clinic

Beef: 1

Newcastle, Ncanduvet Newcastle

Beef: 1

Eastern Cape**Queenstown, Queenstown Veterinary clinic**

Sheep: 1

Western Cape**George, George Animal Hospital**

Beef: 2

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 2

Stellenbosch, Stellenbosch Animal Hospital

Beef: 1

Rota virus

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

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

Beef 3.0 (1)**Dairy** 2.0 (1)**Mpumalanga****Volkstrust, Cape Cross Volkstrust Dierehospitaal**

Beef: 3

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

Dairy: 2

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

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

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

Sheep 2.0 (1)**Western Cape****Beaufort West, Beaufort West State Vet**

Sheep: 2

Typical krimpsiekte symptoms, could be krulblaar tulp.

Cestrum

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)		2.0 (1)		
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Free State

Bloemfontein, Dr Stephan Wessels

Beef: 1

Clocolan, Clocolan Dierekliniek

Beef: 2

Eastern Cape

Uitenhage, Uitenhage Dierehospitaal

Beef: 2

Cynanchum poisoning

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

Dairy							2.0 (1)		
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Sheep							3.0 (1)		
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Eastern Cape

Jeffreys Bay, Cape Cross Veterinary Hospital

Dairy: 2, Sheep: 3

Facial eczema

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

Beef					2.0 (1)				
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Sheep					2.0 (1)		3.0 (1)	2.0 (1)	
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Free State

Reitz, Riemland Dierehospitaal

Sheep: 2

Vrede, Saulshoek Dieredpraktyk

Beef: 2

Eastern Cape

Steynsburg, Steynsburg Dierehospitaal

Sheep: 3

Western Cape

Heidelberg (WC), Heidelberg Dierekliniek

Sheep: 2

Geeldikkop/Dikoor [^](#)

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

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

Sheep	2.0 (1)		1.0 (1)		1.8 (4)				
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Mpumalanga

Standerton, Econovet

Sheep: 2

Limpopo

Polokwane, Pietersburg Veterinary Clinic

Sheep: 1

Free State

Harrismith, Harrismith Dierehospitaal

Sheep: 1

Kroonstad, Kroonstad Dierehospitaal

Sheep: 2

Villiers, Wilgepoort Dierkliniek Vennootskap

Sheep: 2

Wesselsbron, Wesselsbron Dierkliniek

Sheep: 2

Gousiekte [^](#)

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

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

Goat			2.0 (1)						
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Limpopo

Modimolle, Kranskop Dierkliniek

Goat: 2

Four Boer goats died

Kikuyu poisoning [^](#)

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

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

Beef	3.0 (1)
Dairy	2.0 (1)

Mpumalanga
Piet Retief, Pets Vet Hospital
Beef: 3
Eastern Cape
Alexandria, Alexandria Platteland Spreekkamer
Dairy: 2

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

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

Beef	2.0 (2)
Dairy	1.0 (1)

Kwazulu-Natal
Bergville, Bergville Veterinary Clinic
Beef: 2
Dundee, Endumeni Herd health
Beef: 2, Dairy: 1

Lupine Poisoning									
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	3.0 (1)
Sheep	1.0 (1)

Western Cape
Caledon, Overberg Veterinary Hospital
Beef: 3
Darling, Tygerberg Dierhospitaal Darling
Sheep: 1

Nenta poisoning (Krimpsiekte)									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape

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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Western Cape

Oudtshoorn, Ostrimed

Beef: 1

Suspected

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)				
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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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Free State

Wesselsbron, Wesselsbron Dierekliniek

Sheep: 1

Prussic acid poisoning

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

Sheep							2.0 (1)	3.0 (1)	
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Eastern Cape

Steynsburg, Steynsburg Dierehospitaal

Sheep: 2

Western Cape

Piketberg, Piketberg Dierehospitaal

Sheep: 3

Tulip Poisoning

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

Beef		2.0 (1)							
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Sheep								1.0 (1)	
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Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 2

Western Cape

Darling, Tygerberg Dierehospitaal Darling

Sheep: 1

Photosensitivity

Poisonings

Water contamination

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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Kwazulu-Natal

Pietermaritzburg, Veterinary House Hospital

Beef: 1

Urea Poisoning

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

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

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

Grootvlei, Grootvlei Dierekliniek

Beef: 2

Free State**Clocolan, Clocolan Dierekliniek**

Beef: 1

Philippolis, Rowelsfontein veearts Spreekkamer

Sheep: 2

Reitz, Riemland Dierehospitaal

Sheep: 1

Vrede, Saulshoek Dierepraktyk

Sheep: 3

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

Dairy: 3

Steynsburg, Steynsburg Dierehospitaal

Sheep: 3

Snake Bite

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

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

Mpumalanga**Hendrina, Mooiplaas Veterinêre Dienste**

Beef: 1

North West**Brits, Brits Dierekliniek**

Dairy: 2

Free State**Hoopstad, Hoopstad Dierekliniek**

Beef: 2

Blue-green algae

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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Western Cape**George, George Animal Hospital**

Dairy: 3

Copper 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									
Dairy								2.0 (1)	
Sheep									2.0 (1)

Western Cape

Malmesbury, Dr Otto Kriek

Dairy: 2

Liver samples that were sent for analysis indicated excessively high levels of copper. Ongoing investigation will eventually determine the cause of this situation.

Northern Cape

De Aar, De Aar Veterinary Clinic

Sheep: 2

A few yellow carcasses

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

Free State

Memel, Memel Veterinary Clinic

Sheep: 2

Macro Nutritional Problems

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

Dairy							3.0 (1)	3.0 (1)	
Sheep		2.0 (1)					3.0 (1)	2.0 (1)	3.0 (1)
Goat		2.0 (1)					3.0 (1)		3.0 (1)

Gauteng

Hammanskraal, Themba Animal Clinic

Sheep: 2, Goat: 2

North West

Christiana, Christiana Dierehospitaal

Beef: 2

Kwazulu-Natal

Camperdown, Camperdown Vet Clinic

Beef: 1

Underberg, Underberg Veterinary Surgery

Beef: 3

Eastern Cape

Steynsburg, Steynsburg Dierehospitaal

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

Western Cape

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 3, Sheep: 2

Northern Cape

Postmasburg, Postmasburg Dierekliniek

Beef: 3, Sheep: 3, Goat: 3

Protein deficiency [^](#)

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

Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 2, Sheep: 2, Goat: 2

Kwazulu-Natal

Camperdown, Camperdown Vet Clinic

Beef: 1

Underberg, Underberg Veterinary Surgery

Beef: 2

Eastern Cape

Steynsburg, Steynsburg Dierehospitaal

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

Western Cape

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 2, Sheep: 2

Phosphate deficiency [^](#)

