

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

February 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 February 2019:

Mpumalanga (12)

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

Gauteng (10)

Bapsfontein – Drs. Englbrecht and Olivier
Bronkhorstspuit – Dr. De Bruin, De Bruin and Labuschagne
Hammanskraal – Dr. Hentie Engelbrecht
Magaliesburg – Dr. Ryan Jeffery
Muldersdrift – Drs. Speedy and Enslin
Nigel – Dr. Cindy van der Westhuizen
Onderstepoort Veterinary Academic Hospital – Proff. Annandale, Shakespear, Holm, Pettey and Drs, Fitte, Grobler, Hamman, Koeppel, Leask, Mabu, Marufu, Mokoel, O'Dell, Tshuma and Van der Leek
Pretoria – Dr. Hanneke Pienaar

University of Pretoria – Dr. Emily Mitchell

Vanderbijlpark – Dr. Kobus Kok

Limpopo (8)

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

Mokopane - Dr. Alwyn Venter

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

Tzaneen – ZZ2 Farm practice – Dr. Danie Odendaal

Vaalwater – Dr. Hampie van Staden

Vaalwater – Dr. Annemieke Müller

North West (10)

Brits – Dr. Boshoff and Coertze

Christiana – Dr. Pieter Nel

Klerksdorp/Schweizer-Reneke – Drs. Geral, Theron, Van den Berg and Van den Berg

Leeudoringstad – Dr. Ian Jonker

Lichtenburg – Dr. Nelmarie-Krüger-Rall

Potchefstroom – dr. Marten Ferreira

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

Stella - Dr. Magdaleen Vosser

Ventersdorp/ Koster –Drs. Benadé and Van der Merwe

Vryburg – Dr. Jurie Kritzinger

Free State (22)

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

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 (12)

Bergville – Dr. Jubie Muller
Bergville – Dr. Ariena Shepherd
Camperdown – Dr. Anthony van Tonder
Dundee – Drs. Marais and Fynn
Estcourt – Drs. Turner, Tedder, Taylor, Tratschler, Van Rooyen and Alwar
Mooi River – Drs. Still, Edmunds and Fowler
Mtubatuba – Dr. Trevor Viljoen
Newcastle – Dr. Barry Rafferty
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, Godley, 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. Elmiën Kotze

Western Cape (23)

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

Caledon – Drs. Louw and Viljoen
Caledon – Drs. Retief, Coetzer and Janssen
Darling – Drs. Van der Merwe, Adam and Senekal
George – Drs. Strydom, Truter and Pettifer
Heidelberg – Dr. Albert van Zyl
Malmesbury – Dr. Otto Kriek
Malmesbury – Dr. Andries Lesch
Malmesbury – Dr. Markus Fourie
Malmesbury – Drs. Heyns and Zolner
Moorreesburg -Drs. Kotzé and Sheridan
Oudtshoorn – Dr. Adriaan Olivier
Oudtshoorn – Dr. Glen Carlisle
Piketberg – Dr. André van der Merwe
Plettenberg Bay – Dr. André Reitz
Riversdale – Drs. Du Plessis, Taylor and De Bruyn
Stellenbosch – Dr. Alfred Kidd
Swellendam – Dr. Jacques Malan
Tulbagh/Ceres – Drs. Hamman, Wilson and Triegaardt
Vredenburg – Dr. Izak Rust
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 (7)

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

Summary

February, the last month of the summer season, has seen an increase in insect and tick transmittable diseases:

In cattle: lumpy skin disease, ephemeral fever, anaplasmosis, African red water, Asiatic redwater; in sheep: blue tongue and in horses: African Horse sickness. All of these diseases could have been prevented if vaccinations were given in time. It is so important to follow a vaccination program drawn up with your veterinarian.

Veterinary Services (DAFF, Limpopo State Veterinary Services and the Private sector) worked endlessly to control the foot and mouth disease (FMD) spill over in the Limpopo province. To date no new cases of FMD were found in the containment zone. A document will soon be sent to the Organization for Animal Health (OIE) outlining South Africa's protocol in the manner FMD is controlled. This will path the way for SA regaining its FMD free status.

The National Animal Health forum in co-operation with DAFF are on its way laying the foundation for the Livestock Identification and Traceability System (LITS). We need all parties involved in the livestock industry to support this initiative. If this system had been in place FMD spill over would have been something of the past!



2019-03-01 FMD
update report.pdf

Ontluikende insekoorgedraagde virussiektes

Vraag: In die Thabazimbi omgewing het daar verskeie vrektes in beeste en wild voorgekom. Die diere raak geleidelik verlam en die kliniese tekens lyk baie soos die van lamsiekte. Is daar ander moontlike oorsake vir hierdie vrektes?

Antwoord: Ontluikende insekoorgedraagde virussiektes wat die sensuweestelsel aantast in perde, beeste, skape, wild en mense

Daar is 'n hele groep virusse wat deur insekte oorgedra word en bekend staan as arbo ("arthropod-borne") virusse. Daar is virusse wat in draer werwelidiere voorkom en wat dan deur muskiete en muggies aan vatbare diere oorgedra word en die sensuweestelsel aantast. Voorbeelde is die Wes-Nyl, Middelburg, Shuni, en Simbu virusse. Die Wes-Nyl virus kom byvoorbeeld in voëls voor en word dan deur muskiete oorgedra na ander diere asook die mens.

Hierdie virusse tas die senuweestelsel van vatbare diere en mense aan. Kliniese tekens is dat diere stadig verlam raak en naderhand nie kan opstaan nie. Hierdie voorkoms kan met lamsiekte en drie-dae-stywesiekte verwar word en moet dus uitgeskakel word voordat 'n diagnose van arbovirus-infeksie oorweeg kan word.

Hierdie virussiektes kom veral voor wanneer die muskiet en muggiepopulasies die hoogte inskiet na goeie reënval in die somer (Februarie tot Mei). Gebiede waar tans uitbreke voor kom is in die sentrale en westelike gebiede van die Limpopo-provinsie.

Huidiglik word daar nuwe metodes ontwikkel om hierdie siektes te diagnoseer en voorlopige resultate is bemoedigend.

Daar is tans nie middels beskikbaar om hierdie virussiektes te behandel nie en diere kan slegs simptome behandel word. Herstel mag na 'n periode van langer as 2 weke in sommige gevalle plaasvind.

Insekbeheer is noodsaaklik om nuwe gevalle te voorkom. Skuif dier weg van vleie, riviere en ander waterbronne waar insekte uitbroei. Diere kan ook met insekafweerders gespuit of gedip word, deltametriene bevattende middels word aanbeveel.

Vir perde is daar vir Wes-Nyl virus 'n entstof ontwikkel.

Daar moet nog baie navorsing oor hierdie virussiektes gedoen word en soos weerstande verander mag ons dalk meer van hierdie "nuwe" siektes ontdek!

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19 Maart 2019

<https://www.netwerk24.com/landbou/kundiges/vraag/Toename-in-die-voorkoms-van-Wes-Nyl-en-Middelburgvirus-in-perde-Jan-Mrt-2017-20180423>

Emerging neurotropic arbovirus associated clinical disease in horses, wildlife and cattle

Question: Recently numerous deaths occurred in cattle and game in the Thabazimbi area. The animals gradually become lame and clinical signs resemble those of botulism. What other diseases could cause such signs?

Emerging neurotropic arbovirus associated clinical disease in horses, wildlife and cattle:

These viruses are known to be carried and transmitted from mainly mosquito and midge vectors and include West Nile virus, Shuni virus, Middelburg virus and Sindbis virus.

These viruses target the central nervous system of animals and humans alike and clinically manifest with animals becoming recumbent (ascending paresis) whilst remaining mentally alert. These signs are similar to what can be expected with botulism and the latter needs to be ruled out before neurotropic arboviral aetiology can be considered.

Epidemiologically, the temporal pattern for disease occurrence is typical for vector transmitted diseases in the summer rainfall region of RSA i.e. February to May. The regions of the country currently experiencing the most cases include the Limpopo province (esp. central to western areas of Limpopo).

Very scant macro- and micropathology is typical and currently the diagnosis is one of ruling out other parietic syndromes and positive RT-PCR results on central nervous tissues (lumbar spinal cord and brain). Immunohistochemical techniques are currently in development, and preliminary results are promising.

No treatment is effective although occasional cases have recovered following long term (>2 weeks) intensive supportive care.

Prophylaxis using any management techniques controlling mosquito and midge exposure is recommended. No vaccine/s is currently available for cattle. A vaccine for West Nile fever in horses is registered.

Insect control is of high importance to prevent outbreaks. Move animals away from vleis, rivers and other water sources where insect breeding takes place. Animals should be treated with insect repellants such as deltamethrin.

Research should be done on these viral diseases and as weather patterns change, it could be that similar “new” diseases will be discovered!

Written by: Drs. Johan Steyl, Department Paraclinical Science, Faculty Veterinary Science (johan.steyl@up.ac.za), Johan Cronje, Veterinarian (bokdokter@gmail.com) and Faffa Malan, Veterinary consultant (dokfaffa@nashuaisp.co.za)

19 March 2019

<https://www.netwerk24.com/landbou/kundiges/vraag/Toename-in-die-voorkoms-van-Wes-Nyl-en-Middelburgvirus-in-perde-Jan-Mrt-2017-20180423>

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!

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

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

It is available in English and Afrikaans.

Legal Aspects of Brucellosis Control

Introduction

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

Livestock owners must inform certain people of presence of disease

Section 11 of the Act determines that livestock owners must take reasonable steps to prevent their animals from becoming infected and to prevent the spread of disease. This means that an owner is not allowed to knowingly buy infected animals and bring them into his herd. Where treatment is possible and available owners are also obliged to treat infected animals. An owner who suspects that his animals are infected with a controlled disease must report it to the local responsible state veterinarian.

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

all his neighbours;

all prospective buyers;

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

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

Precautionary measures that are legally required

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

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

Requirements for a positive herd

If there are any animals that test positive, the laboratory must immediately inform the responsible state veterinarian and if the tests were requested by a private veterinarian, he will also be informed of the

results. The state veterinarian will then place the farm under quarantine which means that no susceptible or infected animals may be moved from the farm without the permission of the state veterinarian. A quarantine notice will be given which will contain all the requirements that the owner will have to adhere to. The requirements in the quarantine notice may differ depending on the situation.

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

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

Positive cattle must be branded with a "C" mark on the right side of their necks. Such animals may only be slaughtered with the written permission of the state veterinarian and at an approved abattoir. Animals may only be moved to the abattoir under cover of a Red Cross permit and may only be moved to the specific abattoir indicated on the permit. Under no circumstances may such animals be sold to any other person or at any other place and a person that does that is guilty of an offence in terms of the Act.

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

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

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

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

Role of the State Veterinary Services

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

Voluntary test programmes

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

Conclusion

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

Compiled by: Dr Trudie Prinsloo Van Der Heever, veterinarian and legal advisor
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Issued by: Brucellosis Steering Committee of the National Animal Health Forum

Wetlike Aspekte van Brucellose Beheer

Inleiding

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

Vee Eienaars moet sekere mense inlig oor siektes

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

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

- al sy bure;
- alle voornemende kopers;

kopers wat die voorafgaande 30 dae diere by hom gekoop het.
Dis belangrik om daarop te let dat dit ook geld selfs al word die siekte slegs nog vermoed.

Voorkomende maatreëls wat wetlik vereis word

Tabel 2 van die Dieresyktes Regulasies bepaal dat alle verse tussen die ouderdom van 4 en 8 maande eenmalig ingeënt moet word met 'n effektiewe entstof vir brucellose (tans is die enigste twee entstowwe wat goedgekeur is Stam 19 en RB51). Stam 19 mag slegs in verse tussen 4 en 8 maande oud gebruik word en mag nie herhaal word nie. 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 is ook 'n verpligting op die eienaar om die plek waar 'n besmette dier aangehou is, en die voertuig waarop so 'n dier vervoer is, te ontsmet met 'n effektiewe ontsmettingsmiddel. Enige toerusting, wat potensieel besmet is, moet ook op die voorgeskrewe manier ontsmet word.

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

Rol van die Staat

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

Samevatting

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

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

Uitgereik deur: Brucellosestuurkomitee van die Nasionale 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:



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 February 2019

129 Reports from veterinary practices and laboratories were received (Mpumalanga (MP) 12; Gauteng (G) 10; Limpopo (L) 8; Northwest (NW) 10; Free State (FS) 22; KwaZulu-Natal (KZN) 12; Eastern Cape (EC) 15; Western Cape (WC) 23; Northern Cape (NC) 8; Feedlots (FL) 2 and Laboratories (Lab) 7).

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	
Resistant roundworms	x	x			x		x	x	
Wireworm	x	x			x	x	x	x	x
Brown stomach-worm					x		x	x	
Long-necked bankruptworm									
Large-mouthed bowelworm									
Nodularworm	x					x	x	x	x
Lungworm									
Eyeworm						x			
<i>Parafilaria</i>						x			
Tapeworms	x	x		x	x	x	x	x	x
Liver fluke		x		x	x		x		
Conical fluke	x	x			x				
Cysticercosis (measles)		x						x	x
Schistosomiasis (bilharzia)									
Coccidiosis	x	x	x		x	x	x	x	
Cryptosporidiosis	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 manager

<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			
Heartwater ticks	x	x	x	x	x	x	x		
Brown ear-ticks	x	x	x	x	x	x			
Bont-legged ticks	x	x	x	x	x	x		x	x
Red-legged ticks	x	x	x	x	x	x			
Paralysis ticks									
Tampans									
Biting lice					x				
Sucking lice									
Itch mites									
Sheep scab		x						x	
Mange mites	x					x			
Nuisance flies	x	x		x	x	x	x	x	
Midges	x	x		x	x	x	x	x	
Mosquitoes	x	x			x			x	
Blowflies					x				
Screw-worm	x								
Gedoeelstia (uitpeuloogsiekte)									
Nasal bot	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	X	X
Ephemeral fever (Three-day-stiff sickness)	X	X	X	X	X	X			
Blue tongue	X	X	X	X	X	X	X	X	
Rift Valley Fever									
Wesselsbron									
Nagana				X		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!

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

Uterine gangrene									
Wooden tongue									
Lumpy jaw									

Multiclostridial vaccines should be used if blackquarter outbreaks still occur when only using a vaccine containing *Clostridium chauvoei*. Remember to give a booster vaccine when using an inactivate vaccine for the first time. **Read the packet insert!!** Study the table above and determine the risk for animals on your farm. Get advice from your veterinarian on *Cryptosporidium/E. coli* outbreaks in your area and what to do to prevent losses in lambs and calves.

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

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

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

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

Viral diseases

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

Viral diseases	MP	G	L	NW	FS	KZN	EC	WC	NC
BMC (snotsiekte)	x	x		x	x		x	x	x
Rabies (cattle)				x			x		
BVD						x			

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

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

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

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

www.landbou.com

Vra vir Faffa

Klik op Indeks van antwoorde

Klik op Beeste of Skape

Klik op Vergiftigings

Klik op die Opskrifte

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

A few cases of Lantana-poisoning were reported.

Research are being done to control Lantana:

We would like to investigate involvement of your readers and yourself in the development of a National Programme for Management of Lantana similar to the attached National Programme for Management of Parthenium. Our focus would be on the biological control of the species, however, farmers, landowners and communities would be interested in an integrated approach to the management of the species. Please do bear in mind that the rust-fungus will unfortunately not be a 'silver-bullet' as it is likely to impact some subspecies more than others and work better in some micro-climates than others..

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

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

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

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

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

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

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

Nutritional deficiencies

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

Deficiencies	MP	G	L	NW	FS	KZN	EC	WC	NC
Energy	X	X		X	X		X	X	X
Protein	X	X		X			X	X	X
Phosphate				X					X
Calcium				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 daagliks 'n minimum hoeveelheid verteerbare energie nodig om te oorleef (onderhoud) en addisionele energie om te kan produseer – addisionele voer moet dus verskaf word of die getal diere moet verminder word om met beskikbare voer hierdie energie te kan verskaf.

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

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

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

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

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

Saam met hierdie ruvoer of kuilvoer kan goeie kwaliteit hoendermis (droë braaikuikenmis) opgeberg word, wat hoogs effektief en ekonomies as droogtevoer aangewend kan word –

onthou om die diere teen botulisme of lamsiekte in te ent (ten minste twee keer en ten minste twee weke uit mekaar).

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

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

www.mixcure.co.za

Micro-nutritional and vitamin deficiencies

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

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

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

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

Beware of fluoride poisoning as borehole water levels drop.

Supplement animals with vitamin A during winter and drought conditions.

Multifactorial diseases and other conditions

The following conditions were reported by practices in the provinces

Multifactorial diseases and other conditions	MP	G	L	NW	FS	KZN	EC	WC	NC
Abortions	x	x		x	x	x	x	x	
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	x
Bloat		x			x	x	x	x	
Blue udder	x	x			x			x	
Diarrhoea	x	x		x	x	x	x	x	
Epididymitis		x						x	
Eye cancer	x	x			x	x	x	x	
Eye infections	x	x	x	x	x	x	x	x	x
Joint ill	x	x		x	x	x	x	x	x
Cystitis									
Lameness/foot problems	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	
Navel ill	x	x			x			x	
Umbilical hernia									
Red gut (sheep, torsion of gut)		x							
Rectal prolaps									
Rumen stasis		x				x			

Swelsiekte									
Traumatic reticulo-pericarditis	x				x		x	x	x
Trauma	x					x	x	x	
Teeth wear									
Plastic bags (ingestion)									
Downer	x	x			x	x	x	x	x
Anaphylactic shock									
Vestibular syndrome (middle ear infection)	x								
Hernia									x
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	
Displaced abomasum						x	x	x	
Ketosis (Domsiekte)								x	
Milk fever	x			x	x	x		x	

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

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

Reproductive diseases

Reproductive diseases	MP	G	L	NW	FS	KZN	EC	WC	NC
Dystocia (difficult births)	x	x	x	x	x	x	x	x	x
Endometritis		x			x	x	x	x	
Hydrops									
Metritis	x		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			
Uterine prolaps	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		x	
Lightning	x	x		x	x	x			
Electrocution									
Drought				x			x		x

Other conditions

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

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

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

PRECAUTIONARY MEASURES TO SUPPORT BIO-SECURITY.

