

Monthly report on livestock disease trends as informally reported by veterinarians belonging to the Ruminant Veterinary Association of South Africa (RuVASA), a group of the South African Veterinary Association

March 2020

(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 (143) submitted reports during February2020:

Mpumalanga (12)

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

Gauteng (11)

Bapsfontein – Drs. Olivier, Engelbrecht and Nagel
Bronkhorstspruit – Dr. De Bruin, De Bruin and Labuschagne
Hammanskraal – Dr. Hentie Engelbrecht
Krugersdorp – Dr. Danie Odendaal
Magaliesburg – dr. Ryan Jeffery
Muldersdrift – Drs. Speedy and Enslin
Nigel – Dr. Cindy van der Westhuizen

Onderste poort Veterinary Academic Hospital – Prof. Holm, and Drs. Fitte, Grobler, Hentzen, Koeppel, Leask, Magadu, Magagula, Marufu, Mokoele, O'Dell, Tagwirreyi, Tshuma, Van den Hurk and Van der Leek

Pretoria – Dr. Hanneke Pienaar

Rayton -Dr. Frans Malan

Vanderbijlpark – Dr. Kobus Kok

Limpopo (5)

Bela-Bela (Warmbaths) – Dr. Nele Sabbe

Mokopane (Potgietersrus)- Dr. Henk Visser

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

Tzaneen – Dr. Danie Odendaal

Vaalwater – Dr. Hampie van Staden

North West (15)

Beestekraal – Dr. Alwyn Venter

Bloemhof – Dr. Cizelle Naudé

Brits – Dr. Boshoff and Coertze

Brits – Dr. Gerhardus Scheepers

Christiana – Dr. Pieter Nel

Klerksdorp/Coligny/Fochville/Hartebeesfontein/Ottosdal/Potchefstroom – Drs. Van den Berg,

Van den Berg, Geral and Greyling

Leeudoringstad – Dr. Ian Jonker

Lichtenburg – Dr. Nelmarie-Krüger-Rall

Ottosdal – Sharnelle Ferreira

Potchefstroom – Dr. Martin Ferreira

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

Stella - Dr. Magdaleen Vosser

Ventersdorp/ Koster –Drs. Benadé and Van der Merwe

Vryburg – Dr. Jurie Kritzinger

Vryburg – Drs. De Jager and Rautenbach

Free State (30)

Bethlehem – Drs. Strydom and Strydom

Bethlehem – Dr. J.C. du Plessis

Bloemfontein – Dr. Stephan Wessels

Bloemfontein – Dr. Lizanne Meiring

Bothaville – Dr. Gerrie Kemp

Bultfontein – Dr. Santjie Pieterse

Clocolan – Drs. Wasserman

Dewetsdorp – Dr. Marike Badenhorst

Excelsior/Ladybrand – Dr. Dedré Nel
Ficksburg – Dr. Woody Kotzé
Frankfort – Drs. Lesssing, Cilliers and Janse van Rensburg
Gariep Dam – Dr. Marni Malan
Harrismith – Dr. Slabber en 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 van Niekerk
Reitz – Dr. Murray Smith
Senekal – Dr. Jan Blignaut
Senekal – Dr. Theo Kotze
Smithfield – Dr. Nienke van Hasselt
Viljoenskroon – Dr. Johan Kahts
Villiers – Dr. D'Wall Hauptfleish
Vrede – Drs. Bester-Cloete, Myburgh and Roos
Vrede – Dr. Rudolph Fourie
Warden – Dr. Paul Reynolds
Wesselsbron – Dr. Johan Jacobs
Winburg – Drs. Albertyn and Albertyn
Zastron – Drs. Troskie and Strauss

KwaZulu-Natal (15)

Bergville – Dr. Jubie Muller
Bergville – Dr. Ariena Shepherd
Camperdown – Dr. Anthony van Tonder
Dundee – Drs. Marais and Fynn
Eshowe – Drs. Pryke and Hoffman
Estcourt – Drs. Turner, Tedder, Taylor, Tratschler, Van Rooyen and Alwar
Howick – Drs. Hughes, Lund, Gordon, Allison and Taylor
Kokstad – Drs. Clowes, Shrvies and Lees
Mooi River – Drs. Edmunds, Fowler and Still
Mtubatuba – Dr. Trevor Viljoen
Newcastle – Dr. Barry Rafferty
Pietermaritzburg – Dr. Philip Kretzmann
Pongola – Dr. Heinz Kohrs
Underberg - Drs. King, Delaney and Huysamen
Vryheid – Drs. Theron and Theron

Eastern Cape (17)