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)		2.0 (2)

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

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

Limpopo

Polokwane, Pietersburg Veterinary Clinic

Beef: 1

North West

Christiana, Christiana Dierhospitaal

Beef: 2

Eastern Cape

Steynsburg, Steynsburg Dierhospitaal

Sheep: 3

Northern Cape

Kathu, Kathu Dierkliniek

Beef: 2

Postmasburg, Postmasburg Dierkliniek

Beef: 2

Calcium deficiency [^](#)

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

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

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

Free State

Ladybrand, Ladybrand Dierkliniek

Dairy: 1

Western Cape

Malmesbury, Malmesbury Dierhospitaal

Beef: 2, Dairy: 3, Sheep: 3

Northern Cape

Postmasburg, Postmasburg Dierkliniek

Sheep: 3

Micro Nutritional Problems

Copper deficiency

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

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

Beef						3.0 (1)			
Dairy						1.0 (1)			
Sheep								1.7 (3)	

Kwazulu-Natal

Dundee, Endumeni Herd health

Dairy: 1

Underberg, Underberg Veterinary Surgery

Beef: 3

Western Cape

Caledon, Caledon Dierekliniek

Sheep: 1

Caledon, Overberg Veterinary Hospital

Sheep: 2

Stellenbosch, Stellenbosch Animal Hospital

Sheep: 2

Zinc 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

Beef						3.0 (1)			
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Kwazulu-Natal

Underberg, Underberg Veterinary Surgery

Beef: 3

Selenium deficiency

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

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

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

Mpumalanga

Standerton, Econovet

Beef: 3

Limpopo

Polokwane, Pietersburg Veterinary Clinic

Beef: 1

Free State

Ladybrand, Ladybrand Dierekliniek

Sheep: 3

Kwazulu-Natal

Underberg, Underberg Veterinary Surgery

Beef: 3

Western Cape

Malmesbury, Groenkloof Dierekliniek

Beef: 2

Cattle bought in from KZN

Northern Cape

Postmasburg, Postmasburg Dierekliniek

Sheep: 2

Magnesium deficiency

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

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

Beef	1.0 (1)								
Sheep							3.0 (1)		

Gauteng

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 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								2.0 (1)	

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

Dairy 2.0 (1)

Western Cape

Caledon, Overberg Veterinary Hospital

Dairy: 2

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

Abortion

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 (2)

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

Beef 3.0 (1) 3.0 (1)

Sheep 3.0 (1)

North West

Christiana, Christiana Dierehospitaal

Beef: 3

Free State

Villiers, Wilgepoort Dierkliniek Vennootskap

Beef: 3, 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 2.0 (1)

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

Sheep 2.0 (1)

Western Cape

Vredenburg, Vredenburg Dierehospitaal

Sheep: 2

Vitamin B1 deficiency

Multi-factorial Disease Conditions

Abortions

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.5 (2)	1.0 (1)	1.5 (2)	2.0 (1)	2.3 (8)	2.3 (4)	3.0 (1)	2.4 (8)	

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 (1)	2.3 (4)	2.3 (3)		1.5 (2)	
Dairy						2.0 (1)	3.0 (1)	2.8 (5)	
Sheep					2.3 (4)			2.0 (1)	
Goat		1.0 (1)	1.0 (1)						

Mpumalanga

Hendrina, Mooiplaas Veterinêre Dienste

Beef: 2

Volkswest, Cape Cross Volkswest Dierehospitaal

Beef: 1

Gauteng

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Goat: 1

Limpopo

Polokwane, Pietersburg Veterinary Clinic

Beef: 2, Goat: 1

North West

Christiana, Christiana Dierehospitaal

Beef: 2

Free State

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Ladybrand, Ladybrand Dierekliniek

Sheep: 2

Parys, Parys Dierehospitaal

Beef: 2

Reitz, Riemland Dierehospitaal

Beef: 2

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2, Sheep: 2

Wesselsbron, Wesselsbron Dierekliniek

Sheep: 2

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

Beef: 2

Dundee, Endumeni Herd health

Dairy: 2

Newcastle, Ncanduvet Newcastle

Beef: 3

Underberg, Underberg Veterinary Surgery

Beef: 2

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

Dairy: 3

Western Cape**Malmesbury, Dr Otto Kriek**

Dairy: 3

Malmesbury, Invitrotech

Dairy: 3

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 3, Sheep: 2

Riversdale, Riversdal Dierekliniek

Dairy: 2

Stellenbosch, Stellenbosch Animal Hospital

Beef: 1

Swellendam, Swellendam Dierehospitaal

Dairy: 3

Stillbirths

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

Mpumalanga**Lydenburg, Longtom Dierekliniek**

Beef: 2, Sheep: 2

Free State**Hoopstad, Hoopstad Dierekliniek**

Beef: 3, Sheep: 3

Wesselsbron, Wesselsbron Dierekliniek

Sheep: 2

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

Beef: 2

Pietermaritzburg, Veterinary House Hospital

Goat: 2

Western Cape

Beaufort West, Beaufort West State Vet

Sheep: 2

Negative for Chlamydia. Management/nutritional related

Stellenbosch, Stellenbosch Animal Hospital

Beef: 1

Abscesses

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.7 (6)	2.0 (2)	1.0 (1)	2.5 (4)	2.0 (6)	1.3 (6)	1.5 (2)	2.3 (6)	

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

Beef	1.6 (5)	3.0 (1)		2.5 (2)	2.0 (3)	1.7 (3)		2.0 (1)	
Dairy						1.0 (1)		2.3 (3)	
Sheep	2.0 (1)	1.0 (1)		2.5 (2)	2.0 (3)	1.0 (1)	2.0 (1)	2.5 (2)	
Goat			1.0 (1)			1.0 (1)	1.0 (1)		

Mpumalanga

Bethal, Bethal Dierekliniek

Beef: 1

Grootvlei, Grootvlei Dierekliniek

Beef: 2

Lydenburg, Longtom Dierekliniek

Beef: 2, Sheep: 2

Middelburg, Middelburg Dierehospitaal

Beef: 1

Nelspruit, Nelspruit Animal Hospital

Beef: 2

Gauteng

Bapsfontein, Bapsfontein Dierehospitaal

Sheep: 1

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 3

Limpopo

Polokwane, Pietersburg Veterinary Clinic

Goat: 1

North West

Christiana, Christiana Dierehospitaal

Beef: 3, Sheep: 3

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 2, Sheep: 2

Free State

Clocolan, Clocolan Dierekliniek

Beef: 2

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 2

Wesselsbron, Wesselsbron Dierekliniek

Beef: 1, Sheep: 1

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Pietermaritzburg, Veterinary House Hospital