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

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

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

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

Have there been any recent disease outbreaks in the location?

Do brand marks clearly confirm ownership?

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

Is a veterinarian supported control program against transmittable diseases followed?

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

Dates and tests for zoonotic diseases

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

2. PURCHASES FROM SALES OR SPECULATORS

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

Visually inspect the animals before purchasing for:

* brand marks

* parasite infestation

3. TRANSPORT TO THE FARM

Use only reputable transporters

Has the truck been cleaned and disinfected?

Truck to follow the shortest uninterrupted route

Truck to take the shortest route to the handling facilities

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

4. ARRIVAL ON THE FARM

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

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

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

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

Inspect regularly

5. FEED PURCHASES

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

Purchase feed from reputable dealers only

Avoid buying feed in second hand bags

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

6. VISITORS

Do not allow strangers or their vehicles amongst the livestock

Ensure fences are well maintained and preferably jackal and warthog proof

7. EMPLOYEES

Do not allow the employees to eat in feed stores

Supply employees with sufficient ablution facilities

Regularly arrange to let employees be medicated for tape worm and have health check-ups

Keep record of all employee livestock on the property

Treat employee livestock with separate but dedicated health programs

Ensure employees understand the reason behind the implemented bio-security measures to help ensure compliance.

GENERAL AND REPRODUCTION MANAGEMENT

Record keeping: All animals are individually identified and recorded.

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

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

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

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

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

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

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

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

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

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

HERD HEALTH AND BIO-SECURITY

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

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

Some diseases and parasites (internal and external) are more often encountered in specific areas: Annual vaccinations and a parasite control program should be applied according to regional requirements and in liaison with the veterinarian.

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

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

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

Stock remedies and medicines should be registered, correctly stored and used before the transpire date: All medicines and stock remedies are registered, stored and applied according to prescription.

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

Practices that had nothing to report

Cape Town – Dr. Sophette Gers

Brits – Drs. Boshoff and Coertze

George – Dr. Mark Chimes

Kaapmuiden – Dr. Silke Pfitzer

Mokoane – Dr. Alwyn Venter

Nigel – Dr. Cindy van der Westhuizen

Tulbagh – Dr. Dirk Trigaardt

Vaalwater – Dr. Annemieke Müller

Vaalwater – Dr. Hampie van Staden

Vanderbijlpark – Dr. Kobus Kok

Vryburg – Dr. Jurie Kritzinger

Ostriches

Western Cape

Oudtshoorn

Tapeworms	2
Red gut	3 Feed intake up and down/ leads to gastro-intestinal tract disturbance and red gut – clostridial enteroxaemia
Cryptosporidiosis	3
Soil/pica	3 High temp = high water intake = moist areas in camps and soil pica
Protein energy deficiency	High temperature: result in feed refusal or poor intake – becomes a negative/ catabolic downward spiral
Rectal prolaps	3 Soil pica and heat stres = Cryptosporidium overgrowth

Equines

Mpumalanga

Middelburg

African Horse Sickness – 5 confirmed cases

Gauteng

Muldersdrift

African Horse Sickness – 2

Theileria equi - 2

Pretoria

Brown ear-ticks – 2

Free State

Parys

Eye infection - 2

Western Cape

Plettenberg Bay

Biliary – One horse with suspected biliary fever

Northern Cape

Colesberg

Snake bite – Saddle horse 1 (puff adder)

Biliary - 2

Game

Gauteng

Pretoria

Intestinal roundworms – 3

Tapeworms – 2

Heartwater ticks – 3

Bont-legged ticks - 3

Coccidiosis – 2

Eye problems - 2

Limpopo

Lydenburg

Wireworm – 2

Lameness – 1

Polyarthritis – 1 Eland calf bottle fed

North West

Klerksdorp

Intestinal roundworms – 1

Lichtenburg

Rabies – Meerkat 1

Free State

Parys

Midges - 3

Northern Cape

Colesberg

Blackleg – Rhino 1

Kimberley

Wireworm – 3 Sable

Wireworm - 3 Roan

Monthly report on Livestock and Wildlife isolations for February 2019 from

Vetdiagnostix –Microbiology Laboratory, supplied by dr. Marijke Henton

(henton@vetdx.co.za)

Enteritis in calves yielded *E. coli* [7] and *Cryptosporidium* [1]; in lambs, *E. coli* [4] and *Cryptosporidium* [1], and in pigs, *E. coli* [3]. One of the porcine *E. coli* isolates was positive for STb, which is a heat stable toxin, associated with enteritis in many animals, but mostly in pigs. Other causes of enteritis in pigs were *Salmonella* Typhimurium and an overgrowth of the intestine by yeasts, which is usually caused by excessive oral antibiotic use.

Septicaemia in bovines was associated with *Salmonella* Typhimurium [3] and *Pasteurella multocida* [3]. *Pasteurella multocida* was also the cause of pneumonia in feedlot cattle.

Corynebacterium and actinomycetes were also associated with purulent conditions in cattle; abscessation due to *Trueperella pyogenes* [1], dermatitis *Corynebacterium afermentans* and mastitis, *Corynebacterium amycolatum*. In sheep and goats, abscessation was due to *Corynebacterium pseudotuberculosis* [2], and septicaemia was caused by *T. pyogenes*. *T. pyogenes* was also the cause of an abscess in a sable, and *C. amycolatum* was isolated from wounds in rhino. *Corynebacterium afermentans* and *C. amycolatum* are opportunists of man and animals, and are becoming more common in infections that are resistant to treatment.

Klebsiella pneumoniae, *Streptococcus dysgalactiae* and *Pseudomonas aeruginosa* were also associated with a rhino wound, and a zebra wound was also contaminated with *Klebsiella pneumoniae* and *Pseudomonas aeruginosa*.

An ear infection in an elephant was caused by *Streptococcus agalactiae* [type B]. Both African and Indian elephants, in different parts of the world, commonly suffer from *S. agalactiae* infections. Although *Streptococcus* is nearly always susceptible to simple antibiotics such as penicillin, it is difficult to cure such infections in elephants, but not in other animals.

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

Condition	Comments and Specie
Intestinal round worms	O 3
Tapeworms	O 3
Liver fluke worms	B 3
Parafilaria	B 1
Cysticercosis	B 3
Coccidiosis	O 3

Cryptosporidiosis	B 3, O 3
Blue ticks	B 3
Bont ticks	B 3, O 1
Brown ear ticks	B 3
Bont – legged ticks	B 3
Red-legged ticks	B,O 3
Sheep scab	O 1
Nuisance flies	B,O 3
Blowflies	O 3
Screw-worm	B 2
Midges	B 3
Sarcoptes	B 3
Asiatic red water	B 3
Anaplasmosis	B 3
Heartwater	B 3, O2
Lumpy skin disease	B 3
Three Day Stiff Sickness	B 3
Blackleg	B 3
Swelled head	B 3, O 2
Red gut	B 3
Blood gut	O 3
Salmonellosis	O 1
Pulpy kidney	O 3
<i>E. coli</i>	B 3,O 1

Pericarditis	B 3
Ringworm	B 3
Snotsiekte (BMC)	B 1
IBR	B 3
Warts	B 3
Energy excess	B 3, O 2
Phosphate deficiency	B 3
Vitamin A deficiency	B 3, O 3
Abortion	B 3, O 3
Dystocia	B 3, O 2
Retained afterbirth	B 2
Poor conception	B 2
Mastitis	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
Lightning	B 2
Heatstroke	B 3
Trauma	B, O 3
Deaths reported by farmers: Blue tongue, severe Three day stiff sickness, red water, anaplasmosis,	

blacklg, acidosis, pneumonia, pulpy kidney, <i>Chlamydothya</i> abortions	
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**Feedlot report received from Dr. Andy Hentzen for February 2019
(andyvet@mweb.co.za)**

Condition	Comments and Specie
Liver fluke worms	B 3
Conical fluke	B 3
Parafilaria	B 2
Cysticercosis	B 2
Coccidiosis	B 3
Blue ticks	B 2
Brown ear ticks	B 3
Bont-legged ticks	B 3
Red-legged ticks	B 2
Biting lice	B 2
Sucking lice	B 2
Nuisance flies	B 3
Blowflies	B 1
African red water	B 2
Asiatic red water	B 1
Anaplasmosis	B 2
Three Day Stiff Sickness	B 2
Blackleg	B 2
Red gut	B 3

Ringworm	B 3
BVD	B 2
IBR	B 3
EBL	B 1
Warts	B 3
Water contamination	B 3
Protein deficiency	B 3
Energy deficiency	B 3
Micro mineral deficiency	B3
Abortion	B 3
Dystocia	B 3
Poor conception	B 1
Mastitis	B 1
Lameness	B 3
Lungs	B 3
Diarrhoea	B 3
Eyes	B 3
Abscesses	B,C 3

Monthly report for February 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
Ovine, Lambs	Cerebrocortical necrosis - B1 deficiency	1	Mooreesburg, W. Cape
Bovine, Dairy Cows	Fatty hepatosis + peliosis hepatis	1	Potchefstroom, North West
Porcine, Weaners	Salmonella Typhimurium	1	Vryheid, Mpumalanga
Bovine, Calves	Salmonellosis	1	Kokstad, E. Cape
Bovine, Calves	Salmonellosis	1	Mooi River, KZN

WILDLIFE DISEASE SURVEILANCE			
WILDLIFE SPECIES	DISEASE AGENT	NO. CASES	LOCATION
Sable Calf	Nutritional myopathy	1	Rooiberg, Limpopo
Bat eared Fox	Acute pancreatitis with Pseudomonas endotoxaemia	1	Letaba Limpopo
Flamingo Birds	Salmonella Typhimurium	1	Western Cape
Cheetah, Adult Male	Cheetah nephropathy	1	Hoedspruit, Limpopo
Knysna seahorse, Adult	Atherosclerosis	1	Durban, KZN

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

Condition	Comments and Specie
Heartwater tick	B,E 1
Red-legged tick	E 3
Anaplasmosis	B 1
Pulpy kidney (FSE)	O, 1
<i>E. coli</i>	O 2
Equine sarcoid	E 2
Abortion	B,O 1
Diarhoea (bacterial enteritis)	B,O 1



Section of Pathology
Department of Paraclinical Sciences
Faculty of Veterinary Science

28th February 2019
DAFF
Import/Export Policy Unit Subdirectorate

**Monthly report: Faculty of Veterinary Science cases
Wildlife cases sent to referring veterinarians between 31st January and 28th February
2019**

Cases from State vet Skukuza or Orpen

Cases imported with master permit (none)

PMDate	Species	Final	Histo No
25-Jan-19	Cheetah	Gastritis, chronic renal disease, oxalate nephrosis	S306-19
28-Jan-19	African Buffalo	Negative for bovine tuberculosis	S341-19
28-Jan-19	African Elephant	Suspected paucibacillary tuberculosis	S338-19
28-Jan-19	African Elephant	Suspected tuberculosis	S340-19
28-Jan-19	Impala	Suspected bovine tuberculosis	S339-19
29-Jan-19	Lion	Normal ovary, uterus	S256-19
29-Jan-19	Lion	Normal ovary and uterus	S255-19
01-Feb-19	Cheetah	Chronic renal disease, amyloidosis, oxalate nephrosis	S419-19
05-Feb-19	Cheetah	Acute respiratory failure	S447-19
20-Feb-19	Cheetah	Normal reproductive tract	S635-18

Kind regards,

Prof. Emily Mitchell

DISEASE DISTRIBUTION REPORT AS REPORTED BY VETERINARIANS

Table of Contents

<u>Internal Parasites</u>	<u>Roundworms in general, Resistant Round Worms, Wireworm, Brown stomach-worm, Eye worm (Thelazia rhodesii), Tape Worms, Parafilaria, Liver fluke, Conical Flukes, Cysticercosis</u>
<u>External Parasites</u>	<u>Blue ticks, Resistant blue Ticks, Heartwater (Bont) ticks, Brown ear-ticks, Bont-legged ticks, Red-legged ticks, Biting lice (red lice), Scab mites, Mange Mites, Nuisance Flies, Blowflies, Screw-worm, Nasal bot larvae, Midges, Mosquitoes, Other</u>
<u>Tick-borne Diseases</u>	<u>African red water, Asiatic red water, Anaplasmosis, Heartwater, Sweating Sickness</u>
<u>Insect Transmittable Diseases</u>	<u>Lumpy skin disease, Three-day-stiffsickness, Blue tongue, Nagana</u>
<u>Venereal Diseases</u>	<u>Actinobacillus seminis, Trichomonosis, Vibriosis, Pizzle disease</u>
<u>Bacterial Disease (other)</u>	<u>Blackquarter, Botulism, Pulpy Kidney, Swelled head disease, Red gut (cattle), Blood gut (Sheep), Tetanus, Salmonellosis, Brucella abortus, Brucella ovis, Bovine Tuberculosis, Johne`s disease, Septicaemia, E.coli, Enzootic Abortion, Dermatophilosis (Lumpy Wool), Bovine Dermatophilosis (Senkobo disease), Fusibacterium necrophorum, Other</u>
<u>Protozoal diseases (other)</u>	<u>Coccidiosis, Cryptosporidium</u>
<u>Fungal diseases</u>	<u>Ringworm</u>
<u>Viral Diseases (other)</u>	<u>BMC, Rabies, BVD (Bovine viral diarrhoea), IBR (Infectious bovine rhinotracheitis), BRSV (Bovine respiratory syncytial virus), Enzootic Bovine Leucosis (EBL), Jaagsiekte, Orf, Warts, Rota virus, Corona Virus, Other viral disease not listed</u>
<u>Poisonings (Plant) and Fungal</u>	<u>Cardiac glycoside poisoning, Cestrum, Cynanchum poisoning, Facial eczema, Geeldikkop/Dikoor, Gifblaar, Lantana, Lupine Poisoning, Nitrate poisoning, Prussic acid poisoning, Seneciosis, Tulip Poisoning, Mycotoxicosis, Other</u>
<u>Poisonings</u>	<u>Water contamination, Urea Poisoning, Snake Bite, Blue-green algae, Copper Poisoning, Chemical products, Other</u>
<u>Macro Nutritional Problems</u>	<u>Energy deficiency, Protein deficiency, Phosphate deficiency, Calcium deficiency</u>
<u>Micro Nutritional Problems</u>	<u>Copper deficiency, Zinc deficiency, Selenium deficiency, Magnesium deficiency, Vitamin A deficiency, Vitamin B deficiency</u>
<u>Multi-factorial Disease Conditions</u>	<u>Abortions, Stillbirths, Abscesses, Abscesses in general, Bladder stones, Blindness, Bloat, Blood gut (sheep and goat), Blue udder, Diarrhoea, Epididymitis, Eye Cancer, Eye infections, Joint</u>

	Ill , Lameness/Foot Problems , Lung infection , Mastitis in general , Navel Ill , Trauma , Downer , Traumatic Reticulo-pericarditis , Other , Vestibular syndrome (Middle ear infection)
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
Residues	Drug residues
Non specific diseases	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	1.0 (4)	3.0 (2)		2.0 (1)	2.3 (9)	2.0 (4)	2.0 (3)	2.0 (5)	

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

Beef	1.0 (1)					2.0 (1)			
Sheep	1.0 (2)	3.0 (2)		2.0 (1)	2.3 (9)	2.0 (3)	2.0 (2)	2.3 (4)	
Goat	1.0 (1)						2.0 (1)	1.0 (1)	

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1, Sheep: 1, Goat: 1

Lydenburg, Lydenburg Dieresprekkamer

Sheep: 1

Gauteng

Muldersdrift, Muldersdrift Animal Hospital

Sheep: 3

Pretoria, Anima Veterinary Consulting Rooms

Sheep: 3

North West

Klerksdorp, Klerksdorp Dierehospitaal

Sheep: 2

Free State

Bloemfontein, Dr Stephan Wessels

Sheep: 3

Clocolan, Clocolan Dierekliniek

Sheep: 3

Dewetsdorp, Platkop Dierekliniek

Sheep: 2

Harrismith, Harrismith Dierehospitaal

Sheep: 2

Hoopstad, Hoopstad Dierekliniek

Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Sheep: 2

Parys, Parys Dierehospitaal

Sheep: 2

Viljoenskroon, Viljoenskroon Dierekliniek

Sheep: 3

Wesselsbron, Wesselsbron Dierekliniek

Sheep: 1

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

Sheep: 2

Mooi River, Mooirivier Vet Clinic

Sheep: 2

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2, Sheep: 2

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

Sheep: 2, Goat: 2

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Sheep: 2

Western Cape**Caledon, Caledon Dierekliniek**

Sheep: 2

Caledon, Overberg Veterinary Hospital

Sheep: 2

George, George Animal Hospital

Sheep: 3

Stellenbosch, Stellenbosch Animal Hospital

Sheep: 2, Goat: 1

Resistant Round Worms

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

Mpumalanga**Balfour, Balfour Dierekliniek**

Sheep: 1

Gauteng**Bronkhorstspuit, Kerkstraat Dierekliniek**

Sheep: 2

Pretoria, Anima Veterinary Consulting Rooms

Sheep: 3

Free State**Bloemfontein, Dr Stephan Wessels**

Sheep: 3

Hoopstad, Hoopstad Dierekliniek

Sheep: 3

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

Goat: 2

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Sheep: 2

Western Cape**George, George Animal Hospital**

Sheep: 3

Wireworm

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	3.0 (4)	2.0 (2)			2.3 (7)	2.5 (2)	2.0 (2)	2.0 (1)	3.0 (2)