Adelaide – Dr. Steve Cockroft

Alexandria – Dr. Charlene Boy
Alexandria – Dr. Johan Olivier
Aliwal North – Drs. Troskie and Strauss
Bathurst – Dr. Jane Pistorius
Cradock – Dr. Frans Erasmus
Elliot – Drs. Clowes, Shrives and Lees
Graaff- Reinet - Dr. Roland Larson
Grahamstown – Drs. Dreyer and Mendes
Humansdorp – Drs. Van Niekerk, Jansen van Vuuren and Davis
Jeffreys Bay – Drs. Lategan and Hoek
Queenstown – Drs. Du Preez, Klopper, De Klerk, Catherine en Wentzel
Somerset East – Drs. Farrel, Louw and Ross
Steynsburg – Dr. Johan van Rooyen
Stutterheim – Dr Dave Watermann
Uitenhage – Drs. Mulder and Krüger
Witelsbos – Dr. Elmien Kotze

Western Cape (20)

Beaufort West - Dr. Jaco Pienaar
Beaufort West – Dr. Bennie Grobler
Caledon – Drs. Louw and Viljoen
Ceres – Drs. Pieterse, Wium, De Villiers and Scheepers
Darling – Drs. Van der Merwe, Adam, Jenkins and Lord
George – Drs. Strydom, Truter and Pettifer
Heidelberg – Dr. Albert van Zyl
Malmesbury – Dr. Otto Kriek
Malmesbury – Dr. Markus Fourie
Malmesbury – Drs. Bosman and Groenewald
Oudtshoorn – Dr. Glen Carlisle
Oudtshoorn – Dr. Adriaan Olivier
Paarl/Wellington – Dr. William van Zyl
Piketberg – Dr. André van der Merwe
Plettenberg Bay – Dr. André
Stellenbosch – Dr. Alfred Kidd
Swellendam – Drs. Malan and Fourie
Tulbagh/Ceres – Drs. Hamman, Wilson and Triegaardt
Vredenburg – Dr. Izak Rust
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. Swart, Smith and Hyslop
Kuruman – Dr. Gerhard van der Westhuizen
Postmasburg – Dr. Boeta van der Merwe
Upington – Drs. Vorster and Visser

Feedlots (1)

Dr. Eben Du Preez

Mastitis consultant (1)

Dr. Theo Kotzé – Moqhaka district (Kroonstad municipality)

Laboratory reports (8)

Dr. Marijke Henton - Vetdiagnostix, Johannesburg

Dr. Rick Last – Vetdiagnostix, Pietermaritzburg

Dr. Liza du Plessis – Idexx SA – Johannesburg

Dr. Emily Mitchell – Wildlife, Faculty of Veterinary Science, University of Pretoria

Dr. Annelie Cloete - Elsenburg

Dr. Sophette Gers – Pathcare, Cape Town

Dr. Mark Chimes – Dairy Standards, George

Amanda McKenzie – Vryburg Veterinary Laboratory

Veterinary activities designated as essential

COVID-19 and veterinary activities designated as essential

OIE/WVA Joint Statement

In the framework of the COVID-19 pandemic, the World Organisation for Animal Health (OIE) and the World Veterinary Association (WVA) jointly draw attention to the roles and responsibilities of the veterinary profession for public health. They highlight the specific veterinary activities which are key to ensure a continuum in food safety, disease prevention and emergency management.

Paris, 18 March 2020 - To effectively tackle the challenges posed by the COVID-19 pandemic, many governments around the world have taken restrictive measures to close non-essential businesses. These decisions raise questions regarding potential adaptations that need to be implemented by the veterinary profession.

In this context, the World Organisation for Animal Health (OIE) and the World Veterinary Association (WVA) advocate for the specific activities of Veterinary Services to be considered as essential businesses.

Maintaining the activities that are crucial to public health

Veterinarians are an integral part of the global health community. Beyond the activities linked to the health and welfare of animals, they have a key role in disease prevention and management, including those transmissible to humans, and to ensure food safety for the populations.

In the current situation, it is crucial that, amongst their numerous activities, they can sustain those necessary to ensure that:

- + national and regional veterinary regulatory and inspection services can oversee the integrity of public health
- + only healthy animals and their by-products enter the food supply to guarantee food safety for the populations,
- + emergency situations can be addressed,
- + preventative measures, such as vaccination against diseases with a significant public health or economic impact, are maintained.
- + priority research activities continue.

Supporting veterinary activities in the current context

When conducting their work, veterinarians have the responsibility to safeguard their health, the health of those they work with, and their clients' health. Hence, they must ensure that appropriate levels of biosecurity are implemented, that their personnel are protected with the necessary equipment, and that animal owners are informed of precautionary measures in place. It is the responsibility of each individual to ensure that appropriate behaviours are respected in the framework of these activities, to avoid further spread of COVID-19.