Beef: 2, Dairy: 1

Pongola, Pongola Animal Clinic

Beef: 1, Sheep: 1, Goat: 1

Eastern Cape

Graaff-Reinet, Camdeboo Veterinary Clinic

Goat: 1

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Sheep: 2

Western Cape

Caledon, Overberg Veterinary Hospital

Sheep: 3

Malmesbury, Invitrotech

Dairy: 3

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 3, Sheep: 2

Riversdale, Riversdal Dierekliniek

Dairy: 1

Abscesses in general

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
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Average	1.3 (3)		1.0 (2)		2.4 (5)	2.0 (2)		2.3 (3)	
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Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef	1.0 (2)		1.0 (1)		2.0 (2)	2.0 (2)		2.0 (1)	
Dairy								3.0 (1)	
Sheep	2.0 (1)				2.7 (3)			2.0 (1)	
Goat			1.0 (1)						

Mpumalanga

Hendrina, Mooiplaas Veterinêre Dienste

Beef: 1, Sheep: 2

Volkswest, Cape Cross Volkswest Dierehospitaal

Beef: 1

Limpopo

Mokopane, Dr Henk Visser

Beef: 1

Polokwane, Pietersburg Veterinary Clinic

Goat: 1

Free State

Bultfontein, Greylingrust Dieresprekkamer

Beef: 1, Sheep: 3

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 2

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2

Ticks

Western Cape

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 3, Sheep: 2

Bladder stones

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

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

Mpumalanga

Volkswest, Cape Cross Volkswest Dierehospitaal

Sheep: 3

Gauteng

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Sheep: 1

Free State

Kroonstad, Kroonstad Dierehospitaal

Sheep: 1

Eastern Cape

Somerset East, Bosberg Veterinary Clinic

Goat: 1

Blindness

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
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Average	1.0 (1)	1.9 (7)	2.0 (1)	1.0 (3)	2.0 (2)
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported					
Beef	1.0 (1)	2.0 (3)	2.0 (1)	1.0 (1)	
Dairy				1.0 (2)	
Sheep		1.8 (4)			2.0 (1)
Goat					2.0 (1)

Mpumalanga

Nelspruit, Nelspruit Animal Hospital

Beef: 1

Free State

Clocolan, Clocolan Dierekliniek

Beef: 1

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Ladybrand, Ladybrand Dierekliniek

Sheep: 1

Senekal, Senekal Dierekliniek

Sheep: 1

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2, Sheep: 2

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Western Cape

Caledon, Overberg Veterinary Hospital

Dairy: 1

Malmesbury, Malmesbury Dierehospitaal

Beef: 1, Dairy: 1

Northern Cape

Postmasburg, Postmasburg Dierekliniek

Sheep: 2, Goat: 2

Bloat

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

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

Beef		2.0 (2)			1.8 (4)	3.0 (1)	1.0 (1)	2.0 (1)	
Dairy				1.0 (1)				2.0 (2)	

Sheep

3.0
(2)

Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 1

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 3

North West

Schweizer-Reneke, Buffeldoorn Dierekliniek SR

Dairy: 1

Free State

Bultfontein, Greylingrust Dieresprekkamer

Beef: 1

Clocolan, Clocolan Dierekliniek

Beef: 2

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Senekal, Senekal Dierekliniek

Beef: 1

Vrede, Saulshoek Dierepraktyk

Sheep: 3

Soya beans

Kwazulu-Natal

Pietermaritzburg, Veterinary House Hospital

Beef: 3

Eastern Cape

Alexandria, Alexandria Platteland Spreekkamer

Beef: 1

Western Cape

Caledon, Overberg Veterinary Hospital

Dairy: 1

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 3

Blood gut (sheep and goat)

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

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

Sheep 1.0 (1)

Goat 1.0 (1)

Gauteng

Hammanskraal, Themba Animal Clinic

Sheep: 1, Goat: 1

Blue udder

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

Average	2.0 (2)	1.8 (8)	1.0 (1)	2.5 (4)
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported				
Dairy			1.0 (1)	
Sheep	2.0 (2)	1.8 (8)		2.5 (4)

Mpumalanga

Lydenburg, Longtom Dierekliniek

Sheep: 2

Volkstrust, Cape Cross Volkstrust Dierehospitaal

Sheep: 2

Free State

Ficksburg, Oosvrystaat Dier Produkte

Sheep: 2

Harrismith, Harrismith Dierehospitaal

Sheep: 1

Kroonstad, Kroonstad Dierehospitaal

Sheep: 2

Senekal, Senekal Dierekliniek

Sheep: 2

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 2

Vrede, Saulshoek Dierpraktyk

Sheep: 2

Vrede, Vrede Dierehospitaal

Sheep: 2

Wesselsbron, Wesselsbron Dierekliniek

Sheep: 1

Kwazulu-Natal

Dundee, Endumeni Herd health

Dairy: 1

Western Cape

Caledon, Overberg Veterinary Hospital

Sheep: 3

Ceres, Ceres Veterinary Hospital

Sheep: 2

Heidelberg (WC), Heidelberg Dierekliniek

Sheep: 2

Swellendam, Swellendam Dierehospitaal

Sheep: 3

Diarrhoea

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)	1.5 (4)		3.0 (7)	2.8 (19)	2.8 (6)	2.0 (1)	1.8 (6)	

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

Beef	1.0 (1)	1.5 (2)		3.0 (3)	2.8 (8)	3.0 (3)		1.5 (2)
Dairy					3.0 (1)			2.0 (3)
Sheep		1.0 (1)		3.0 (4)	2.8 (10)	2.5 (2)	2.0 (1)	2.0 (1)
Goat		2.0 (1)				3.0 (1)		

Mpumalanga

Middelburg , Middelburg Dierehospitaal

Beef: 1

Gauteng

Bapsfontein, Bapsfontein Dierehospitaal

Beef: 1

Hammanskraal, Themba Animal Clinic

Beef: 2, Sheep: 1, Goat: 2

North West

Christiana, Christiana Dierehospitaal

Beef: 3, Sheep: 3

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 3, Sheep: 3

Schweizer-Reneke, Buffeldoorn Dierekliniek SR

Sheep: 3

Feedlot sheep, 2 days after arrival and processing

Ventersdorp, Ventersdorp Dierekliniek

Beef: 3, Sheep: 3

Free State

Bloemfontein, Dr Stephan Wessels

Beef: 3, Sheep: 3

Bultfontein, Greylingrust Dieresprekkamer

Beef: 3, Sheep: 3

Clocolan, Clocolan Dierekliniek

Beef: 2, Dairy: 3, Sheep: 3

Harrismith, Harrismith Dierehospitaal

Sheep: 2

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Ladybrand, Ladybrand Dierekliniek