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

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

Mpumalanga**Ermelo, Mōregloed Veterinêre Spreekkamer**

Sheep: 3

Lydenburg, Longtom Dierekliniek

Sheep: 3, Goat: 3

Standerton, Econovet

Sheep: 3

Gauteng**Bronkhorstspuit, Kerkstraat Dierekliniek**

Beef: 2

Hammanskraal, Themba Animal Clinic

Goat: 2

Free State**Clocolan, Clocolan Dierekliniek**

Sheep: 3

Ficksburg, Oosvrystaat Diere Produkte

Sheep: 3

Hoopstad, Hoopstad Dierekliniek

Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Sheep: 2

Ladybrand, Ladybrand Dierekliniek

Sheep: 2

Reitz, Riemland Dierehospitaal

Sheep: 2

Wesselsbron, Wesselsbron Dierekliniek

Sheep: 1

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

Sheep: 3

Estcourt, Estcourt Vet Clinic

Sheep: 2

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

Sheep: 2, Goat: 2

Western Cape**Plettenberg Bay, Plettenberg Bay A Reitz**

Sheep: 2

Two sheep with haemonchosis died

Northern Cape**Colesberg, Karoo Veterinary Hospital**

Sheep: 3

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

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

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

Free State**Harrismith, Harrismith Dierehospitaal**

Sheep: 1

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

Goat: 2

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

Sheep: 2

Eye worm (*Thelazia rhodesii*)

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

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

Beef	3.0 (1)
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Kwazulu-Natal

Pietermaritzburg, Veterinary House Hospital

Beef: 3

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)		1.0 (1)	2.3 (3)	1.0 (1)	1.0 (1)	1.5 (2)	2.0 (2)

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

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

Mpumalanga

Balfour, Balfour Dierekliniëk

Beef: 1

Gauteng

Pretoria, Anima Veterinary Consulting Rooms

Beef: 2, Sheep: 2

North West

Klerksdorp, Buffeldoorn Dierehospitaal

Sheep: 1

Free State

Bloemfontein, Dr Stephan Wessels

Sheep: 3

Harrismith, Harrismith Dierehospitaal

Sheep: 2

Vrede, Saulshoek Dierepraktyk

Sheep: 2

Kwazulu-Natal

Newcastle, Ncanduvet Newcastle

Beef: 1

Eastern Cape

Graaff-Reinet, Camdeboo Veterinary Clinic

Goat: 1

Western Cape

Darling, Tygerberg Dierehospitaal Darling

Sheep: 2

Riversdale, Riversdal Dierekliniëk

Sheep: 1

Northern Cape

Postmasburg, Postmasburg Dierekliniëk

Sheep: 2, Goat: 2

Parafilaria									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average						1.7 (3)			
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef						1.7 (3)			
Kwazulu-Natal									
Mtubatuba, Mtubatuba Animal Clinic									
Beef: 2									
Pietermaritzburg, Veterinary House Hospital									
Beef: 2									
Pongola, Pongola Animal Clinic									
Beef: 1									
Liver fluke									
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 (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)		1.5 (2)	1.0 (1)				
Dairy							1.0 (1)		
Sheep							3.0 (1)		
Gauteng									
Hammanskraal, Themba Animal Clinic									
Beef: 1									
North West									
Klerksdorp, Klerksdorp Dierehospitaal									
Beef: 1									
Ventersdorp, Ventersdorp Dierekliniek									
Beef: 2									
Free State									
Bloemfontein, Dr Stephan Wessels									
Beef: 1									
Eastern Cape									
Somerset East, Bosberg Veterinary Clinic									
Dairy: 1, Sheep: 3									
Conical Flukes									

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

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

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

Mpumalanga

Balfour, Balfour Dierekliniëk

Beef: 1

Ermelo, Mōregloed Veterinêre Spreekkamer

Beef: 2

Gauteng

Pretoria, Anima Veterinary Consulting Rooms

Beef: 1

Free State

Bloemfontein, Dr Stephan Wessels

Beef: 1

Dewetsdorp, Platkop Dierekliniëk

Sheep: 2

Cysticercosis

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

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

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

Gauteng

Bronkhorstspuit, Kerkstraat Dierekliniëk

Goat: 1

Western Cape

George, George Animal Hospital

Beef: 3

Northern Cape

Postmasburg, Postmasburg Dierekliniëk

Sheep: 2

External Parasites

Blue ticks [^](#)

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.2 (6)	1.0 (1)	3.0 (1)	2.0 (5)	2.8 (13)	2.3 (7)	2.0 (2)	2.6 (7)	

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

Beef	2.2 (6)		3.0 (1)	2.3 (4)	2.7 (10)	2.5 (6)	2.0 (2)	2.8 (4)	
Dairy					3.0 (1)	1.0 (1)		2.5 (2)	
Sheep				1.0 (1)	3.0 (2)			2.0 (1)	
Goat		1.0 (1)							

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 2

Ermelo, Môoregloed Veterinêre Spreekkamer

Beef: 3

Lydenburg, Lydenburg Dieresprekkamer

Beef: 2

Nelspruit, Nelspruit Animal Hospital

Beef: 1

Standerton, Econovet

Beef: 3

Volksrust, Cape Cross Volksrust Dierehospitaal

Beef: 2

Gauteng

Hammanskraal, Themba Animal Clinic

Goat: 1

Limpopo

Bela Bela, Artemis Veterinary Services

Beef: 3

North West

Klerksdorp, Buffeldoorn Dierehospitaal

Beef: 2

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 1, Sheep: 1

Lichtenburg, Dr CM Kruger-Rall

Beef: 3

Ticks general

Rustenburg, Bergbos Dierekliniek

Beef: 3

Free State

Bloemfontein, Dr Stephan Wessels

Beef: 3

Clocolan, Clocolan Dierekliniek

Beef: 2

Ficksburg, Oosvrystaat Diere Produkte

Beef: 3, Dairy: 3, Sheep: 3

Frankfort, Frankfort Dierekliniek

Beef: 3

Harrismith, Harrismith Dierehospitaal

Beef: 2

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 3

Memel, Memel Veterinary Clinic

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

Mooi River, Mooirivier Vet Clinic

Beef: 2

Mtubatuba, Mtubatuba Animal Clinic

Beef: 3

Pietermaritzburg, Veterinary House Hospital

Beef: 3

Underberg, Underberg Veterinary Surgery

Beef: 1, Dairy: 1

Eastern Cape**Aliwal North, Hertzogbrug Dierekliniek**

Beef: 2

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Beef: 2

Western Cape**George, George Animal Hospital**

Beef: 3, Dairy: 3

Heidelberg (WC), Heidelberg Dierekliniek

Beef: 3, Sheep: 2

Malmesbury, Malmesbury Dierehospitaal

Beef: 3, Dairy: 2

Oudtshoorn, Oudtshoorn Dierekliniek

Beef: 2

Resistant blue Ticks

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

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

Beef: 2

Heartwater (Bont) ticks

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (2)	3.0 (5)	2.5 (2)	2.0 (2)	2.0 (1)	2.0 (10)	1.5 (2)		

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

Beef	2.0 (1)	3.0 (2)	2.5 (2)	3.0 (1)	2.0 (1)	2.6 (5)	1.0 (1)		
Sheep		3.0 (2)		1.0 (1)		1.0 (2)			
Goat	2.0 (1)	3.0 (1)				1.7 (3)	2.0 (1)		

Mpumalanga**Lydenburg, Lydenburg Dieresprekkamer**

Beef: 2

Nelspruit, Nelspruit Animal Hospital

Goat: 2

Gauteng**Hammanskraal, Themba Animal Clinic**

Beef: 3, Sheep: 3, Goat: 3

Pretoria, Anima Veterinary Consulting Rooms

Beef: 3, Sheep: 3

Limpopo**Bela Bela, Artemis Veterinary Services**

Beef: 3

Makhado, Blouberg Dierekliniek

Beef: 2

8 cases

North West**Klerksdorp, Klerksdorp Dierehospitaal**

Sheep: 1

Rustenburg, Bergbos Dierekliniek

Beef: 3

Free State**Hoopstad, Hoopstad Dierekliniek**

Beef: 2

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

Beef: 3

Camperdown, Camperdown Vet Clinic

Sheep: 1, Goat: 1

Dundee, Endumeni Herd health

Beef: 3

Mtubatuba, Mtubatuba Animal Clinic

Beef: 3, Goat: 3

Pietermaritzburg, Veterinary House Hospital

Beef: 3

Pongola, Pongola Animal Clinic

Beef: 1, Sheep: 1, Goat: 1

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

Goat: 2

Somerset East

Humansdorp, Humansdorp Veterinary Clinic

Beef: 1

Brown ear-ticks

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.6 (7)	2.0 (1)	3.0 (1)	3.0 (1)	2.0 (2)	2.8 (6)			

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

Beef	2.5 (6)	2.0 (1)	3.0 (1)	3.0 (1)	2.0 (2)	2.8 (6)			
Sheep	3.0 (1)								

Mpumalanga**Ermelo, Mōregloed Veterinêre Spreekkamer**

Beef: 3

Lydenburg, Longtom Dierekliniek

Beef: 3, Sheep: 3

Lydenburg, Lydenburg Dieresprekkamer

Beef: 1

Nelspruit, Nelspruit Animal Hospital

Beef: 3

Standerton, Econovet

Beef: 3

Volksrust, Cape Cross Volksrust Dierehospitaal

Beef: 2

Gauteng**Pretoria, Anima Veterinary Consulting Rooms**

Beef: 2

Limpopo**Bela Bela, Artemis Veterinary Services**

Beef: 3

North West**Rustenburg, Bergbos Dierekliniek**

Beef: 3

Free State**Memel, Memel Veterinary Clinic**

Beef: 2

Vrede, Saulshoek Dierpraktyk

Beef: 2

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

Beef: 3

Dundee, Endumeni Herd health

Beef: 3

Mtubatuba, Mtubatuba Animal Clinic

Beef: 3

Pietermaritzburg, Veterinary House Hospital

Beef: 3

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	1.7 (3)	3.0 (4)	3.0 (1)	2.2 (5)	2.5 (11)	2.0 (2)		1.0 (2)	2.0 (4)

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

Beef	1.7 (3)	3.0 (2)	3.0 (1)	2.3 (3)	2.5 (6)	2.0 (2)		1.0 (2)	2.5 (2)
Sheep		3.0 (1)		2.0 (2)	2.6 (5)				1.0 (1)
Goat		3.0 (1)							2.0 (1)

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1

Lydenburg, Lydenburg Dieresprekkamer

Beef: 2

Nelspruit, Nelspruit Animal Hospital

Beef: 2

Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 3, Goat: 3

Pretoria, Anima Veterinary Consulting Rooms

Beef: 3, Sheep: 3

Limpopo

Bela Bela, Artemis Veterinary Services

Beef: 3

North West

Christiana, Christiana Dierehospitaal

Beef: 3

Klerksdorp, Buffeldoorn Dierehospitaal

Sheep: 3

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 1, Sheep: 1

Rustenburg, Bergbos Dierekliniek

Beef: 3

Free State

Frankfort, Frankfort Dierekliniek

Beef: 3

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 3, Sheep: 3

Memel, Memel Veterinary Clinic

Beef: 2

Philippolis, Rowelsfontein veearts Spreekkamer

Sheep: 3

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 3, Sheep: 3

Wesselsbron, Wesselsbron Dierekliniek

Beef: 1, Sheep: 1

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 3

Mooi River, Mooirivier Vet Clinic

Beef: 1

Western Cape

Oudtshoorn, Ostrimed

Beef: 1

Oudtshoorn, Oudtshoorn Dierekliniek

Beef: 1

Northern Cape

Kathu, Kathu Dierekliniek

Beef: 3

Postmasburg, Postmasburg Dierekliniek

Beef: 2, Sheep: 1, Goat: 2

Red-legged ticks

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.3 (4)	2.5 (2)	3.0 (1)	3.0 (2)	2.5 (8)	2.5 (2)			

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

Beef	1.5 (2)	2.0 (1)	3.0 (1)	3.0 (2)	2.4 (5)	2.5 (2)			
Sheep	1.0 (1)				2.7 (3)				
Goat	1.0 (1)	3.0 (1)							

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1, Sheep: 1, Goat: 1

Lydenburg, Lydenburg Dieresprekkamer

Beef: 2

Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 2, Goat: 3

Limpopo

Bela Bela, Artemis Veterinary Services

Beef: 3

North West**Christiana, Christiana Dierehospitaal**

Beef: 3

Klerksdorp, Buffeldoorn Dierehospitaal

Beef: 3

Free State**Clocolan, Clocolan Dierekliniek**

Beef: 2

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 3, Sheep: 3

Memel, Memel Veterinary Clinic

Beef: 2, Sheep: 2

Vrede, Saulshoek Dierepraktyk

Beef: 2

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

Beef: 3

Pongola, Pongola Animal Clinic

Beef: 2

Biting lice (red lice)

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**Wesselsbron, Wesselsbron Dierekliniek**

Sheep: 1

Scab mites

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

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

Sheep		2.0 (1)						1.0 (1)	
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Gauteng**Bapsfontein, Bapsfontein Dierehospitaal**

Sheep: 2

Western Cape**Darling, Tygerberg Dierehospitaal Darling**

Sheep: 1

Mange Mites [^](#)

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)			
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Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1

Sarcoptes

Kwazulu-Natal

Dundee, Endumeni Herd health

Beef: 2

Nuisance Flies [^](#)

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.3 (7)	2.0 (1)		3.0 (1)	2.8 (8)	2.3 (6)	1.0 (1)	2.2 (10)	

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

Beef	2.3 (4)	2.0 (1)		3.0 (1)	2.6 (5)	2.5 (4)		2.0 (4)	
Dairy					3.0 (1)	2.0 (1)	1.0 (1)	2.3 (4)	
Sheep	2.0 (1)				3.0 (2)			2.5 (2)	
Goat	2.5 (2)					2.0 (1)			

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 2, Sheep: 2, Goat: 2

Grootvlei, Grootvlei Dierekliniek

Beef: 1

Lydenburg, Longtom Dierekliniek

Beef: 3

Nelspruit, Nelspruit Animal Hospital

Beef: 3, Goat: 3

Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 2

North West

Christiana, Christiana Dierehospitaal

Beef: 3

Free State

Harrismith, Harrismith Dierehospitaal

Beef: 2

Kroonstad, Kroonstad Dierehospitaal

Beef: 3, Dairy: 3, Sheep: 3

Memel, Memel Veterinary Clinic

Beef: 2

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 3, Sheep: 3

Winburg, Winburg Dierekliniek

Beef: 3

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 3

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2, Goat: 2

Pietermaritzburg, Veterinary House Hospital

Beef: 3

Underberg, Underberg Veterinary Surgery

Beef: 2, Dairy: 2

Eastern Cape

Alexandria, Alexandria Platteland Spreekkamer

Dairy: 1

Western Cape

Heidelberg (WC), Heidelberg Dierekliniek

Dairy: 3

Malmesbury, Dr Otto Kriek

Dairy: 2

Malmesbury, Malmesbury Dierehospitaal

Beef: 3, Dairy: 3, Sheep: 3

Oudtshoorn, Ostrimed

Beef: 2, Sheep: 2

Oudtshoorn, Oudtshoorn Dierekliniek

Beef: 2

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
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Average					2.6 (5)				
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Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef					3.0 (3)				
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Sheep					2.0 (2)				
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Free State

Bloemfontein, Dr Stephan Wessels

Beef: 3

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Memel, Memel Veterinary Clinic

Sheep: 1

Winburg, Winburg Dierekliniek

Beef: 3

Screw-worm

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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Mpumalanga**Nelspruit, Nelspruit Animal Hospital**

Beef: 1

Nasal bot larvae

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
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Average	2.5 (2)				2.3 (6)		1.0 (1)		
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Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Sheep	2.5 (2)				2.3 (6)		1.0 (1)		
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Mpumalanga**Ermelo, Mōregloed Veterinêre Sprekkamer**

Sheep: 3

Standerton, Econovet

Sheep: 2

Free State**Frankfort, Frankfort Dierekliniek**

Sheep: 3

Hoopstad, Hoopstad Dierekliniek

Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Sheep: 2

Ladybrand, Ladybrand Dierekliniek

Sheep: 3

Vrede, Saulshoek Dierepraktyk

Sheep: 2

Wesselsbron, Wesselsbron Dierekliniek

Sheep: 1

Eastern Cape**Queenstown, Queenstown Provincial Vet Lab**

Sheep: 1

Midges

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

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

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

Mpumalanga**Balfour, Balfour Dierekliniek**

Beef: 2, Sheep: 2, Goat: 2

Lydenburg, Longtom Dierekliniek

Beef: 3

Gauteng**Hammanskraal, Themba Animal Clinic**

Beef: 2, Sheep: 2, Goat: 2

North West**Christiana, Christiana Dierehospitaal**

Beef: 3, Sheep: 3

Free State**Hoopstad, Hoopstad Dierekliniek**

Beef: 2, Sheep: 2

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

Beef: 3

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

Sheep: 2, Goat: 2

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

Dairy: 3, Sheep: 3

Mosquitoes

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

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

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

Mpumalanga

Lydenburg, Longtom Dierekliniek

Beef: 3

Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 2, Sheep: 2, Goat: 2

Free State

Hoopstad, Hoopstad Dierekliniek

Beef: 2, Sheep: 2

Western Cape

Heidelberg (WC), Heidelberg Dierekliniek

Dairy: 2, Sheep: 2

Other

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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North West

Potchefstroom, Morvet

Beef: 2

Tsetse flies seen in Ciskei. Heifers seen standing, asleep! Most likely Trypanosomiasis, sleeping sickness

Tick-borne Diseases

African red water

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (4)		2.0 (1)	1.5 (2)	2.0 (6)	1.5 (8)	1.6 (5)	2.6 (5)	

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

Beef	2.0 (4)		2.0 (1)	1.5 (2)	2.0 (6)	1.6 (7)	1.3 (3)	2.5 (2)	
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Dairy

1.0 (1)

2.0 (2)

2.7 (3)