Covid – 19 and Foot and Mouth Disease (FMD) control

Very important to note that Covid-19 is a human disease and is NOT infectious for animals while Foot and mouth disease is a disease of cloven-hoofed animals and NOT infectious for humans.

Farming and COVID-19: A comparison in control

With the COVID-19 pandemic that is occurring, it is perhaps an opportune time to make a comparison with animal disease.

This article is in no way meant to minimise the suffering and loss that people are experiencing due to the COVID-19 pandemic. The epicentre of the COVID-19 outbreak was in Wuhan, China and it quickly spread to other areas of China and other countries through movement of people.

Covid-19 is a highly contagious disease, so are many animal diseases – think of our recent outbreak of Foot and Mouth (FMD) disease in the north east of the country. Trading partners in neighbouring countries immediately placed a ban on the export of animals, animal products and feed to prevent the disease from entering their country.

In a similar fashion some authorities across the world initially placed a ban on movement of people from highly infected COVID-19 countries as they feared the spread of disease to their country. Unfortunately this did not work as people who were incubating the disease were allowed into the country as “healthy” people.

Again with the spread of FMD, cattle in the incubation period were moved as “healthy”, only to show symptoms a week or two later. Animal health started tracing these animals to try and prevent further spread of the disease, looking for farms or auction houses where the animals were initially kept (trace back), where these animals went to, and if there were possible contacts that may have moved on from the new site (trace forward). Each of those sites were placed under quarantine until screening proved that there was no FMD present and contacts traced. Quarantine was then lifted on those farms.

Exactly the same is occurring with the COVID-19 cases. **Traceability** is so important for tracking disease and is much easier at the beginning of an outbreak rather than later when the number of outbreaks overwhelms the system and contacts are forgotten.

In tracing animal disease, **individual identification** and records of movement are needed, that is why the introduction of the **LITS (Livestock Information and Traceability System)** is so important for disease control. People have ID documents which is an individual identifier, but are not used in human traceability. Cell phones appear to perhaps be a better way of tracking people’s movements but at the cost of their privacy.

With Covid19 it is also important to increase testing of people in general to detect possible hotspots in the country to ensure that treatment and support can be provided in time where it is needed. It is the same in animals. There are ongoing disease surveys to identify problem areas and help with better management of disease and future planning.

Animal health is used to the concepts of disease control that our President has introduced to control COVID-19.

President Ramaphosa has frequently spoken about “flattening the curve” – that is what we also try to do in animal diseases – prevent the spread of disease between animals within a herd, and on a national scale, the number of herds infected with a particular disease. President Ramaphosa also speaks about

“social distancing” between people - the reason why a disease in animals spreads so much faster where there is a high density of animals (eg. dairies, feedlots) as opposed to free range beef ranching. The danger of the spread of FMD was increased due to comingling of animals from more than one source and then moving these animals to more than one destination. Preventing movement of animals were introduced as a control strategy in the recent FMD outbreak. Keeping your distance decreases the probability of getting infected. He also asks that people cough into their flexed elbows to prevent the aerosol spread of COVID-19. Whilst we cannot ask our patients to do this, we can rather look at biosecurity on the farm to prevent mechanical spread of the disease on instruments, equipment, buckets, gumboots, vehicles etc. For control of COVID-19 we are also asked to wash our hands thoroughly and frequently, or disinfect our hands every 20 minutes. Our patients cannot do this, but again through biosecurity the washing and disinfection of instruments, equipment etc. can help prevent spreading the disease.

During **lockdown** “stay at home” for without movement a contagious disease cannot spread – lockdown can be compared to the **quarantining** of animals and farms. Movement of animals or humans that may be asymptomatic, but still carrying the virus, to uninfected farms or communities is recognised as being one of the major means of spreading disease. Taxis are being sprayed down and disinfected to prevent the spread of the Corona virus, this is also true for vehicles carrying animals – they should be washed and disinfected between loads; whether it be between farms, to sales, auctions or abattoirs. People are having their temperatures taken, and if temperatures are raised they are not allowed to board flights or enter shops and are then screened for disease. So too animals have to be **screened** for FMD now before they can be loaded for movement to other farms, auctions or the abattoir. If suspicious animals are found, then further testing occurs. If any animals arriving at a new destination are found to be positive (or suspect) all in contact animals are considered high risk animals and all these animals are placed under quarantine until they are proven to be negative. These actions are performed to try and **decrease the spread of disease**.