Beef: 3, Sheep: 3

Reitz, Riemland Dierehospitaal

Beef: 3, Sheep: 3

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 3, Sheep: 3

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2, Sheep: 3

Wesselsbron, Wesselsbron Dierekliniek

Sheep: 2

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 3

Bergville, Tugela Vet Clinic

Beef: 3
 Calves
 Sheep: 3
 Lambs
 Goat: 3
 Kids

Dundee, Endumeni Herd health

Sheep: 2

Pietermaritzburg, Veterinary House Hospital

Beef: 3

Eastern Cape

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Sheep: 2

Western Cape

Malmesbury, Invitrotech

Dairy: 1

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 3, Sheep: 2

Oudtshoorn, Ostrimed

Beef: 1

Calf rearing - severe outbreak of viral diarrhoea complicated by bacterial infection

Swellendam, Swellendam Dierehospitaal

Dairy: 2

Epididymitis

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

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

Sheep					2.0 (1)		2.0 (1)		
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Free State

Bultfontein, Greylingrust Dieresprekkamer

Sheep: 2

Eastern Cape

Somerset East, Bosberg Veterinary Clinic

Sheep: 2

Eye Cancer

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

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

Beef					2.0 (1)				
Dairy					1.5 (4)		2.0 (1)	1.5 (2)	

Free State

Clocolan, Clocolan Dierekliniek

Dairy: 2

Kroonstad, Kroonstad Dierehospitaal

Dairy: 2

Ladybrand, Ladybrand Dierekliniek

Dairy: 1

Senekal, Senekal Dierekliniek

Dairy: 1

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Eastern Cape

Alexandria, Alexandria Platteland Spreekkamer

Dairy: 2

Western Cape

Malmesbury, Malmesbury Dierehospitaal

Dairy: 2

Riversdale, Riversdal Dierekliniek

Dairy: 1

Eye infections

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.9 (7)	2.7 (3)		2.3 (3)	2.1 (21)	1.9 (8)	1.5 (4)	2.2 (5)	

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

Beef	1.8 (5)	3.0 (1)		2.0 (2)	2.2 (11)	2.2 (5)	2.0 (1)	1.5 (2)	
Dairy					2.0 (2)	2.0 (1)		2.5 (2)	
Sheep	2.0 (2)	3.0 (1)		3.0 (1)	2.0 (8)	1.0 (1)	1.5 (2)	3.0 (1)	
Goat		2.0 (1)				1.0 (1)	1.0 (1)		

Mpumalanga

Grootvlei, Grootvlei Dierekliniek

Beef: 2

Hendrina, Mooiplaas Veterinêre Dienste

Beef: 2, Sheep: 1

Lydenburg, Longtom Dierekliniek

Beef: 3, Sheep: 3

Middelburg, Middelburg Dierehospitaal

Beef: 1

Volkswest, Cape Cross Volksrust Dierehospitaal

Beef: 1

Gauteng

Hammanskraal, Themba Animal Clinic

Goat: 2

Magaliesburg, Magaliesburg; Dr Ryan Jeffrey

Beef: 3

Exploding fly infestation

Sheep: 3

North West

Christiana, Christiana Dierehospitaal

Beef: 3

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 1

Schweizer-Reneke, Buffeldoorn Dierekliniek SR

Sheep: 3

Free State

Bloemfontein, Dr Stephan Wessels

Beef: 2

Clocolan, Clocolan Dierekliniek

Beef: 2

Dewetsdorp, Platkop Dierekliniek

Beef: 2

Ficksburg, Oosvrystaat Diere Produkte

Beef: 2, Sheep: 2

Harrismith, Harrismith Dierehospitaal

Beef: 2, Sheep: 1

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 3, Dairy: 2, Sheep: 3

Parys, Parys Dierehospitaal

Beef: 2

Reitz, Riemland Dierehospitaal

Beef: 2, Dairy: 2, Sheep: 2

Senekal, Senekal Dierekliniek

Sheep: 1

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 2, Sheep: 2

Wesselsbron, Wesselsbron Dierekliniek

Beef: 2, Sheep: 2

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 3

Dundee, Endumeni Herd health

Beef: 2, Dairy: 2

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2

Newcastle, Ncanduvet Newcastle

Beef: 1

Pietermaritzburg, Veterinary House Hospital

Beef: 3

Pongola, Pongola Animal Clinic

Sheep: 1, Goat: 1

Eastern Cape

Graaff-Reinet, Camdeboo Veterinary Clinic

Sheep: 1, Goat: 1

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Sheep: 2

Queenstown, Queenstown Veterinary clinic

Beef: 2

Western Cape

Caledon, Overberg Veterinary Hospital

Dairy: 3

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 2

Piketberg, Piketberg Dierehospitaal

Sheep: 3

Young lambs, ophthalmia and conjunctivitis

Stellenbosch, Stellenbosch Animal Hospital

Beef: 1

Joint Ill

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

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

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

Gauteng

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 1

Septic arthritis

North West

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 2, Sheep: 2

Free State

Clocolan, Clocolan Dierekliniek

Beef: 1

Wesselsbron, Wesselsbron Dierekliniek

Sheep: 1

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Underberg, Underberg Veterinary Surgery

Beef: 2

Eastern Cape

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Goat: 1

Western Cape**Malmesbury, Malmesbury Dierehospitaal**

Beef: 2, Dairy: 2

Lameness/Foot Problems

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (5)	2.0 (5)	1.0 (1)	2.6 (5)	2.3 (20)	2.2 (5)	2.0 (1)	2.4 (7)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef	2.0 (2)	2.0 (3)	1.0 (1)	2.5 (2)	2.0 (10)	2.0 (3)		2.0 (1)	
Dairy					2.5 (2)	2.0 (1)		2.5 (6)	
Sheep	2.0 (2)	2.0 (1)		2.7 (3)	2.5 (8)	3.0 (1)	2.0 (1)		
Goat	2.0 (1)	2.0 (1)							

