

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

March 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 (129) submitted reports during March 2019:

Mpumalanga (11)

Balfour – Dr. Louis van Jaarsveld
Bethal – Dr. Hardus Pieters
Ermelo – Dr. Ben Potgieter
Groblersdal – Drs. Steenkamp and Fourie
Grootvlei – Dr. Neels van Wyk
Karino – Dr. Silke Pfitzer
Lydenburg – Dr. Marietjie Malan
Middelburg – Drs. Erasmus, Malan and Bernitz
Nelspruit – Dr. André Beytel
Standerton – Dr. Kobie Kroon
Volkstrust – Dr. Johan Blaauw

Gauteng (8)

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

Stella - Dr. Magdaleen Vosser

Ventersdorp/ Koster –Drs. Benadé and Van der Merwe

Vryburg – Dr. Jurie Kritzinger

Free State (24)

Bethlehem – Dr. JC du Plessis

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 and Coetzer

Frankfort - Drs. Lessing, Cilliers and Janse van Rensburg

Harrismith – Drs. Slabber and Reynolds

Hoopstad – Dr. Kobus Pretorius

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

Memel – Drs. Nixon and Nixon

Parys – Drs. Wessels and Wessels

Philippolis – Dr. Stephan Vermeulen

Reitz - Dr. Murray Smith

Reitz – dr. Andreis Fourie

Senekal – Dr. Jan Blignaut
Smithfield – Dr. Nienke van Hasselt
Viljoenskroon – Dr. Johan Kahts
Vrede – Drs. Myburgh and Bester-Cloete
Vrede – Dr. Rudolph Fourie
Wesselsbron – Dr. Johan Jacobs
Winburg – Drs. Albertyn and Albertyn
Zastron – Drs. Troskie and Strauss

KwaZulu-Natal (15)

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
Howick – Drs. Hughes, Lund, Goron, Allison, Ortmann, Otterman and Myles
Kokstad/Elliot Drs. Clowes and Shrives
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
Vryheid – Drs. Theron and Theron

Eastern Cape (15)

Alexandria - Dr. Johan Olivier
Alexandria – Dr. Charlene Boy
Aliwal North – Drs. Troskie and Strauss
Bathurst – Dr. Jane Pistorius
Cofimvaba – Dr. Werner Wentzel
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
Kareedouw – Dr. Marten Bootsma
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 (20)

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
Vredenburg – Dr. Izak Rust
Wellington – Dr. Van Zyl and Louw
Worcester - Dr. Kobus Rabe

Northern Cape (8)

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

Feedlots (2)

Dr. Andy Hentzen
Drs. Morris and Du Preez

Laboratory reports (6)

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

Dr. Mark Chimes – Dairy Standards, George
Queenstown Provincial Laboratory

Summary

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

There have been no new cases of FMD detected in the disease management area declared in Limpopo in the last ten weeks and thus, three incubation periods have lapsed. Intensive surveillance demonstrated that the virus did not spread and that the outbreak has been contained.



**agriculture,
forestry & fisheries**

Department:
Agriculture, Forestry and Fisheries
REPUBLIC OF SOUTH AFRICA



MEDIA STATEMENT

17 April 2019

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

It has been 14 weeks since the first case of the foot-and-mouth disease (FMD) outbreak in the high surveillance area of South Africa's FMD free zone was detected. South Africa lost its World Organization for Animal Health (OIE) recognised FMD-free Zone Without Vaccination Status on 7 January 2019.

Status of the outbreak

There have been no new cases of FMD detected in the disease management area declared in Limpopo in the last ten weeks and thus, three incubation periods have lapsed. Intensive surveillance demonstrated that the virus did not spread and that the outbreak has been contained.

Foot-and-mouth disease free zone status

Strict movement controls remain in place in the disease management area and everyone is encouraged to adhere to these regulations even though roadblocks will most likely be discontinued by the end of April 2019. No animals may move into, out of, through or inside the disease management area without state veterinary approval. No unprocessed animal products of cloven-hooved animals are allowed out of the disease management area without the necessary state veterinary permits. These movement controls will remain in place for the next few months, until the outbreak can be fully resolved. A full animal identification and traceability system is being put in place for all vaccinated animals in the previously free zone part of the disease management area. The submission to the OIE Technical Committee for a containment zone is being prepared, though there are challenges beyond our control, we plan to still submit, albeit later than anticipated.

Opening countries for export

Trade has resumed for commodities considered safe by the OIE. The Department of Agriculture, Forestry and Fisheries (DAFF) has successfully negotiated the revision of veterinary health certificates for beef to Bahrain, Lesotho, Mozambique, Egypt, Qatar, Jordan, Swaziland, Seychelles, Kuwait and the United Arab Emirates; and for game (venison produced before 5 December 2019) to Namibia.

Trade in pork from foot-and-mouth disease free pig compartments has been re-opened to Lesotho, Seychelles, Mozambique, Swaziland, Namibia (partially).

The markets for dairy products have largely been restored; while the market for the export of wool to Egypt has been opened. The trade task team is working hard to open trade channels for these commodities that are still not trading freely, which mainly include wool, mohair, and hides (for leather production).

Negotiations still underway include: Namibia (for beef); Botswana (for pork); Egypt (for hides, skin); Malaysia (for hides, skin and wool).

The department thanks all farmers, industries, other government institutions and colleagues that are working with Veterinary Services to resolve the current situation. More funding is still required to finally resolve the situation, and for implementation of a more sustainable FMD Control Strategy.

For more information, contact:

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E-mail: ZweliS@daff.gov.za

Click on the pdf below to see the update on the foot and mouth disease spill over in the Vembe district in the Limpopo province.

<http://nahf.co.za/wp-content/uploads/2019-04-01-FMD-update-report.pdf>

A summary of the most important diseases and conditions that were reported during the month of March 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 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 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.

External parasites

An increase in tick, fly, mosquito and midge numbers were reported from many areas. As they 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. Corridor disease was reported from KZN. Tick toxicosis (sweating sickness) caused by the bont-legged tick was reported from six provinces. Consult your veterinarian on control programmes.

Insect transmittable diseases

An increase in the 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.

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, listeriosis, *Fusibacterium necrophorum*, septicaemia, *E. coli*, enzootic abortion, lumpy wool, Senkobo disease and pasteurellosis.

Viral diseases

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

Other viral diseases that were reported are rabies incattle, BVD and EBL (immune suppression), IBR, orf, warts and herpes mammillitis.

Ringworm was reported from 7 provinces.

Toxicities that were reported are: slangkop, ink berry, *Cynanchum*, facial eczema, *Lantana*, prussic acid, *Senecio*, geeldikkop, vermeersiekte, Kikuyu, mycotoxicosis, 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 will be a severe constraint in winter.

Multifactorial conditions

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

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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 bepalinge maar stipuleer ook spesifieke beheermaatreëls vir seker diersiektes soos brucellose.

Vee Eienaars moet sekere mense inlig oor siektes

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

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

al sy bure;

alle voornemende kopers;

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

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

Voorkomende maatreëls wat wetlik vereis word

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

Diere mag slegs getoets word deur 'n staatsveearts of -beampte of deur 'n privaatveearts. Dit is nie op die oomblik verpligtend dat alle beeste getoets moet word nie, maar dit word aanbeveel en mag moontlik in die toekoms vereis word. In spesifieke gevalle mag die Direkteur van 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 potensiëel besmet is, moet ook op die voorgeskrewe manier ontsmet word.

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

Rol van die Staat

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

Vrywillige toetsprogramme

Die 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 Diergesondheidsforum

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

VENDOR DECLARATION BOVINE BRUCELLOSIS

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

1	The cattle for sale are clearly and permanently identified		Yes	No
2	The cattle for sale/slaughter were born on my farm		Yes	No
3	The farm has a closed herd policy i.e. I do not buy in cattle, rent out grazing or speculate with cattle		Yes	No
4	I practice bio-security on my farm to a level that is **	Poor	Moderate	Good
5	I vaccinate my heifer calves against Bovine Brucellosis once between the ages of 4 – 8 months		Yes	No

6	In addition, I vaccinate my cattle older than 8 months with RB51		Yes	No
7	I have all the cattle on my farm tested for Bovine Brucellosis		Yes (date)	No
8	My herd has been tested negative within the past year		Yes	No
9	I did not buy in cattle since my last negative brucellosis test		Yes	No
10	I/my vet investigates any abortions on my farm		Yes	No
11	To the best of my knowledge, my immediate neighbours and farms in my area are free of Bovine Brucellosis		Yes	No
12	I use a veterinarian to advise me on my cattle's herd health		Yes	No
13	The cattle handling facilities on my farm are	Poor	Average	Good

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

Owner or authorised representative:

Signature:

Date:

**** * Biosecurity**

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

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

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

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

OVINE JOHNE'S DISEASE VENDOR DECLARATION

ON THE SALE OF SHEEP

(Updated Draft May 2015)

- | | | |
|--|------------|-----------|
| 1. I hereby declare that I am the owner or authorised representative of the sheep on sale and am competent to make this declaration. | 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:



UNIVERSITEIT VAN PRETORIA
UNIVERSITY OF PRETORIA
UNIVERSITAT VA PRETORIA



RUVASA
Rural Veterinary Association of South Africa



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 March 2019

129 Reports from veterinary practices and laboratories were received (Mpumalanga (MP) 11; Gauteng (G) 8; Limpopo (L) 9; Northwest (NW) 11; Free State (FS) 24; KwaZulu-Natal (KZN) 15; Eastern Cape (EC) 15; Western Cape (WC) 20; Northern Cape (NC) 8; Feedlots (FL) 2 and Laboratories (Lab) 6).

Key message

Foot and mouth overspill in Limpopo – lost our Foot and mouth disease free status. Working full out to regain our free status. Bring your part to comply to movement control.

Test and vaccinate animals for Bovine brucellosis.

Late rains rains have fallen in many areas – increase in internal parasites, ticks and insects.

Increase in African and Asiatic red water, heartwater, anaplasmosis, blue tongue, lumpy skin disease, ephemeral fever.

Be prepared for Rift Valley Fever outbreak!!!!!!!

Huge African Horse Sickness outbreak

Be prepared for winter – lack of roughage – read article by Prof. H.O. de Waal.

Update vaccination programmes – consult your veterinarian.

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

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

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.1.1.0110.2885.9850..16402...0.0..0.708.5719.2-4j4j3j2j1.....0....1..gws-wiz-img.....0.o66yefU7Ric

Prevention of Cryptosporidiosis

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

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

Ensure no nutritional deficiencies especially vitamin A and Selenium

Excellent bio-security

Ensure clean pathogen free water sources

Hygiene training of personnel

Consult your veterinarian

External parasites

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

External parasites	MP	G	L	NW	FS	KZN	EC	WC	NC
Blue ticks	x	x	x	x	x	x	x	x	
Resistant blue ticks					x	x			
Heartwater ticks	x	x	x	x		x			
Brown ear-ticks	x	x	x	x	x	x			
Bont-legged ticks	x	x	x	x	x	x			x
Red-legged ticks	x	x		x	x				
Paralysis ticks								x	
Tampans									
Biting lice				x	x				x
Sucking lice									x
Itch mites									
Sheep scab									
Mange mites	x				x				
Nuisance flies	x			x	x	x	x	x	
Midges	x	x		x	x	x	x	x	
Mosquitoes			x	x	x	x	x	x	
Blowflies			x	x	x		x	x	
Screw-worm	x		x		x				
Geddoelstia (uitpeuloogsiekte)									
Nasal bot	x	x			x		x		

Increase in tick infestations were reported from most provinces. Blue ticks (African and Asiatic blue ticks) are able to transmit red water, anaplasmosis and lumpy skin disease.

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

Sweating sickness		X	X	X	X	X			X
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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	X	X	
Blue tongue	X	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!

Blackquarter	X		X	X	X	X	X	X	X
Botulism			X	X		X		X	
Pulpy kidney	X	X	X	X	X		X	X	X
Lamb dysentery							X		
Swelled head		X						X	
Red gut (cattle)	X	X			X	X			
Blood gut (sheep)				X	X		X	X	
Tetanus					X		X		
Salmonellosis	X	X			X	X		X	
<i>Klebsiella</i>									
Bovine brucellosis			X	X	X		X	X	
<i>Brucella melitensis</i> (goats)									
Ovine brucellosis (Ram's disease)					X		X	X	
Bovine tuberculosis									
Johne's					X			X	
Leptospirosis									
Listeriosis					X				
<i>Pseudomonas</i>									
<i>Fusibacterium necrophorum</i>					X			X	
Septicaemia	X				X	X			
<i>E. coli</i>	X			X	X	X	X		X
Enzootic abortion	X	X			X			X	
Lumpy wool	X								
Bovine dermatophilosis (Senkobo disease)		X			X	X			

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

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		X	

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

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

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

For further information on treatment of tulip 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
Protein		X						X	X
Phosphate				X	X			X	X
Calcium		X		X	X		X	X	

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

Drought conditions are still present in many areas!

Winter is 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 mikrovertering en hersirkulasie van stikstof en is in staat om energie uit laegraadse ruvoer (vesel) te ontsluit – hierdie eienskap moet maksimaal benut word deur ook die regte aanvulling (stikstof of proteïen) te verskaf.

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

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

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

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

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

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

Geskryf deur: Dr. Kobus Swart, PhD; Pr. Sci. Nat, 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									
Copper						x		x	
Zinc							x		
Selenium		x		x					
Magnesium							x		
Manganese							x		
Vitamin A				x					
Vitamin B 1									

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	
Stillbirths		x		x	x	x			
Abscesses	x	x	x	x	x	x	x	x	x
Intestinal ulcers									
Bladder stones –urolithiasis	x				x		x		
Blindness					x		x	x	
Bloat		x			x			x	
Blue udder	x	x		x	x			x	
Diarrhoea	x	x		x	x	x	x	x	x
Epididymitis		x			x	x	x	x	
Eye cancer									
Eye infections	x	x	x	x	x	x	x	x	x
Joint ill	x	x	x	x	x	x	x	x	x
Cystitis									x
Lameness/foot problems	x	x	x	x	x	x	x	x	
Lung infection	x	x	x	x	x	x	x	x	x
Mastitis	x	x	x	x	x	x	x	x	
Navel ill	x				x	x		x	x

Umbilical hernia									
Red gut (sheep, torsion of gut)								x	
Rectal prolaps									
Rumen stasis									
Swelsiekte									
Traumatic reticulo-pericarditis	x						x	x	
Trauma	x	x			x	x			x
Teeth wear									
Plastic bags (ingestion)									
Downer	x	x	x	x	x	x		x	x
Anaphylactic shock									
Vestibular syndrome (middle ear infection)									
Hernia									
Deformaties									

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

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

Pneumonia and lameness (foot conditions) are wide spread.

Metabolic diseases

The following diseases were reported by practices in the provinces:

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

Milk fever	X				X	X		X	
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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
Endometritis		X			X	X	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	X
Sheath prolaps		X	X		X	X		X	
Uterine prolaps	X		X	X	X	X		X	X
Vaginal prolaps	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									
Frozen to death									
Heat stress				X					

Lightning	X				X	X	X		
Electrocution									
Drought			X	X	X			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				
Trauma (fractures etc)		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

George – Dr. Mark Chimes

Karino – Dr. Silke Pfitzer

Nigel – Cindy van der Westhuizen

Beestekraal – Dr. Alwyn Venter

Plettenberg Bay – Dr. Andre Reitz
Stutterheim – Dr. Dave Watermann
Vanderbijlpark – Dr. Kobus Kok
Vaalwater – Dr. Annemieke Müller
Vredenburg – Dr. Izak Rust

Ostriches

Western Cape

Oudtshoorn

Tapeworms	1
Red gut	2 <i>Clostridium perfringens</i> A Variation in feed intake due to seasonal factors
Diarrhoea	3
Ophthalmia	1
Protein energy deficiency	3 Protein energy deficiency, change of season, cold mornings, rearing facilities are “tired”

Equines

Mpumalanga

Balfour

African horse sickness - 1

Gauteng

Magaliesburg

African horsesickness

Equine encephalosis

Pretoria

Vanderbijlpark

African Horse sickness in surrounding areas, horses were vaccinated by owners

Limpopo

Bela-Bela

Ticks

African Horse sickness – one horse died suspected AHS

Modimolle

African Horse sickness outbreak

Vaalwater

African horse sickness – 1 death

Anaemia (Tick induced toxemia) – Roan 2 (adults- male and female)

Noord-Wes

Potchefstroom

African Horse Sickness -1

Free State

Smithfield

Seneciosis – 7 horses died

African horse sickness - deaths

Vrede

African horse sickness – 2 cases awaiting laboratory confirmation. Three suspected cases died.

Farmers reported more deaths

KwaZulu-Natal

Mooi River

Rhodococcus equi – 2

Eastern Cape

Colesberg - Babesiose

Cradock

African Horse Sickness - 1

Western Cape

Oudtshoorn

Nuisance flies - After short thunderstorms in surrounding areas and high humidity with hot weather.

Game

Gauteng

Pretoria

Lameness - 2

Limpopo

Bela-Bela

Ophthalmia – Buffalo bull and other buffalo

Screw-worm – Kudu calf deserted by mother, ears with severe wounds, died

Energy deficiency – sable cow, looks as if she calved, no calf found, treated and survived

Ticks

Energy deficiency – pig 2 month old, no energy, eyes closed, treated, recovered

Modimolle

Wireworm – Sable, one herd

Roan – 1, brown ear tick with severe infestation, amputated both ears

North West

Klerksdorp

Intestinal roundworms – 1

Northern Cape

Kimberley

Wireworm – 1 Sable

Botulism - 3 Sable

Swine

Gauteng

Pretoria

Abscesses – 1

Mastitis – 1

Dystocia – 1

Eastern Cape

Humansdorp

Mycotoxicosis – Serious mycotoxicosis on pig farms due to mycotoxins in pig feed

Monthly report on Livestock and Wildlife isolations for March 2019 from

Vetdiagnostix –Microbiology Laboratory, supplied by dr. Marijke Henton

(henton@vetdx.co.za)

Respiratory infections in cattle yielded *Mannheimia haemolytica* [4], *Pasteurella multocida* [3], *Histophilus somni* [3], *Trueperella pyogenes* [1] and one case of *Streptococcus dysgalactiae* [was *S. equisimilis*].