Mpumalanga**Lydenburg, Longtom Dierekliniek**

Beef: 3

Lydenburg, Lydenburg Dieresprekkamer

Beef: 1

Nelspruit, Nelspruit Animal Hospital

Beef: 1

Standerton, Econovet

Beef: 3

Limpopo**Makhado, Blouberg Dierekliniek**

Beef: 2

Four cases

North West**Klerksdorp, Klerksdorp Dierehospitaal**

Beef: 1

Potchefstroom, Morvet

Beef: 2

Free State**Frankfort, Frankfort Dierekliniek**

Beef: 3

Harrismith, Harrismith Dierehospitaal

Beef: 2

Kroonstad, Kroonstad Dierehospitaal

Beef: 2

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 2

Vrede, Saulshoek Dierepraktyk

Beef: 2

Vrede, Vrede Dierehospitaal

Beef: 1

One farm

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

Beef: 2

Estcourt, Estcourt Vet Clinic

Beef: 1, Dairy: 1

Mooi River, Mooirivier Vet Clinic

Beef: 2

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2

Newcastle, Ncanduvet Newcastle

Beef: 1

Pietermaritzburg, Veterinary House Hospital

Beef: 2

Underberg, Underberg Veterinary Surgery

Beef: 1

Eastern Cape**Alexandria, Alexandria Platteland Spreekkamer**

Beef: 2

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: 1

Western Cape**Caledon, Overberg Veterinary Hospital**

Beef: 2

George, George Animal Hospital

Beef: 3, Dairy: 3

Heidelberg (WC), Heidelberg Dierekliniek

Dairy: 3

Worcester, Durban Straat Dierekliniek Worcester

Dairy: 2

Asiatic red water

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.1 (7)	2.0 (3)		2.0 (1)	2.0 (4)	1.7 (9)	1.8 (4)	1.9 (7)	

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

Beef	2.1 (7)	2.0 (3)		2.0 (1)	2.0 (4)	1.8 (8)	1.8 (4)	1.7 (3)	
Dairy						1.0 (1)		2.0 (4)	

Mpumalanga**Bethal, Bethal Dierekliniek**

Beef: 1

Ermelo, Mōregloed Veterinêre Spreekkamer

Beef: 3

Grootvlei, Grootvlei Dierekliniek

Beef: 1

Lydenburg, Longtom Dierekliniek

Beef: 3

Lydenburg, Lydenburg Dieresprekkamer

Beef: 2

Standerton, Econovet

Beef: 3

Volksrust, Cape Cross Volksrust Dierehospitaal

Beef: 2

Gauteng**Bapsfontein, Bapsfontein Dierehospitaal**

Beef: 1

Bronkhorstspuit, Kerkstraat Dierekliniek

Beef: 2

Muldersdrift, Muldersdrift Animal Hospital

Beef: 3

Asiatic red water in a herd, acute deaths

North West**Potchefstroom, Morvet**

Beef: 2

Free State

Frankfort, Frankfort Dierekliniek

Beef: 3

Memel, Memel Veterinary Clinic

Beef: 2

Reitz, Riemland Dierehospitaal

Beef: 1

Vrede, Saulshoek Dierepraktyk

Beef: 2

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Dundee, Endumeni Herd health

Beef: 3

Estcourt, Estcourt Vet Clinic

Beef: 1, Dairy: 1

Mooi River, Mooirivier Vet Clinic

Beef: 1

Mtubatuba, Mtubatuba Animal Clinic

Beef: 1

Pietermaritzburg, Veterinary House Hospital

Beef: 1

Underberg, Underberg Veterinary Surgery

Beef: 3

Seasonal expectation

Vryheid, Vryheid Privaat Veeartse

Beef: 2

Eastern Cape

Humansdorp, Humansdorp Veterinary Clinic

Beef: 3

Stutterheim, Stutterheim Veterinary Clinic

Beef: 2

Two outbreaks since rainy season started

Uitenhage, Uitenhage Dierehospitaal

Beef: 1

Witelsbos, Witelsbos Veterinary Consulting Rooms

Beef: 1

Western Cape

George, George Animal Hospital

Beef: 3, Dairy: 3

Heidelberg (WC), Heidelberg Dierekliniek

Dairy: 2

Oudtshoorn, Ostrimed

Beef: 1

Riversdale, Riversdal Dierekliniek

Dairy: 2

Stellenbosch, Stellenbosch Animal Hospital

Beef: 1

Swellendam, Swellendam Dierehospitaal

Dairy: 1

Anaplasmosis



PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
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Average	1.7 (3)	1.5 (2)		3.0 (2)	2.2 (13)	2.0 (2)	2.0 (4)	1.8 (11)	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	1.7 (3)	1.5 (2)		3.0 (2)	2.2 (11)	2.0 (2)	1.7 (3)	1.3 (6)	2.0 (1)
Dairy					2.5 (2)		3.0 (1)	2.4 (5)	

Mpumalanga

Grootvlei, Grootvlei Dierekliniek

Beef: 2

Standerton, Econovet

Beef: 2

Volksrust, Cape Cross Volksrust Dierehospitaal

Beef: 1

Gauteng

Bronkhorstspuit, Kerkstraat Dierekliniek

Beef: 2

Pretoria, Anima Veterinary Consulting Rooms

Beef: 1

North West

Christiana, Christiana Dierehospitaal

Beef: 3

Klerksdorp, Buffeldoorn Dierehospitaal

Beef: 3

Free State

Bloemfontein, Dr Stephan Wessels

Beef: 3

Clocolan, Clocolan Dierekliniek

Beef: 2

Dewetsdorp, Platkop Dierekliniek

Beef: 1

Ficksburg, Oosvrystaat Diere Produkte

Beef: 1

Harrismith, Harrismith Dierehospitaal

Beef: 2

Hoopstad, Hoopstad Dierekliniek

Beef: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 3, Dairy: 3

Ladybrand, Ladybrand Dierekliniek

Beef: 3

Reitz, Riemland Dierehospitaal

Beef: 2, Dairy: 2

Wesselsbron, Wesselsbron Dierekliniek

Beef: 1

Winburg, Winburg Dierekliniek

Beef: 3

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Mooi River, Mooirivier Vet Clinic

Beef: 2

Eastern Cape

Aliwal North, Hertzogbrug Dierekliniek

Beef: 2

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Beef: 2

Humansdorp, Humansdorp Veterinary Clinic

Beef: 1

Somerset East, Bosberg Veterinary Clinic

Dairy: 3

Western Cape

Caledon, Overberg Veterinary Hospital

Beef: 2

George, George Animal Hospital

Dairy: 3

Heidelberg (WC), Heidelberg Dierekliniek

Dairy: 3

Malmesbury, Invitrotech

Dairy: 2

Three cases

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 2

Oudtshoorn, Ostrimed

Beef: 1

Riversdale, Riversdal Dierekliniek

Beef: 1, Dairy: 2

Stellenbosch, Stellenbosch Animal Hospital

Beef: 1

Worcester, Durban Straat Dierekliniek Worcester

Beef: 1

Northern Cape

Kathu, Kathu Dierekliniek

Beef: 2

Heartwater

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
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Average	3.0 (1)	2.4 (7)	1.4 (5)	1.5 (2)		2.0 (10)	1.7 (7)		
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Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef	3.0 (1)	2.3 (3)	1.0 (2)	2.0 (1)		2.2 (5)			
Dairy						2.0 (1)	2.0 (2)		
Sheep		2.5 (2)	1.5 (2)	1.0 (1)		1.0 (1)	1.5 (2)		
Goat		2.5 (2)	2.0 (1)			2.0 (3)	1.7 (3)		

Mpumalanga

Lydenburg, Longtom Dierekliniek

Beef: 3

Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 3, Sheep: 2, Goat: 3

Pretoria, Anima Veterinary Consulting Rooms

Beef: 3, Sheep: 3

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 1, Goat: 2

Limpopo**Modimolle, Kranskop Dierekliniek**

Sheep: 2, Goat: 2

Polokwane, Pietersburg Veterinary Clinic

Beef: 1, Sheep: 1

Tzaneen, ZZ2 Farm Practice

Beef: 1

North West**Klerksdorp, Klerksdorp Dierehospitaal**

Sheep: 1

Rustenburg, Bergbos Dierekliniek

Beef: 2

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

Beef: 3

Dundee, Endumeni Herd health

Beef: 3, Goat: 2

Estcourt, Estcourt Vet Clinic

Dairy: 2

Mtubatuba, Mtubatuba Animal Clinic

Beef: 3, Goat: 3

Newcastle, Ncanduvet Newcastle

Beef: 1

Pietermaritzburg, Veterinary House Hospital

Beef: 1

Pongola, Pongola Animal Clinic

Sheep: 1, Goat: 1

Eastern Cape**Cofimvaba, State Vet Cofimvaba**

Sheep: 2, Goat: 2

Graaff-Reinet, Camdeboo Veterinary Clinic

Goat: 2

Somerset East

Jeffreys Bay, Cape Cross Veterinary Hospital

Dairy: 3

Queenstown, Queenstown Provincial Vet Lab

Sheep: 1

Somerset East, Bosberg Veterinary Clinic

Dairy: 1

Uitenhage, Uitenhage Dierehospitaal

Goat: 1

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

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

Beef		1.3 (3)	2.5 (2)	2.5 (2)	2.0 (4)	1.0 (1)		2.0 (1)
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Gauteng

Bronkhorstspuit, Kerkstraat Dierekliniek

Beef: 2

Hammanskraal, Themba Animal Clinic

Beef: 1

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 1

Limpopo

Makhado, Blouberg Dierekliniek

Beef: 2

Seven cases

Modimolle, Kranskop Dierekliniek

Beef: 3

North West

Christiana, Christiana Dierehospitaal

Beef: 3

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 2

Free State

Bloemfontein, Dr Stephan Wessels

Beef: 1

Hoopstad, Hoopstad Dierekliniek

Beef: 3

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 3

Wesselsbron, Wesselsbron Dierekliniek

Beef: 1

Kwazulu-Natal

Pongola, Pongola Animal Clinic

Beef: 1

Northern Cape

Postmasburg, Postmasburg Dierekliniek

Beef: 2

Insect Transmittable Diseases

Lumpy skin disease

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.7 (3)	1.0 (1)	2.0 (1)	3.0 (1)	1.8 (5)	1.9 (7)	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	1.7 (3)	1.0 (1)	2.0 (1)	3.0 (1)	1.8 (5)	1.9 (7)	1.0 (1)		1.0 (1)
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Mpumalanga**Lydenburg, Longtom Dierekliniek**

Beef: 2

Lydenburg, Lydenburg Dieresprekkamer

Beef: 2

Standerton, Econovet

Beef: 1

Gauteng**Bapsfontein, Bapsfontein Dierehospitaal**

Beef: 1

Limpopo**Makhado, Blouberg Dierekliniek**

Beef: 2

Three cases

North West**Potchefstroom, Morvet**

Beef: 3

Free State**Bloemfontein, Dr Stephan Wessels**

Beef: 3

Ficksburg, Oosvrystaat Diere Produkte

Beef: 2

Parys, Parys Dierehospitaal

Beef: 2

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 1

Vrede, Saulshoek Dierepraktyk

Beef: 1

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

Beef: 2

Dundee, Endumeni Herd health

Beef: 2

Estcourt, Estcourt Vet Clinic

Beef: 2

Mooi River, Mooirivier Vet Clinic

Beef: 1

Pongola, Pongola Animal Clinic

Beef: 2

Underberg, Underberg Veterinary Surgery

Beef: 2

Reported by farmers, unsubstantiated

Vryheid, Vryheid Privaat Veeartse

Beef: 2

Local community

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

Beef: 1

Schoonbee

Western Cape**George, George Animal Hospital**

Dairy: 1

Northern Cape**Upington, Upington Veeartsenykliniek**

Beef: 1

Three-day-stiffsickness [^](#)

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

Mpumalanga

Grootvlei, Grootvlei Dierekliniek

Beef: 1

Lydenburg, Longtom Dierekliniek

Beef: 2

Piet Retief, Pets Vet Hospital

Beef: 2

Standerton, Econovet

Beef: 1

Gauteng

Bronkhorstspuit, Kerkstraat Dierekliniek

Beef: 2

Hammanskraal, Themba Animal Clinic

Beef: 2

Limpopo

Makhado, Blouberg Dierekliniek

Beef: 2

8 cases

Tzaneen, ZZ2 Farm Practice

Beef: 2

North West

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 1

Free State

Bloemfontein, Dr Stephan Wessels

Beef: 3

Clocolan, Clocolan Dierekliniek

Dairy: 2

Reitz, Riemland Dierehospitaal

Beef: 2, Dairy: 2

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 1

Vrede, Saulshoek Dierpraktyk

Beef: 1

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2

Blue tongue									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.5 (2)	2.7 (3)	1.0 (1)	3.0 (3)	2.2 (9)	1.3 (3)	2.2 (6)	1.6 (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 (1)		2.0 (1)		
Dairy							2.0 (2)	1.5 (2)	
Sheep	2.5 (2)	2.7 (3)	1.0 (1)	3.0 (3)	2.4 (8)	1.3 (3)	2.3 (3)	1.7 (6)	
Goat								1.0 (1)	

Mpumalanga**Lydenburg, Longtom Dierkliniek**

Sheep: 3

Lydenburg, Lydenburg Dieresprekkamer

Sheep: 2

Gauteng**Bapsfontein, Bapsfontein Dierehospitaal**

Sheep: 2

Bronkhorstspuit, Kerkstraat Dierkliniek

Sheep: 3

Pretoria, Anima Veterinary Consulting Rooms

Sheep: 3

Limpopo**Modimolle, Kranskop Dierkliniek**

Sheep: 1

North West**Christiana, Christiana Dierehospitaal**

Sheep: 3

Klerksdorp, Buffeldoorn Dierehospitaal

Sheep: 3

Potchefstroom, Morvet

Sheep: 3

Free State**Bloemfontein, Dr Stephan Wessels**

Sheep: 3

Bultfontein, Greylingrust Dieresprekkamer

Sheep: 3

Where farmers did not vaccinate

Ficksburg, Oosvrystaat Diere Produkte

Sheep: 3

Hoopstad, Hoopstad Dierkliniek

Sheep: 2

Ladybrand, Ladybrand Dierkliniek

Sheep: 2

Reitz, Riemland Dierehospitaal

Sheep: 2

Smithfield, Freestate Smithfield SV

Beef: 1

Seven month old calf

Viljoenskroon, Viljoenskroon Dierekliniek

Sheep: 2

Vrede, Saulshoek Dierepraktyk

Sheep: 2

Kwazulu-Natal

Camperdown, Camperdown Vet Clinic

Sheep: 2

Estcourt, Estcourt Vet Clinic

Sheep: 1

Newcastle, Ncanduvet Newcastle

Sheep: 1

Eastern Cape

Aliwal North, Hertzogbrug Dierekliniek

Sheep: 2

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Sheep: 2

Jeffreys Bay, Cape Cross Veterinary Hospital

Dairy: 2

Somerset East, Bosberg Veterinary Clinic

Dairy: 2

Witelsbos, Witelsbos Veterinary Consulting Rooms

Beef: 2, Sheep: 3

Western Cape

Caledon, Overberg Veterinary Hospital

Sheep: 2

Darling, Tygerberg Dierehospitaal Darling

Dairy: 2

Four cases in heifers which aborted, within one month, in a vlei stoppel camp. Confirmed

Heidelberg (WC), Heidelberg Dierekliniek

Dairy: 1, Sheep: 2

Oudtshoorn, Ostrimed

Sheep: 3, Goat: 1

Blue tongue symptoms ???

Riversdale, Riversdal Dierekliniek

Sheep: 1

Stellenbosch, Stellenbosch Animal Hospital

Sheep: 1

Worcester, Durban Straat Dierekliniek Worcester

Sheep: 1

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

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

Beef: 3

Stella, Stella Dierekliniek

Beef: 1

Free State

Frankfort, Frankfort Dierekliniek

Beef: 3

Hoopstad, Hoopstad Dierekliniek

Beef: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 2

Ladybrand, Ladybrand Dierekliniek

Beef: 2

Memel, Memel Veterinary Clinic

Beef: 2

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 1

New farm

Winburg, Winburg Dierekliniek

Beef: 2

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 1

Vibriosis

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

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

Beef				2.0 (1)	2.0 (1)	1.5 (2)	1.0 (1)		
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North West

Potchefstroom, Morvet

Beef: 2

Free State

Ladybrand, Ladybrand Dierekliniek

Beef: 2

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Mooi River, Mooirivier Vet Clinic

Beef: 1

Eastern Cape

Queenstown, Queenstown Veterinary clinic

Beef: 1

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

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

Camperdown, Camperdown Vet Clinic

Sheep: 1

Western Cape

Beaufort West, Beaufort Dierekliniek

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	2.0 (3)				1.4 (5)	2.0 (4)		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	2.0 (3)				1.4 (5)	2.0 (4)			2.0 (1)
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Sheep								1.0 (1)	
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Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 2

Grootvlei, Grootvlei Dierekliniek

Beef: 2

Standerton, Econovet

Beef: 2

Free State

Bloemfontein, Dr Stephan Wessels

Beef: 1

Harrismith, Harrismith Dierehospitaal

Beef: 1

Kroonstad, Kroonstad Dierehospitaal

Beef: 1

Memel, Memel Veterinary Clinic

Beef: 2

Wesselsbron, Wesselsbron Dierekliniek

Beef: 2

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Estcourt, Estcourt Vet Clinic

Beef: 1

Mooi River, Mooirivier Vet Clinic

Beef: 2

Underberg, Underberg Veterinary Surgery

Beef: 3

Western Cape

Beaufort West, Beaufort West State Vet

Sheep: 1

Sheep in feedlot, harsslag sponssiekte, most probably *Clostridium septicum*.