Mpumalanga**Hendrina, Mooiplaas Veterinêre Dienste**

Beef: 1, Sheep: 1

Lydenburg, Longtom Dierekliniek

Beef: 3, Sheep: 3, Goat: 2

Gauteng**Bapsfontein, Bapsfontein Dierehospitaal**

Beef: 2, Sheep: 2

Hammanskraal, Themba Animal Clinic

Beef: 2, Goat: 2

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 2

Limpopo**Mokopane, Dr Henk Visser**

Beef: 1

North West**Christiana, Christiana Dierehospitaal**

Beef: 3, Sheep: 3

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 2, Sheep: 2

Stella, Stella Dierekliniek

Sheep: 3

Free State**Bultfontein, Greylingrust Dierspreekkamer**

Beef: 1, Sheep: 3

Clocolan, Clocolan Dierekliniek

Beef: 3, Dairy: 3, Sheep: 3

Dewetsdorp, Platkop Dierekliniek

Beef: 2, Sheep: 3

Harrismith, Harrismith Dierehospitaal

Sheep: 1

Kroonstad, Kroonstad Dierehospitaal

Beef: 2, Sheep: 3

Ladybrand, Ladybrand Dierekliniek

Beef: 2, Sheep: 2

Parys, Parys Dierehospitaal

Beef: 2

Reitz, Riemland Dierehospitaal

Beef: 2

Senekal, Senekal Dierekliniek

Beef: 2, Dairy: 2, Sheep: 2

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 3, Sheep: 3

Wesselsbron, Wesselsbron Dierekliniek

Beef: 1

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

Beef: 2

Camperdown, Camperdown Vet Clinic

Beef: 1

Pietermaritzburg, Veterinary House Hospital

Beef: 3

Underberg, Underberg Veterinary Surgery

Dairy: 2

Good rains

Sheep: 3

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

Sheep: 2

Western Cape**Caledon, Overberg Veterinary Hospital**

Dairy: 2

Darling, Tygerberg Dierehospitaal Darling

Dairy: 3

Malmesbury, Dr Otto Kriek

Dairy: 2

Higher incidence on farms where regular visits for hoof trimming is neglected because of economic hardship due to low milk prices. Remarkable improvement after hooftrimmers were called in.

Malmesbury, Invitrotech

Dairy: 3

36 cases

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 3

Riversdale, Riversdal Dierekliniek

Dairy: 2

Lung infection									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (7)	1.6 (5)	1.3 (4)	2.6 (5)	2.4 (20)	1.8 (4)	1.0 (1)	2.4 (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	1.8 (4)	2.0 (1)	1.5 (2)	2.7 (3)	2.4 (10)	2.0 (3)	2.0 (1)	
Dairy					2.0 (1)	1.0 (1)	2.8 (4)	
Sheep	2.3 (3)	1.5 (2)	1.0 (1)	2.5 (2)	2.4 (9)		2.0 (2)	2.0 (1)
Goat		1.5 (2)	1.0 (1)			1.0 (1)		

Mpumalanga

Bethal, Bethal Dierekliniek

Beef: 1

Grootvlei, Grootvlei Dierekliniek

Beef: 2, Sheep: 2

Lydenburg, Longtom Dierekliniek

Beef: 2, Sheep: 2

Piet Retief, Pets Vet Hospital

Beef: 2

Volksrust, Cape Cross Volksrust Dierehospitaal

Sheep: 3

Gauteng

Bapsfontein, Bapsfontein Dierehospitaal

Beef: 2, Sheep: 2

Hammanskraal, Themba Animal Clinic

Goat: 2

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Sheep: 1, Goat: 1

Limpopo

Makhado, Blouberg Dierekliniek

Beef: 2

Polokwane, Pietersburg Veterinary Clinic

Beef: 1, Sheep: 1, Goat: 1

North West

Christiana, Christiana Dierehospitaal

Beef: 3, Sheep: 3

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 2, Sheep: 2

Schweizer-Reneke, Buffeldoorn Dierekliniek SR

Beef: 3

Feedlot calves

Free State

Bloemfontein, Dr Stephan Wessels

Beef: 3, Sheep: 3

Bultfontein, Greylingrust Dieresprekkamer

Beef: 1, Sheep: 2

Clocolan, Clocolan Dierekliniek

Beef: 3, Dairy: 2, Sheep: 3

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 2, Sheep: 3

Ladybrand, Ladybrand Dierekliniek

Beef: 3

Parys, Parys Dierehospitaal

Beef: 2

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 3, Sheep: 3

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2, Sheep: 3

Vrede, Saulshoek Dierepraktyk

Beef: 2

Vrede, Vrede Dierehospitaal

Sheep: 1

Wesselsbron, Wesselsbron Dierekliniek

Sheep: 1

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

Beef: 2

Dundee, Endumeni Herd health

Beef: 2, Dairy: 1

Eshowe, Eshowe Veterinary Hospital

Beef: 2

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

Goat: 1

Western Cape**Beaufort West, Beaufort Dierekliniek**

Sheep: 2

Darling, Tygerberg Dierehospitaal Darling

Dairy: 3

Malmesbury, Dr Otto Kriek

Dairy: 3

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 3, Sheep: 2

Riversdale, Riversdal Dierekliniek

Dairy: 2

Northern Cape**Upington, Upington Veeartsenykliniek**

Sheep: 2

Pasteurellosis

Mastitis in general									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.5 (2)		1.0 (3)	3.0 (2)	2.5 (4)	2.3 (3)	2.0 (2)	2.4 (8)	
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)	3.0 (1)	3.0 (2)	2.0 (1)			
Dairy	1.0 (1)				2.0 (1)	2.5 (2)	2.0 (1)	2.4 (8)	
Sheep			1.0 (1)	3.0 (1)	2.0 (1)		2.0 (1)		

Goat

1.0 (1)

Mpumalanga**Hendrina, Mooiplaas Veterinêre Dienste**

Dairy: 1

Lydenburg, Longtom Dierekliniek

Beef: 2

Limpopo**Polokwane, Pietersburg Veterinary Clinic**

Beef: 1, Sheep: 1, Goat: 1

North West**Christiana, Christiana Dierehospitaal**

Beef: 3, Sheep: 3

Free State**Bloemfontein, Dr Stephan Wessels**

Beef: 3

Clocolan, Clocolan Dierekliniek

Dairy: 2

Hoopstad, Hoopstad Dierekliniek

Sheep: 2

Parys, Parys Dierehospitaal

Beef: 3

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

Beef: 2

Pongola, Pongola Animal Clinic

Dairy: 2

Underberg, Underberg Veterinary Surgery

Dairy: 3

Eastern Cape**Alexandria, Alexandria Platteland Spreekkamer**

Dairy: 2

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Sheep: 2

Western Cape**Caledon, Overberg Veterinary Hospital**

Dairy: 2

Darling, Tygerberg Dierehospitaal Darling

Dairy: 2

George, Dr Mark Chimes

Dairy: 3

Heidelberg (WC), Heidelberg Dierekliniek

Dairy: 2

Malmesbury, Dr Otto Kriek

Dairy: 1

Malmesbury, Invitrotech

Dairy: 3

51 new cases

Malmesbury, Malmesbury Dierehospitaal

Dairy: 3

Swellendam, Swellendam Dierehospitaal

Dairy: 3

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)		2.0 (1)	