Trueperella pyogenes was also associated with a mandibular abscess, and *M. haemolytica* [1] and *P. multocida* [2] with septicaemia in cattle. *Salmonella* Dublin caused septicaemia in a calf.

Calf enteritis was associated with *E. coli* [7] and *Cryptosporidium*.

Arthritis in cattle was caused by *Klebsiella pneumoniae* and *Pseudomonas aeruginosa*.

Gangrenous myositis was positive for *Clostridium sordellii* in 3 cases, *C. novyi* in two, and *C. chauvoei* in one. *C. sordellii* is usually the least frequently isolated of the four that are tested with the FA test.

Corynebacterium pseudotuberculosis was the cause of abscessation in a goat and a sheep, and lamb enteritis was associated with *E. coli* [4].

E. coli was also associated with enteritis [5] and septicaemia [2] in pigs.

Staphylococcus felis was isolated from pyoderma in a lion. *S. felis* causes various purulent conditions in cats, and has also been isolated from cheetahs before.

Salmonella enterica was isolated with enteritis in a cheetah. It could not be typed as a pathogen, using a limited range of *Salmonella* typing antisera, and was probably only an opportunist. *Streptococcus dysgalactiae* was isolated from a rhino with rhinitis and another with pyoderma. A hippo with pyoderma yielded *Aeromonas hydrophila*, but that was probably secondary, as *Aeromonas* is common in water. What was concerning, was that the *Aeromonas* was ESBL [Extended Spectrum Beta Lactamase] positive, and therefore resistant to all penicillins and cephalosporins.

Staphylococcus aureus was isolated from an abscess in a buffalo.

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>Chlamydophyla</i> abortions	

**Feedlot report received from Dr. Andy Hentzen for March 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 2
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 2
IBR	B 3
Warts	B 3
Water contamination	B 3
Micro mineral deficiency	B3
Mastitis	B 1
Lameness	B 3

Lungs	B 3
Diarrhoea	B 3
Eyes	B 3
Abscesses	B,C 3

**Monthly report for March 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 calf	<i>Salmonella</i> Dublin	1	Underberg, KZN
Bovine calf	<i>Mannheimia haemolytica</i>	1	Dundee, KZN
Bovine adult	Complicated <i>Babesia bovis</i> with DIC	1	PMB, KZN
Bovine calf	<i>Cryptosporidium</i>	1	Humansdorp, E. Cape

WILDLIFE DISEASE SURVEILANCE			
WILDLIFE SPECIES	DISEASE AGENT	NO. CASES	LOCATION
Waterbuck, Subadult Cow	Infectious necrotic hepatitis	1	Nelspruit, Mpumalanga
White Rhino, adult	Mineral associated hepatopathy	1	Limpopo
Cheetah, adult	Myelolipoma	1	Hoedspruit, Limpopo
Impala, Adult	Chemical rumenitis with enterotoxaemia	1	PMB, KZN

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

Condition	Comments and Specie
Intestinal roundworms	G 1

Blue ticks	E 1
Heartwater tick	E 1
Red-legged tick	E 3
Asiatic red water	B 1
Heart water	B 1
Blue tongue (suspected)	O 2
Blood gut	C 1
Septicaemia	O 1
<i>E. coli</i>	B, O 2
Diarrhoea (bacterial enteritis)	B, O 2
Enzootic bovine leucosis	B 1
Cryptosporidiosis	B 1
Eye infection	G 2
Equine sarcoid	E 1
<i>Senecio</i> toxicity	B,O 1



**Section of Pathology
Department of Paraclinical Sciences
Faculty of Veterinary Science**

29th March 2019

DAFF

Import/Export Policy Unit Subdirectorste

Monthly report: Faculty of Veterinary Science cases
Wildlife cases sent to referring veterinarians between 28th February and 29th March 2019

Cases from State vet Skukuza or Orpen

Cases imported with master permit (none)

PMDate	Species	Final	Histo No
25-Feb-19	Cheetah	Encephalitis, cystitis	S686-19
01-Mar-19	Lion	Perivascular dermatitis	S737-19
01-Mar-19	Lion	Subcutaneous haemangiosarcoma	S738-19
07-Mar-19	Lion	Normal reproductive tract	S807-19
07-Mar-19	Lion	Normal reproductive tract	S808-19
12-Mar-19	Cheetah	Chronic renal disease, gastritis	S859-19
13-Mar-19	African Elephant	Suspected <i>C. perfringens</i> C colitis	S889-19
13-Mar-19	Black Rhino	Acute heart failure (post translocation)	S983-19
13-Mar-19	African Elephant	Suspected embolic pneumonia	S890-19
15-Mar-19	African Elephant	Negative for tuberculosis	S924-19
15-Mar-19	African Elephant	Negative for tuberculosis	S922-19
15-Mar-19	African Elephant	Negative for tuberculosis	S923-19
18-Mar-19	African Buffalo	Cachexia	S940-19
25-Mar-19	Cheetah	Grade 2 gastritis	S992-19

Kind regards,



Prof. Emily Mitchell

Fakulteit Veeartsenykunde
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DISEASE DISTRIBUTION REPORT AS REPORTED BY VETERINARIANS

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<u>Internal Parasites</u>	Roundworms in general , Resistant Round Worms , Wireworm , Brown stomach-worm , Nodular worm , Eye worm (<i>Thelazia rhodesi</i>) , Tape Worms , Parafilaria , Liver fluke , Conical Flukes , Cysticercosis
<u>External Parasites</u>	Blue ticks , Resistant blue Ticks , Heartwater (Bont) ticks , Brown ear-ticks , Bont-legged ticks , Red-legged ticks , Paralysis ticks , Biting lice (red

	lice , Sucking lice (blue lice) , Scab mites , Mange Mites , Nuisance Flies , Blowflies , Screw-worm , Nasal bot larvae , Midges , Mosquitoes
Tick-borne Diseases	African red water , Asiatic red water , Anaplasmosis , Heartwater , Sweating Sickness , Corridor disease
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 , Salmonellosis , Brucella abortus , Brucella ovis , Johne`s disease , Septicaemia , E. coli , Enzootic Abortion , Dermatophilosis (Lumpy Wool) , Bovine Dermatophilosis (Senkobo disease) , Fusibacterium necrophorum , Listeriosis , Other
Protozoal diseases (other)	Coccidiosis , Cryptosporidium
Fungal diseases	Ringworm
Viral Diseases (other)	BMC , Rabies , BVD (Bovine viral diarrhoea) , IBR (Infectious bovine rhinotracheitis) , Enzootic Bovine Leucosis (EBL) , Orf , Warts , Other viral disease not listed
Poisonings (Plant) and Fungal	Cardiac glycoside poisoning , Cestrum , Cynanchum poisoning , Facial eczema , Geeldikkop/Dikoor , Kikuyu poisoning , Lantana , Prussic acid poisoning , Seneciosis , Vermeersiekte (Gaigeria spp.) , Mycotoxicosis , Other
Poisonings	Urea Poisoning , Snake Bite , Blue-green algae , Copper Poisoning , Chemical products , Other
Macro Nutritional Problems	Energy deficiency , Protein deficiency , Phosphate deficiency , Calcium deficiency
Micro Nutritional Problems	Copper deficiency , Zinc deficiency , Selenium deficiency , Magnesium deficiency , Manganese deficiency , Vitamin A deficiency
Multi-factorial Disease Conditions	Abortions , Stillbirths , Abscesses , Abscesses in general , Bladder stones , Blindness , Bloat , Blood gut (sheep and goat) , Blue udder , Diarrhoea , Epididymitis , Eye Cancer , Eye infections , Joint III , Lameness/Foot Problems , Lung infection , Mastitis in general , Navel III , Redgut (Sheep) , Trauma , Downer , Traumatic Reticulo-pericarditis , Other
Metabolic Diseases	Acidosis , Displaced abomasum , Ketosis , Milk Fever
Reproductive diseases	Dystocia (Difficult Births) , Endometritis , Metritis , Poor conception , Retained afterbirth , Sheath Prolaps , Uterus prolaps , Vaginal (Cervical) prolaps
Climatical Cause	Drought , Heat stress , Lightning
Non specific diseases	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	1.8 (6)	3.0 (2)		2.0 (3)	2.4 (10)	2.4 (8)	1.9 (7)	2.3 (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)					2.0 (1)	2.0 (1)		
Sheep	2.3 (4)	3.0 (2)		2.0 (3)	2.4 (10)	2.5 (6)	2.0 (3)	2.3 (3)	3.0 (1)
Goat	1.0 (1)					2.0 (1)	1.7 (3)		

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1, Sheep: 1, Goat: 1

Hendrina, Mooiplaas Veterinêre Dienste

Sheep: 2

Middelburg, Middelburg Dierehospitaal

Sheep: 3

Standerton, Econovet

Sheep: 3

Gauteng

Bronkhorstspuit, Kerkstraat Dierekliniek

Sheep: 3

Pretoria, Anima Veterinary Consulting Rooms

Sheep: 3

North West

Brits, Brits Dierekliniek

Sheep: 2

Christiana, Christiana Dierehospitaal

Sheep: 2

Klerksdorp, Klerksdorp Dierehospitaal

Sheep: 2

Free State

Bethlehem, Freestate Bethlehem SV

Sheep: 1

Bultfontein, Greylingrust Dierespreekkamer

Sheep: 3

Clocolan, Clocolan Dierekliniek

Sheep: 2

Harrismith, Harrismith Dierehospitaal

Sheep: 2

Hoopstad, Hoopstad Dierekliniek

Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Sheep: 2

Ladybrand, Ladybrand Dierekliniek

Sheep: 3

Viljoenskroon, Viljoenskroon Dierekliniek

Sheep: 3

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 3

Vrede, Saulshoek Dierepraktyk

Sheep: 2

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

Sheep: 1

Estcourt, Estcourt Vet Clinic

Sheep: 3

Howick, Howick Veterinary Clinic

Sheep: 3

Mooi River, Mooirivier Vet Clinic

Sheep: 2

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2, Goat: 2

Newcastle, Ncanduvet Newcastle

Sheep: 3

Vryheid, Vryheid Privaat Veeartse

Sheep: 3

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

Goat: 2

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Sheep: 2, Goat: 2

Queenstown, Queenstown Veterinary clinic

Sheep: 2

Uitenhage, Uitenhage Dierehospitaal

Goat: 1

Witelsbos, Witelsbos Veterinary Consulting Rooms

Beef: 2, Sheep: 2

Western Cape**Caledon, Caledon Dierekliniek**

Sheep: 2

Darling, Tygerberg Dierehospitaal Darling

Sheep: 2

George, George Animal Hospital

Sheep: 3

Northern Cape**Kuruman, State Vet Kuruman**

Sheep: 3

Resistant Round Worms									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.2 (5)	1.7 (3)		1.0 (1)	2.5 (4)		2.0 (2)		

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

Sheep	1.0 (3)	1.7 (3)		1.0 (1)	2.3 (3)		2.0 (1)
Goat	1.5 (2)				3.0 (1)		2.0 (1)

Mpumalanga

Balfour, Balfour Dierekliniek

Sheep: 1

Hendrina, Mooiplaas Veterinêre Dienste

Sheep: 1

Middelburg, Middelburg Dierehospitaal

Sheep: 1, Goat: 1

Nelspruit, Nelspruit Animal Hospital

Goat: 2

Gauteng

Bronkhorstspuit, Kerkstraat Dierekliniek

Sheep: 2

Pretoria, Anima Veterinary Consulting Rooms

Sheep: 2

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Sheep: 1

North West

Klerksdorp, Klerksdorp Dierehospitaal

Sheep: 1

Free State

Hoopstad, Hoopstad Dierekliniek

Sheep: 3

Ladybrand, Ladybrand Dierekliniek

Sheep: 3, Goat: 3

Philippolis, Rowelsfontein veearts Spreekkamer

Sheep: 1

Eastern Cape

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Sheep: 2, Goat: 2

Wireworm ^

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.6 (5)	2.0 (4)	1.6 (5)	3.0 (1)	2.3 (16)	2.0 (5)	1.3 (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)				
Sheep	2.6 (5)	2.0 (2)	1.7 (3)	3.0 (1)	2.5 (13)	2.0 (3)	1.5 (2)		3.0 (1)
Goat		2.0 (2)	1.5 (2)		2.0 (2)	2.0 (2)	1.0 (1)		

Mpumalanga

Bethal, Bethal Dierekliniek

Sheep: 2

Hendrina, Mooiplaas Veterinêre Dienste

Sheep: 3

Lydenburg, Longtom Dierekliniek

Sheep: 3

Standerton, Econovet

Sheep: 3

Volksrust, Cape Cross Volksrust Dierehospitaal

Sheep: 2

Gauteng**Bronkhorstspuit, Kerkstraat Dierekliniek**

Sheep: 2, Goat: 2

Hammanskraal, Themba Animal Clinic

Sheep: 2, Goat: 2

Limpopo**Makhado, Blouberg Dierekliniek**

Sheep: 2

8 cases

Mokopane, Dr Henk Visser

Sheep: 2, Goat: 2

Polokwane, Pietersburg Veterinary Clinic

Sheep: 1, Goat: 1

North West**Potchefstroom, Morvet**

Sheep: 3

Free State**Bultfontein, Greylingrust Dierspreekkamer**

Sheep: 3

Clocolan, Clocolan Dierekliniek

Sheep: 2

Ficksburg, Oosvrystaat Dier Produkte

Sheep: 3

Hoopstad, Hoopstad Dierekliniek

Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Sheep: 3

Ladybrand, Ladybrand Dierekliniek

Sheep: 3, Goat: 3

Reitz, Riemland Dierehospitaal

Sheep: 2, Goat: 1

Smithfield, Freestate Smithfield SV

Sheep: 3

Sheep on irrigated pasture

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 3

Vrede, Saulshoek Dierpraktyk

Sheep: 2

Vrede, Vrede Dierehospitaal

Beef: 1, Sheep: 1

Wesselsbron, Wesselsbron Dierekliniek

Sheep: 1

Winburg, Winburg Dierekliniek

Sheep: 3

Kwazulu-Natal

Camperdown, Camperdown Vet Clinic

Sheep: 3, Goat: 2

Dundee, Endumeni Herd health

Sheep: 1

Estcourt, Estcourt Vet Clinic

Sheep: 2, Goat: 2

Eastern Cape**Aliwal North, Hertzogbrug Dierekliniek**

Sheep: 1

Graaff-Reinet, Camdeboo Veterinary Clinic

Goat: 1

Somerset East, Bosberg Veterinary Clinic

Sheep: 2

Northern Cape**Kimberley, Kimberley Dierekliniek**

Sheep: 3

Brown stomach-worm

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

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

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

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

Goat: 2

Steynsburg, Steynsburg Dierehospitaal

Sheep: 3

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

Sheep: 2

Nodular worm

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

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

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

Limpopo

Polokwane, Pietersburg Veterinary Clinic

Beef: 1, Goat: 1

Free State

Ladybrand, Ladybrand Dierekliniek

Beef: 2

Vrede, Saulshoek Dierpraktyk

Sheep: 2

Kwazulu-Natal

Pietermaritzburg, Veterinary House Hospital

Beef: 3

Suspect

Tape Worms

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

Mpumalanga

Balfour, Balfour Dierekliniek

Sheep: 1

Gauteng

Bronkhorstspuit, Kerkstraat Dierekliniek

Goat: 2

Pretoria, Anima Veterinary Consulting Rooms

Sheep: 2

Free State

Reitz, Riemland Dierehospitaal

Sheep: 1

Viljoenskroon, Viljoenskroon Dierekliniek

Sheep: 3

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 2

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

Sheep: 2

Northern Cape**Postmasburg, Postmasburg Dierekliniek**

Goat: 1

Parafilaria

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

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

Beef				3.0 (1)		2.5 (2)			
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North West**Stella, Stella Dierekliniek**

Beef: 3

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

Mpumalanga**Bethal, Bethal Dierekliniek**

Sheep: 1

Grootvlei, Grootvlei Dierekliniek

Beef: 1

Standerton, Econovet

Beef: 2, Sheep: 2

Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 1

Pretoria, Anima Veterinary Consulting Rooms

Beef: 2

Limpopo**Polokwane, Pietersburg Veterinary Clinic**

Beef: 1

North West**Klerksdorp, Klerksdorp Dierehospitaal**

Beef: 1

Free State**Clocolan, Clocolan Dierekliniek**

Beef: 2

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

Beef: 3, Dairy: 2

Eastern Cape**Cradock, Cradock Veterinary Clinic**

Beef: 1

Western Cape**George, George Animal Hospital**

Sheep: 3

Conical Flukes

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

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 (1)			1.0 (1)	
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Mpumalanga**Balfour, Balfour Dierekliniek**

Beef: 1

North West**Vryburg, Vryburg Dierehospitaal**

Beef: 2

Free State**Vrede, Saulshoek Dierepraktyk**

Beef: 2

Western Cape**Ceres, Ceres Veterinary Hospital**

Beef: 1

One herd

Cysticercosis

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

Limpopo

Mokopane, Dr Henk Visser

Beef: 1

North West

Lichtenburg, Dr CM Kruger-Rall

Beef: 1

Western Cape

George, George Animal Hospital

Beef: 2

Stellenbosch, Stellenbosch Animal Hospital

Beef: 1

Northern Cape

Kimberley, Kimberley Dierekliniek

Beef: 1

Abattoir

Postmasburg, Postmasburg Dierekliniek

Sheep: 2

External Parasites

Blue ticks

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.7 (6)	1.5 (2)	1.0 (4)	1.8 (4)	2.8 (14)	2.9 (10)	2.5 (2)	2.8 (4)	

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

Beef	2.7 (6)	2.0 (1)	1.0 (2)	2.0 (3)	2.7 (10)	3.0 (8)	2.0 (1)	2.5 (2)	
Dairy					3.0 (2)	2.5 (2)	3.0 (1)	3.0 (2)	
Sheep		1.0 (1)	1.0 (1)	1.0 (1)	3.0 (2)				
Goat			1.0 (1)						