Northern Cape

Postmasburg, Postmasburg Direklyniek

Beef: 2

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

North West

Christiana, Christiana Dierehospitaal

Beef: 3

Free State

Hoopstad, Hoopstad Direklyniek

Beef: 1

Reitz, Riemland Dierehospitaal

Sheep: 1

Northern Cape

Postmasburg, Postmasburg Direklyniek

Beef: 1

Pulpy Kidney									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average		1.0 (1)		3.0 (1)	2.2 (5)	1.0 (1)	1.3 (3)	1.5 (2)	2.0 (1)
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Sheep		1.0 (1)		3.0 (1)	2.2 (5)	1.0 (1)	1.0 (2)	1.5 (2)	2.0 (1)

Goat 2.0 (1)

Gauteng

Bapsfontein, Bapsfontein Dierehospitaal

Sheep: 1

North West

Potchefstroom, Morvet

Sheep: 3

Free State

Bloemfontein, Dr Stephan Wessels

Sheep: 3

Hoopstad, Hoopstad Dierekliniek

Sheep: 2

Kroonstad, Kroonstad Dierehospitaal

Sheep: 2

Philippolis, Rowelsfontein veearts Spreekkamer

Sheep: 2

Reitz, Riemland Dierehospitaal

Sheep: 2

Kwazulu-Natal

Newcastle, Ncanduvet Newcastle

Sheep: 1

Eastern Cape

Cofimvaba, State Vet Cofimvaba

Sheep: 1

Graaff-Reinet, Camdeboo Veterinary Clinic

Goat: 2

Queenstown, Queenstown Provincial Vet Lab

Sheep: 1

Western Cape

Caledon, Overberg Veterinary Hospital

Sheep: 2

Darling, Tygerberg Dierehospitaal Darling

Sheep: 1

Northern Cape

Upington, Upington Veeartsenykliniek

Sheep: 2

Swelled head disease ^

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

Mpumalanga

Piet Retief, Pets Vet Hospital

Beef: 1

Gauteng
Bronkhorstspuit, Kerkstraat Dierekliniek

Beef: 2

Free State

Vrede, Saulshoek Dierepraktyk

Beef: 1

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Western Cape

Moorreesburg, Tygerberg mooreesburg

Sheep: 2

Red gut (cattle)

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

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

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

Balfour, Balfour Dierekliniek

Beef: 1

Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 1

Free State

Frankfort, Frankfort Dierekliniek

Beef: 1

Harrismith, Harrismith Dierehospitaal

Beef: 2

Blood gut (Sheep)

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

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

Sheep	1.0 (1)						1.0 (1)		
Goat							1.0 (2)		

Mpumalanga

Bethal, Bethal Dierekliniek

Sheep: 1

Eastern Cape

Graaff-Reinet, Camdeboo Veterinary Clinic

Sheep: 1, Goat: 1

Uitenhage, Uitenhage Dierehospitaal

Goat: 1

Clostridium perfringens Type A**Tetanus**

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 (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

Sheep					1.0 (1)		1.0 (2)		
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Goat	1.0 (1)								
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Mpumalanga**Lydenburg, Longtom Dierekliniek**

Goat: 1

Free State**Reitz, Riemland Dierehospitaal**

Sheep: 1

Eastern Cape**Cofimvaba, State Vet Cofimvaba**

Sheep: 1

Queenstown, Queenstown Provincial Vet Lab

Sheep: 1

Salmonellosis

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)			
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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)			2.0 (1)			
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Mpumalanga**Balfour, Balfour Dierekliniek**

Beef: 1

Limpopo**Makhado, Blouberg Dierekliniek**

Beef: 2

Two calves

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

Beef: 2

Brucella abortus

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

Average	2.5 (2)		2.0 (1)	2.0 (3)	2.6 (5)		1.0 (1)		
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Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef	2.5 (2)		2.0 (1)	2.0 (3)	2.6 (5)				
Dairy							1.0 (1)		

Mpumalanga

Ermelo, Mōregloed Veterinêre Spreekkamer

Beef: 2

Standerton, Econovet

Beef: 3

Limpopo

Makhado, Blouberg Dierekliniek

Beef: 2

Two cases

North West

Christiana, Christiana Dierehospitaal

Beef: 1

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 2

Lichtenburg, Dr CM Kruger-Rall

Beef: 3

61 animals

Free State

Bloemfontein, Dr Stephan Wessels

Beef: 3

Clocolan, Clocolan Dierekliniek

Beef: 2

Hoopstad, Hoopstad Dierekliniek

Beef: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 3

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 2

Present control

Eastern Cape

Somerset East, Bosberg Veterinary Clinic

Dairy: 1

Brucella ovis

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

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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Northern Cape

Calvinia, Calvinia Veeartskliniek

Sheep: 2

Bovine Tuberculosis [^](#)

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

Beef						1.0 (1)			
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Kwazulu-Natal

Mtubatuba, Mtubatuba Animal Clinic

Beef: 1

Johne`s 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)			1.3 (3)	
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Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Sheep					1.0 (1)			1.3 (3)	
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Free State

Reitz, Riemland Dierhospitaal

Sheep: 1

Waiting for laboratory results. Typical *post mortem*

Western Cape

Caledon, Caledon Dierkliniek

Sheep: 1

Darling, Tygerberg Dierhospitaal Darling

Sheep: 2

Heidelberg (WC), Heidelberg Dierkliniek

Sheep: 1

Septicaemia [^](#)

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

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

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

Gauteng

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 1

Western Cape

Malmesbury, Malmesbury Dierehospitaal

Dairy: 2, Sheep: 2

Northern Cape

Calvinia, Calvinia Veeartskliniek

Sheep: 3

E. coli

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

Mpumalanga

Balfour, Balfour Dierkliniek

Beef: 2

Grootvlei, Grootvlei Dierkliniek

Sheep: 2

Standerton, Econovet

Beef: 2, Sheep: 2

Limpopo

Makhado, Blouberg Dierkliniek

Beef: 2

Four calves

North West

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 3, Sheep: 3

Lichtenburg, Dr CM Kruger-Rall

Beef: 3

Calves

Free State**Bloemfontein, Dr Stephan Wessels**

Sheep: 3

Clocolan, Clocolan Dierekliniek

Beef: 2, Dairy: 2

Dewetsdorp, Platkop Dierekliniek

Sheep: 2

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 2, Sheep: 2

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

Sheep: 1

Pietermaritzburg, Veterinary House Hospital

Beef: 2

Western Cape**Malmesbury, Invitrotech**

Dairy: 1

Severe *E. coli* mastitis**Northern Cape****Calvinia, Calvinia Veeartskliniek**

Sheep: 3

Enzootic Abortion

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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Free State**Wesselsbron, Wesselsbron Dierekliniek**

Sheep: 1

Eastern Cape**Stutterheim, Stutterheim Veterinary Clinic**

Sheep: 2

Enzootic abortion in maiden ewes not vaccinated

Dermatophilosis (Lumpy Wool)

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

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

Sheep						3.0 (1)				2.0 (1)
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Free State

Frankfort, Frankfort Dierekliniek

Sheep: 3

Northern Cape

Kimberley, Kimberley Dierekliniek

Sheep: 2

Bovine Dermatophilosis (Senkobo disease)

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

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

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

Grootvlei, Grootvlei Dierekliniek

Beef: 1

Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 2

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					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

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

Free State

Harrismith, Harrismith Dierehospitaal

Sheep: 1

Western Cape

Malmesbury, Malmesbury Dierehospitaal

Dairy: 2

Stellenbosch, Stellenbosch Animal Hospital

Beef: 1

Other

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

Hammanskraal, Themba Animal Clinic

Goat: 1

Kwazulu-Natal

Pongola, Pongola Animal Clinic

Beef: 1

Bacterial folliculitis

Vryheid, Vryheid Privaat Veeartse

Beef: 3

Pasteurella multocida in calves

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	2.7 (3)	2.0 (2)	2.0 (1)		2.3 (4)	1.5 (4)	1.9 (7)	2.3 (4)	
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Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

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

Lydenburg, Longtom Dierkliniek

Sheep: 3, Goat: 3

Lydenburg, Lydenburg Dieresprekkamer

Sheep: 2

Gauteng

Hammanskraal, Themba Animal Clinic

Goat: 2

Pretoria, Anima Veterinary Consulting Rooms

Sheep: 2

Limpopo

Makhado, Blouberg Dierekliniek

Beef: 2

Free State

Bloemfontein, Dr Stephan Wessels

Sheep: 3

Dewetsdorp, Platkop Dierekliniek

Sheep: 2

Harrismith, Harrismith Dierehospitaal

Sheep: 2

Reitz, Riemland Dierehospitaal

Beef: 2

Kwazulu-Natal

Dundee, Endumeni Herd health

Beef: 2

Mtubatuba, Mtubatuba Animal Clinic

Beef: 1

Newcastle, Ncanduvet Newcastle

Goat: 1

Underberg, Underberg Veterinary Surgery

Sheep: 2

Eastern Cape

Alexandria, Alexandria Platteland Spreekkamer

Dairy: 2

Bathurst, Dr Jane Pistorius

Goat: 2

Graaff-Reinet, Camdeboo Veterinary Clinic

Goat: 2

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Sheep: 2

Humansdorp, Humansdorp Veterinary Clinic

Beef: 1

Witelsbos, Witelsbos Veterinary Consulting Rooms

Sheep: 2, Goat: 2

Western Cape

Caledon, Caledon Dierekliniek

Sheep: 2

Oudtshoorn, Ostrimed

Sheep: 2, Goat: 2

Swellendam, Swellendam Dierehospitaal

Sheep: 3

Cryptosporidium



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

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

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

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 2

Gauteng

Hammanskraal, Themba Animal Clinic

Goat: 1

North West

Klerksdorp, Buffeldoorn Dierehospitaal

Beef: 2

Calves

Potchefstroom, Morvet

Sheep: 3

Free State

Clocolan, Clocolan Dierekliniek

Dairy: 1

Harrismith, Harrismith Dierehospitaal

Beef: 2

Vrede, Saulshoek Dierepraktyk

Sheep: 2

Kwazulu-Natal

Newcastle, Ncanduvet Newcastle

Beef: 1

Eastern Cape

Humansdorp, Humansdorp Veterinary Clinic

Beef: 1

Jeffreys Bay, Cape Cross Veterinary Hospital

Dairy: 3

Western Cape

George, George Animal Hospital

Dairy: 3

Fungal diseases

Ringworm

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

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

Beef	2.5 (2)	1.0 (1)	2.0 (1)	2.0 (1)	1.6 (5)	2.3 (4)	2.0 (1)	
Dairy					1.0 (1)			2.0 (1)
Sheep								1.0 (1)

Mpumalanga

Grootvlei, Grootvlei Dierekliniek

Beef: 2

Lydenburg, Lydenburg Dieresprekkamer

Beef: 3

Gauteng

Pretoria, Anima Veterinary Consulting Rooms

Beef: 1

Limpopo

Makhado, Blouberg Dierekliniek

Beef: 2

Four cases

North West

Christiana, Christiana Dierehospitaal

Beef: 2

Free State

Ficksburg, Oosvrystaat Diere Produkte

Beef: 2, Dairy: 1

Kroonstad, Kroonstad Dierehospitaal

Beef: 1

Parys, Parys Dierehospitaal

Beef: 2

Philippolis, Rowelsfontein veearts Spreekkamer

Beef: 1

Reitz, Riemland Dierehospitaal

Beef: 2

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2

Pietermaritzburg, Veterinary House Hospital

Beef: 3

Underberg, Underberg Veterinary Surgery

Beef: 2

Eastern Cape

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Beef: 2

Western Cape

Beaufort West, Beaufort West State Vet

Sheep: 1

Not sure where it came from.

Caledon, Caledon Dierekliniek

Dairy: 2

Viral Diseases (other)

BMC									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (2)	2.0 (1)		1.3 (3)	1.3 (4)		1.0 (2)	2.0 (1)	2.0 (1)
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef	2.0 (2)	2.0 (1)		1.3 (3)	1.3 (4)		1.0 (2)	2.0 (1)	2.0 (1)
Mpumalanga									
Balfour, Balfour Dierekliniek									
Beef: 2									
Lydenburg, Lydenburg Dieresprekkamer									
Beef: 2									
Gauteng									
Bronkhorstspuit, Kerkstraat Dierekliniek									
Beef: 2									
North West									
Klerksdorp, Klerksdorp Dierehospitaal									
Beef: 1									
Lichtenburg, Dr CM Kruger-Rall									
Beef: 1									
Potchefstroom, Morvet									
Beef: 2									
Free State									
Bloemfontein, Dr Stephan Wessels									
Beef: 1									
Ficksburg, Oosvrystaat Diere Produkte									
Beef: 1									
Hoopstad, Hoopstad Dierekliniek									
Beef: 1									
Kroonstad, Kroonstad Dierehospitaal									
Beef: 2									
Eastern Cape									
Humansdorp, Humansdorp Veterinary Clinic									
Beef: 1									
Queenstown, Queenstown Provincial Vet Lab									
Beef: 1									
Sheep associated snotsiekte, Queenstown Area									
Western Cape									
George, George Animal Hospital									
Beef: 2									
Northern Cape									
Colesberg, Karoo Veterinary Hospital									
Beef: 2									
Rabies									

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

Stella, Stella Dierekliniek

Beef: 1

Eastern Cape

Queenstown, Queenstown Provincial Vet Lab

Beef: 1, Sheep: 1

BVD (Bovine viral diarrhoea)

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)			
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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)			
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Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 2

Kwazulu-Natal

Pietermaritzburg, Veterinary House Hospital

Beef: 2

IBR (Infectious bovine rhinotracheitis)

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

Beef						3.0 (1)			
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Dairy								1.0 (1)	
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Kwazulu-Natal

Pietermaritzburg, Veterinary House Hospital

Beef: 3

Western Cape

Riversdale, Riversdal Dierekliniek

Dairy: 1

BRSV (Bovine respiratory syncytial virus)									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average								1.0 (1)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Dairy								1.0 (1)	
Western Cape									
Stellenbosch, Stellenbosch Animal Hospital									
Dairy: 1									
Enzootic Bovine Leucosis (EBL)									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average							2.0 (1)	1.5 (2)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Dairy							2.0 (1)	1.5 (2)	
Eastern Cape									
Kareedouw, Tenax Vet Clinic									
Dairy: 2									
Seven out of 33 bulls tested positive for EBL									
Western Cape									
George, George Animal Hospital									
Dairy: 1									
Malmesbury, Malmesbury Dierehospitaal									
Dairy: 2									
Jaagsiekte									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average		1.0 (1)							
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Sheep		1.0 (1)							
Gauteng									
Pretoria, Anima Veterinary Consulting Rooms									
Sheep: 1									
One confirmed case of jaagsiekte. Ewe were bought 5 months ago from the Northern Cape. The owner is going to wait until all the ewes have lambed before slaughtering them. If lambs are at an acceptable mass they will also be slaughtered. Farm will be kept free of sheep for 3 months before bringing in sheep.									

Orf [^](#)

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.5 (2)	2.7 (3)		3.0 (2)	2.5 (4)	2.0 (2)		3.0 (1)	2.0 (1)

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

Sheep	1.5 (2)	2.0 (1)		3.0 (1)	2.5 (4)	2.0 (2)		3.0 (1)	
Goat		3.0 (2)		3.0 (1)					2.0 (1)

Mpumalanga

Ermelo, Mōregloed Veterinêre Spreekkamer

Sheep: 1

Piet Retief, Pets Vet Hospital

Sheep: 2

Gauteng

Bronkhorstspuit, Kerkstraat Dierekliniek

Sheep: 2, Goat: 3

Hammanskraal, Themba Animal Clinic

Goat: 3

North West

Potchefstroom, Morvet

Sheep: 3, Goat: 3

Free State

Hoopstad, Hoopstad Dierekliniek

Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Sheep: 2

Parys, Parys Dierehospitaal

Sheep: 3

Vrede, Saulshoek Dierepraktyk

Sheep: 2

Kwazulu-Natal

Newcastle, Ncanduvet Newcastle

Sheep: 1

Underberg, Underberg Veterinary Surgery

Sheep: 3

Western Cape

George, George Animal Hospital

Sheep: 3

Northern Cape

Postmasburg, Postmasburg Dierekliniek

Goat: 2

Warts [^](#)

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
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Average	1.3 (3)	2.0 (1)		2.0 (1)	1.8 (8)	1.5 (4)	1.0 (1)	3.0 (1)	1.0 (1)
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Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef	1.3 (3)	2.0 (1)		2.0 (1)	1.9 (7)	1.5 (4)	1.0 (1)	3.0 (1)	1.0 (1)
Dairy					1.0 (1)				

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1

Lydenburg, Lydenburg Dieresprekkamer

Beef: 2

Piet Retief, Pets Vet Hospital

Beef: 1

Gauteng

Bronkhorstspuit, Kerkstraat Dierekliniek

Beef: 2

North West

Christiana, Christiana Dierehospitaal

Beef: 2

Free State

Ficksburg, Oosvrystaat Diere Produkte

Beef: 2, Dairy: 1

Frankfort, Frankfort Dierekliniek

Beef: 3

Hoopstad, Hoopstad Dierekliniek

Beef: 3

Memel, Memel Veterinary Clinic

Beef: 1

Philippolis, Rowelsfontein veearts Spreekkamer

Beef: 1

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 2

Wesselsbron, Wesselsbron Dierekliniek

Beef: 1

Kwazulu-Natal

Dundee, Endumeni Herd health

Beef: 2

Estcourt, Estcourt Vet Clinic

Beef: 1

Mtubatuba, Mtubatuba Animal Clinic

Beef: 1

Pietermaritzburg, Veterinary House Hospital

Beef: 2

Eastern Cape

Humansdorp, Humansdorp Veterinary Clinic

Beef: 1

Western Cape

George, George Animal Hospital

Beef: 3

Northern Cape

Upington, Upington Veeartsenykliniek

Beef: 1

Rota virus

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

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

Dairy

3.0 (2)

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

Dairy: 3

Somerset East, Bosberg Veterinary Clinic

Dairy: 3

Corona Virus

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

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

Beef

1.0 (1)