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

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

Mpumalanga

Lydenburg, Longtom Dierekliniek

Beef: 2

Free State

Ficksburg, Oosvrystaat Diere Produkte

Sheep: 1

Kwazulu-Natal

Underberg, Underberg Veterinary Surgery

Beef: 2, Sheep: 2

Western Cape

Malmesbury, Malmesbury Dierehospitaal

Dairy: 2

Red gut (Sheep)



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

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

Sheep								2.0 (1)	2.0 (1)
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Western Cape

Malmesbury, Malmesbury Dierehospitaal

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	1.0 (1)							2.0 (1)	

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

Beef	1.0 (1)								
Dairy								2.0 (1)	

Mpumalanga

Grootvlei, Grootvlei Direkliniek

Beef: 1

Western Cape

Malmesbury, Invitrotech

Dairy: 2

8 cases fell on cement

Downer

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)	1.5 (2)	1.8 (4)	2.0 (1)	2.0 (1)	2.3 (3)	2.5 (2)

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

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

Mpumalanga

Volkstrust, Cape Cross Volksrust Dierhospitaal

Beef: 2

Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 1

Limpopo

Mokopane, Dr Henk Visser

Beef: 1

North West

Brits, Brits Direkliniek

Dairy: 2

Schweizer-Reneke, Buffeldoorn Direkliniek SR

Beef: 1

Free State

Dewetsdorp, Platkop Direkliniek

Beef: 2

Kroonstad, Kroonstad Dierhospitaal

Beef: 1, Dairy: 2

Wesselsbron, Wesselsbron Direkliniek

Beef: 2

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Eastern Cape

Alexandria, Alexandria Platteland Spreekkamer

Dairy: 2

Western Cape**Caledon, Overberg Veterinary Hospital**

Dairy: 2, Sheep: 2

Malmesbury, Invitrotech

Dairy: 3

19 cases

Northern Cape**Postmasburg, Postmasburg Dierekliniek**

Beef: 2

Upington, Upington Veeartsenykliniek

Beef: 3

Severe drought conditions, north of Van Zyls Rust. Many animals euthenazed, unable to stand

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)	
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North West**Christiana, Christiana Dierehospitaal**

Beef: 2

Western Cape**Darling, Tygerberg Dierehospitaal Darling**

Beef: 1

Other

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average		1.0 (1)	1.0 (1)		1.0 (1)			2.5 (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)						
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Dairy								3.0 (1)	
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Sheep					1.0 (1)			2.0 (1)	
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Gauteng**Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic**

Beef: 1

Sinusitis, post dehorning

Limpopo**Bela Bela, Artemis Veterinary Services**

Beef: 1

Acute death in a cow

Free State**Vrede, Vrede Dierehospitaal**

Sheep: 1

*Schistosomus reflexus***Western Cape****Darling, Tygerberg Dierehospitaal Darling**

Sheep: 2

Rectal prolaps

Malmesbury, Invitrotech

Dairy: 3

Mortalities

Vestubular syndrome (Middle ear infection)

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

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

Beef						1.0 (1)			
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Kwazulu-Natal**Pietermaritzburg, Veterinary House Hospital**

Beef: 1

Metabolic Diseases**Acidosis**

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average		1.0 (1)	1.0 (2)	1.0 (1)	1.8 (5)	2.0 (1)	2.0 (2)	2.2 (5)	

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

Beef		1.0 (1)	1.0 (2)		1.7 (3)			2.0 (1)	
Dairy						2.0 (1)		3.0 (1)	
Sheep				1.0 (1)	2.0 (2)		2.0 (2)	2.0 (3)	

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

Beef: 1

Limpopo**Polokwane, Pietersburg Veterinary Clinic**

Beef: 1

Vaalwater, Vaalwater Dieresprekkamer

Beef: 1

Cow

North West**Brits, Brits Dierekliniek**

Sheep: 1

Free State**Hoopstad, Hoopstad Dierekliniek**

Beef: 1

Kroonstad, Kroonstad Dierehospitaal

Sheep: 2

Memel, Memel Veterinary Clinic

Beef: 2

Reitz, Riemland Dierehospitaal

Beef: 2

Vrede, Saulshoek Dierepraktyk

Sheep: 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

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 3, Sheep: 2

Piketberg, Piketberg Dierehospitaal

Sheep: 3

Acidosis in ewes, given grain as additional feed, overeating.

Displaced abomasum

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

Dairy						2.0 (1)	1.0 (1)	2.0 (1)	
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Kwazulu-Natal**Dundee, Endumeni Herd health**

Dairy: 2

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

Dairy: 1

Western Cape**Malmesbury, Malmesbury Dierehospitaal**

Dairy: 2

Ketosis

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

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

Gauteng

Bapsfontein, Bapsfontein Dierehospitaal

Sheep: 1

Free State

Hoopstad, Hoopstad Dierekliniek

Sheep: 3

Memel, Memel Veterinary Clinic

Sheep: 1

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 2

Eastern Cape

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Sheep: 2

Western Cape

Caledon, Overberg Veterinary Hospital

Sheep: 2

Malmesbury, Malmesbury Dierehospitaal

Dairy: 3, Sheep: 2

Vredenburg, Vredenburg Dierehospitaal

Sheep: 2

Milk Fever



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

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

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

Mpumalanga

Lydenburg, Longtom Dierekliniek

Dairy: 1

Gauteng**Hammanskraal, Themba Animal Clinic**

Dairy: 1

Free State**Ladybrand, Ladybrand Dierekliniek**

Dairy: 1

Reitz, Riemland Dierehospitaal

Dairy: 2

Wesselsbron, Wesselsbron Dierekliniek

Beef: 2

Western Cape**George, George Animal Hospital**

Dairy: 3

Heidelberg (WC), Heidelberg Dierekliniek

Dairy: 1

Malmesbury, Malmesbury Dierehospitaal

Dairy: 3, Sheep: 2

Stellenbosch, Stellenbosch Animal Hospital

Beef: 1

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)	1.5 (2)	1.5 (4)	2.5 (6)	1.8 (18)	2.0 (11)	2.0 (1)	1.8 (12)	2.0 (1)

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

Beef	2.0 (4)		1.7 (3)	2.5 (4)	1.8 (10)	2.1 (7)		1.5 (4)	2.0 (1)
Dairy					1.7 (3)	2.0 (1)	2.0 (1)	1.8 (6)	
Sheep	1.7 (3)	1.0 (1)	1.0 (1)	2.5 (2)	2.0 (5)	2.0 (2)		2.0 (2)	
Goat		2.0 (1)				1.0 (1)			