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 2

Bethal, Bethal Dierekliniek

Beef: 2

Ermelo, Moregloed Veterinêre Spreekkamer

Beef: 3

Hendrina, Mooiplaas Veterinêre Dienste

Beef: 3

Middelburg , Middelburg Dierehospitaal

Beef: 3

Standerton, Econovet

Beef: 3

Gauteng**Hammanskraal, Themba Animal Clinic**

Beef: 2

Pretoria, Anima Veterinary Consulting Rooms

Sheep: 1

Limpopo**Mokopane, Dr Henk Visser**

Beef: 1

Polokwane, Pietersburg Veterinary Clinic

Beef: 1, Sheep: 1, Goat: 1

North West**Klerksdorp, Klerksdorp Dierehospitaal**

Beef: 1, Sheep: 1

Lichtenburg, Dr CM Kruger-Rall

Beef: 3

Ventersdorp, Ventersdorp Dierekliniek

Beef: 2

Free State**Ficksburg, Oosvrystaat Diere Produkte**

Beef: 3, Dairy: 3, Sheep: 3

Harrismith, Harrismith Dierehospitaal

Beef: 3

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 3, Dairy: 3

Memel, Memel Veterinary Clinic

Beef: 2

Reitz, Riemland Dierehospitaal

Beef: 2

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 3

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2

Vrede, Saulshoek Dierepraktyk

Beef: 3

Winburg, Winburg Dierekliniek

Beef: 3

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

Beef: 3

Dundee, Endumeni Herd health

Beef: 3

Howick, Howick Veterinary Clinic

Beef: 3, Dairy: 3

Mooi River, Mooirivier Vet Clinic

Beef: 3

Mtubatuba, Mtubatuba Animal Clinic

Beef: 3

Newcastle, KZN Newcastle SV

Beef: 3

Pietermaritzburg, Veterinary House Hospital

Beef: 3, Dairy: 2

Vryheid, Vryheid Privaat Veeartse

Beef: 3

Eastern Cape**Alexandria, Alexandria Platteland Spreekkamer**

Dairy: 3

Aliwal North, Hertzogbrug Direkliniek

Beef: 2

Western Cape**George, George Animal Hospital**

Beef: 3, Dairy: 3

Heidelberg (WC), Heidelberg Direkliniek

Dairy: 3

Oudtshoorn, Oudtshoorn Direkliniek

Beef: 2

Resistant blue Ticks

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average					3.0 (2)	1.5 (4)			

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

Beef					3.0 (2)	1.5 (4)			
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Free State**Hoopstad, Hoopstad Direkliniek**

Beef: 3

Winburg, Winburg Direkliniek

Beef: 3

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

Beef: 1

Mooi River, Mooirivier Vet Clinic

Beef: 1

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2

Pietermaritzburg, Veterinary House Hospital

Beef: 2

Heartwater (Bont) ticks

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.5 (2)	2.8 (5)	2.8 (4)	1.0 (1)		2.5 (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	2.5 (2)	3.0 (2)	2.5 (2)		2.6 (5)
Sheep		2.5 (2)	3.0 (1)	1.0 (1)	2.0 (1)
Goat		3.0 (1)	3.0 (1)		2.5 (2)

Mpumalanga

Middelburg , Middelburg Dierehospitaal

Beef: 3

Nelspruit, Nelspruit Animal Hospital

Beef: 2

Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 3, Sheep: 2, Goat: 3

Pretoria, Anima Veterinary Consulting Rooms

Beef: 3, Sheep: 3

Limpopo

Mokopane, Dr Henk Visser

Beef: 2

Polokwane, Pietersburg Veterinary Clinic

Beef: 3, Sheep: 3, Goat: 3

North West

Klerksdorp, Klerksdorp Dierehospitaal

Sheep: 1

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 3

Dundee, Endumeni Herd health

Beef: 2

Mtubatuba, Mtubatuba Animal Clinic

Beef: 3, Goat: 3

Pongola, Pongola Animal Clinic

Beef: 2, Sheep: 2, Goat: 2

Vryheid, Vryheid Privaat Veeartse

Beef: 3

Brown ear-ticks

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.3 (4)	2.0 (2)	2.8 (4)	3.0 (1)	1.5 (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	2.3 (4)	2.0 (2)	2.5 (2)	3.0 (1)	1.5 (2)	2.5 (6)			
Sheep			3.0 (1)						
Goat			3.0 (1)						

Mpumalanga

Ermelo, Moregloed Veterinêre Spreekkamer

Beef: 3

Lydenburg, Longtom Dierekliniek

Beef: 3

Middelburg , Middelburg Dierehospitaal

Beef: 1

Standerton, Econovet

Beef: 2

Gauteng

Bronkhorstspuit, Kerkstraat Dierekliniek

Beef: 3

Pretoria, Anima Veterinary Consulting Rooms

Beef: 1

Limpopo

Mokopane, Dr Henk Visser

Beef: 2

Polokwane, Pietersburg Veterinary Clinic

Beef: 3, Sheep: 3, Goat: 3

North West

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 3

Free State

Parys, Parys Dierehospitaal

Beef: 2

Vrede, Saulshoek Dierepraktyk

Beef: 1

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

Pongola, Pongola Animal Clinic

Beef: 2

Vryheid, Vryheid Privaat Veeartse

Beef: 3

Bont-legged ticks

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (3)	2.4 (5)	2.5 (4)	2.6 (7)	2.3 (13)	2.3 (6)			2.2 (5)

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

Beef	2.0 (3)	2.0 (2)	2.0 (2)	2.6 (5)	2.3 (7)	2.0 (3)			2.0 (1)
Dairy					2.0 (1)	2.0 (1)			

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

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1

Bethal, Bethal Dierekliniek

Beef: 2

Middelburg , Middelburg Dierehospitaal

Beef: 3

Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 2, Sheep: 3, Goat: 3

Pretoria, Anima Veterinary Consulting Rooms

Beef: 2, Sheep: 2

Limpopo

Mokopane, Dr Henk Visser

Beef: 1

Polokwane, Pietersburg Veterinary Clinic

Beef: 3, Sheep: 3, Goat: 3

North West

Christiana, Christiana Dierehospitaal

Beef: 3

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 3, Sheep: 3

Leeudoringstad, Leeudoringstad Dierekliniek

Beef: 2

Schweizer-Reneke, Buffeldoorn Dierekliniek SR

Beef: 2, Sheep: 2

Vryburg, Vryburg Dierehospitaal

Beef: 3

Free State

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 2, Dairy: 2, Sheep: 2

Memel, Memel Veterinary Clinic

Beef: 2

Philippolis, Rowelsfontein veearts Spreekkamer

Sheep: 3

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 3, Sheep: 3

Vrede, Saulshoek Dieredpraktyk

Beef: 2

Wesselsbron, Wesselsbron Dierekliniek

Beef: 1, Sheep: 1

Winburg, Winburg Dierekliniek

Beef: 3

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Mooi River, Mooirivier Vet Clinic

Beef: 1

Pietermaritzburg, Veterinary House Hospital

Beef: 3, Sheep: 3, Goat: 3

Pongola, Pongola Animal Clinic

Dairy: 2

Northern Cape

Calvinia, Calvinia Veeartskliniek

Sheep: 3

De Aar, De Aar Veterinary Clinic

Sheep: 2

Postmasburg, Postmasburg Dierekliniek

Beef: 2, Sheep: 2, Goat: 2

Red-legged ticks

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (3)	2.0 (1)		3.0 (1)	2.7 (9)				

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

Beef	1.0 (1)			3.0 (1)	2.6 (5)				
Dairy					3.0 (1)				
Sheep	1.0 (1)				2.7 (3)				
Goat	1.0 (1)	2.0 (1)							

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1, Sheep: 1, Goat: 1

Gauteng

Hammanskraal, Themba Animal Clinic

Goat: 2

North West

Christiana, Christiana Dierehospitaal

Beef: 3

Free State

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 3, Dairy: 3

Memel, Memel Veterinary Clinic

Beef: 2, Sheep: 2

Parys, Parys Dierehospitaal

Beef: 3, Sheep: 3

Vrede, Saulshoek Dierepraktyk

Beef: 2

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 (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

Biting lice (red lice)

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

Sheep 1.0 (1) 2.0 (1)

North West

Vryburg, Vryburg Dierehospitaal

Beef: 2

Free State

Kroonstad, Kroonstad Dierehospitaal

Beef: 2

Reitz, Riemland Dierehospitaal

Sheep: 1

Northern Cape

Calvinia, Calvinia Veeartskliniek

Sheep: 2

Sucking lice (blue lice)

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

Goat 1.0 (1)

Northern Cape

Postmasburg, Postmasburg Dierekliniek

Goat: 1

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

Mange Mites									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	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 (2)				
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Mpumalanga
Balfour, Balfour Dierekliniek
 Beef: 1
Sarcoptes
Free State
Ladybrand, Ladybrand Dierekliniek
 Beef: 2
Winburg, Winburg Dierekliniek
 Beef: 2

Nuisance Flies									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.2 (5)			3.0 (1)	2.9 (9)	2.7 (3)	3.0 (1)	2.2 (13)	

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

Beef	2.3 (3)			3.0 (1)	2.8 (5)	2.7 (3)		2.0 (5)	
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Dairy		3.0 (2)	3.0 (1)	2.4 (5)
Sheep	2.0 (1)	3.0 (2)		2.0 (3)
Goat	2.0 (1)			

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 2, Sheep: 2, Goat: 2

Lydenburg, Longtom Dierekliniek

Beef: 3

Nelspruit, Nelspruit Animal Hospital

Beef: 2

North West

Christiana, Christiana Dierehospitaal

Beef: 3

Free State

Ficksburg, Oosvrystaat Diere Produkte

Beef: 3, Dairy: 3, Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 3, Dairy: 3

Memel, Memel Veterinary Clinic

Beef: 2

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 3, Sheep: 3

Winburg, Winburg Dierekliniek

Beef: 3

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 3

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2

Pietermaritzburg, Veterinary House Hospital

Beef: 3

Eastern Cape

Alexandria, Alexandria Platteland Spreekkamer

Dairy: 3

Western Cape

George, George Animal Hospital

Beef: 3, Dairy: 3, Sheep: 3

Heidelberg (WC), Heidelberg Dierekliniek

Dairy: 3

Malmesbury, Dr Otto Kriek

Dairy: 2

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 3, Sheep: 2

Oudtshoorn, Ostrimed

Beef: 3

After short thunderstorms in surrounding areas and high humidity with hot weather.

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	2.0 (1)		2.0 (1)	3.0 (1)	2.5 (4)		2.0 (2)	2.0 (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)	3.0 (1)	3.0 (1)			2.0 (1)	
Dairy								2.0 (1)	
Sheep	2.0 (1)				2.3 (3)		2.0 (2)	2.0 (3)	
Goat								2.0 (1)	

Mpumalanga

Hendrina, Mooiplaas Veterinêre Dienste

Sheep: 2

Limpopo

Mokopane, Dr Henk Visser

Beef: 2

North West

Vryburg, Vryburg Dierehospitaal

Beef: 3

Free State

Dewetsdorp, Platkop Dierekliniek

Sheep: 2

Hoopstad, Hoopstad Dierekliniek

Sheep: 3

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 2

Winburg, Winburg Dierekliniek

Beef: 3

Eastern Cape

Aliwal North, Hertzogbrug Dierekliniek

Sheep: 1

Steynsburg, Steynsburg Dierehospitaal

Sheep: 3

Western Cape

Heidelberg (WC), Heidelberg Dierekliniek

Sheep: 3

Malmesbury, Malmesbury Dierehospitaal

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

Oudtshoorn, Oudtshoorn Dierekliniek

Sheep: 1

Screw-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)	2.0 (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)	2.0 (1)	2.0 (1)
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Mpumalanga

Nelspruit, Nelspruit Animal Hospital

Beef: 2

Limpopo

Vaalwater, Vaalwater Dieresprekkamer

Beef: 2

Four cases

Free State

Winburg, Winburg Dierekliniek

Beef: 2

Nasal bot larvae

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.5 (4)	3.0 (1)			2.4 (7)		3.0 (1)		

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

Sheep	2.5 (4)	3.0 (1)			2.4 (7)		3.0 (1)		
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Mpumalanga

Ermelo, Moregloed Veterinêre Spreekkamer

Sheep: 3

Hendrina, Mooiplaas Veterinêre Dienste

Sheep: 2

Lydenburg, Longtom Dierekliniek

Sheep: 3

Standerton, Econovet

Sheep: 2

Gauteng

Pretoria, Anima Veterinary Consulting Rooms

Sheep: 3

Free State

Ficksburg, Oosvrystaat Diere Produkte

Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Sheep: 2

Ladybrand, Ladybrand Dierekliniek

Sheep: 3

Memel, Memel Veterinary Clinic

Sheep: 2

Reitz, Riemland Dierehospitaal

Sheep: 2

Vrede, Saulshoek Dierepraktyk

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	2.3 (6)	2.0 (2)		2.5 (2)	2.4 (7)	2.0 (3)	2.0 (2)		

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

Beef	2.3 (3)	2.0 (1)		2.5 (2)	2.3 (3)	2.0 (3)	2.0 (1)		
Sheep	2.5 (2)				2.5 (4)		2.0 (1)		
Goat	2.0 (1)	2.0 (1)							

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 2, Sheep: 2, Goat: 2

Ermelo, Moregloed Veterinêre Spreekkamer

Beef: 2

Lydenburg, Longtom Dierekliniek

Beef: 3, Sheep: 3

Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 2, Goat: 2

North West

Christiana, Christiana Dierehospitaal

Beef: 3

Leeudoringstad, Leeudoringstad Dierekliniek

Beef: 2

Free State

Bultfontein, Greylingrust Diersprekkamer

Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Sheep: 2

Memel, Memel Veterinary Clinic

Beef: 2, Sheep: 2

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 3, Sheep: 3

Winburg, Winburg Dierekliniek

Beef: 2

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 3

Mooi River, Mooirivier Vet Clinic

Beef: 1

Pongola, Pongola Animal Clinic

Beef: 2

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
Average			2.0 (1)	2.5 (2)	2.7 (6)	3.0 (1)	2.8 (5)	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)	2.5 (2)	2.5 (4)	3.0 (1)	2.5 (2)		
Dairy							3.0 (1)	2.0 (1)	
Sheep					3.0 (2)		3.0 (1)	2.0 (1)	
Goat							3.0 (1)		

Limpopo**Mokopane, Dr Henk Visser**

Beef: 2

North West**Leeudoringstad, Leeudoringstad Dierekliniek**

Beef: 2

Vryburg, Vryburg Dierehospitaal

Beef: 3

Free State**Bultfontein, Greylingrust Dieresprekkamer**

Beef: 3

Three Day Stiff sickness

Ficksburg, Oosvrystaat Diere Produkte

Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 2

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 3, Sheep: 3

Winburg, Winburg Dierekliniek

Beef: 2

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

Beef: 3

Eastern Cape**Aliwal North, Hertzogbrug Dierekliniek**

Beef: 2

Steynsburg, Steynsburg Dierehospitaal

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

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

Dairy: 2, Sheep: 2

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 (4)		1.8 (5)	2.0 (2)	1.9 (8)	2.1 (11)	1.8 (4)	1.8 (5)	

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

Beef	2.5 (4)		1.8 (5)	2.0 (2)	1.9 (8)	2.1 (9)	1.5 (2)	1.3 (3)	
Dairy						2.0 (2)	2.0 (2)	2.5 (2)	

Mpumalanga**Grootvlei, Grootvlei Dierekliniek**

Beef: 2

Hendrina, Mooiplaas Veterinêre Dienste

Beef: 3

Lydenburg, Longtom Dierekliniek

Beef: 2

Middelburg, Middelburg Dierehospitaal

Beef: 3

Limpopo**Makhado, Blouberg Dierekliniek**

Beef: 2

Four cases

Modimolle, Kranskop Dierekliniek

Beef: 1

One herd with red water outbreak

Polokwane, Pietersburg Veterinary Clinic

Beef: 3

Tzaneen, ZZ2 Farm Practice

Beef: 1

Vaalwater, Vaalwater Dierespreekkamer

Beef: 2

North West**Leeudoringstad, Leeudoringstad Dierekliniek**

Beef: 2

Potchefstroom, Morvet

Beef: 2

Free State**Frankfort, Frankfort Dierekliniek**

Beef: 3

Harrismith, Harrismith Dierehospitaal

Beef: 2

Kroonstad, Kroonstad Dierehospitaal

Beef: 2

Senekal, Senekal Dierekliniek

Beef: 1

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 1

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2

Vrede, Saulshoek Dierepraktyk

Beef: 2

Vrede, Vrede Dierehospitaal

Beef: 2

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

Beef: 2

Dundee, Endumeni Herd health

Beef: 1, Dairy: 1

Estcourt, Estcourt Vet Clinic

Beef: 2

Howick, Howick Veterinary Clinic

Beef: 3, Dairy: 3

Mooi River, Mooirivier Vet Clinic

Beef: 3

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2

Newcastle, Ncanduvet Newcastle

Beef: 2

Pietermaritzburg, Veterinary House Hospital

Beef: 2

Vryheid, Vryheid Privaat Veeartse

Beef: 2

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

Dairy: 3

Somerset East, Bosberg Veterinary Clinic

Dairy: 1

Uitenhage, Uitenhage Dierehospitaal

Beef: 1

Witelsbos, Witelsbos Veterinary Consulting Rooms

Beef: 2

Western Cape**Caledon, Caledon Dierekliniek**

Beef: 1

George, George Animal Hospital

Beef: 2, Dairy: 2

Heidelberg (WC), Heidelberg Dierekliniek

Dairy: 3

Riversdale, Riversdal Dierekliniek

Beef: 1

Asiatic red water

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
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Average	2.8 (5)	2.0 (2)	3.0 (1)	1.5 (2)	2.0 (8)	2.3 (9)	2.0 (2)	2.0 (2)
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Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef	2.8 (5)	2.0 (2)	3.0 (1)	1.5 (2)	2.0 (8)	2.3 (8)	2.0 (2)	2.0 (1)
Dairy						3.0 (1)		2.0 (1)

Mpumalanga

Bethal, Bethal Dierekliniek

Beef: 2

Ermelo, Moregloed Veterinêre Spreekkamer

Beef: 3

Hendrina, Mooiplaas Veterinêre Dienste

Beef: 3

Middelburg , Middelburg Dierehospitaal

Beef: 3

Standerton, Econovet

Beef: 3

Gauteng

Bronkhorstspuit, Kerkstraat Dierekliniek

Beef: 2

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 2

Limpopo

Polokwane, Pietersburg Veterinary Clinic

Beef: 3

North West

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 1

Potchefstroom, Morvet

Beef: 2

Free State

Bethlehem, Freestate Bethlehem SV

Beef: 1

Ficksburg, Oosvrystaat Diere Produkte

Beef: 2

Frankfort, Frankfort Dierekliniek

Beef: 3

Memel, Memel Veterinary Clinic

Beef: 2

Reitz, Riemland Dierehospitaal

Beef: 2

Both cases bought in Natal for feedlot.