Free State**Clocolan, Clocolan Dierekliniek**

Beef: 1

Other viral disease not listed

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

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

Dairy

3.0 (1)

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

Dairy: 3

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

North West

Christiana, Christiana Dierehospitaal

Beef: 3

Slangkop

Free State

Ficksburg, Oosvrystaat Diere Produkte

Beef: 1

Eastern Cape

Alexandria, Riverview Trading Vet Consulting Services

Beef: 2

Graaff-Reinet, Camdeboo Veterinary Clinic

Sheep: 1

Cestrum [^](#)

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

Beef					2.0 (1)				
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Free State

Hoopstad, Hoopstad Dierekliniek

Beef: 2

Cynanchum poisoning [^](#)

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

Swellendam, Swellendam Dierehospitaal

Sheep: 2

Facial eczema

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

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

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

Free State

Harrismith, Harrismith Dierehospitaal

Sheep: 2

Kroonstad, Kroonstad Dierehospitaal

Beef: 2

Eastern Cape

Jeffreys Bay, Cape Cross Veterinary Hospital

Dairy: 3

Western Cape

George, George Animal Hospital

Dairy: 2

Heidelberg (WC), Heidelberg Dierekliniek

Sheep: 1

Geeldikkop/Dikoor

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

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

Sheep	1.0 (1)				2.3 (6)			1.7 (3)	
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Mpumalanga

Ermelo, Mōoregloed Veterinêre Spreekkamer

Sheep: 1

Free State

Bultfontein, Greylingrust Dieresprekkamer

Sheep: 3

Three to 10 sheep - many duwweltjies

Clocolan, Clocolan Dierekliniek

Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Sheep: 2

Ladybrand, Ladybrand Dierekliniek

Sheep: 2

Smithfield, Freestate Smithfield SV

Sheep: 2

Tribulus spp. (duwweltjies), 5 cases in Edenburg

Wesselsbron, Wesselsbron Dierekliniek

Sheep: 2

Western Cape

Heidelberg (WC), Heidelberg Dierekliniek

Sheep: 1

Malmesbury, Malmesbury Dierehospitaal

Sheep: 2

Vredenburg, Vredenburg Dierehospitaal

Sheep: 2

Duwweltjies - *Tribulus terrestris*

Gifblaar

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

Sheep							2.0 (1)		
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Goat							2.0 (1)		
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Eastern Cape

Graaff-Reinet, Camdeboo Veterinary Clinic

Sheep: 2, Goat: 2

Lantana

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

Beef						2.0 (4)			
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Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 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)

Mpumalanga

Lydenburg, Longtom Direkliniek

Beef: 1

Seneciosis

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)

Free State

Vrede, Saulshoek Direpraktyk

Beef: 1

Tulip Poisoning

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

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

Beef 1.0 (1)

Dairy 2.0 (1)

Eastern Cape

Somerset East, Bosberg Veterinary Clinic

Dairy: 2

Northern Cape

Upington, Upington Veeartsenykliniek

Beef: 1

Mycotoxicosis

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

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

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

Kwazulu-Natal

Dundee, Endumeni Herd health

Dairy: 1

Western Cape

George, George Animal Hospital

Dairy: 3

Piketberg, Piketberg Dierehospitaal

Sheep: 3

Young ewes - fungi on harvested lupin crop

Other

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

Goat								2.0 (1)	
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Western Cape

Oudtshoorn, Ostrimed

Goat: 2

Melktou, caustic bush, spantoumelkbos (*Sarcostemma viminalis*)

Poisonings

Water contamination

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

Beef						2.0 (1)			
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Kwazulu-Natal

Mooi River, Mooirivier Vet Clinic

Beef: 2

Urea Poisoning

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

Sheep: 3

George, George Animal Hospital

Dairy: 3

Copper Poisoning

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

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

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

Mpumalanga**Ermelo, Mõoregloed Veterinêre Spreekkamer**

Sheep: 1

Western Cape**Piketberg, Piketberg Dierehospitaal**

Sheep: 3

Copper poisoning in ewes. Deaths after shearing stress

Swellendam, Swellendam Dierehospitaal

Dairy: 3

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

Sheep: 2

Geelsiekte

Chemical products

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

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

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

Mpumalanga**Lydenburg, Longtom Dierekliniek**

Beef: 3

Owner mixed dip too strong, adult cattle and calves lethargic, slight ataxia

Gauteng**Hammanskraal, Themba Animal Clinic**

Goat: 2

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

Beef: 1

Amitraz

Eastern Cape

Cofimvaba, State Vet Cofimvaba

Sheep: 1

Organophosphate, Incorrect mixing, 4 of smallest lambs affected.

Other

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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Northern Cape

De Aar, De Aar Veterinary Clinic

Sheep: 2

Wet carcass syndrome

Macro Nutritional Problems

Energy deficiency

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (2)	1.5 (2)		3.0 (1)	1.0 (1)		1.7 (3)	2.8 (4)	2.6 (5)

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

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

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 2, Sheep: 2

Gauteng

Pretoria, Anima Veterinary Consulting Rooms

Sheep: 2

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Sheep: 1

Rumen stasis

North West

Stella, Stella Dierekliniek

Beef: 3

Free State**Harrismith, Harrismith Dierehospitaal**

Beef: 1

Eastern Cape**Alexandria, Alexandria Platteland Spreekkamer**

Beef: 2, Dairy: 2

Somerset East, Bosberg Veterinary Clinic

Beef: 1

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

Sheep: 2

Drought, extra lick blocks given, not all sheep consumed lick.

Malmesbury, Malmesbury Dierehospitaal

Beef: 3, Dairy: 3, Sheep: 3

Northern Cape**Postmasburg, Postmasburg Direkliniek**

Beef: 3, Sheep: 3, Goat: 3

Upington, Upington Veeartsenykliniek

Beef: 2, Sheep: 2

Protein deficiency

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

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

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

Mpumalanga**Balfour, Balfour Direkliniek**

Beef: 1, Sheep: 1

Gauteng**Hammanskraal, Themba Animal Clinic**

Beef: 3, Sheep: 2, Goat: 2

North West**Stella, Stella Direkliniek**

Beef: 3

Eastern Cape**Alexandria, Alexandria Platteland Spreekkamer**

Dairy: 2

Western Cape**Malmesbury, Malmesbury Dierehospitaal**

Beef: 3, Dairy: 3, Sheep: 3

Northern Cape**Postmasburg, Postmasburg Direkliniek**

Beef: 3, Sheep: 3, Goat: 3

Phosphate deficiency

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

Christiana, Christiana Dierehospitaal

Beef: 2

Northern Cape

Kathu, Kathu Dierekliniek

Beef: 2

Kuruman, State Vet Kuruman

Beef: 3

Many lame animals

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

North West

Lichtenburg, Dr CM Kruger-Rall

Beef: 1

Free State

Bultfontein, Greylingrust Dieresprekkamer

Sheep: 2

Parys, Parys Dierehospitaal

Beef: 2

Philippolis, Rowelsfontein veearts Spreekkamer

Sheep: 2

Kwazulu-Natal

Dundee, Endumeni Herd health

Dairy: 1

Western Cape

Caledon, Overberg Veterinary Hospital

Sheep: 2

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 3, Sheep: 2

Micro Nutritional Problems**Copper deficiency**

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

2.0 (1)

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

Sheep

2.0 (1)

Western Cape**Stellenbosch, Stellenbosch Animal Hospital**

Sheep: 2

Zinc 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

Dairy

3.0 (1)

Western Cape**George, George Animal Hospital**

Dairy: 3

Selenium 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)

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)

Goat

2.0 (1)

North West**Christiana, Christiana Dierehospitaal**

Sheep: 3

Northern Cape**Postmasburg, Postmasburg Dierekliniek**

Goat: 2

Magnesium deficiency [^](#)

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

Dairy								1.0 (1)	
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Western Cape

Heidelberg (WC), Heidelberg Dierekliniek

Dairy: 1

Vitamin A deficiency [^](#)

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

Christiana, Christiana Dierehospitaal

Beef: 3, Sheep: 3

Free State

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Vitamin B deficiency [^](#)

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

Goat						1.0 (1)			
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Kwazulu-Natal

Camperdown, Camperdown Vet Clinic

Goat: 1

Multi-factorial Disease Conditions

Abortions									
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)	2.0 (6)	1.8 (4)	1.5 (2)	1.6 (8)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef	2.0 (1)			1.0 (1)	1.8 (5)	1.8 (4)	1.0 (1)	1.0 (1)	
Dairy							2.0 (1)	1.8 (6)	
Sheep	2.0 (1)				3.0 (1)			1.0 (1)	
Goat		1.0 (1)							
Mpumalanga									
Balfour, Balfour Dierekliniek									
Beef: 2									
Lydenburg, Lydenburg Dieresprekkamer									
Sheep: 2									
Gauteng									
Hammanskraal, Themba Animal Clinic									
Goat: 1									
North West									
Lichtenburg, Dr CM Kruger-Rall									
Beef: 1									
Free State									
Bloemfontein, Dr Stephan Wessels									
Beef: 1									
Clocolan, Clocolan Dierekliniek									
Beef: 1									
Hoopstad, Hoopstad Dierekliniek									
Beef: 3, Sheep: 3									
Kroonstad, Kroonstad Dierehospitaal									
Beef: 2									
Reitz, Riemland Dierehospitaal									
Beef: 2									
Kwazulu-Natal									
Bergville, Bergville Veterinary Clinic									
Beef: 2									
Mooi River, Mooirivier Vet Clinic									
Beef: 2									
Pongola, Pongola Animal Clinic									
Beef: 1									
Underberg, Underberg Veterinary Surgery									
Beef: 2									
Eastern Cape									
Alexandria, Alexandria Platteland Spreekkamer									
Dairy: 2									
Humansdorp, Humansdorp Veterinary Clinic									

Beef: 1

Western Cape

Malmesbury, Dr Otto Kriek

Dairy: 1

Malmesbury, Invitrotech

Dairy: 2

Malmesbury, Malmesbury Dierehospitaal

Dairy: 3

Moorreesburg, Tygerberg mooreesburg

Sheep: 1

Plettenberg Bay, Plettenberg Bay A Reitz

Dairy: 1

One Friesland cow, 5 month old abortion. Herd tested negative for brucellosis

Stellenbosch, Stellenbosch Animal Hospital

Beef: 1, Dairy: 1

Swellendam, Swellendam Dierehospitaal

Dairy: 3

Stillbirths

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

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

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

Mpumalanga

Ermelo, Mōregloed Veterinêre Sprekkamer

Beef: 1

Free State

Clocolan, Clocolan Dierekliniek

Beef: 1

Hoopstad, Hoopstad Dierekliniek

Beef: 2, Sheep: 2

Vrede, Vrede Dierehospitaal

Beef: 2

More than 5 heifers had stillborn calves on one farm. Awaiting results from laboratory

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Western Cape

Riversdale, Riversdal Dierekliniek

Dairy: 2

Stellenbosch, Stellenbosch Animal Hospital

Dairy: 1

Abscesses									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.4 (5)	1.0 (4)	3.0 (1)	2.5 (4)	1.8 (8)	2.5 (2)	1.4 (5)	1.9 (7)	1.5 (2)
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef	1.3 (3)	1.0 (2)	3.0 (1)	2.0 (2)	1.8 (4)	2.5 (2)	1.0 (1)	1.5 (2)	1.0 (1)
Dairy							1.0 (1)	2.0 (2)	
Sheep	2.0 (1)	1.0 (1)		3.0 (1)	1.8 (4)			2.0 (2)	2.0 (1)
Goat	1.0 (1)	1.0 (1)		3.0 (1)			1.7 (3)	2.0 (1)	
Mpumalanga									
Balfour, Balfour Dierekliniek									
Beef: 1									
Ermelo, Mōregloed Veterinêre Spreekkamer									
Sheep: 2									
Grootvlei, Grootvlei Dierekliniek									
Beef: 1									
Lydenburg, Lydenburg Dieresprekkamer									
Beef: 2									
Piet Retief, Pets Vet Hospital									
Goat: 1									
Gauteng									
Bapsfontein, Bapsfontein Dierehospitaal									
Sheep: 1									
Pretoria, Anima Veterinary Consulting Rooms									
Beef: 1									
Live abscesses									
Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic									
Beef: 1									
Peputial abscesse									
Goat: 1									
Limpopo									
Modimolle, Kranskop Dierekliniek									
Beef: 3									
North West									
Lichtenburg, Dr CM Kruger-Rall									
Beef: 1									
Potchefstroom, Morvet									
Beef: 3, Sheep: 3									
Stella, Stella Dierekliniek									
Goat: 3									
Free State									
Bultfontein, Greylingrust Dieresprekkamer									
Beef: 2, Sheep: 2									
Corynebacterium paratuberculosis in a few flocks									

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Ladybrand, Ladybrand Dierekliniek

Beef: 1, Sheep: 1

Memel, Memel Veterinary Clinic

Beef: 1, Sheep: 1

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

Beef: 2

Underberg, Underberg Veterinary Surgery

Beef: 3

Eastern Cape**Cofimvaba, State Vet Cofimvaba**

Beef: 1

Graaff-Reinet, Camdeboo Veterinary Clinic

Goat: 2

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Goat: 2

Queenstown, Queenstown Provincial Vet Lab

Goat: 1

Pituitary Abscess

Somerset East, Bosberg Veterinary Clinic

Dairy: 1

Peritonitis secondary to rupture of intra pelvic abscess

Western Cape**Caledon, Overberg Veterinary Hospital**

Sheep: 2

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 3, Sheep: 2

Oudtshoorn, Ostrimed

Goat: 2

Riversdale, Riversdal Dierekliniek

Dairy: 1

Worcester, Durban Straat Dierekliniek Worcester

Beef: 1

Northern Cape**Kathu, Kathu Dierekliniek**

Beef: 1

Kimberley, Kimberley Dierekliniek

Sheep: 2

Unable yet to culture a specific pathogen

Abscesses in general									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.5 (2)	1.0 (1)		3.0 (2)	2.5 (4)	2.0 (2)		2.3 (4)	2.0 (1)
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef	2.0 (1)			3.0 (1)	2.5 (2)	2.0 (2)		2.0 (1)	

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

Mpumalanga

Ermelo, Mõoregloed Veterinêre Spreekkamer

Beef: 2, Sheep: 3

Gauteng

Bapsfontein, Bapsfontein Dierehospitaal

Sheep: 1

North West

Christiana, Christiana Dierehospitaal

Beef: 3, Sheep: 3

Free State

Frankfort, Frankfort Dierekliniek

Beef: 2, Sheep: 2

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2

Ticks

Western Cape

Caledon, Overberg Veterinary Hospital

Dairy: 2

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 3, Sheep: 2

Northern Cape

Postmasburg, Postmasburg Dierekliniek

Sheep: 2

Bladder stones [^](#)

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)			

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)			
Goat			1.0 (1)		1.0 (1)				

Limpopo

Modimolle, Kranskop Dierekliniek

Goat: 1

Boer goat ram

Free State

Philippolis, Rowelsfontein veearts Spreekkamer

Goat: 1

Reitz, Riemland Dierehospitaal

Beef: 1

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

Sheep: 1

Blindness

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average		1.5 (2)			3.0 (2)			2.2 (6)	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)			3.0 (1)			2.0 (1)	
Dairy								2.3 (3)	
Sheep					3.0 (1)			2.0 (2)	2.0 (1)
Goat		2.0 (1)							2.0 (1)

Gauteng**Hammanskraal, Themba Animal Clinic**

Beef: 1, Goat: 2

Free State**Hoopstad, Hoopstad Dierekliniek**

Beef: 3, Sheep: 3

Western Cape**Caledon, Overberg Veterinary Hospital**

Sheep: 2

Heidelberg (WC), Heidelberg Dierekliniek

Dairy: 2, Sheep: 2

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 2

Swellendam, Swellendam Dierehospitaal

Dairy: 3

Northern Cape**Postmasburg, Postmasburg Dierekliniek**

Sheep: 2, Goat: 2

Bloat

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

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

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

Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 2, Goat: 1

Free State

Clocolan, Clocolan Dierekliniek

Beef: 1

Ladybrand, Ladybrand Dierekliniek

Beef: 2

Kwazulu-Natal

Estcourt, Estcourt Vet Clinic

Beef: 1

Eastern Cape

Graaff-Reinet, Camdeboo Veterinary Clinic

Goat: 1

Somerset East, Bosberg Veterinary Clinic

Dairy: 2

Western Cape

Caledon, Overberg Veterinary Hospital

Beef: 2

Malmesbury, Invitrotech

Dairy: 2

3 cases

Malmesbury, Malmesbury Dierehospitaal

Dairy: 3

Riversdale, Riversdal Dierekliniek

Beef: 1

Blood gut (sheep and goat)

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

Bronkhorstspuit, Kerkstraat Dierekliniek

Goat: 1

Blue udder

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

Sheep	2.0 (1)	1.5 (2)		1.3 (6)		2.0 (3)
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Mpumalanga

Ermelo, Mōoregloed Veterinêre Spreekkamer

Sheep: 2

Gauteng

Bapsfontein, Bapsfontein Dierehospitaal

Sheep: 1

Pretoria, Anima Veterinary Consulting Rooms

Sheep: 2

Free State

Frankfort, Frankfort Dierekliniek

Sheep: 2

Hoopstad, Hoopstad Dierekliniek

Sheep: 1

Kroonstad, Kroonstad Dierehospitaal

Sheep: 1

Ladybrand, Ladybrand Dierekliniek

Sheep: 2

Reitz, Riemland Dierehospitaal

Sheep: 1

Wesselsbron, Wesselsbron Dierekliniek

Sheep: 1

Western Cape

Caledon, Overberg Veterinary Hospital

Sheep: 3

George, George Animal Hospital

Sheep: 1

Heidelberg (WC), Heidelberg Dierekliniek

Sheep: 2

Diarrhoea

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.8 (6)	1.6 (5)		2.0 (6)	2.3 (11)	2.1 (7)	3.0 (1)	1.9 (8)	