Mpumalanga**Bethal, Bethal Dierekliniek**

Beef: 2, Sheep: 2

Grootvlei, Grootvlei Dierekliniek

Beef: 2, Sheep: 1

Lydenburg, Longtom Dierekliniek

Beef: 2, Sheep: 2

Middelburg, Middelburg Dierehospitaal

Beef: 2

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

Sheep: 1, Goat: 2

Limpopo

Modimolle, Kranskop Dierekliniek

Beef: 2

Six cases

Sheep: 1

Mokopane, Dr Henk Visser

Beef: 1

Polokwane, Pietersburg Veterinary Clinic

Beef: 2

North West**Christiana, Christiana Dierehospitaal**

Beef: 3, Sheep: 3

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 2, Sheep: 2

Stella, Stella Dierekliniek

Beef: 3

Ventersdorp, Ventersdorp Dierekliniek

Beef: 2

Free State**Bloemfontein, Dr Stephan Wessels**

Beef: 2

Bultfontein, Greylingrust Dierespreekkamer

Beef: 1

Clocolan, Clocolan Dierekliniek

Beef: 2, Dairy: 2, Sheep: 2

Ficksburg, Oosvrystaat Diere Produkte

Beef: 2, Dairy: 1

Harrismith, Harrismith Dierehospitaal

Sheep: 2

Hoopstad, Hoopstad Dierekliniek

Beef: 2, Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 2, Dairy: 2

Memel, Memel Veterinary Clinic

Beef: 1, Sheep: 1

Reitz, Riemland Dierehospitaal

Beef: 2

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2, Sheep: 2

Wesselsbron, Wesselsbron Dierekliniek

Beef: 2

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

Beef: 3

Camperdown, Camperdown Vet Clinic

Beef: 2, Sheep: 1, Goat: 1

Dundee, Endumeni Herd health

Beef: 1

Estcourt, Estcourt Vet Clinic

Beef: 1, Dairy: 2

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2

Newcastle, Ncanduvet Newcastle

Beef: 3

Underberg, Underberg Veterinary Surgery

Beef: 3, Sheep: 3

Eastern Cape**Alexandria, Alexandria Platteland Spreekkamer**

Dairy: 2

Western Cape**Caledon, Caledon Dierekliniek**

Beef: 1

Caledon, Overberg Veterinary Hospital

Beef: 1, Dairy: 2, Sheep: 2

Darling, Tygerberg Dierehospitaal Darling

Dairy: 2

Malmesbury, Invitrotech

Dairy: 2

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 2, Sheep: 2

Stellenbosch, Stellenbosch Animal Hospital

Beef: 2, Dairy: 1

Swellendam, Swellendam Dierehospitaal

Dairy: 2

Northern Cape**Postmasburg, Postmasburg Dierekliniek**

Beef: 2

Endometritis

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average					2.0 (2)			2.5 (6)	

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

Beef								2.0 (1)	
Dairy					2.0 (2)			2.6 (5)	

Free State**Clocolan, Clocolan Dierekliniek**

Dairy: 2

Kroonstad, Kroonstad Dierehospitaal

Dairy: 2

Western Cape**Caledon, Caledon Dierekliniek**

Dairy: 3

Caledon, Overberg Veterinary Hospital

Dairy: 2

Heidelberg (WC), Heidelberg Dierekliniek

Dairy: 3

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 3

Swellendam, Swellendam Dierehospitaal

Dairy: 2

Metritis

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

Mpumalanga

Lydenburg, Longtom Dierekliniek

Beef: 1

North West

Christiana, Christiana Dierehospitaal

Beef: 3, Sheep: 3

Free State

Bloemfontein, Dr Stephan Wessels

Beef: 2

Clocolan, Clocolan Dierekliniek

Dairy: 1

Parys, Parys Dierehospitaal

Beef: 2

Kwazulu-Natal

Underberg, Underberg Veterinary Surgery

Beef: 3

Eastern Cape

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Sheep: 2

Western Cape

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	2.0 (1)		1.5 (2)	2.0 (2)	2.2 (5)	2.3 (3)	3.0 (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	2.0 (1)	1.5 (2)	2.0 (1)	2.5 (4)	2.3 (3)	3.0 (1)	2.0 (1)
Dairy				1.0 (1)			2.0 (2)
Sheep			2.0 (1)			3.0 (1)	

Mpumalanga

Middelburg , Middelburg Dierehospitaal

Beef: 2

Limpopo

Mokopane, Dr Henk Visser

Beef: 1

Polokwane, Pietersburg Veterinary Clinic

Beef: 2

North West

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 2, Sheep: 2

Free State

Clocolan, Clocolan Dierekliniek

Beef: 2

Harrismith, Harrismith Dierehospitaal

Beef: 3

Kroonstad, Kroonstad Dierehospitaal

Dairy: 1

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2

Vrede, Saulshoek Dierepraktyk

Beef: 3

Trichomonosis

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Dundee, Endumeni Herd health

Beef: 2

Underberg, Underberg Veterinary Surgery

Beef: 3

Eastern Cape

Steynsburg, Steynsburg Dierehospitaal

Beef: 3, Sheep: 3

Western Cape

Malmesbury, Dr Otto Kriek

Dairy: 2

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 2

Retained afterbirth ^

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.3 (4)				2.0 (4)	2.0 (1)	2.0 (2)	1.6 (5)	

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

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

Mpumalanga

Grootvlei, Grootvlei Dierekliniek

Beef: 1

Hendrina, Mooiplaas Veterinêre Dienste

Beef: 1

Lydenburg, Longtom Dierekliniek

Beef: 2, Sheep: 1

Free State

Bloemfontein, Dr Stephan Wessels

Beef: 2

Clocolan, Clocolan Dierekliniek

Beef: 2

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2, Sheep: 2

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Eastern Cape

Somerset East, Bosberg Veterinary Clinic

Dairy: 2

Steynsburg, Steynsburg Dierehospitaal

Dairy: 2

Western Cape

Darling, Tygerberg Dierehospitaal Darling

Dairy: 1

Heidelberg (WC), Heidelberg Dierekliniek

Dairy: 2

Malmesbury, Dr Otto Kriek

Dairy: 1

Malmesbury, Malmesbury Dierehospitaal

Dairy: 3

Stellenbosch, Stellenbosch Animal Hospital

Beef: 1

Sheath Prolaps

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

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

Beef	1.7 (3)	1.5 (2)
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Free State

Hoopstad, Hoopstad Dierekliniek

Beef: 2

Kroonstad, Kroonstad Dierehospitaal

Beef: 1

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Mtubatuba, Mtubatuba Animal Clinic

Beef: 1

Uterus prolaps

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.3 (6)		1.0 (1)		1.6 (8)	1.5 (2)	1.0 (1)	1.4 (5)	

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

Beef	1.0 (3)		1.0 (1)		1.7 (3)	1.5 (2)		1.0 (1)	
Dairy							1.0 (1)	1.7 (3)	
Sheep	1.7 (3)				1.6 (5)			1.0 (1)	