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2

Vrede, Saulshoek Dierepraktyk

Beef: 2

Vrede, Vrede Dierehospitaal

Beef: 2

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Camperdown, Camperdown Vet Clinic

Beef: 2

Dundee, Endumeni Herd health

Beef: 3

Howick, Howick Veterinary Clinic

Beef: 3, Dairy: 3

Kokstad, E.G.Veterinary Services

Beef: 3

Mooi River, Mooirivier Vet Clinic

Beef: 1

Pietermaritzburg, Veterinary House Hospital

Beef: 1

Vryheid, Vryheid Privaat Veeartse

Beef: 3

Eastern Cape**Humansdorp, Humansdorp Veterinary Clinic**

Beef: 2

Witelsbos, Witelsbos Veterinary Consulting Rooms

Beef: 2

Western Cape**George, George Animal Hospital**

Beef: 2, Dairy: 2

Anaplasmosis

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.3 (3)	1.0 (1)	1.0 (1)	2.0 (6)	1.9 (17)	2.0 (8)	1.6 (8)	2.0 (8)	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	1.3 (3)	1.0 (1)	1.0 (1)	2.0 (6)	1.9 (14)	2.0 (5)	1.5 (6)	1.5 (2)	2.0 (1)
Dairy					1.7 (3)	2.0 (3)	2.0 (2)	2.2 (6)	

Mpumalanga**Grootvlei, Grootvlei Direkliniek**

Beef: 2

Middelburg, Middelburg Dierhospitaal

Beef: 1

Volksrust, Cape Cross Volksrust Dierhospitaal

Beef: 1

Gauteng**Hammanskraal, Themba Animal Clinic**

Beef: 1

Limpopo**Makhado, Blouberg Direkliniek**

Beef: 1

North West**Christiana, Christiana Dierhospitaal**

Beef: 3

Leeudoringstad, Leeudoringstad Dierekliniek

Beef: 2

Potchefstroom, Morvet

Beef: 2

Schweizer-Reneke, Buffeldoorn Dierekliniek SR

Beef: 1

Ventersdorp, Ventersdorp Dierekliniek

Beef: 2

Vryburg, Vryburg Dierehospitaal

Beef: 2

Free State**Bethlehem, Freestate Bethlehem SV**

Beef: 3

Clocolan, Clocolan Dierekliniek

Beef: 3

Dewetsdorp, Platkop Dierekliniek

Beef: 1

Frankfort, Frankfort Dierekliniek

Beef: 2

Hoopstad, Hoopstad Dierekliniek

Beef: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 2, Dairy: 2

Ladybrand, Ladybrand Dierekliniek

Beef: 3

Memel, Memel Veterinary Clinic

Beef: 1

Reitz, Riemland Dierehospitaal

Beef: 2, Dairy: 2

Senekal, Senekal Dierekliniek

Beef: 2, Dairy: 1

Vrede, Saulshoek Direpraktyk

Beef: 1

Vrede, Vrede Dierehospitaal

Beef: 1

Wesselsbron, Wesselsbron Dierekliniek

Beef: 1

Winburg, Winburg Dierekliniek

Beef: 2

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

Beef: 3

Dundee, Endumeni Herd health

Dairy: 2

Estcourt, Estcourt Vet Clinic

Dairy: 1

Howick, Howick Veterinary Clinic

Beef: 2, Dairy: 3

Kokstad, E.G.Veterinary Services

Beef: 2

Mooi River, Mooirivier Vet Clinic

Beef: 2

Pietermaritzburg, Veterinary House Hospital

Beef: 1

Eastern Cape

Alexandria, Alexandria Platteland Spreekkamer

Dairy: 2

Aliwal North, Hertzogbrug Dierekliniek

Beef: 2

Cradock, Cradock Veterinary Clinic

Beef: 2

Two cows died on fields. Acute anaplasmosis 24 to 36 hours after disease signs commenced. Tuli bull bought at Bloemfontein auction. Transported to Cradock, treated, recovered

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Beef: 1

Humansdorp, Humansdorp Veterinary Clinic

Beef: 1

Queenstown, Queenstown Provincial Vet Lab

Beef: 1

Queenstown, Queenstown Veterinary clinic

Beef: 2

Somerset East, Bosberg Veterinary Clinic

Dairy: 2

Western Cape**George, George Animal Hospital**

Beef: 1, Dairy: 2

Heidelberg (WC), Heidelberg Dierekliniek

Dairy: 3

Malmesbury, Invitrotech

Dairy: 2

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 2

Riversdale, Riversdal Dierekliniek

Dairy: 2

Worcester, Durban Straat Dierekliniek Worcester

Dairy: 2

Northern Cape**Kuruman, State Vet Kuruman**

Beef: 2

Heartwater

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
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Average	2.8 (4)	2.3 (7)	2.4 (7)	1.5 (2)	1.0 (1)	2.1 (14)	1.5 (6)		
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Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef	3.0 (2)	2.3 (4)	2.5 (4)	1.5 (2)		2.1 (7)	1.5 (2)		
Dairy							2.0 (1)		
Sheep	2.5 (2)	2.0 (2)	2.0 (2)			2.0 (2)	2.0 (1)		
Goat		3.0 (1)	3.0 (1)		1.0 (1)	2.2 (5)	1.0 (2)		

Mpumalanga**Lydenburg, Longtom Dierekliniek**

Beef: 3, Sheep: 2

Middelburg , Middelburg Dierehospitaal

Beef: 3, Sheep: 3

Gauteng**Hammanskraal, Themba Animal Clinic**

Beef: 3, Sheep: 2, Goat: 3

Magaliesburg, Magaliesburg; Dr Ryan Jeffrey

Beef: 2

Pretoria, Anima Veterinary Consulting Rooms

Beef: 2, Sheep: 2

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 2

Limpopo**Makhado, Blouberg Dierekliniek**

Beef: 3

Twelve cases

Mokopane, Dr Henk Visser

Beef: 2, Sheep: 1

Polokwane, Pietersburg Veterinary Clinic

Beef: 3, Sheep: 3, Goat: 3

Tzaneen, ZZ2 Farm Practice

Beef: 2

North West**Brits, Brits Dierekliniek**

Beef: 2

Rustenburg, Bergbos Dierekliniek

Beef: 1

Free State**Frankfort, Frankfort Dierekliniek**

Goat: 1

Goat from Eastern Cape

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

Beef: 2

Camperdown, Camperdown Vet Clinic

Beef: 1, Goat: 2

Eshowe, Eshowe Veterinary Hospital

Beef: 3

Ten cases

Estcourt, Estcourt Vet Clinic

Beef: 2, Goat: 2

Mtubatuba, Mtubatuba Animal Clinic

Beef: 3, Goat: 3

Pietermaritzburg, Veterinary House Hospital

Beef: 2

Pongola, Pongola Animal Clinic

Sheep: 2, Goat: 2

Vryheid, Vryheid Privaat Veeartse

Beef: 2, Sheep: 2, Goat: 2

Eastern Cape**Alexandria, Alexandria Platteland Spreekkamer**

Beef: 2, Dairy: 2

Bathurst, Dr Jane Pistorius

Goat: 1

Cofimvaba, State Vet Cofimvaba

Goat: 1

Queenstown, Queenstown Provincial Vet Lab

Sheep: 2

Somerset East, Bosberg Veterinary Clinic

Beef: 1

Sweating Sickness

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average		1.0 (2)	1.5 (2)	2.3 (3)	1.0 (4)	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 (2)	1.5 (2)	2.3 (3)	1.0 (4)	1.0 (1)			2.0 (2)
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Gauteng**Hammanskraal, Themba Animal Clinic**

Beef: 1

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 1

Limpopo**Makhado, Blouberg Dierekliniek**

Beef: 2

Two cases

Mokopane, Dr Henk Visser

Beef: 1

North West**Christiana, Christiana Dierehospitaal**

Beef: 3

Leeudoringstad, Leeudoringstad Dierekliniek

Beef: 2

Vryburg, Vryburg Dierehospitaal

Beef: 2

Free State**Bultfontein, Greylingrust Dieresprekkamer**

Beef: 1

Clocolan, Clocolan Dierekliniek

Beef: 1

Kroonstad, Kroonstad Dierehospitaal

Beef: 1

Wesselsbron, Wesselsbron Dierekliniek

Beef: 1

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

Beef: 1

Northern Cape**Postmasburg, Postmasburg Dierekliniek**

Beef: 2

Upington, Upington Veeartsenykliniek

Beef: 2

Corridor disease									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average						1.0 (1)			
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef						1.0 (1)			
Kwazulu-Natal									
Pongola, Pongola Animal Clinic									
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	2.5 (4)	2.0 (1)	2.7 (3)		2.0 (8)	1.7 (7)	2.0 (1)		2.0 (1)
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef	2.5 (4)	2.0 (1)	2.7 (3)		2.0 (7)	1.7 (7)	2.0 (1)		2.0 (1)
Dairy					2.0 (1)				
Mpumalanga									
Ermelo, Moregloed Veterinêre Spreekkamer									
Beef: 3									
Loskopdam, Loskop Direkliniek									
Beef: 1									
Middelburg , Middelburg Dierehospitaal									
Beef: 3									
Volkswest, Cape Cross Volkswest Dierehospitaal									
Beef: 3									
Gauteng									
Hammanskraal, Themba Animal Clinic									
Beef: 2									
Limpopo									
Makhado, Blouberg Direkliniek									
Beef: 2									
Six cases									
Mokopane, Dr Henk Visser									
Beef: 3									
Polokwane, Pietersburg Veterinary Clinic									
Beef: 3									
Free State									

Clocolan, Clocolan Dierekliniek

Dairy: 2

Harrismith, Harrismith Dierehospitaal

Beef: 2

Hoopstad, Hoopstad Dierekliniek

Beef: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 2

Parys, Parys Dierehospitaal

Beef: 2

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 2

Vrede, Saulshoek Dierepraktyk

Beef: 1

Winburg, Winburg Dierekliniek

Beef: 2

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

Beef: 2

Dundee, Endumeni Herd health

Beef: 1

Estcourt, Estcourt Vet Clinic

Beef: 1

Mooi River, Mooirivier Vet Clinic

Beef: 3

Pietermaritzburg, Veterinary House Hospital

Beef: 2

Pongola, Pongola Animal Clinic

Beef: 1

Vryheid, Vryheid Privaat Veeartse

Beef: 2

Eastern Cape**Steynsburg, Steynsburg Dierehospitaal**

Beef: 2

Northern Cape**Colesberg, Karoo Veterinary Hospital**

Beef: 2

Three-day-stiffsickness

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.4 (5)	1.7 (3)	2.3 (7)	3.0 (3)	2.4 (10)	2.2 (9)	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	2.4 (5)	1.7 (3)	2.2 (6)	3.0 (3)	2.4 (9)	2.1 (7)	2.0 (1)		
Dairy			3.0 (1)		2.0 (1)	2.5 (2)		1.0 (1)	

Mpumalanga

Ermelo, Moregloed Veterinêre Spreekkamer

Beef: 3

Grootvlei, Grootvlei Dierekliniek

Beef: 2

Hendrina, Mooiplaas Veterinêre Dienste

Beef: 2

Lydenburg, Longtom Dierekliniek

Beef: 3

Standerton, Econovet

Beef: 2

Gauteng**Bronkhorstspuit, Kerkstraat Dierekliniek**

Beef: 2

Hammanskraal, Themba Animal Clinic

Beef: 2

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 1

Limpopo**Makhado, Blouberg Dierekliniek**

Beef: 3

10 cases

Modimolle, Kranskop Dierekliniek

Beef: 2

Mokopane, Dr Henk Visser

Beef: 2

Polokwane, Pietersburg Veterinary Clinic

Beef: 3, Dairy: 3

Tzaneen, ZZ2 Farm Practice

Beef: 1

Vaalwater, Vaalwater Dieresprekkamer

Beef: 2

Four cases

North West**Christiana, Christiana Dierehospitaal**

Beef: 3

Potchefstroom, Morvet

Beef: 3

Vryburg, Vryburg Dierehospitaal

Beef: 3

Free State**Bultfontein, Greylingrust Dieresprekkamer**

Beef: 3

Ficksburg, Oosvrystaat Dier Produkte

Beef: 2

Frankfort, Frankfort Dierekliniek

Beef: 3

Harrismith, Harrismith Dierehospitaal

Beef: 2

Ladybrand, Ladybrand Dierekliniek

Beef: 2

Reitz, Riemland Dierehospitaal

Beef: 3, Dairy: 2

Senekal, Senekal Dierekliniek

Beef: 2

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 3

Vrede, Saulshoek Dierepraktyk

Beef: 2

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 3

Camperdown, Camperdown Vet Clinic

Beef: 2

Dundee, Endumeni Herd health

Dairy: 2

Howick, Howick Veterinary Clinic

Dairy: 3

Mooi River, Mooirivier Vet Clinic

Beef: 2

Mtubatuba, Mtubatuba Animal Clinic

Beef: 3

Newcastle, Ncanduvet Newcastle

Beef: 1

Pongola, Pongola Animal Clinic

Beef: 2

Vryheid, Vryheid Privaat Veeartse

Beef: 2

Eastern Cape

Steynsburg, Steynsburg Dierehospitaal

Beef: 2

Western Cape

Heidelberg (WC), Heidelberg Dierekliniek

Dairy: 1

Blue tongue

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.3 (6)	1.8 (4)	2.7 (3)	2.8 (4)	2.3 (16)	2.3 (4)	1.8 (6)	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)				1.5 (2)	2.0 (2)			
Sheep	2.5 (4)	1.8 (4)	2.5 (2)	2.8 (4)	2.4 (14)	3.0 (1)	1.8 (5)	2.0 (3)	
Goat			3.0 (1)			2.0 (1)	2.0 (1)		

Mpumalanga

Bethal, Bethal Dierekliniek

Beef: 2

Grootvlei, Grootvlei Dierekliniek

Sheep: 2

Lydenburg, Longtom Dierekliniek

Sheep: 3

Nelspruit, Nelspruit Animal Hospital

Sheep: 3

Standerton, Econovet

Beef: 2

Volksrust, Cape Cross Volksrust Dierehospitaal

Sheep: 2

Gauteng**Bronkhorstspuit, Kerkstraat Dierekliniek**

Sheep: 2

Hammanskraal, Themba Animal Clinic

Sheep: 1

Magaliesburg, Magaliesburg; Dr Ryan Jeffrey

Sheep: 2

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Sheep: 2

4 cases

Limpopo**Modimolle, Kranskop Dierekliniek**

Sheep: 2

Polokwane, Pietersburg Veterinary Clinic

Sheep: 3, Goat: 3

North West**Brits, Brits Dierekliniek**

Sheep: 3

Christiana, Christiana Dierehospitaal

Sheep: 3

Potchefstroom, Morvet

Sheep: 3

Ventersdorp, Ventersdorp Dierekliniek

Sheep: 2

Free State**Bethlehem, Freestate Bethlehem SV**

Sheep: 1

Bultfontein, Greylingrust Diersprekkamer

Sheep: 3

Farmers did not vaccinate

Dewetsdorp, Platkop Dierekliniek

Sheep: 1

Ficksburg, Oosvrystaat Dier Produkte

Sheep: 3

Frankfort, Frankfort Dierekliniek

Sheep: 3

Harrismith, Harrismith Dierehospitaal

Sheep: 2

Hoopstad, Hoopstad Dierekliniek

Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Sheep: 3

Ladybrand, Ladybrand Dierekliniek

Beef: 1, Sheep: 3

Memel, Memel Veterinary Clinic

Sheep: 2

Parys, Parys Dierehospitaal

Sheep: 2

Reitz, Riemland Dierehospitaal

Sheep: 2

Senekal, Senekal Dierekliniek

Sheep: 2

Viljoenskroon, Viljoenskroon Dierekliniek

Sheep: 3

Vrede, Saulshoek Dierepraktyk

Beef: 2

Kwazulu-Natal

Camperdown, Camperdown Vet Clinic

Goat: 2

Howick, Howick Veterinary Clinic

Sheep: 3

Newcastle, Ncanduvet Newcastle

Beef: 2

Vryheid, Vryheid Privaat Veeartse

Beef: 2

Eastern Cape

Aliwal North, Hertzogbrug Dierekliniek

Sheep: 1

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Sheep: 2

Queenstown, Queenstown Provincial Vet Lab

Sheep: 1

Steynsburg, Steynsburg Dierehospitaal

Sheep: 3, Goat: 2

Witelsbos, Witelsbos Veterinary Consulting Rooms

Sheep: 2

Western Cape

Heidelberg (WC), Heidelberg Dierekliniek

Sheep: 2

Oudtshoorn, Ostrimed

Sheep: 2

Reports from other provinces Eastern Cape (Cradock) and NC (Fraserburg). Two suspect cases in Oudtshoorn area

Worcester, Durban Straat Dierekliniek Worcester

Sheep: 2

Nagana

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

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

Beef 2.0 (1)

Kwazulu-Natal

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
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Average

3.0 (1)

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

Sheep

3.0 (1)

Eastern Cape

Steynsburg, Steynsburg Dierehospitaal

Sheep: 3

Trichomonosis

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (4)		1.5 (2)	1.8 (4)	2.4 (8)	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 (4)		1.5 (2)	2.0 (3)	2.4 (8)	1.5 (2)			
Dairy				1.0 (1)					