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

Beef	1.7 (3)	2.0 (3)		2.0 (3)	2.1 (7)	2.3 (4)	3.0 (1)	2.0 (2)	
Dairy					2.0 (1)	2.0 (1)		2.0 (2)	

Sheep	2.5 (2)	1.0 (1)	2.0 (3)	2.7 (3)	2.0 (1)	2.0 (2)
Goat	1.0 (1)	1.0 (1)			2.0 (1)	1.5 (2)

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1

Grootvlei, Grootvlei Dierekliniek

Beef: 2

Lydenburg, Longtom Dierekliniek

Beef: 2, Sheep: 3, Goat: 1

Lydenburg, Lydenburg Dieresprekkamer

Sheep: 2

Gauteng

Bapsfontein, Bapsfontein Dierehospitaal

Beef: 2, Sheep: 1

Hammanskraal, Themba Animal Clinic

Beef: 2, Goat: 1

Pretoria, Anima Veterinary Consulting Rooms

Beef: 2

North West

Christiana, Christiana Dierehospitaal

Beef: 3, Sheep: 3

Klerksdorp, Buffeldoorn Dierehospitaal

Beef: 2, Sheep: 2

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 1, Sheep: 1

Free State

Clocolan, Clocolan Dierekliniek

Beef: 2, Dairy: 2

Ficksburg, Oosvrystaat Diere Produkte

Beef: 1

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 2, Sheep: 2

Memel, Memel Veterinary Clinic

Beef: 2

Reitz, Riemland Dierehospitaal

Beef: 2

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 3, Sheep: 3

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Estcourt, Estcourt Vet Clinic

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

Mooi River, Mooirivier Vet Clinic

Beef: 2

Pietermaritzburg, Veterinary House Hospital

Beef: 3

Eastern Cape

Humansdorp, Humansdorp Veterinary Clinic

Beef: 3

Western Cape

Malmesbury, Groenkloof Dierekliniek

Beef: 2

Diarrhoea in calves (*Giardia* and *Campylobacter* seen under the microscope)**Malmesbury, Invitrotech**

Dairy: 1

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 3, Sheep: 2

Oudtshoorn, Ostrimed

Sheep: 2, Goat: 2

Stellenbosch, Stellenbosch Animal Hospital

Goat: 1

Epididymitis

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**Bapsfontein, Bapsfontein Dierehospitaal**

Sheep: 1

Western Cape**Caledon, Overberg Veterinary Hospital**

Sheep: 2

Eye Cancer

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)	1.0 (2)			1.7 (3)	1.0 (1)	1.7 (3)	1.6 (7)	

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

Beef	1.0 (1)	1.0 (2)			2.0 (1)	1.0 (1)	2.0 (1)	1.5 (2)	
Dairy					1.5 (2)		1.5 (2)	1.6 (5)	

Mpumalanga**Grootvlei, Grootvlei Dierekliniek**

Beef: 1

Gauteng**Bronkhorstspuit, Kerkstraat Dierekliniek**

Beef: 1

Hammanskraal, Themba Animal Clinic

Beef: 1

Free State

Frankfort, Frankfort Dierekliniek

Beef: 2

Kroonstad, Kroonstad Dierehospitaal

Dairy: 2

Ladybrand, Ladybrand Dierekliniek

Dairy: 1

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

Beef: 1

Eastern Cape**Alexandria, Alexandria Platteland Spreekkamer**

Dairy: 2

Humansdorp, Humansdorp Veterinary Clinic

Beef: 2

Somerset East, Bosberg Veterinary Clinic

Dairy: 1

Western Cape**Caledon, Overberg Veterinary Hospital**

Dairy: 2

Malmesbury, Dr Otto Kriek

Dairy: 1

Squamous cell carcinoma of nictitating membrane.

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 2

Riversdale, Riversdal Dierekliniek

Dairy: 1

Stellenbosch, Stellenbosch Animal Hospital

Beef: 1

Swellendam, Swellendam Dierehospitaal

Dairy: 2

Eye infections

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.7 (9)	2.0 (6)	1.0 (1)	2.7 (9)	2.3 (17)	2.2 (9)	2.3 (3)	2.2 (11)	3.0 (1)

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

Beef	1.5 (6)	2.0 (3)	1.0 (1)	2.7 (6)	2.3 (9)	2.2 (5)	2.0 (1)	2.0 (5)	3.0 (1)
Dairy					2.5 (2)		2.5 (2)	2.3 (4)	
Sheep	2.0 (3)	2.0 (3)		2.7 (3)	2.2 (6)	3.0 (1)		2.5 (2)	
Goat						2.0 (3)			

Mpumalanga**Balfour, Balfour Dierekliniek**

Beef: 1, Sheep: 1

Ermelo, Moregloed Veterinere Spreekkamer

Beef: 1, Sheep: 3

Grootvlei, Grootvlei Dierekliniek

Beef: 2

Lydenburg, Lydenburg Diersprekkamer

Beef: 1

Standerton, Econovet

Beef: 2, Sheep: 2

Volksrust, Cape Cross Volksrust Dierehospitaal

Beef: 2

Gauteng

Bapsfontein, Bapsfontein Dierehospitaal

Beef: 2, Sheep: 2

Pretoria, Anima Veterinary Consulting Rooms

Beef: 2, Sheep: 2

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 2, Sheep: 2

Limpopo

Bela Bela, Artemis Veterinary Services

Beef: 1

North West

Christiana, Christiana Dierehospitaal

Beef: 3, Sheep: 3

Klerksdorp, Buffeldoorn Dierehospitaal

Beef: 3

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 2, Sheep: 2

Lichtenburg, Dr CM Kruger-Rall

Beef: 2

Stella, Stella Dierekliniek

Beef: 3, Sheep: 3

Ventersdorp, Ventersdorp Dierekliniek

Beef: 3

Free State

Bultfontein, Greylingrust Diersprekkamer

Dairy: 3

Clocolan, Clocolan Dierekliniek

Beef: 2

Dewetsdorp, Platkop Dierekliniek

Beef: 2, Sheep: 2

Harrismith, Harrismith Dierehospitaal

Beef: 2, Sheep: 2

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 3, Sheep: 3

Ladybrand, Ladybrand Dierekliniek

Beef: 2

Reitz, Riemland Dierehospitaal

Beef: 2, Dairy: 2, Sheep: 2

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 3

Wesselsbron, Wesselsbron Dierekliniek

Beef: 2, Sheep: 1

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Estcourt, Estcourt Vet Clinic

Goat: 1

Mooi River, Mooirivier Vet Clinic

Beef: 1

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2, Goat: 2

Pietermaritzburg, Veterinary House Hospital

Beef: 3

Vryheid, Vryheid Privaat Veeartse

Beef: 3, Sheep: 3, Goat: 3

Eastern Cape

Alexandria, Alexandria Platteland Spreekkamer

Dairy: 2

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Beef: 2

Somerset East, Bosberg Veterinary Clinic

Dairy: 3

Western Cape

Caledon, Overberg Veterinary Hospital

Sheep: 2

Darling, Tygerberg Dierehospitaal Darling

Sheep: 3

Malmesbury, Dr Otto Kriek

Dairy: 2

Malmesbury, Invitrotech

Dairy: 1

Malmesbury, Malmesbury Dierehospitaal

Beef: 3, Dairy: 3

Oudtshoorn, Ostrimed

Beef: 1

Piketberg, Piketberg Dierehospitaal

Beef: 2

Weaned beef calves

Plettenberg Bay, Plettenberg Bay A Reitz

Beef: 2

Six calves

Stellenbosch, Stellenbosch Animal Hospital

Beef: 2

Swellendam, Swellendam Dierehospitaal

Dairy: 3

Northern Cape

Kimberley, Kimberley Dierkliniek

Beef: 3

Joint Ill									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.3 (3)	1.0 (1)		2.2 (5)	1.0 (1)	1.5 (4)	1.3 (4)	1.8 (5)	2.0 (3)

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

Beef	1.3 (3)	1.0 (1)		2.0 (3)	1.0 (1)	2.0 (2)	1.0 (1)	2.0 (1)	
Dairy								2.0 (3)	
Sheep				2.5 (2)		1.0 (1)	1.5 (2)	1.0 (1)	2.0 (2)
Goat						1.0 (1)	1.0 (1)		2.0 (1)

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 2

Lydenburg, Lydenburg Dieresprekkamer

Beef: 1

Volksrust, Cape Cross Volksrust Dierehospitaal

Beef: 1

Gauteng

Bapsfontein, Bapsfontein Dierehospitaal

Beef: 1

North West

Christiana, Christiana Dierehospitaal

Beef: 3, Sheep: 3

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 2, Sheep: 2

Ventersdorp, Ventersdorp Dierekliniek

Beef: 1

Free State

Kroonstad, Kroonstad Dierehospitaal

Beef: 1

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Camperdown, Camperdown Vet Clinic

Beef: 2, Sheep: 1

Pongola, Pongola Animal Clinic

Goat: 1

Eastern Cape

Cofimvaba, State Vet Cofimvaba

Goat: 1

Graaff-Reinet, Camdeboo Veterinary Clinic

Sheep: 1

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Sheep: 2

Humansdorp, Humansdorp Veterinary Clinic

Beef: 1

Western Cape

Darling, Tygerberg Dierehospitaal Darling

Dairy: 2

George, George Animal Hospital

Dairy: 2

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 2

Oudtshoorn, Ostrimed

Sheep: 1

Northern Cape

Calvinia, Calvinia Veeartskliniek

Sheep: 2

Postmasburg, Postmasburg Dierekliniek

Sheep: 2, Goat: 2

Lameness/Foot Problems

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.8 (6)	2.1 (7)		2.0 (2)	2.3 (10)	1.5 (10)	1.6 (5)	2.3 (8)	

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

Beef	1.8 (6)	2.0 (4)		2.0 (2)	2.0 (4)	1.6 (5)		2.0 (2)	
Dairy					2.5 (2)		2.0 (2)	2.4 (5)	
Sheep		2.0 (2)			2.5 (4)	1.5 (2)	1.3 (3)	2.0 (1)	
Goat		3.0 (1)				1.3 (3)			

Mpumalanga**Balfour, Balfour Dierekliniek**

Beef: 2

Ermelo, Mōregloed Veterinêre Spreekkamer

Beef: 1

Grootvlei, Grootvlei Dierekliniek

Beef: 2

Lydenburg, Longtom Dierekliniek

Beef: 3

Piet Retief, Pets Vet Hospital

Beef: 2

Volksrust, Cape Cross Volksrust Dierehospitaal

Beef: 1

Gauteng**Bapsfontein, Bapsfontein Dierehospitaal**

Beef: 2, Sheep: 2

Hammanskraal, Themba Animal Clinic

Beef: 3, Goat: 3

Pretoria, Anima Veterinary Consulting Rooms

Beef: 1

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 2

Four cases

Sheep: 2

Thee cases

North West**Christiana, Christiana Dierehospitaal**

Beef: 3

Rustenburg, Bergbos Dierekliniek

Beef: 1

Free State

Bloemfontein, Dr Stephan Wessels

Beef: 1

Clocolan, Clocolan Dierekliniek

Beef: 2

Frankfort, Frankfort Dierekliniek

Beef: 2, Sheep: 3

Harrismith, Harrismith Dierehospitaal

Sheep: 1

Kroonstad, Kroonstad Dierehospitaal

Dairy: 3, Sheep: 3

Reitz, Riemland Dierehospitaal

Dairy: 2

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 3, Sheep: 3

Kwazulu-Natal

Estcourt, Estcourt Vet Clinic

Beef: 1, Sheep: 1, Goat: 1

Mooi River, Mooirivier Vet Clinic

Beef: 2, Sheep: 2

Mtubatuba, Mtubatuba Animal Clinic

Beef: 1, Goat: 2

Pongola, Pongola Animal Clinic

Beef: 1, Goat: 1

Underberg, Underberg Veterinary Surgery

Beef: 3

Very wet conditions

Eastern Cape

Alexandria, Alexandria Platteland Spreekkamer

Dairy: 3

Cofimvaba, State Vet Cofimvaba

Sheep: 1

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Sheep: 2

Somerset East, Bosberg Veterinary Clinic

Dairy: 1

Uitenhage, Uitenhage Dierehospitaal

Sheep: 1

Western Cape

Darling, Tygerberg Dierehospitaal Darling

Dairy: 2

George, George Animal Hospital

Dairy: 3

Malmesbury, Dr Otto Kriek

Dairy: 1

Malmesbury, Groenkloof Dierekliniek

Beef: 2

Malmesbury, Invitrotech

Dairy: 3

23 cases

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 3, Sheep: 2

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.4 (5)	1.7 (3)	2.0 (1)	2.5 (8)	2.0 (10)	1.8 (4)	1.7 (3)	1.9 (10)	2.5 (2)

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

Beef	1.3 (4)		2.0 (1)	2.4 (5)	1.9 (8)	1.8 (4)		2.0 (1)	
Dairy					2.0 (1)		2.0 (2)	1.8 (4)	
Sheep	2.0 (1)	2.0 (2)		2.7 (3)	3.0 (1)			2.0 (4)	2.5 (2)
Goat		1.0 (1)					1.0 (1)	2.0 (1)	

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 2

Ermelo, Mōregloed Veterinêre Spreekkamer

Beef: 1, Sheep: 2

Grootvlei, Grootvlei Dierekliniek

Beef: 1

Volksrust, Cape Cross Volksrust Dierehospitaal

Beef: 1

Gauteng

Bapsfontein, Bapsfontein Dierehospitaal

Sheep: 2

Hammanskraal, Themba Animal Clinic

Goat: 1

Pretoria, Anima Veterinary Consulting Rooms

Sheep: 2

Limpopo

Tzaneen, ZZ2 Farm Practice

Beef: 2

North West

Christiana, Christiana Dierehospitaal

Beef: 3, Sheep: 3

Klerksdorp, Buffeldoorn Dierehospitaal

Beef: 3, Sheep: 3

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 2, Sheep: 2

Potchefstroom, Morvet

Beef: 3

Feedlots

Rustenburg, Bergbos Dierekliniek

Beef: 1

Free State

Bultfontein, Greylingrust Diersprekkamer

Beef: 2

Four calves

Clocolan, Clocolan Dierekliniek

Beef: 2, Dairy: 2

Ficksburg, Oosvrystaat Diere Produkte

Beef: 1

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 2

Ladybrand, Ladybrand Dierekliniek

Beef: 2

Reitz, Riemland Dierehospitaal

Beef: 1

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 2

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

Beef: 2

Camperdown, Camperdown Vet Clinic

Beef: 1

Estcourt, Estcourt Vet Clinic

Beef: 2

Mooi River, Mooirivier Vet Clinic

Beef: 2

Eastern Cape**Alexandria, Alexandria Platteland Spreekkamer**

Dairy: 2

Graaff-Reinet, Camdeboo Veterinary Clinic

Goat: 1

Somerset East, Bosberg Veterinary Clinic

Dairy: 2

Western Cape**Caledon, Overberg Veterinary Hospital**

Sheep: 2

Darling, Tygerberg Dierehospitaal Darling

Dairy: 2

Heidelberg (WC), Heidelberg Dierekliniek

Sheep: 2

Malmesbury, Invitrotech

Dairy: 1

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 3, Sheep: 2

Oudtshoorn, Ostrimed

Goat: 2

Stellenbosch, Stellenbosch Animal Hospital

Dairy: 1

Worcester, Durban Straat Dierekliniek Worcester

Sheep: 2

Northern Cape**Calvinia, Calvinia Veeartskliniek**

Sheep: 3

Upington, Upington Veeartsenykliniek

Sheep: 2

Mastitis in general

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

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1

Gauteng

Bapsfontein, Bapsfontein Dierehospitaal

Beef: 2

Hammanskraal, Themba Animal Clinic

Dairy: 2

North West

Christiana, Christiana Dierehospitaal

Beef: 3, Sheep: 3

Free State

Bloemfontein, Dr Stephan Wessels

Beef: 3

Clocolan, Clocolan Dierekliniek

Dairy: 1

Frankfort, Frankfort Dierekliniek

Beef: 2, Sheep: 2

Parys, Parys Dierehospitaal

Beef: 2

Kwazulu-Natal

Mooi River, Mooirivier Vet Clinic

Beef: 3

Pongola, Pongola Animal Clinic

Beef: 2

Western Cape

Caledon, Overberg Veterinary Hospital

Sheep: 3

Darling, Tygerberg Dierehospitaal Darling

Dairy: 2

George, George Animal Hospital

Dairy: 3

Malmesbury, Dr Otto Kriek

Dairy: 1

Malmesbury, Invitrotech

Dairy: 3

29 new cases

Malmesbury, Malmesbury Dierehospitaal

Dairy: 3

Oudtshoorn, Ostrimed

Beef: 3

Riversdale, Riversdal Dierekliniek

Dairy: 1

Swellendam, Swellendam Dierehospitaal

Dairy: 3

Navel Ill

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

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

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

Mpumalanga**Balfour, Balfour Dierekliniek**

Beef: 1

Gauteng**Bapsfontein, Bapsfontein Dierehospitaal**

Beef: 2

Bronkhorstspuit, Kerkstraat Dierekliniek

Beef: 1

Free State**Clocolan, Clocolan Dierekliniek**

Dairy: 2

Western Cape**Malmesbury, Malmesbury Dierehospitaal**

Dairy: 2

Stellenbosch, Stellenbosch Animal Hospital

Dairy: 1

Trauma

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

Mpumalanga**Volksrust, Cape Cross Volksrust Dierehospitaal**

Beef: 1

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

Goat: 1

Fractured leg

Eastern Cape

Alexandria, Alexandria Platteland Spreekkamer

Beef: 2

Cofimvaba, State Vet Cofimvaba

Beef: 2

Laceration and fracture cases

Western Cape

Malmesbury, Dr Otto Kriek

Dairy: 1

Malmesbury, Invitrotech

Dairy: 3

38 cases slipping on cement

Downer									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (2)	1.5 (2)			1.7 (3)	1.0 (1)	2.0 (1)	1.8 (4)	3.0 (2)