Mpumalanga

Bethal, Bethal Dierekliniek

Beef: 1, Sheep: 2

Hendrina, Mooiplaas Veterinêre Dienste

Beef: 1

Lydenburg, Longtom Dierekliniek

Beef: 1, Sheep: 2

Volkswest, Cape Cross Volkswest Dierehospitaal

Sheep: 1

Limpopo

Polokwane, Pietersburg Veterinary Clinic

Beef: 1

Free State

Clocolan, Clocolan Dierekliniek

Beef: 2

Ficksburg, Oosvrystaat Dier Produkte

Beef: 1

Harrismith, Harrismith Dierehospitaal

Sheep: 1

Hoopstad, Hoopstad Dierekliniek

Sheep: 3

Philippolis, Rowelsfontein veearts Spreekkamer

Sheep: 1

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2, Sheep: 2

Wesselsbron, Wesselsbron Dierekliniek

Sheep: 1

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Dundee, Endumeni Herd health

Beef: 1

Eastern Cape

Somerset East, Bosberg Veterinary Clinic

Dairy: 1

Western Cape

Caledon, Overberg Veterinary Hospital

Dairy: 2

Heidelberg (WC), Heidelberg Dierekliniek

Dairy: 1, Sheep: 1

Malmesbury, Malmesbury Dierehospitaal

Dairy: 2

Stellenbosch, Stellenbosch Animal Hospital

Beef: 1

Vaginal (Cervical) prolaps

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (1)	1.0 (2)	1.0 (1)	1.0 (2)	1.6 (13)	1.7 (3)		1.7 (3)	1.0 (1)

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

Beef		1.0 (2)	1.0 (1)	1.0 (1)	1.5 (6)	2.0 (2)			1.0 (1)
Dairy						1.0 (1)		1.5 (2)	
Sheep	2.0 (1)			1.0 (1)	1.7 (7)			2.0 (1)	

Mpumalanga

Lydenburg, Longtom Dierekliniek

Sheep: 2

Gauteng

Bapsfontein, Bapsfontein Dierehospitaal

Beef: 1

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 1

Limpopo

Polokwane, Pietersburg Veterinary Clinic

Beef: 1

North West

Schweizer-Reneke, Buffeldoorn Dierekliniek SR

Beef: 1, Sheep: 1

Free State

Bultfontein, Greylingrust Dieresprekkamer

Sheep: 1

Clocolan, Clocolan Dierekliniek

Beef: 2

Harrismith, Harrismith Dierehospitaal

Beef: 1, Sheep: 1

Hoopstad, Hoopstad Dierekliniek

Beef: 1, Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Sheep: 2

Memel, Memel Veterinary Clinic

Sheep: 2

Reitz, Riemland Dierehospitaal

Beef: 2

Senekal, Senekal Dierekliniek

Beef: 1

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2, Sheep: 2

Wesselsbron, Wesselsbron Dierekliniek

Sheep: 1

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

Beef: 2

Estcourt, Estcourt Vet Clinic

Dairy: 1

Pietermaritzburg, Veterinary House Hospital

Beef: 2

Western Cape**Caledon, Overberg Veterinary Hospital**

Dairy: 2, Sheep: 2

Stellenbosch, Stellenbosch Animal Hospital

Dairy: 1

Northern Cape**Postmasburg, Postmasburg Dierekliniek**

Beef: 1

Climatical Cause**Cold exposure**

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

Free State**Bloemfontein, Dr Stephan Wessels**

Sheep: 1

Harrismith, Harrismith Dierehospitaal

Sheep: 3

Kwazulu-Natal

Pietermaritzburg, Veterinary House Hospital

Goat: 1

Western Cape

Beaufort West, Beaufort Dierekliniek

Sheep: 1

Riversdale, Riversdal Dierekliniek

Sheep: 2

Drought

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

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

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

Eastern Cape

Steynsburg, Steynsburg Dierehospitaal

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

Northern Cape

De Aar, De Aar Veterinary Clinic

Sheep: 3

Drought towards western areas - Britstown, Carnarvon

Postmasburg, Postmasburg Dierekliniek

Beef: 3, Sheep: 3, Goat: 3

Upington, Upington Veeartsenykliniek

Beef: 3

Severe drought, economy severely depressed, emergency situation.

Sheep: 3, Goat: 3

Lightning

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

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

Beef				1.0 (1)	2.0 (5)	1.7 (3)	1.0 (1)		
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North West

Christiana, Christiana Dierehospitaal

Beef: 1

Free State**Clocolan, Clocolan Dierekliniek**

Beef: 2

Kroonstad, Kroonstad Dierehospitaal

Beef: 3

Memel, Memel Veterinary Clinic

Beef: 2

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2

Wesselsbron, Wesselsbron Dierekliniek

Beef: 1

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

Beef: 2

Dundee, Endumeni Herd health

Beef: 2

Newcastle, Ncanduvet Newcastle

Beef: 1

Eastern Cape**Queenstown, Queenstown Veterinary clinic**

Beef: 1

Frozen to death

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**Clocolan, Clocolan 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		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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Gauteng

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 1

Acute death

Preditors

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average		1.0 (4)			2.3 (8)				

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

Beef		1.0 (1)			1.5 (2)				
Sheep		1.0 (1)			2.5 (6)				
Goat		1.0 (2)							

Gauteng**Hammanskraal, Themba Animal Clinic**

Goat: 1

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 1

Laceration, dog bite

Sheep: 1

Laceration, dog bite

Goat: 1

Laceration, dog bite

Free State**Clocolan, Clocolan Dierkliniek**

Beef: 2, Sheep: 3

Ficksburg, Oosvrystaat Diere Produkte

Beef: 1, Sheep: 3

Harrismith, Harrismith Dierehospitaal

Sheep: 2

Philippolis, Rowelsfontein veearts Spreekkamer

Sheep: 2

Villiers, Wilgepoort Dierkliniek Vennootskap

Sheep: 3

Vrede, Saulshoek Dierpraktyk

Sheep: 2

Sabotage - Theft

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average		1.0 (2)			2.8 (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

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

Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 1, Goat: 1

Free State

Clocolan, Clocolan Dierekliniek

Beef: 3, Sheep: 3

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2, Sheep: 3

Eastern Cape

Steynsburg, Steynsburg Dierehospitaal

Sheep: 2

Trauma

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

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

Beef	1.0 (1)								
Dairy	1.0 (1)								
Sheep					1.0 (1)				
Goat		1.0 (1)							

Mpumalanga

Bethal, Bethal Dierekliniek

Beef: 1, Dairy: 1

Gauteng

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Goat: 1

Fractures

Free State

Harrismith, Harrismith Dierehospitaal

Sheep: 1