Mpumalanga

Ermelo, Moregloed Veterinêre Spreekkamer

Beef: 3

Lydenburg, Longtom Dierekliniek

Beef: 1

Middelburg, Middelburg Dierehospitaal

Beef: 2

Standerton, Econovet

Beef: 2

Limpopo

Mokopane, Dr Henk Visser

Beef: 1

Polokwane, Pietersburg Veterinary Clinic

Beef: 2

North West

Brits, Brits Dierekliniek

Beef: 1, Dairy: 1

Leeudoringstad, Leeudoringstad Dierekliniek

Beef: 2

Neighbours bull jumped fence

Stella, Stella Dierekliniek

Beef: 3

Free State

Frankfort, Frankfort Dierekliniek

Beef: 3

Hoopstad, Hoopstad Dierekliniek

Beef: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 2

Ladybrand, Ladybrand Dierekliniek

Beef: 3

Senekal, Senekal Dierekliniek

Beef: 1

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 2

New farm

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 3

Winburg, Winburg Dierekliniek

Beef: 2

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Mooi River, Mooirivier Vet Clinic

Beef: 1

Positive bull found during routine testing

Vibriosis

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

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

Beef	1.0 (1)			2.5 (2)	1.7 (3)	2.0 (1)	1.0 (1)	2.0 (1)	
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Mpumalanga

Ermelo, Moregloed Veterinêre Spreekkamer

Beef: 1

North West

Leeudoringstad, Leeudoringstad Dierekliniek

Beef: 2

Neighbours bull jumped fence

Stella, Stella Dierekliniek

Beef: 3

Free State

Hoopstad, Hoopstad Dierekliniek

Beef: 1

Ladybrand, Ladybrand Dierekliniek

Beef: 3

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 1

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

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
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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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Free State

Senekal, Senekal Direkliniek

Sheep: 2

Bacterial Disease (other)

Blackquarter [^](#)

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
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Average	2.5 (2)			1.0 (1)	1.8 (6)	2.5 (2)	1.0 (2)	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	2.5 (2)			1.0 (1)	1.8 (6)	2.5 (2)	1.0 (2)		
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Sheep								2.0 (1)	3.0 (1)
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Mpumalanga

Balfour, Balfour Direkliniek

Beef: 2

Grootvlei, Grootvlei Direkliniek

Beef: 3

North West

Lichtenburg, Dr CM Kruger-Rall

Beef: 1

Free State

Bethlehem, Freestate Bethlehem SV

Beef: 1

Frankfort, Frankfort Direkliniek

Beef: 3

Reitz, Riemland Dierehospitaal

Beef: 2

Senekal, Senekal Direkliniek

Beef: 1

Vrede, Vrede Dierehospitaal

Beef: 2

Wesselsbron, Wesselsbron Direkliniek

Beef: 2

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Kokstad, E.G.Veterinary Services

Beef: 3

Clostridial diseases in adult cattle

Eastern Cape

Aliwal North, Hertzogbrug Dierekliniek

Beef: 1

Queenstown, Queenstown Veterinary clinic

Beef: 1

Western Cape

Beaufort West, Beaufort Dierekliniek

Sheep: 2

Animals not vaccinated with a multivalent clostridial vaccine

Northern Cape

Upington, Upington Veeartsenykliniek

Sheep: 3

Two farms with botulism outbreak. Carcasses in camps

Botulism

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

Mokopane, Dr Henk Visser

Beef: 2

North West

Christiana, Christiana Dierehospitaal

Beef: 1

Vryburg, Vryburg Dierehospitaal

Beef: 2

Kwazulu-Natal

Eshowe, Eshowe Veterinary Hospital

Beef: 2

Western Cape

Stellenbosch, Stellenbosch Animal Hospital

Beef: 1

Pulpy Kidney

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)	2.0 (1)	1.0 (1)	2.0 (1)	1.7 (9)		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)					
Sheep	1.0 (1)	2.0 (1)		2.0 (1)	1.7 (9)		2.0 (2)	2.0 (2)
Goat							1.0 (1)	
Mpumalanga								
Balfour, Balfour Dierekliniek								
Sheep: 1								
Gauteng								
Bronkhorstspuit, Kerkstraat Dierekliniek								
Sheep: 2								
Limpopo								
Tzaneen, ZZ2 Farm Practice								
Beef: 1								
North West								
Christiana, Christiana Dierehospitaal								
Sheep: 2								
Free State								
Bethlehem, Freestate Bethlehem SV								
Sheep: 1								
Bultfontein, Greylingrust Dieresprekkamer								
Sheep: 2								
Dewetsdorp, Platkop Dierekliniek								
Sheep: 1								
Harrismith, Harrismith Dierehospitaal								
Sheep: 1								
Hoopstad, Hoopstad Dierekliniek								
Sheep: 3								
Kroonstad, Kroonstad Dierehospitaal								
Sheep: 1								
Reitz, Riemland Dierehospitaal								
Sheep: 2								
Senekal, Senekal Dierekliniek								
Sheep: 2								
Viljoenskroon, Viljoenskroon Dierekliniek								
Sheep: 2								
Eastern Cape								
Graaff-Reinet, Camdeboo Veterinary Clinic								
Sheep: 1								
Steynsburg, Steynsburg Dierehospitaal								
Sheep: 3								
Western Cape								
Malmesbury, Dr Otto Kriek								
Goat: 1								
Northern Cape								
De Aar, De Aar Veterinary Clinic								
Sheep: 2								
Kathu, Kathu Dierekliniek								
Sheep: 2								
Lamb dysentery								^

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

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

Sheep 3.0 (1)

Eastern Cape

Steynsburg, Steynsburg Dierehospitaal

Sheep: 3

Swelled head disease

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

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

Sheep 1.0 (1) 2.0 (1)

Gauteng

Bronkhorstspuit, Kerkstraat Dierekliniek

Sheep: 1

Western Cape

Beaufort West, Beaufort West State Vet

Sheep: 2

Red gut (cattle)

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) 1.0 (1)

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

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

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1

Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 1

Free State

Harrismith, Harrismith Dierehospitaal

Beef: 2

Kwazulu-Natal

Dundee, Endumeni Herd health

Beef: 1

Blood gut (Sheep)

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

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

Sheep				2.0 (1)	1.0 (1)		1.0 (1)	3.0 (1)	
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North West**Vryburg, Vryburg Dierehospitaal**

Sheep: 2

Free State**Vrede, Vrede Dierehospitaal**

Sheep: 1

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

Sheep: 1

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

Sheep: 3

Tetanus

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

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

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

Free State**Reitz, Riemland Dierehospitaal**

Sheep: 1

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

Sheep: 1

Queenstown, Queenstown Provincial Vet Lab

Beef: 1

Salmonellosis

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

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1

Gauteng

Bronkhorstspuit, Kerkstraat Dierekliniek

Beef: 1

Kwazulu-Natal

Mooi River, Mooirivier Vet Clinic

Beef: 1

Eastern Cape

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Sheep: 2

Brucella abortus

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

Average			1.0 (1)	2.0 (3)	2.3 (3)		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			1.0 (1)	2.0 (3)	2.3 (3)		2.0 (1)	1.0 (1)	
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Limpopo

Mokopane, Dr Henk Visser

Beef: 1

North West

Christiana, Christiana Dierehospitaal

Beef: 1

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 2

Lichtenburg, Dr CM Kruger-Rall

Beef: 3

65 cases

Free State

Bethlehem, Freestate Bethlehem SV

Beef: 1

Still a huge problem, all farmers are not testing. On many occasions where positive animals are found, control measures are not applied

Hoopstad, Hoopstad Dierekliniek

Beef: 3

Winburg, Winburg Dierekliniek

Beef: 3

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

Beef: 2

Western Cape**Darling, Tygerberg Dierehospitaal Darling**

Beef: 1

Cattle bought at an auction

Brucella ovis

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

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

Sheep					3.0 (2)		2.0 (1)	1.0 (1)	
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Free State**Frankfort, Frankfort Dierekliniek**

Sheep: 3

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 3

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

Sheep: 2

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

Sheep: 1

Old case

Johne`s disease

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

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

Sheep					1.0 (1)			1.5 (2)	
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Free State**Reitz, Riemland Dierehospitaal**

Sheep: 1

Sheep positive on Elisa. Awaiting histology results. Classical necropsy.

Western Cape

Heidelberg (WC), Heidelberg Dierekliniek

Sheep: 1

Wellington, Wellington Dierehospitaal

Sheep: 2

Three new farms

Septicaemia

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

Average	1.0 (1)				3.0 (1)	2.5 (2)			
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Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

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

Mpumalanga**Volkstrust, Cape Cross Volkstrust Dierehospitaal**

Sheep: 1

Free State**Harrismith, Harrismith Dierehospitaal**

Sheep: 3

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

Beef: 3, Dairy: 2

E .coli

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

Average	2.3 (4)			3.0 (5)	2.6 (20)	2.3 (3)	1.5 (4)		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

Beef	2.0 (2)			3.0 (3)	2.7 (6)	2.0 (2)			
Dairy					2.5 (2)	3.0 (1)	2.0 (1)		
Sheep	2.5 (2)			3.0 (2)	2.6 (12)		1.3 (3)		3.0 (1)
Goat									2.0 (1)

Mpumalanga**Balfour, Balfour Dierekliniek**

Beef: 2

Hendrina, Mooiplaas Veterinêre Dienste

Beef: 2

Standerton, Econovet

Sheep: 2

Volksrust, Cape Cross Volksrust Dierehospitaal

Sheep: 3

North West**Klerksdorp, Klerksdorp Dierehospitaal**

Beef: 3, Sheep: 3

Lichtenburg, Dr CM Kruger-Rall

Beef: 3

Including 5 calves

Ventersdorp, Ventersdorp Dierekliniek

Beef: 3, Sheep: 3

Free State**Clocolan, Clocolan Dierekliniek**

Beef: 2, Dairy: 2, Sheep: 2

Ficksburg, Oosvrystaat Diere Produkte

Beef: 3, Dairy: 3, Sheep: 3

Harrismith, Harrismith Dierehospitaal

Sheep: 3

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Sheep: 2

Ladybrand, Ladybrand Dierekliniek

Sheep: 3

Reitz, Riemland Dierehospitaal

Sheep: 3

Did not do culture. Young lambs, 3 tot 8 days old.

Senekal, Senekal Dierekliniek

Sheep: 2

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 3, Sheep: 3

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 2

Vrede, Saulshoek Dierepraktyk

Beef: 2, Sheep: 2

Winburg, Winburg Dierekliniek

Beef: 3, Sheep: 3

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

Beef: 3, Dairy: 3

Mooi River, Mooirivier Vet Clinic

Beef: 1

Eastern Cape**Aliwal North, Hertzogbrug Dierekliniek**

Sheep: 1

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Sheep: 2

Kareedouw, Tenax Vet Clinic

Dairy: 2

Three calves - at necropsy positive for *E. coli* and *Klebsiella*

Sheep: 1

One lamb at necropsy positive for *E. coli* and *Klebsiella*

Northern Cape**Postmasburg, Postmasburg Direkliniek**

Goat: 2

Upington, Upington Veeartsenykliniek

Sheep: 3

Three farms, lambs with meningitis, septicaemia, arthritis in the Kenhard areas. Confirmed at the laboratory.

Enzootic Abortion

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

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

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

Mpumalanga**Ermelo, Moregloed Veterinêre Spreekkamer**

Goat: 1

Gauteng**Bronkhorstspuit, Kerkstraat Direkliniek**

Goat: 2

Hammanskraal, Themba Animal Clinic

Goat: 2

Free State**Ladybrand, Ladybrand Direkliniek**

Sheep: 2

Wesselsbron, Wesselsbron Direkliniek

Sheep: 1

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

Sheep: 2

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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Mpumalanga**Volkstrust, Cape Cross Volkstrust Dierehospitaal**

Sheep: 2

Bovine Dermatophilosis (Senkobo disease)

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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Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 2

Free State

Frankfort, Frankfort Dierekliniek

Beef: 3

Kwazulu-Natal

Pietermaritzburg, Veterinary House Hospital

Beef: 1

Fusibacterium necrophorum



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

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

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

Free State

Senekal, Senekal Dierekliniek

Beef: 2

Western Cape

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 2

Stellenbosch, Stellenbosch Animal Hospital

Dairy: 1

Listeriosis



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
Ladybrand, Ladybrand Dierekliniek
 Sheep: 1

Other ^

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
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Average					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					3.0 (1)				
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Free State
Vrede, Saulshoek Dierepraktyk
 Sheep: 3
Pasteurilla multocida type B

Protozoal diseases (other)

Coccidiosis ^

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
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Average		1.0 (1)	2.0 (1)	1.0 (1)	2.0 (4)	1.0 (2)	1.3 (6)	1.5 (2)	
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Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef		1.0 (1)	2.0 (1)						
Dairy							1.0 (1)		
Sheep				1.0 (1)	2.0 (4)	1.0 (2)	2.0 (1)	1.5 (2)	
Goat							1.3 (4)		

Gauteng
Pretoria, Anima Veterinary Consulting Rooms
 Beef: 1
Limpopo
Makhado, Blouberg Dierekliniek
 Beef: 2
 6 cases calves
North West

Klerksdorp, Klerksdorp Dierehospitaal

Sheep: 1

Free State**Frankfort, Frankfort Dierekliniek**

Sheep: 3

Reitz, Riemland Dierehospitaal

Sheep: 2

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 2

Wesselsbron, Wesselsbron Dierekliniek

Sheep: 1

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

Sheep: 1

Estcourt, Estcourt Vet Clinic

Sheep: 1

Eastern Cape**Alexandria, Alexandria Platteland Spreekkamer**

Dairy: 1

Bathurst, Dr Jane Pistorius

Goat: 1

Graaff-Reinet, Camdeboo Veterinary Clinic

Goat: 2

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Goat: 1

Witelsbos, Witelsbos Veterinary Consulting Rooms

Sheep: 2, Goat: 1

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

Sheep: 1

Intensification, kraaled at night

Caledon, Caledon Dierekliniek

Sheep: 2

Cryptosporidium

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (2)	3.0 (1)		3.0 (2)	2.5 (11)	2.3 (3)	2.0 (2)	2.5 (2)	2.0 (1)

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

Beef	1.0 (1)	3.0 (1)		3.0 (1)	2.0 (4)	2.0 (2)	1.0 (1)		
Dairy							3.0 (1)	2.5 (2)	
Sheep	1.0 (1)			3.0 (1)	2.7 (7)	3.0 (1)			2.0 (1)

Mpumalanga**Balfour, Balfour Dierekliniek**

Beef: 1, Sheep: 1

Gauteng

Magaliesburg, Magaliesburg; Dr Ryan Jeffrey

Beef: 3

Calves - cryptosporidiosis with secondary septicaemia

North West**Vryburg, Vryburg Dierehospitaal**

Beef: 3, Sheep: 3

Free State**Bultfontein, Greylingrust Dieresprekkamer**

Beef: 2, Sheep: 3

Ficksburg, Oosvrystaat Diere Produkte

Beef: 2, Sheep: 3

Frankfort, Frankfort Dierekliniek

Sheep: 3

Harrismith, Harrismith Dierehospitaal

Sheep: 3

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 2

Vrede, Saulshoek Dierepraktyk

Beef: 1, Sheep: 2

Winburg, Winburg Dierekliniek

Beef: 3, Sheep: 3

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

Beef: 1

Kokstad, E.G.Veterinary Services

Beef: 3, Sheep: 3

Eastern Cape**Humansdorp, Humansdorp Veterinary Clinic**

Beef: 1

Jeffreys Bay, Cape Cross Veterinary Hospital

Dairy: 3

Western Cape**George, George Animal Hospital**

Dairy: 3

Worcester, Durban Straat Dierekliniek Worcester

Dairy: 2

Northern Cape**Kimberley, Kimberley Dierekliniek**

Sheep: 2

Lamb deaths, diarrhoea: Cryptosporidiosis plus *E. coli***Fungal diseases****Ringworm**

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)	3.0 (1)	2.0 (3)	2.3 (4)		1.5 (2)	

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

Beef	2.0 (2)	1.0 (1)	3.0 (1)	2.0 (3)	2.3 (4)				
Dairy								1.5 (2)	
Sheep		1.0 (1)							

Mpumalanga

Grootvlei, Grootvlei Dierekliniek

Beef: 2

Volkstrust, Cape Cross Volkstrust Dierehospitaal

Beef: 2

Gauteng

Pretoria, Anima Veterinary Consulting Rooms

Sheep: 1

Limpopo

Mokopane, Dr Henk Visser

Beef: 1

North West

Christiana, Christiana Dierehospitaal

Beef: 3

Free State

Frankfort, Frankfort Dierekliniek

Beef: 3

Memel, Memel Veterinary Clinic

Beef: 2

Vrede, Saulshoek Dierepraktyk

Beef: 1

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Howick, Howick Veterinary Clinic

Beef: 3

Pietermaritzburg, Veterinary House Hospital

Beef: 3

Pongola, Pongola Animal Clinic

Beef: 1

Western Cape

Malmesbury, Malmesbury Dierehospitaal

Dairy: 2

Stellenbosch, Stellenbosch Animal Hospital

Dairy: 1

Viral Diseases (other)

BMC (Snotsiekte)

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

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

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

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 2

Loskopdam, Loskop Dierekliniek

Beef: 2

Five confirmed cases

Nelspruit, Nelspruit Animal Hospital

Beef: 2

Gauteng

Bronkhorstspuit, Kerkstraat Dierekliniek

Beef: 1

Limpopo

Makhado, Blouberg Dierekliniek

Beef: 2

Vaalwater, Vaalwater Dieresprekkamer

Beef: 1

North West

Christiana, Christiana Dierehospitaal

Beef: 1

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 1

Rustenburg, Bergbos Dierekliniek

Beef: 1

Free State

Ficksburg, Oosvrystaat Dier Produkte

Beef: 1

Kroonstad, Kroonstad Dierehospitaal

Beef: 2

Kwazulu-Natal

Pongola, Pongola Animal Clinic

Beef: 1

Eastern Cape

Alexandria, Alexandria Platteland Spreekkamer

Beef: 2

Western Cape

George, George Animal Hospital

Dairy: 1

Rabies

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

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

Beef					1.0 (1)				
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Goat 1.0 (2)

Free State

Ladybrand, Ladybrand Dierekliniek

Beef: 1

Eastern Cape

Cofimvaba, State Vet Cofimvaba

Goat: 1

Queenstown, Queenstown Provincial Vet Lab

Goat: 1

BVD (Bovine viral diarrhoea) ^

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

Average		1.0 (1)				1.0 (1)			
----------------	--	---------	--	--	--	---------	--	--	--