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

Beef	1.0 (2)	1.5 (2)			1.5 (2)	1.0 (1)		1.0 (1)	3.0 (2)
Dairy					2.0 (1)		2.0 (1)	2.0 (3)	

Mpumalanga

Lydenburg, Longtom Dierekliniek

Beef: 1

Volkstrust, Cape Cross Volkstrust Dierehospitaal

Beef: 1

Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 2

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 1

Free State

Clocolan, Clocolan Dierekliniek

Beef: 1

Kroonstad, Kroonstad Dierehospitaal

Beef: 2, Dairy: 2

Kwazulu-Natal

Camperdown, Camperdown Vet Clinic

Beef: 1

Transport tetany

Eastern Cape

Alexandria, Alexandria Platteland Spreekkamer

Dairy: 2

Western Cape

Caledon, Overberg Veterinary Hospital

Dairy: 2

Malmesbury, Invitrotech

Dairy: 3

21 cases

Riversdale, Riversdal Direkliniek

Beef: 1, Dairy: 1

Northern Cape

Kuruman, State Vet Kuruman

Beef: 3

Due to drought, weak animals, lack of food- disaster in communal areas

Postmasburg, Postmasburg Direkliniek

Beef: 3

Traumatic Reticulo-pericarditis

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

Balfour, Balfour Direkliniek

Beef: 1

Free State

Bultfontein, Greylingrust Dieresprekkamer

Beef: 1

Eastern Cape

Somerset East, Bosberg Veterinary Clinic

Dairy: 1

Western Cape

Darling, Tygerberg Dierehospitaal Darling

Beef: 1

Northern Cape

Kathu, Kathu Direkliniek

Beef: 1

Other

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

Dairy								1.0 (1)	
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Sheep 1.0 (1)

Western Cape

Malmesbury, Invitrotech

Dairy: 1

Peritonitis

Northern Cape

Kimberley, Kimberley Dierekliniek

Sheep: 1

Hernia

Vestibular syndrome (Middle ear infection)

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

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

Beef 1.0 (1)

Sheep 1.0 (1)

Mpumalanga

Lydenburg, Longtom Dierekliniek

Beef: 1, Sheep: 1

Metabolic Diseases

Acidosis

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 (5) 1.7 (3) 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 2.0 (1) 2.3 (3)

Dairy 1.5 (2) 3.0 (1)

Sheep 1.0 (1) 2.0 (4) 2.0 (1) 2.0 (2)

Gauteng

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Sheep: 1

Free State

Frankfort, Frankfort Dierekliniek

Sheep: 3

Harrismith, Harrismith Dierehospitaal

Sheep: 1

Kroonstad, Kroonstad Dierehospitaal

Sheep: 2

Ladybrand, Ladybrand Dierekliniek

Beef: 2

Memel, Memel Veterinary Clinic

Sheep: 2

Kwazulu-Natal

Camperdown, Camperdown Vet Clinic

Dairy: 1

Rumen stasis

Sheep: 2

Dundee, Endumeni Herd health

Dairy: 2

Western Cape

Beaufort West, Beaufort West State Vet

Sheep: 2

Laminitis seen in sheep been fed

Caledon, Overberg Veterinary Hospital

Beef: 3

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 3, Sheep: 2

Worcester, Durban Straat Dierekliniek Worcester

Beef: 2

Displaced abomasum

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

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

Dairy						3.0 (1)	1.0 (1)	1.3 (3)	
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Kwazulu-Natal

Dundee, Endumeni Herd health

Dairy: 3

Eastern Cape

Somerset East, Bosberg Veterinary Clinic

Dairy: 1

Western Cape

Malmesbury, Invitrotech

Dairy: 1

Malmesbury, Malmesbury Dierehospitaal

Dairy: 2

Riversdale, Riversdal Dierekliniek

Dairy: 1

Ketosis

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

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

Sheep 2.0 (4)

Western Cape

Beaufort West, Beaufort Dierekliniek

Sheep: 2

Caledon, Overberg Veterinary Hospital

Sheep: 2

Heidelberg (WC), Heidelberg Dierekliniek

Sheep: 2

Moorreesburg, Tygerberg mooreesburg

Sheep: 2

Domsiekte

Milk Fever

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

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

Mpumalanga

Nelspruit, Nelspruit Animal Hospital

Goat: 2

North West

Rustenburg, Bergbos Dierekliniek

Dairy: 1

Free State

Harrismith, Harrismith Dierehospitaal

Sheep: 2

Philippolis, Rowelsfontein veearts Spreekkamer

Sheep: 2

Reitz, Riemland Dierehospitaal

Dairy: 1

Kwazulu-Natal

Camperdown, Camperdown Vet Clinic

Dairy: 1

Western Cape

George, George Animal Hospital

Dairy: 2

Malmesbury, Malmesbury Dierehospitaal

Dairy: 2

Reproductive diseases

Dystocia (Difficult Births)

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.7 (9)	1.3 (4)	1.0 (1)	2.8 (4)	2.0 (16)	1.9 (8)	1.5 (2)	1.6 (10)	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	1.7 (7)	1.0 (2)	1.0 (1)	2.7 (3)	2.0 (12)	2.2 (5)	1.0 (1)	1.3 (3)	2.0 (1)
Dairy					1.5 (2)	1.3 (3)	2.0 (1)	1.7 (6)	
Sheep	1.5 (2)	1.0 (1)		3.0 (1)	2.5 (2)			2.0 (1)	
Goat		2.0 (1)							

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 2, Sheep: 2

Bethal, Bethal Dierekliniek

Beef: 1

Ermelo, Mōregloed Veterinêre Spreekkamer

Beef: 2

Grootvlei, Grootvlei Dierekliniek

Beef: 2, Sheep: 1

Lydenburg, Longtom Dierekliniek

Beef: 1

Lydenburg, Lydenburg Dieresprekkamer

Beef: 2

Volksrust, Cape Cross Volksrust Dierehospitaal

Beef: 2

Gauteng

Bapsfontein, Bapsfontein Dierehospitaal

Sheep: 1

Hammanskraal, Themba Animal Clinic

Goat: 2

Pretoria, Anima Veterinary Consulting Rooms

Beef: 1

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 1

Limpopo

Modimolle, Kranskop Dierekliniek

Beef: 1

North West

Christiana, Christiana Dierehospitaal

Beef: 3, Sheep: 3

Klerksdorp, Buffeldoorn Dierehospitaal

Beef: 2

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 3

Free State**Bloemfontein, Dr Stephan Wessels**

Beef: 1

Clocolan, Clocolan Dierekliniek

Beef: 2

Ficksburg, Oosvrystaat Diere Produkte

Beef: 2

Frankfort, Frankfort Dierekliniek

Beef: 2, Sheep: 2

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

Reitz, Riemland Dierehospitaal

Beef: 2

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 2

Vrede, Saulshoek Dierepraktyk

Beef: 1

Wesselsbron, Wesselsbron Dierekliniek

Dairy: 1

Winburg, Winburg Dierekliniek

Beef: 3

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

Beef: 2

Dundee, Endumeni Herd health

Beef: 2, Dairy: 2

Estcourt, Estcourt Vet Clinic

Dairy: 1

Mooi River, Mooirivier Vet Clinic

Beef: 2

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2

Pietermaritzburg, Veterinary House Hospital

Beef: 3, Dairy: 1

Eastern Cape**Humansdorp, Humansdorp Veterinary Clinic**

Beef: 1

Somerset East, Bosberg Veterinary Clinic

Dairy: 2

Western Cape**Caledon, Overberg Veterinary Hospital**

Dairy: 2

Darling, Tygerberg Dierehospitaal Darling

Beef: 1

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 2

Moorreesburg, Tygerberg mooreesburg

Sheep: 2

Riversdale, Riversdal Dierekliniek

Dairy: 2

Stellenbosch, Stellenbosch Animal Hospital

Beef: 1, Dairy: 1

Swellendam, Swellendam Dierehospitaal

Dairy: 1

Worcester, Durban Straat Dierekliniek Worcester

Dairy: 2

Northern Cape

Postmasburg, Postmasburg Dierekliniek

Beef: 2

Endometritis

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

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

Beef		1.0 (1)				2.0 (1)			
Dairy					2.0 (1)	2.0 (1)	2.0 (1)	2.8 (4)	
Sheep		1.0 (1)							

Gauteng

Bapsfontein, Bapsfontein Dierehospitaal

Beef: 1, Sheep: 1

Free State

Kroonstad, Kroonstad Dierehospitaal

Dairy: 2

Kwazulu-Natal

Dundee, Endumeni Herd health

Beef: 2, Dairy: 2

Eastern Cape

Somerset East, Bosberg Veterinary Clinic

Dairy: 2

Western Cape

Caledon, Caledon Dierekliniek

Dairy: 3

Heidelberg (WC), Heidelberg Dierekliniek

Dairy: 2

Malmesbury, Malmesbury Dierehospitaal

Dairy: 3

Swellendam, Swellendam Dierehospitaal

Dairy: 3

Metritis

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

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1

Limpopo

Bela Bela, Artemis Veterinary Services

Beef: 1

Hugenoot cow with uterus infection. Calf was cut out. Infection treated, cow infected, euthanized 2 days later.

North West

Christiana, Christiana Dierehospitaal

Beef: 3

Free State

Bloemfontein, Dr Stephan Wessels

Beef: 2

Kroonstad, Kroonstad Dierehospitaal

Dairy: 2

Kwazulu-Natal

Mooi River, Mooirivier Vet Clinic

Beef: 2

Eastern Cape

Kareedouw, Tenax Vet Clinic

Dairy: 3

28 Cases

Somerset East, Bosberg Veterinary Clinic

Dairy: 1

Western Cape

Caledon, Caledon Dierekliniek

Dairy: 3

Caledon, Overberg Veterinary Hospital

Dairy: 3

Darling, Tygerberg Dierehospitaal Darling

Dairy: 2

Malmesbury, Dr Otto Kriek

Dairy: 1

Malmesbury, Malmesbury Dierehospitaal

Dairy: 3

Swellendam, Swellendam Dierehospitaal

Dairy: 3

Poor conception



PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
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Average	1.5 (2)	1.0 (1)		2.0 (3)	1.7 (3)	2.0 (4)		2.3 (4)	2.0 (1)
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Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

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

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1

Lydenburg, Longtom Dierekliniek

Beef: 2

Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 1

North West

Christiana, Christiana Dierehospitaal

Beef: 2

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 2, Sheep: 2

Free State

Harrismith, Harrismith Dierehospitaal

Beef: 1

Kroonstad, Kroonstad Dierehospitaal

Dairy: 2

Ladybrand, Ladybrand Dierekliniek

Sheep: 2

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Mooi River, Mooirivier Vet Clinic

Beef: 3

Pietermaritzburg, Veterinary House Hospital

Beef: 2

Underberg, Underberg Veterinary Surgery

Beef: 1

Western Cape

Caledon, Caledon Dierekliniek

Dairy: 3

Malmesbury, Dr Otto Kriek

Dairy: 1

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 3

Northern Cape

Kathu, Kathu Dierekliniek

Beef: 2

Retained afterbirth



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

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1, Goat: 1

Bethal, Bethal Dierekliniek

Sheep: 1

North West

Lichtenburg, Dr CM Kruger-Rall

Beef: 2

Free State

Bloemfontein, Dr Stephan Wessels

Beef: 1

Frankfort, Frankfort Dierekliniek

Beef: 3

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Eastern Cape

Somerset East, Bosberg Veterinary Clinic

Dairy: 3

Western Cape

Darling, Tygerberg Dierehospitaal Darling

Dairy: 2

Malmesbury, Dr Otto Kriek

Dairy: 2

Malmesbury, Malmesbury Dierehospitaal

Dairy: 2

Moorreesburg, Tygerberg mooreesburg

Beef: 1

Sheath Prolaps



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

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

Beef		1.0 (1)		1.5 (2)	1.0 (2)
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Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 1

Free State

Hoopstad, Hoopstad Dierekliniek

Beef: 2

Ladybrand, Ladybrand Dierekliniek

Beef: 1

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 1

Mtubatuba, Mtubatuba Animal Clinic

Beef: 1

Uterus prolaps

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)			1.0 (1)	1.4 (9)	1.0 (1)		2.0 (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)			1.0 (1)	1.6 (5)	1.0 (1)			1.0 (1)
Dairy					1.0 (1)			2.0 (1)	
Sheep					1.3 (3)				1.0 (1)

Mpumalanga

Ermelo, Mōregloed Veterinêre Spreekkamer

Beef: 1

North West

Klerksdorp, Buffeldoorn Dierehospitaal

Beef: 1

Free State

Clocolan, Clocolan Dierekliniek

Beef: 2

Frankfort, Frankfort Dierekliniek

Beef: 2, Sheep: 2

Kroonstad, Kroonstad Dierehospitaal

Beef: 1, Sheep: 1

Ladybrand, Ladybrand Dierekliniek

Beef: 1

Senekal, Senekal Dierekliniek

Dairy: 1

Wesselsbron, Wesselsbron Dierekliniek

Sheep: 1

Winburg, Winburg Dierekliniek

Beef: 2

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

Beef: 1

Western Cape**Malmesbury, Malmesbury Dierehospitaal**

Dairy: 2

Northern Cape**Postmasburg, Postmasburg Dierekliniek**

Beef: 1, Sheep: 1

Vaginal (Cervical) prolaps

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

Mpumalanga**Bethal, Bethal Dierekliniek**

Beef: 1

Ermelo, Mōregloed Veterinêre Spreekkamer

Beef: 2

Grootvlei, Grootvlei Dierekliniek

Sheep: 1

Gauteng**Bronkhorstspuit, Kerkstraat Dierekliniek**

Beef: 1

Hammanskraal, Themba Animal Clinic

Beef: 1

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 1

Free State**Clocolan, Clocolan Dierekliniek**

Beef: 1

Harrismith, Harrismith Dierehospitaal

Beef: 2

Kroonstad, Kroonstad Dierehospitaal

Beef: 2

Memel, Memel Veterinary Clinic

Sheep: 1

Reitz, Riemland Dierehospitaal

Beef: 1

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

Beef: 2

Dundee, Endumeni Herd health

Beef: 1

Pietermaritzburg, Veterinary House Hospital

Beef: 1

Eastern Cape**Cofimvaba, State Vet Cofimvaba**

Sheep: 1

Climatical Cause**Drought**

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

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

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

North West**Stella, Stella Dierekliniek**

Beef: 3

Grazing conditions going to be very scarce in winter. Less than 100mm rain during rainy season. Disaster waiting

Eastern Cape**Alexandria, Alexandria Platteland Spreekkamer**

Beef: 3, Dairy: 3

Witelsbos, Witelsbos Veterinary Consulting Rooms

Beef: 2, Sheep: 2, Goat: 2

Northern Cape**Postmasburg, Postmasburg Dierekliniek**

Beef: 3, Sheep: 3, Goat: 3

Heat stress

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

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

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

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

Beef: 2

Western Cape**Malmesbury, Dr Otto Kriek**

Dairy: 2

Heat stroke. Higher incidence on farms where animals are kept without shade in summer months.

Malmesbury, Malmesbury Dierehospitaal

Beef: 3, Dairy: 3, Sheep: 3

Lightning

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.8 (5)	2.0 (1)		2.0 (2)	2.2 (9)	2.3 (4)			

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

Beef	1.8 (5)	2.0 (1)		2.0 (2)	2.2 (6)	2.3 (4)			
Sheep					2.3 (3)				

Mpumalanga**Bethal, Bethal Dierekliniek**

Beef: 1

Ermelo, Mōregloed Veterinêre Spreekkamer

Beef: 3

Lydenburg, Lydenburg Dieresprekkamer

Beef: 1

Piet Retief, Pets Vet Hospital

Beef: 2

Standerton, Econovet

Beef: 2

Gauteng**Bronkhorstspuit, Kerkstraat Dierekliniek**

Beef: 2

North West**Christiana, Christiana Dierehospitaal**

Beef: 2

Klerksdorp, Buffeldoorn Dierehospitaal

Beef: 2

Free State**Dewetsdorp, Platkop Dierekliniek**

Beef: 2, Sheep: 2

Frankfort, Frankfort Dierekliniek

Beef: 2

Memel, Memel Veterinary Clinic

Beef: 2, Sheep: 2

Vrede, Saulshoek Dierepraktyk

Beef: 3

Vrede, Vrede Dierehospitaal

Beef: 2

More than 5, individual cases

Sheep: 3

More than 13 sheep

Wesselsbron, Wesselsbron Dierekliniek

Beef: 2

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Dundee, Endumeni Herd health

Beef: 2

Mooi River, Mooirivier Vet Clinic

Beef: 3

Newcastle, Ncanduvet Newcastle

Beef: 2

Residues

Drug residues

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

Beef 2.0 (1)

Dairy 3.0 (1)

Western Cape

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 3

Non specific diseases

Preditors

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

Goat 1.0 (1) 2.0 (1)

Mpumalanga

Bethal, Bethal Dierekliniek

Goat: 1

Lydenburg, Longtom Dierekliniek

Sheep: 1

Gauteng

Hammanskraal, Themba Animal Clinic

Goat: 2

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 1

Dog bite wounds

Sheep: 1

Dog bite wounds

Free State

Philippolis, Rowelsfontein veearts Spreekkamer

Sheep: 3

Sabotage - Theft

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

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

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

Free State

Clocolan, Clocolan Dierekliniek

Beef: 3, Sheep: 3

Winburg, Winburg Dierekliniek

Beef: 2

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Trauma

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (2)	2.7 (3)						2.0 (1)	

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

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

Mpumalanga

Bethal, Bethal Dierkliniek

Beef: 1

Lydenburg, Longtom Dierkliniek

Beef: 1

Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 3, Sheep: 2, Goat: 3

Western Cape

Malmesbury, Groenkloof Dierkliniek

Dairy: 2