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)

Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 1

Kwazulu-Natal

Pietermaritzburg, Veterinary House 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)			
----------------	--	--	--	---------	--	---------	--	--	--

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)

North West

Vryburg, Vryburg Dierehospitaal

Beef: 2

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
----------	------------	---------	---------	------------	------------	---------------	--------------	--------------	---------------

Average					1.0 (1)		1.0 (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)		
Dairy					1.0 (1)		1.0 (1)	1.0 (1)	

Free State

Clocolan, Clocolan Dierekliniek

Dairy: 1

Eastern Cape

Humansdorp, Humansdorp Veterinary Clinic

Beef: 1

Somerset East, Bosberg Veterinary Clinic

Dairy: 1

Western Cape

Worcester, Durban Straat Dierekliniek Worcester

Dairy: 1

Orf

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)	1.8 (4)	2.0 (1)	2.0 (3)	2.3 (4)	2.0 (2)	1.5 (2)	2.5 (2)	2.5 (2)

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

Sheep	1.0 (1)	1.5 (2)			2.3 (3)	2.0 (1)		2.5 (2)	2.0 (1)
Goat		2.0 (2)	2.0 (1)	2.0 (3)	2.0 (1)	2.0 (1)	1.5 (2)		3.0 (1)

Mpumalanga

Ermelo, Moregloed Veterinêre Spreekkamer

Sheep: 1

Gauteng

Bronkhorstspuit, Kerkstraat Dierekliniek

Goat: 2

Hammanskraal, Themba Animal Clinic

Sheep: 2, Goat: 2

Pretoria, Anima Veterinary Consulting Rooms

Sheep: 1

Limpopo

Polokwane, Pietersburg Veterinary Clinic

Goat: 2

North West

Christiana, Christiana Dierehospitaal

Goat: 2

Klerksdorp, Klerksdorp Dierehospitaal

Goat: 2

Leeudoringstad, Leeudoringstad Dierekliniek

Goat: 2

Free State**Parys, Parys Dierehospitaal**

Sheep: 3

Viljoenskroon, Viljoenskroon Dierekliniek

Goat: 2

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 2

Vrede, Saulshoek Dierepraktyk

Sheep: 2

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

Sheep: 2, Goat: 2

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

Goat: 2

Uitenhage, Uitenhage Dierehospitaal

Goat: 1

Western Cape**George, George Animal Hospital**

Sheep: 3

Worcester, Durban Straat Dierekliniek Worcester

Sheep: 2

Northern Cape**Calvinia, Calvinia Veeartskliniek**

Sheep: 2

Upington, Upington Veeartsenykliniek

Goat: 3

Warts

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

Mpumalanga**Balfour, Balfour Dierekliniek**

Beef: 1

Ermelo, Moregloed Veterinêre Spreekkamer

Beef: 2

Gauteng**Bronkhorstspuit, Kerkstraat Dierekliniek**

Beef: 2

Hammanskraal, Themba Animal Clinic

Beef: 1

Free State**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

Estcourt, Estcourt Vet Clinic

Beef: 1

Pietermaritzburg, Veterinary House Hospital

Beef: 3

Vryheid, Vryheid Privaat Veeartse

Beef: 2

Northern Cape

Kimberley, Kimberley Dierekliniek

Beef: 1

Abattoir

Postmasburg, Postmasburg Dierekliniek

Goat: 2

Other viral disease not listed

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

3.0 (1)

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

Dairy

3.0 (1)

Eastern Cape

Jeffreys Bay, Cape Cross Veterinary Hospital

Dairy: 3

Many cases of herpes mammillitis

Poisonings (Plant) and Fungal

Cardiac glycoside poisoning

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

1.0 (1)

2.0 (1)

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

Dairy

1.0 (1)

Sheep

2.0 (1)

Kwazulu-Natal

Dundee, Endumeni Herd health

Dairy: 1

Western Cape

Beaufort West, Beaufort West State Vet

Sheep: 2

Drought conditions

Cestrum

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

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

Beef

2.0 (1)

Dairy

3.0 (1)

Free State**Ficksburg, Oosvrystaat Diere Produkte**

Beef: 2

Eastern Cape**Alexandria, Alexandria Platteland Spreekkamer**

Dairy: 3

Cynanchum poisoning

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

Beef

1.0 (1)

Sheep

1.0 (1)

Western Cape**Riversdale, Riversdal Dierekliniek**

Beef: 1, Sheep: 1

Facial eczema

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)	

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	3.0 (1)	1.0 (1)
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Mpumalanga

Nelspruit, Nelspruit Animal Hospital

Sheep: 3

Free State

Reitz, Riemland Dierehospitaal

Sheep: 1

Western Cape

George, George Animal Hospital

Dairy: 3

Geeldikkop/Dikoor

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

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

Sheep	1.0 (1)				2.3 (3)		1.0 (1)	2.0 (1)	
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Mpumalanga

Ermelo, Moregloed Veterinêre Spreekkamer

Sheep: 1

Free State

Kroonstad, Kroonstad Dierehospitaal

Sheep: 2

Ladybrand, Ladybrand Dierekliniek

Sheep: 3

Wesselsbron, Wesselsbron Dierekliniek

Sheep: 2

Eastern Cape

Graaff-Reinet, Camdeboo Veterinary Clinic

Sheep: 1

Western Cape

Malmesbury, Malmesbury Dierehospitaal

Sheep: 2

Kikuyu grass poisoning

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

Dairy							2.5 (2)		
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Eastern Cape

Alexandria, Alexandria Platteland Spreekkamer

Dairy: 3

Jeffreys Bay, Cape Cross Veterinary Hospital

Dairy: 2

Lantana

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

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

Beef	1.0 (2)		1.0 (1)			2.3 (3)			
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Mpumalanga**Lydenburg, Longtom Dierekliniek**

Beef: 1

Nelspruit, Nelspruit Animal Hospital

Beef: 1

Limpopo**Tzaneen, ZZ2 Farm Practice**

Beef: 1

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

Beef: 2

Camperdown, Camperdown Vet Clinic

Beef: 2

Vryheid, Vryheid Privaat Veeartse

Beef: 3

Prussic acid poisoning

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

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

Sheep					1.5 (2)		3.0 (1)		
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Free State**Ladybrand, Ladybrand Dierekliniek**

Sheep: 2

Vrede, Vrede Dierehospitaal

Sheep: 1

Eastern Cape**Steynsburg, Steynsburg Dierehospitaal**

Sheep: 3

Seneciosis [^](#)

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

Beef					1.0 (1)				
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Free State

Vrede, Saulshoek Dierepraktyk

Beef: 1

Vermeersiekte (*Gaigeria spp.*) [^](#)

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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Free State

Harrismith, Harrismith Dierehospitaal

Sheep: 2

Mycotoxicosis [^](#)

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

Volkstrust, Cape Cross Volkstrust Dierehospitaal

Sheep: 2

Kwazulu-Natal

Dundee, Endumeni Herd health

Dairy: 2

Eastern Cape

Humansdorp, Humansdorp Veterinary Clinic

Beef: 1

Red light for ruminant producers

Western Cape

Malmesbury, Malmesbury Dierehospitaal

Dairy: 2

Other

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

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

Beef 1.0 (1) 3.0 (1)

Mpumalanga

Lydenburg, Longtom Dierekliniek

Beef: 1

North West

Christiana, Christiana Dierehospitaal

Beef: 3

Slangkop

Poisonings

Urea Poisoning

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) 2.0 (1)

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1

North West

Vryburg, Vryburg Dierehospitaal

Beef: 2

Snake Bite

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

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

Mpumalanga

Ermelo, Moregloed Veterinêre Spreekkamer

Beef: 2

North West

Brits, Brits Dierekliniek

Beef: 2

Free State

Clocolan, Clocolan Dierekliniek

Beef: 1

Ladybrand, Ladybrand Dierekliniek

Beef: 1, Sheep: 1

Blue-green algae

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

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

Beef					2.0 (1)				
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Free State

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2

Copper Poisoning

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

Sheep								1.0 (1)	2.0 (1)
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Western Cape

Heidelberg (WC), Heidelberg Dierekliniek

Sheep: 1

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

North West

Christiana, Christiana Dierehospitaal

Sheep: 1

Free State

Frankfort, Frankfort Dierekliniek

Sheep: 3

Western Cape

Beaufort West, Beaufort West State Vet

Goat: 2

Drought

Malmesbury, Dr Otto Kriek

Beef: 1, Dairy: 1

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 (1)						2.0 (2)	3.0 (4)

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

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

Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 2

Western Cape

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Sheep: 2

Northern Cape

De Aar, De Aar Veterinary Clinic

Sheep: 3

Wet carcasses, protein deficiency, poor grazing, loss of weight. See this when it is dry. Had rain but very dry at the moment.

Postmasburg, Postmasburg Dierekliniek

Beef: 3, Sheep: 3, Goat: 3

Phosphate deficiency

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

Christiana, Christiana Dierehospitaal

Beef: 2

Free State

Frankfort, Frankfort Dierekliniek

Beef: 3

Western Cape

Stellenbosch, Stellenbosch Animal Hospital

Beef: 1

Northern Cape

Kuruman, State Vet Kuruman

Beef: 3

Postmasburg, Postmasburg Dierekliniek

Beef: 3

Calcium deficiency

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 (2)		3.0 (1)	3.0 (1)	

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

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

Gauteng

Pretoria, Anima Veterinary Consulting Rooms

Beef: 1

North West

Lichtenburg, Dr CM Kruger-Rall

Beef: 1

Free State

Frankfort, Frankfort Dierekliniek

Sheep: 3

Ladybrand, Ladybrand Dierekliniek

Dairy: 1

Eastern Cape

Steynsburg, Steynsburg Dierehospitaal

Sheep: 3

Western Cape
Malmesbury, Malmesbury Dierehospitaal
 Dairy: 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 (1)		1.0 (1)	

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

Dairy						2.0 (1)			
Sheep								1.0 (1)	

Kwazulu-Natal
Dundee, Endumeni Herd health
 Dairy: 2

Western Cape
Stellenbosch, Stellenbosch Animal Hospital
 Sheep: 1

Zinc deficiency

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

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

Dairy							2.0 (1)		
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Eastern Cape
Alexandria, Alexandria Platteland Spreekkamer
 Dairy: 2

Selenium deficiency

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

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

North West**Christiana, Christiana Dierehospitaal**

Sheep: 2

Magnesium 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)

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

Sheep

3.0 (1)

Eastern Cape**Steynsburg, Steynsburg Dierehospitaal**

Sheep: 3

Manganese deficiency

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

2.0 (1)

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

Dairy

2.0 (1)

Eastern Cape**Alexandria, Alexandria Platteland Spreekkamer**

Dairy: 2

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)

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)

North West**Christiana, Christiana Dierehospitaal**

Beef: 3

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)	2.0 (1)			2.2 (5)	2.3 (12)		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	1.5 (2)				2.5 (2)	2.3 (7)		1.5 (2)	
Dairy					1.0 (1)	3.0 (1)		3.0 (3)	
Sheep		2.0 (1)			2.5 (2)	2.3 (3)		2.0 (1)	
Goat						1.0 (1)			

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 2

Volkstrust, Cape Cross Volkstrust Dierehospitaal

Beef: 1

Gauteng

Pretoria, Anima Veterinary Consulting Rooms

Sheep: 2

Free State

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 2, Dairy: 1

Wesselsbron, Wesselsbron Dierekliniek

Sheep: 2

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Howick, Howick Veterinary Clinic

Beef: 3, Dairy: 3, Sheep: 3

Kokstad, E.G.Veterinary Services

Beef: 3, Sheep: 3

Mooi River, Moirivier Vet Clinic

Beef: 2

Newcastle, Ncanduvet Newcastle

Beef: 3

Pietermaritzburg, Veterinary House Hospital

Beef: 2

Pongola, Pongola Animal Clinic

Beef: 1, Sheep: 1, Goat: 1

Western Cape

Darling, Tygerberg Dierehospitaal Darling

Dairy: 3

Malmesbury, Dr Otto Kriek

Dairy: 3

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 3, Sheep: 2

Stellenbosch, Stellenbosch Animal Hospital

Beef: 1

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

Gauteng

Magaliesburg, Magaliesburg; Dr Ryan Jeffrey

Beef: 2

Stillbirths and abnormal calves born

North West

Vryburg, Vryburg Dierehospitaal

Beef: 1

Free State

Dewetsdorp, Platkop Dierekliniek

Sheep: 2

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Howick, Howick Veterinary Clinic

Beef: 2, Dairy: 3

Abscesses									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)	1.0 (4)	2.0 (3)	1.5 (2)	2.3 (6)	1.9 (7)	2.0 (3)	1.8 (8)	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 (2)	2.3 (3)	2.0 (3)		1.3 (3)	
Dairy					2.0 (1)	3.0 (1)		2.0 (2)	

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

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1

Gauteng

Pretoria, Anima Veterinary Consulting Rooms

Sheep: 1

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 1, Sheep: 1, Goat: 1

Limpopo

Polokwane, Pietersburg Veterinary Clinic

Beef: 2, Sheep: 2, Goat: 2

North West

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 2

Lichtenburg, Dr CM Kruger-Rall

Beef: 1

Free State

Bultfontein, Greylingrust Dieresprekkamer

Beef: 2, Sheep: 2

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Ladybrand, Ladybrand Dierekliniek

Beef: 2

Senekal, Senekal Dierekliniek

Dairy: 2

Kwazulu-Natal

Camperdown, Camperdown Vet Clinic

Goat: 1

Estcourt, Estcourt Vet Clinic

Beef: 2, Sheep: 1, Goat: 2

Howick, Howick Veterinary Clinic

Dairy: 3

Mooi River, Mooirivier Vet Clinic

Beef: 2

Pietermaritzburg, Veterinary House Hospital

Beef: 2

Eastern Cape

Graaff-Reinet, Camdeboo Veterinary Clinic

Goat: 1

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Goat: 2

Steynsburg, Steynsburg Dierehospitaal

Sheep: 3

Western Cape

Malmesbury, Invitrotech

Dairy: 1

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 3, Sheep: 2

Oudtshoorn, Ostrimed

Sheep: 2, Goat: 2

Oudtshoorn, Oudtshoorn Dierekliniek

Beef: 1

Corynebacterium

Stellenbosch, Stellenbosch Animal Hospital

Beef: 1

Northern Cape

Kimberley, Kimberley Dierekliniek

Sheep: 3

Corynebacterium pseudotuberculosis; lamb deaths, hepatic abscesses

Abscesses in general

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.5 (2)	2.0 (3)	2.0 (3)	3.0 (3)	2.0 (5)	2.0 (3)	3.0 (1)	2.3 (4)	

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

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

Mpumalanga

Lydenburg, Longtom Dierekliniek

Beef: 3, Sheep: 2

Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 2, Sheep: 2, Goat: 2

Limpopo

Polokwane, Pietersburg Veterinary Clinic

Beef: 2, Sheep: 2, Goat: 2

North West

Christiana, Christiana Dierehospitaal

Beef: 3, Sheep: 3

Vryburg, Vryburg Dierehospitaal

Sheep: 3

Free State

Dewetsdorp, Platkop Dierekliniek

Beef: 1

Frankfort, Frankfort Dierekliniek

Beef: 2

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Ladybrand, Ladybrand Dierekliniek

Goat: 1

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2

Ticks

Goat: 2

Eastern Cape**Steynsburg, Steynsburg Dierehospitaal**

Sheep: 3

Western Cape**George, George Animal Hospital**

Dairy: 2

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 3, Sheep: 2

Bladder stones

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

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

Mpumalanga**Bethal, Bethal Dierekliniek**

Beef: 1

Volkstrust, Cape Cross Volkstrust Dierehospitaal

Sheep: 3

Free State**Ladybrand, Ladybrand Dierekliniek**

Sheep: 2

Reitz, Riemland Dierehospitaal

Sheep: 2

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

Sheep: 1

Queenstown, Queenstown Provincial Vet Lab

Sheep: 1

Blindness

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
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Average					2.3 (3)		2.5 (4)	2.0 (2)	
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Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

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

Free State

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Sheep: 1

Eastern Cape

Cofimvaba, State Vet Cofimvaba

Sheep: 1

Steynsburg, Steynsburg Dierehospitaal

Beef: 3, Sheep: 3, Goat: 3

Western Cape

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 2

Bloat [^](#)

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

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

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

Gauteng

Hammanskraal, Themba Animal Clinic

Goat: 1

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Sheep: 1, Goat: 1

Free State

Senekal, Senekal Dierekliniek

Beef: 1

Western Cape

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 3, Sheep: 2

Blood gut (sheep and goat) torsion of the gut [^](#)

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

3.0 (1)

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

Sheep

3.0 (1)

Western Cape

Heidelberg (WC), Heidelberg Dierekliniek

Sheep: 3

Blue udder

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)

1.8 (5)

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

2.0 (1)

1.0 (1)

2.0 (1)

Sheep

1.0 (1)

1.0 (1)

2.0 (4)

2.3 (3)

Mpumalanga

Volksrust, Cape Cross Volksrust Dierehospitaal

Sheep: 1

Gauteng

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Sheep: 1

North West

Vryburg, Vryburg Dierehospitaal

Dairy: 2

Free State

Frankfort, Frankfort Dierekliniek

Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Dairy: 1

Ladybrand, Ladybrand Dierekliniek

Sheep: 2

Philippolis, Rowelsfontein veearts Spreekkamer

Sheep: 2

Reitz, Riemland Dierehospitaal

Sheep: 1

Western Cape

Heidelberg (WC), Heidelberg Dierekliniek

Sheep: 2

Malmesbury, Malmesbury Dierehospitaal

Dairy: 2, Sheep: 2

Piketberg, Piketberg Dierehospitaal

Sheep: 3

Diarrhoea									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (3)	2.0 (1)		2.0 (7)	2.3 (17)	2.0 (4)	2.0 (1)	2.6 (5)	2.0 (1)
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef	1.0 (2)	2.0 (1)		2.5 (4)	2.1 (7)	2.0 (3)	2.0 (1)	3.0 (1)	
Dairy					2.0 (1)			2.5 (2)	
Sheep	1.0 (1)			1.3 (3)	2.4 (9)	2.0 (1)		2.5 (2)	2.0 (1)

Mpumalanga**Balfour, Balfour Dierekliniek**

Beef: 1

Lydenburg, Longtom Dierekliniek

Beef: 1, Sheep: 1

Gauteng**Hammanskraal, Themba Animal Clinic**

Beef: 2

North West**Christiana, Christiana Dierehospitaal**

Beef: 3

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 1, Sheep: 1

Leeudoringstad, Leeudoringstad Dierekliniek

Sheep: 2

Lichtenburg, Dr CM Kruger-Rall

Beef: 3, Sheep: 1

Vryburg, Vryburg Dierehospitaal

Beef: 3

Free State**Bultfontein, Greylingrust Dieresprekkamer**

Beef: 2, Sheep: 3

Clocolan, Clocolan Dierekliniek

Beef: 2, Dairy: 2, Sheep: 2

Frankfort, Frankfort Dierekliniek

Sheep: 3

*Cryptosporidium, many, many***Hoopstad, Hoopstad Dierekliniek**

Beef: 3, Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 1, Sheep: 2

Memel, Memel Veterinary Clinic

Beef: 2, Sheep: 2

Reitz, Riemland Dierehospitaal

Beef: 3, Sheep: 3

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2, Sheep: 3

Wesselsbron, Wesselsbron Dierekliniek

Sheep: 1

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Dundee, Endumeni Herd health

Beef: 2, Sheep: 2

Mooi River, Mooirivier Vet Clinic

Beef: 2

Eastern Cape

Humansdorp, Humansdorp Veterinary Clinic

Beef: 2

Western Cape

Caledon, Caledon Dierekliniek

Sheep: 2

Malmesbury, Invitrotech

Dairy: 2

Malmesbury, Malmesbury Dierehospitaal

Beef: 3, Dairy: 3, Sheep: 3

Northern Cape

Kimberley, Kimberley Dierekliniek

Sheep: 2

Lamb deaths

Epididymitis

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

Sheep					3.0 (1)				
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Goat		1.0 (1)							
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Gauteng

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Goat: 1

Free State

Frankfort, Frankfort Dierekliniek

Sheep: 3

Eye Cancer

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

Beef	2.0 (1)				2.0 (1)
Dairy		1.8 (4)	3.0 (1)	2.0 (1)	2.0 (1)
Sheep		2.0 (1)			

Limpopo

Polokwane, Pietersburg Veterinary Clinic

Beef: 2

Free State

Clocolan, Clocolan Dierekliniek

Dairy: 1

Kroonstad, Kroonstad Dierehospitaal

Dairy: 2

Ladybrand, Ladybrand Dierekliniek

Dairy: 2

Memel, Memel Veterinary Clinic

Sheep: 2

Reitz, Riemland Dierehospitaal

Dairy: 2

Kwazulu-Natal

Howick, Howick Veterinary Clinic

Dairy: 3

Eastern Cape

Alexandria, Alexandria Platteland Spreekkamer

Dairy: 2

Western Cape

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 2

Eye infections

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.1 (7)	2.2 (5)	1.0 (1)	2.1 (7)	2.3 (16)	2.3 (9)	1.0 (1)	2.0 (7)	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	2.2 (5)	2.3 (3)	1.0 (1)	2.2 (5)	2.3 (11)	2.5 (6)		1.8 (4)	1.5 (2)
Dairy					2.0 (1)	3.0 (1)		2.0 (1)	
Sheep	2.0 (2)	2.0 (1)		2.0 (2)	2.5 (4)	2.0 (1)		2.5 (2)	2.0 (1)

Goat	2.0 (1)	1.0 (1)	1.0 (1)	2.0 (1)
Mpumalanga				
Balfour, Balfour Dierekliniek				
Beef: 2, Sheep: 2				
Bethal, Bethal Dierekliniek				
Beef: 1				
Grootvlei, Grootvlei Dierekliniek				
Beef: 2, Sheep: 2				
Lydenburg, Longtom Dierekliniek				
Beef: 3				
Volkstrust, Cape Cross Volkstrust Dierehospitaal				
Beef: 3				
Gauteng				
Hammanskraal, Themba Animal Clinic				
Beef: 2, Goat: 2				
Pretoria, Anima Veterinary Consulting Rooms				
Beef: 2, Sheep: 2				
Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic				
Beef: 3				
Limpopo				
Modimolle, Kranskop Dierekliniek				
Beef: 1				
Cow with conjunctivitis				
North West				
Christiana, Christiana Dierehospitaal				
Beef: 3				
Klerksdorp, Klerksdorp Dierehospitaal				
Beef: 2, Sheep: 2				
Lichtenburg, Dr CM Kruger-Rall				
Beef: 2				
Ventersdorp, Ventersdorp Dierekliniek				
Beef: 2, Sheep: 2				
Vryburg, Vryburg Dierehospitaal				
Beef: 2				
Free State				
Clocolan, Clocolan Dierekliniek				
Beef: 2				
Frankfort, Frankfort Dierekliniek				
Beef: 3, Sheep: 3				
Harrismith, Harrismith Dierehospitaal				
Beef: 2				
Kroonstad, Kroonstad Dierehospitaal				
Beef: 3, Sheep: 2				
Ladybrand, Ladybrand Dierekliniek				
Beef: 3				
Parys, Parys Dierehospitaal				
Beef: 2				
Philippolis, Rowelsfontein veearts Spreekkamer				
Beef: 1				
Reitz, Riemland Dierehospitaal				
Beef: 3, Dairy: 2, Sheep: 3				
Senekal, Senekal Dierekliniek				
Beef: 2, Sheep: 2				
Viljoenskroon, Viljoenskroon Dierekliniek				
Beef: 3				

Wesselsbron, Wesselsbron Dierekliniek

Beef: 1

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

Beef: 3

Howick, Howick Veterinary Clinic

Beef: 3, Dairy: 3

Mooi River, Mooirivier Vet Clinic

Beef: 2

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2

Pietermaritzburg, Veterinary House Hospital

Beef: 3

Pongola, Pongola Animal Clinic

Goat: 1

Vryheid, Vryheid Privaat Veeartse

Beef: 2, Sheep: 2

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

Goat: 1

Western Cape**Caledon, Caledon Dierekliniek**

Beef: 2

Darling, Tygerberg Dierehospitaal Darling

Sheep: 2

George, George Animal Hospital

Sheep: 3

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 2

Piketberg, Piketberg Dierehospitaal

Beef: 2

Verse

Stellenbosch, Stellenbosch Animal Hospital

Beef: 1

Northern Cape**Kimberley, Kimberley Dierekliniek**

Beef: 1

Abattoir - pink eye

Postmasburg, Postmasburg Dierekliniek

Beef: 2, Sheep: 2, Goat: 2

Joint Ill									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (2)	1.0 (2)	1.0 (1)	2.0 (2)	1.8 (4)	1.7 (3)	1.0 (2)	2.0 (2)	3.0 (1)
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef	2.0 (1)		1.0 (1)	2.0 (1)	1.7 (3)	1.7 (3)		2.0 (1)	

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

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 2

Lydenburg, Longtom Dierekliniek

Sheep: 2

Gauteng

Pretoria, Anima Veterinary Consulting Rooms

Sheep: 1

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Sheep: 1

Septic arthritis

Limpopo

Tzaneen, ZZ2 Farm Practice

Beef: 1

North West

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 2, Sheep: 2

Free State

Frankfort, Frankfort Dierekliniek

Beef: 2, Sheep: 2

Kroonstad, Kroonstad Dierehospitaal

Beef: 1

Memel, Memel Veterinary Clinic

Beef: 2

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Estcourt, Estcourt Vet Clinic

Beef: 1

Howick, Howick Veterinary Clinic

Beef: 2

Eastern Cape

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Sheep: 1

Queenstown, Queenstown Provincial Vet Lab

Sheep: 1

Western Cape

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 2

Northern Cape

Calvinia, Calvinia Veeartskliniek

Sheep: 3

Lameness/Foot Problems

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.8 (6)	2.2 (6)	2.0 (6)	2.7 (3)	2.3 (15)	2.4 (10)	1.5 (4)	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	1.5 (4)	2.3 (3)	2.0 (4)	2.5 (2)	2.1 (8)	2.5 (6)	1.5 (2)	2.5 (2)
Dairy	2.0 (1)					2.5 (2)	2.0 (1)	2.5 (4)
Sheep	3.0 (1)	1.5 (2)	2.0 (1)	3.0 (1)	2.4 (7)	2.0 (1)		2.0 (1)
Goat		3.0 (1)	2.0 (1)			2.0 (1)	1.0 (1)	

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 2

Lydenburg, Longtom Dierekliniek

Beef: 2, Dairy: 2, Sheep: 3

Foot rot

Middelburg, Middelburg Dierehospitaal

Beef: 1

Volkstrust, Cape Cross Volkstrust Dierehospitaal

Beef: 1

Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 3, Sheep: 2, Goat: 3

Pretoria, Anima Veterinary Consulting Rooms

Beef: 2

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 2, Sheep: 1

Limpopo

Makhado, Blouberg Dierekliniek

Beef: 3

45 cases of foot rot and foot abscesses

Mokopane, Dr Henk Visser

Beef: 2

Polokwane, Pietersburg Veterinary Clinic

Beef: 2, Sheep: 2, Goat: 2

Tzaneen, ZZ2 Farm Practice

Beef: 1

Breeding Bulls with hoof and leg injuries.

North West

Christiana, Christiana Dierehospitaal

Beef: 3, Sheep: 3

Vryburg, Vryburg Dierehospitaal

Beef: 2

Free State

Clocolan, Clocolan Dierekliniek

Beef: 1

Dewetsdorp, Platkop Dierekliniek

Beef: 1, Sheep: 3

Frankfort, Frankfort Dierekliniek

Beef: 3

Kroonstad, Kroonstad Dierehospitaal

Sheep: 3

Ladybrand, Ladybrand Dierekliniek

Beef: 3

Memel, Memel Veterinary Clinic

Sheep: 2

Parys, Parys Dierehospitaal

Beef: 2, Sheep: 2

Reitz, Riemland Dierehospitaal

Beef: 2, Sheep: 2

Senekal, Senekal Dierekliniek

Beef: 2, Sheep: 2

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 3, Sheep: 3

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

Beef: 3

Estcourt, Estcourt Vet Clinic

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

Howick, Howick Veterinary Clinic

Beef: 3, Dairy: 3

Mooi River, Mooirivier Vet Clinic

Beef: 2

Pietermaritzburg, Veterinary House Hospital

Beef: 3

Pongola, Pongola Animal Clinic

Beef: 2

Eastern Cape**Alexandria, Alexandria Platteland Spreekkamer**

Dairy: 2

Cofimvaba, State Vet Cofimvaba

Beef: 1

Graaff-Reinet, Camdeboo Veterinary Clinic

Goat: 1

Humansdorp, Humansdorp Veterinary Clinic

Beef: 2

Western Cape**Ceres, Ceres Veterinary Hospital**

Beef: 3

George, George Animal Hospital

Dairy: 3

Malmesbury, Dr Otto Kriek

Dairy: 1

Higher incidence on farms where regular visits for hoof trimming is neglected because of economic hardship due to low milk prices. The distance and the gradient to the milking parlour from the sleeping/feeding quarters is often underestimated. Injuries, fatigue and excessive hoof sole wear is the nett result in cases where animals are forced to walk long distances on cement and where they encounter steep gradients.

Malmesbury, Invitrotech

Dairy: 3

55 casses

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 3, Sheep: 2

Lung infection

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
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Average	1.8 (8)	1.0 (2)	1.0 (1)	2.2 (5)	2.2 (10)	2.0 (8)	1.3 (3)	2.0 (7)	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	1.8 (5)	1.0 (1)	1.0 (1)	2.5 (2)	2.2 (6)	2.0 (6)		1.5 (2)	
Dairy						2.0 (2)	1.0 (1)	2.7 (3)	
Sheep	1.7 (3)	1.0 (1)		2.0 (3)	2.3 (4)		1.0 (1)	1.5 (2)	3.0 (2)
Goat							2.0 (1)		

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 3

Bethal, Bethal Dierekliniek

Beef: 1, Sheep: 1

Grootvlei, Grootvlei Dierekliniek

Beef: 2, Sheep: 1

Lydenburg, Longtom Dierekliniek

Beef: 2

Middelburg, Middelburg Dierehospitaal

Sheep: 3

Volksrust, Cape Cross Volksrust Dierehospitaal

Beef: 1

Gauteng

Hammanskraal, Themba Animal Clinic

Sheep: 1

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 1

Limpopo

Tzaneen, ZZ2 Farm Practice

Beef: 1

North West

Christiana, Christiana Dierehospitaal

Beef: 3, Sheep: 3

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 2, Sheep: 2

Vryburg, Vryburg Dierehospitaal

Sheep: 1

Free State

Frankfort, Frankfort Dierekliniek

Beef: 3

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Parys, Parys Dierehospitaal

Beef: 2

Philippolis, Rowelsfontein veearts Spreekkamer

Sheep: 2

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 2, Sheep: 2

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2, Sheep: 2

Vrede, Vrede Dierehospitaal

Beef: 1

Calves

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

Beef: 2

Dundee, Endumeni Herd health

Beef: 3, Dairy: 1

Howick, Howick Veterinary Clinic

Beef: 2, Dairy: 3

Mooi River, Mooirivier Vet Clinic

Beef: 1

Deaths reported by farmers - bovine respiratory disease

Newcastle, Ncanduvet Newcastle

Beef: 1

Pasteurellosis

Vryheid, Vryheid Privaat Veeartse

Beef: 3

Pasteurella multocida - serious outbreak in suckling calves. Adults 3**Eastern Cape****Graaff-Reinet, Camdeboo Veterinary Clinic**

Sheep: 1, Goat: 2

Somerset East, Bosberg Veterinary Clinic

Dairy: 1

Western Cape**Ceres, Ceres Veterinary Hospital**

Beef: 1

Cold

Darling, Tygerberg Dierehospitaal Darling

Dairy: 3

Malmesbury, Dr Otto Kriek

Dairy: 2

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 3, Sheep: 2

Stellenbosch, Stellenbosch Animal Hospital

Sheep: 1

Northern Cape**Calvinia, Calvinia Veeartskliniek**

Sheep: 3

Upington, Upington Veeartsenykliniek

Sheep: 3

Pasteurellosis during seasonal change

Mastitis in general									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (3)	1.7 (3)		3.0 (2)	2.2 (5)	2.3 (3)	2.0 (2)	2.6 (9)	

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

Beef	1.0 (2)	2.0 (1)		3.0 (1)	2.0 (1)	2.0 (2)	1.0 (1)	
Dairy					2.3 (3)	3.0 (1)		2.6 (8)
Sheep	1.0 (1)	1.0 (1)		3.0 (1)	2.0 (1)		3.0 (1)	2.0 (1)
Goat		2.0 (1)						

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1

Bethal, Bethal Dierekliniek

Beef: 1

Lydenburg, Longtom Dierekliniek

Sheep: 1

Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 2, Goat: 2

Pretoria, Anima Veterinary Consulting Rooms

Sheep: 1

North West

Christiana, Christiana Dierhospitaal

Beef: 3, Sheep: 3

Free State

Clocolan, Clocolan Dierekliniek

Dairy: 2

Kroonstad, Kroonstad Dierhospitaal

Dairy: 2

Parys, Parys Dierhospitaal

Beef: 2

Senekal, Senekal Dierekliniek

Dairy: 3, Sheep: 2

Kwazulu-Natal

Howick, Howick Veterinary Clinic

Dairy: 3

Mooi River, Mooirivier Vet Clinic

Beef: 3

Pongola, Pongola Animal Clinic

Beef: 1

Eastern Cape

Steynsburg, Steynsburg Dierhospitaal

Sheep: 3

Uitenhage, Uitenhage Dierhospitaal

Beef: 1

Western Cape

Caledon, Caledon Dierekliniek

Dairy: 2

Darling, Tygerberg Dierhospitaal Darling

Dairy: 3

George, George Animal Hospital

Dairy: 3

Heidelberg (WC), Heidelberg Dierekliniek

Dairy: 2

Malmesbury, Dr Otto Kriek

Dairy: 2

The spike in the incidence of mastitis is an annual occurrence at this time of the year on some farms in the Western Cape due to the fact that paddocks are scraped in preparation for the rainy season. When the top layers are removed cows are exposed to excessive quantities of micro-organisms and thus the increase in the number of mastitis and footrot cases. Ideally these paddocks should be "rested" for 10-14 days to give enough time for the sun's ultraviolet rays to sterilise the exposed surface

Malmesbury, Invitrotech

Dairy: 3

35 cases, slipped on cement

Malmesbury, Malmesbury Dierehospitaal

Dairy: 3, Sheep: 2

Oudtshoorn, Ostrimed

Dairy: 3

Small dairy with acute exposure to environmental factors – rain/mud, underlying nutritional problem resulting in metabolic challenges

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

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1

Free State

Clocolan, Clocolan Dierekliniek

Dairy: 2

Ladybrand, Ladybrand Dierekliniek

Beef: 1

Kwazulu-Natal

Mooi River, Mooirivier Vet Clinic

Beef: 1

Western Cape

Malmesbury, Malmesbury Dierehospitaal

Dairy: 2

Northern Cape

Calvinia, Calvinia Veeartskliniek

Sheep: 3

Red gut (Sheep) torsion of the gut									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape

Average	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	3.0 (1)
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Western Cape

Heidelberg (WC), Heidelberg Dierekliniiek

Sheep: 3

Trauma

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.7 (3)	2.7 (3)			1.0 (1)	1.0 (1)			1.0 (1)

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

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

Mpumalanga

Grootvlei, Grootvlei Dierekliniiek

Beef: 1

Lydenburg, Longtom Dierekliniiek

Beef: 2, Sheep: 2

Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 3, Sheep: 2, Goat: 3

Free State

Ladybrand, Ladybrand Dierekliniiek

Beef: 1

Kwazulu-Natal

Mooi River, Mooirivier Vet Clinic

Beef: 1

Northern Cape

Kimberley, Kimberley Dierekliniiek

Beef: 1

Abattoir - bruising

Downer

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

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

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

Mpumalanga

Volksrust, Cape Cross Volksrust Dierehospitaal

Beef: 1

Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 2

Limpopo

Mokopane, Dr Henk Visser

Beef: 1

North West

Brits, Brits Dierekliniek

Beef: 2

Vryburg, Vryburg Dierehospitaal

Beef: 2

Free State

Kroonstad, Kroonstad Dierehospitaal

Dairy: 1

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Western Cape

Malmesbury, Invitrotech

Dairy: 3

35 cases

Northern Cape

Postmasburg, Postmasburg Dierekliniek

Beef: 3

Traumatic Reticulo-pericarditis

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)							1.0 (1)	
Dairy							1.0 (1)		
Sheep	1.0 (1)								

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1

Lydenburg, Longtom Dierekliniek

Sheep: 1

Eastern Cape

Somerset East, Bosberg Veterinary Clinic

Dairy: 1

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

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

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

Gauteng

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 2

Immune compromised calves

Limpopo

Tzaneen, ZZ2 Farm Practice

Beef: 1

Free State

Smithfield, Freestate Smithfield SV

Beef: 1

Photosensitivity, one calf

Western Cape

Malmesbury, Invitrotech

Dairy: 3

3

Northern Cape

Kimberley, Kimberley Dierekliniek

Beef: 1

Abattoir: wet carcass

Sheep: 1

Cystitis

Metabolic Diseases

Acidosis [^](#)

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

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

Beef	2.0 (1)	2.0 (1)		2.0 (1)	1.5 (2)	3.0 (1)		2.0 (1)	
Dairy								3.0 (1)	
Sheep		1.0 (1)			2.5 (2)			1.7 (3)	
Goat		1.0 (1)							2.0 (1)

Mpumalanga

Bethal, Bethal Dierekliniek

Beef: 2

Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 2, Goat: 1

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Sheep: 1

North West

Vryburg, Vryburg Dierehospitaal

Beef: 2

Free State

Dewetsdorp, Platkop Dierekliniek

Sheep: 3

Memel, Memel Veterinary Clinic

Beef: 1

Vrede, Saulshoek Dierepraktyk

Sheep: 2

Winburg, Winburg Dierekliniek

Beef: 2

Kwazulu-Natal

Howick, Howick Veterinary Clinic

Beef: 3

Western Cape

Beaufort West, Beaufort Dierekliniek

Sheep: 2

Due to drought conditions and the feeding of animals Sub acute ruminal acidosis, and rumen acidosis is evident in sheep flocks

Heidelberg (WC), Heidelberg Dierekliniek

Sheep: 1

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 3, Sheep: 2

Northern Cape

Postmasburg, Postmasburg Dierekliniek

Goat: 2

Displaced abomasum

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

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

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

Kwazulu-Natal

Dundee, Endumeni Herd health

Dairy: 3

Howick, Howick Veterinary Clinic

Dairy: 3

Eastern Cape

Queenstown, Queenstown Provincial Vet Lab

Beef: 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)			1.7 (3)		3.0 (1)	2.0 (6)	

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					1.7 (3)		3.0 (1)	1.8 (5)	
Goat		1.0 (1)							

Gauteng

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Goat: 1

Pregnancy toxemia

Free State

Memel, Memel Veterinary Clinic

Sheep: 2

Reitz, Riemland Dierehospitaal

Sheep: 2

Senekal, Senekal Dierekliniek

Sheep: 1

Eastern Cape

Somerset East, Bosberg Veterinary Clinic

Sheep: 3

Handling and change of diet in late pregnant ewes a week away from the start of lambing resulted in 5%-8 % of a large flock of 700 developing ketosis

Western Cape

Beaufort West, Beaufort Dierekliniek

Sheep: 1

Beaufort West, Beaufort West State Vet

Sheep: 2

Drought

Heidelberg (WC), Heidelberg Dierekliniek

Sheep: 2

Malmesbury, Malmesbury Dierehospitaal

Dairy: 3, Sheep: 2

Piketberg, Piketberg 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)				2.0 (4)	3.0 (1)		2.3 (4)	

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

Dairy	1.0 (1)				1.7 (3)	3.0 (1)		2.3 (3)	
Sheep					3.0 (1)			2.0 (1)	

Mpumalanga

Bethal, Bethal Dierekliniek

Dairy: 1

Free State

Harrismith, Harrismith Dierehospitaal

Dairy: 2

Hoopstad, Hoopstad Dierekliniek

Sheep: 3

Reitz, Riemland Dierehospitaal

Dairy: 2

Wesselsbron, Wesselsbron Dierekliniek

Dairy: 1

Kwazulu-Natal

Howick, Howick Veterinary Clinic

Dairy: 3

Western Cape

George, George Animal Hospital

Dairy: 3

Malmesbury, Invitrotech

Dairy: 1

Malmesbury, Malmesbury Dierehospitaal

Dairy: 3, Sheep: 2

Reproductive diseases

Dystocia (Difficult Births)

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
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Average	1.4 (9)		1.0 (1)	2.0 (5)	2.1 (17)	2.0 (7)	1.4 (5)	1.8 (10)	1.7 (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	1.5 (6)		1.0 (1)	1.8 (4)	2.0 (13)	2.0 (5)	1.5 (2)	1.7 (3)	1.7 (3)
Dairy					2.0 (1)	2.0 (2)	1.3 (3)	1.6 (5)	
Sheep	1.3 (3)			3.0 (1)	2.3 (3)			2.5 (2)	

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 2, Sheep: 2

Bethal, Bethal Dierekliniek

Beef: 2, Sheep: 1

Grootvlei, Grootvlei Dierekliniek

Beef: 1

Lydenburg, Longtom Dierekliniek

Beef: 1, Sheep: 1

Middelburg, Middelburg Dierehospitaal

Beef: 1

Volksrust, Cape Cross Volksrust Dierehospitaal

Beef: 2

Limpopo

Mokopane, Dr Henk Visser

Beef: 1

North West

Brits, Brits Dierekliniek

Beef: 1

Christiana, Christiana Dierehospitaal

Beef: 3, Sheep: 3

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 1

Ventersdorp, Ventersdorp Dierekliniek

Beef: 2

Free State

Bultfontein, Greylingrust Dieresprekkamer

Beef: 2

Clocolan, Clocolan Dierekliniek

Beef: 2

Dewetsdorp, Platkop Dierekliniek

Sheep: 2

Ficksburg, Oosvrystaat Diere Produkte

Beef: 2

Frankfort, Frankfort Dierekliniek

Beef: 3

Harrismith, Harrismith Dierehospitaal

Beef: 2

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 2, Dairy: 2

Memel, Memel Veterinary Clinic

Beef: 2, Sheep: 2

Reitz, Riemland Dierehospitaal

Beef: 2

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 2

Vrede, Saulshoek Dierepraktyk

Beef: 1

Wesselsbron, Wesselsbron Dierekliniek

Beef: 1

Winburg, Winburg Dierekliniek

Beef: 2

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 3

Camperdown, Camperdown Vet Clinic

Beef: 1

Dundee, Endumeni Herd health

Beef: 1

Estcourt, Estcourt Vet Clinic

Dairy: 1

Howick, Howick Veterinary Clinic

Dairy: 3

Mooi River, Mooirivier Vet Clinic

Beef: 2

Newcastle, Ncanduvet Newcastle

Beef: 3

Eastern Cape

Alexandria, Alexandria Platteland Spreekkamer

Dairy: 2

Cofimvaba, State Vet Cofimvaba

Beef: 1

Humansdorp, Humansdorp Veterinary Clinic

Beef: 2

Kareedouw, Tenax Vet Clinic

Dairy: 1

Somerset East, Bosberg Veterinary Clinic

Dairy: 1

Western Cape

Caledon, Caledon Dierekliniek

Dairy: 1

Darling, Tygerberg Dierehospitaal Darling

Dairy: 2

Malmesbury, Invitrotech

Dairy: 2

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 2, Sheep: 2

Piketberg, Piketberg Dierehospitaal

Beef: 2, Sheep: 3

Stellenbosch, Stellenbosch Animal Hospital

Beef: 1, Dairy: 1

Northern Cape

Kathu, Kathu Dierekliniek

Beef: 2

Kimberley, Kimberley Dierekliniek

Beef: 1

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 (1)			1.0 (1)	3.0 (1)	2.5 (2)	2.8 (4)	

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

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

Gauteng**Hammanskraal, Themba Animal Clinic**

Goat: 2

Free State**Harrismith, Harrismith Dierehospitaal**

Beef: 1

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

Dairy: 3

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

Dairy: 2

Somerset East, Bosberg Veterinary Clinic

Dairy: 3

Western Cape**Caledon, Caledon Dierekliniek**

Dairy: 3

Heidelberg (WC), Heidelberg Dierekliniek

Dairy: 3

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 3

Metritis

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 (3)	3.0 (1)	3.0 (1)	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	1.0 (1)		2.0 (1)	2.0 (1)			2.0 (1)
Dairy				2.0 (2)	3.0 (1)	3.0 (1)	2.8 (4)
Sheep							2.0 (1)

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1

North West

Christiana, Christiana Dierehospitaal

Beef: 2

Free State

Kroonstad, Kroonstad Dierehospitaal

Dairy: 2

Parys, Parys Dierehospitaal

Beef: 2

Senekal, Senekal Dierekliniek

Dairy: 2

Kwazulu-Natal

Howick, Howick Veterinary Clinic

Dairy: 3

Eastern Cape

Kareedouw, Tenax Vet Clinic

Dairy: 3

130 metritis

Western Cape

Caledon, Caledon Dierekliniek

Dairy: 3

Darling, Tygerberg Dierehospitaal Darling

Dairy: 3

Malmesbury, Dr Otto Kriek

Dairy: 2

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 3, Sheep: 2

Poor conception [^](#)

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 (2)	1.5 (4)	2.7 (3)	3.0 (2)	2.0 (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)		1.0 (1)	2.0 (1)	1.7 (3)	2.5 (2)		2.0 (1)
Dairy					1.0 (1)	3.0 (1)	3.0 (1)	2.0 (4)
Sheep				2.0 (1)			3.0 (1)	2.0 (1)

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1

Limpopo**Mokopane, Dr Henk Visser**

Beef: 1

North West**Klerksdorp, Klerksdorp Dierehospitaal**

Beef: 2, Sheep: 2

Free State**Harrismith, Harrismith Dierehospitaal**

Beef: 1

Kroonstad, Kroonstad Dierehospitaal

Dairy: 1

Ladybrand, Ladybrand Dierekliniek

Beef: 1

Winburg, Winburg Dierekliniek

Beef: 3

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

Beef: 2

Howick, Howick Veterinary Clinic

Dairy: 3

Mooi River, Mooirivier Vet Clinic

Beef: 3

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

Dairy: 3

Steynsburg, Steynsburg Dierehospitaal

Sheep: 3

Western Cape**George, George Animal Hospital**

Dairy: 3

Malmesbury, Dr Otto Kriek

Dairy: 1

Malmesbury, Invitrotech

Dairy: 2

Six cows culled, reproduction failure, one queen

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 2, Sheep: 2

Retained afterbirth									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (4)				1.7 (3)	1.8 (4)	1.0 (1)	2.5 (2)	1.0 (1)
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef	1.0 (2)				1.5 (2)	1.5 (2)	1.0 (1)		1.0 (1)

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

Mpumalanga									
Balfour, Balfour Dierekliniek									
Beef: 1, Goat: 1									
Bethal, Bethal Dierekliniek									
Beef: 1, Sheep: 1									
Free State									
Harrismith, Harrismith Dierehospitaal									
Beef: 1									
Kroonstad, Kroonstad Dierehospitaal									
Dairy: 2									
Winburg, Winburg Dierekliniek									
Beef: 2									
Kwazulu-Natal									
Bergville, Bergville Veterinary Clinic									
Beef: 2									
Camperdown, Camperdown Vet Clinic									
Dairy: 1									
Howick, Howick Veterinary Clinic									
Dairy: 3									
Mooi River, Mooirivier Vet Clinic									
Beef: 1									
Eastern Cape									
Alexandria, Riverview Trading Vet Consulting Services									
Beef: 1									
Western Cape									
Malmesbury, Dr Otto Kriek									
Dairy: 2									
Malmesbury, Malmesbury Dierehospitaal									
Dairy: 3									
Northern Cape									
Kimberley, Kimberley Dierekliniek									
Beef: 1									

Sheath Prolaps ▲

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 (2)		2.0 (1)	

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

Beef	1.0 (1)		1.0 (1)		2.0 (1)	1.5 (2)		2.0 (1)	
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Mpumalanga									
Bethal, Bethal Dierekliniek									
Beef: 1									

Limpopo**Mokopane, Dr Henk Visser**

Beef: 1

Free State**Hoopstad, Hoopstad Dierekliniek**

Beef: 2

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

Beef: 2

Pietermaritzburg, Veterinary House Hospital

Beef: 1

Western Cape**Ceres, Ceres Veterinary Hospital**

Beef: 2

Two bulls with penis problems

Uterus prolaps

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (3)		1.0 (1)	2.0 (1)	1.8 (6)	1.3 (3)		1.8 (6)	1.0 (1)

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

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

Mpumalanga**Bethal, Bethal Dierekliniek**

Beef: 1

Ermelo, Moregloed Veterinêre Spreekkamer

Beef: 1

Lydenburg, Longtom Dierekliniek

Sheep: 1

Limpopo**Polokwane, Pietersburg Veterinary Clinic**

Beef: 1

North West**Brits, Brits Dierekliniek**

Sheep: 2

Free State**Clocolan, Clocolan Dierekliniek**

Sheep: 2

Frankfort, Frankfort Dierekliniek

Beef: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 2

Ladybrand, Ladybrand Dierekliniek

Beef: 1

Memel, Memel Veterinary Clinic

Beef: 1

Winburg, Winburg Dierekliniek

Beef: 2

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

Beef: 2

Camperdown, Camperdown Vet Clinic

Beef: 1

Pietermaritzburg, Veterinary House Hospital

Beef: 1

Western Cape**Malmesbury, Malmesbury Dierehospitaal**

Beef: 2, Dairy: 2, Sheep: 2

Piketberg, Piketberg Dierehospitaal

Beef: 2, Sheep: 2

Stellenbosch, Stellenbosch Animal Hospital

Dairy: 1

Northern Cape**Postmasburg, Postmasburg Dierekliniek**

Beef: 1

Vaginal (Cervical) prolaps

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (2)	1.0 (2)	1.0 (1)		1.8 (8)	1.7 (3)			

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

Beef	1.0 (2)	1.0 (2)	1.0 (1)		1.7 (3)	1.7 (3)			
Sheep					1.8 (5)				

Mpumalanga**Ermelo, Moregloed Veterinêre Spreekkamer**

Beef: 1

Grootvlei, Grootvlei Dierekliniek

Beef: 1

Gauteng**Hammanskraal, Themba Animal Clinic**

Beef: 1

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 1

Limpopo**Mokopane, Dr Henk Visser**

Beef: 1

Free State**Harrismith, Harrismith Dierehospitaal**

Beef: 2

Hoopstad, Hoopstad Dierekliniek

Beef: 1, Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Sheep: 1

Memel, Memel Veterinary Clinic

Sheep: 2

Reitz, Riemland Dierehospitaal

Beef: 2

Senekal, Senekal Dierekliniek

Sheep: 2

Wesselsbron, Wesselsbron Dierekliniek

Sheep: 1

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Dundee, Endumeni Herd health

Beef: 1

Pietermaritzburg, Veterinary House Hospital

Beef: 2

Climatical Cause

Drought

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

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

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

Mkopane, Dr Henk Visser

Beef: 1

North West

Stella, Stella Dierekliniek

Beef: 3

Very short grazing, less than 100 mmm of rain in the district for summer season so far. Disaster looming.

Vryburg, Vryburg Dierehospitaal

Beef: 3

Free State

Winburg, Winburg Dierekliniek

Beef: 2

Western Cape

Oudtshoorn, Oudtshoorn Dierekliniek

Beef: 3

Farmers report deaths due to malnutrition

Northern Cape

Kuruman, State Vet Kuruman

Beef: 3

Cattle in poor condition

Heat stress									
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)					
North West									
Vryburg, Vryburg Dierehospitaal									
Beef: 3									
Lightning									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (1)				1.5 (8)	1.0 (1)	1.0 (1)		
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef	2.0 (1)				1.5 (8)	1.0 (1)	1.0 (1)		
Mpumalanga									
Ermelo, Moregloed Veterinêre Spreekkamer									
Beef: 2									
Free State									
Clocolan, Clocolan Dierekliniek									
Beef: 2									
Frankfort, Frankfort Dierekliniek									
Beef: 2									
Harrismith, Harrismith Dierehospitaal									
Beef: 1									
Memel, Memel Veterinary Clinic									
Beef: 2									
Parys, Parys Dierehospitaal									
Beef: 1									
Vrede, Saulshoek Dierpraktyk									
Beef: 2									
Vrede, Vrede Dierehospitaal									
Beef: 1									
Wesselsbron, Wesselsbron Dierekliniek									
Beef: 1									
Kwazulu-Natal									
Dundee, Endumeni Herd health									
Beef: 1									
Eastern Cape									
Queenstown, Queenstown Veterinary clinic									
Beef: 1									

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

Sheep					1.0 (1)				
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Free State

Clocolan, Clocolan Dierekliniek

Sheep: 1

Preditors

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

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

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

Hammanskraal, Themba Animal Clinic

Beef: 2, Goat: 2

Free State

Clocolan, Clocolan Dierekliniek

Beef: 3

Philippolis, Rowelsfontein veearts Spreekkamer

Sheep: 2

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 3

Sabotation - Theft

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
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Average	1.0 (1)	2.8 (6)
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Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef		2.7 (3)
Sheep	1.0 (1)	3.0 (3)

North West

Vryburg, Vryburg Dierehospitaal

Sheep: 1

Free State

Clocolan, Clocolan Dierekliniek

Beef: 3, Sheep: 3

Frankfort, Frankfort Dierekliniek

Beef: 3, Sheep: 3

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2, Sheep: 3

Trauma

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

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

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

Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 2

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 1

Fractures

Kwazulu-Natal

Camperdown, Camperdown Vet Clinic

Beef: 2, Goat: 1