One advantage that animal owners have at the moment over humans and the COVID-19, is that many of the animal diseases can be prevented through **vaccination**. The phrase “**why wait, vaccinate**” is true for many animal diseases and will hopefully be a reality once researchers develop a suitable vaccine to control COVID-19. Whether it be a human disease like COVID-19 or an animal disease like Foot and Mouth Disease, an outbreak is devastating for the people it affects and causes heartbreak and serious economic losses for all. **We can only control a disease by working together to stop the spread.**

Contributors:

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April 2020

Boerdery en COVID-19: ‘n vergelyking van beheermaatreëls

Die huidige COVID-19 pandemie bied dalk ‘n geleentheid om ‘n vergelyking te tref met dieresiektes.

Hierdie artikel wil geensins die verlies en swaarkry wat mense weens die pandemie ervaar, onderskat nie. Die episentrum van die epidemie was in Wuhan, China en het deur die beweging van mense vinnig versprei na ander dele van China en ander lande.

COVID-19 is ‘n hoogsaansteeklike siekte net soos baie dieresiektes – dink maar aan die onlangse uitbreek van bek-en klouseer in die noordooste van ons land. Handelsvennote in ons buurlande het onmiddellik ‘n verbod op die uitvoer van diere, dierprodukte en voer geplaas om te verhoed dat die siekte na hul lande versprei. Op soortgelyke wyse het sommige owerhede regoor die wêreld aanvanklik ‘n verbod op die beweging van mense vanaf hoogs geïnfekteerde COVID-19 lande geplaas omdat hulle die verspreiding van die virus na hulle lande gevrees het.

Ongelukkig was dit nie doeltreffend nie aangesien mense by wie die siekte nog in die **inkubasieperiode** was, as “gesonde” mense in die lande toegelaat is. Soos ook met die verspreiding van bek-en- klouseer (B en K) is beeste in hul **inkubasieperiode** vervoer as “gesond” net om ‘n week of twee later siektetekens te wys. Dieregesondheidsamptenare het begin om hierdie diere op te spoor om die verdere verspreiding van die siekte hok te slaan. Die plase en vendusies waar die diere aanvanklik gehou is (“**trace back**”), waarheen die diere geneem is en waar daar moontlike kontakte was, wat van hieraf êrens heen geneem is (“**trace forward**”), is gevind. Elk van hierdie plekke is onder **kwarantyn** geplaas totdat toetsing gewys het dat daar geen bek-en-klouseer meer teenwoordig is nie en alle moontlike kontakte opgespoor is. Dan is die **kwarantyn** van hierdie plase opgehef.

Presies dieselfde gebeur tans met die COVID-19 gevalle. Opsporing is so belangrik om die siekte te volg en is baie makliker aan die begin van die uitbreek as later wanneer die getalle die sisteem oorweldig en kontakte verlore raak. Tydens die navolg van dieresiektes word **individuele identifikasie** en verslag van beweging benodig en daarom is die Lewende Hawe Inligting en Opsporingsisteem (**LITS- Livestock Identification and Traceability System**) so belangrik vir siektebeheer. Mense het identifikasiedokumente waardeur hulle individueel geïdentifiseer kan word, maar dit word nie vir opsoring gebruik nie. Selfone blyk die beter metode te wees om mense op te spoor, maar dit geskied ten koste van hulle privaatheid.

Met COVID-19 is dit ook belangrik om toetsing van mense in die algemeen uit te brei sodat moontlike **brandpunte** in die land vasgestel kan word en seker gemaak kan word dat die nodige behandeling en ondersteuning betyds, waar dit nodig is, verskaf word. Dieselfde geld ook vir dieresiektes. Daar word voortdurend opnames gemaak om **probleemareas** te identifiseer en om behulpsaam te wees met beter **siektebestuur** en **toekomsbeplanning**. Die Departement Dieregesondheid is gewoond aan die praktyk van siektebeheer wat ons President ingestel het om COVID-19 te beheer.

President Ramaphosa praat dikwels van die **afplat van die kurwe**. Dit is wat ons ook by dieresiektes probeer doen. Ons **voorkom die verspreiding** van siektes tussen diere in een kudde en ook die getal kuddes wat besmet raak met 'n spesifieke siekte op nasionale vlak. President Ramaphosa verwys ook na sosiale **afstand** tussen mense – dit is die rede waarom siektes soveel vinniger versprei waar daar 'n **hoë digtheid** diere bymekaar is (bv. melkerye, voerkrale, ens.) teenoor vrylopende veldbeeste. Tydens die onlangse bek-en klouseer uitbreek is daar waar diere wat van meer as een bron afkomstig, gemeng is, om daarna weer na meer as een bestemming geskuif te word, as 'n beheermaatreël, nie toegelaat nie, om sodoende verspreiding van die virus te verhoed. Deur jou sosiale afstand te hou, verminder jy die moontlikheid van infeksie. Hy het ook versoek dat mense in hul gebuigde elmboog moet hoes en nies om die verspreiding van aërosolsprei van COVID-19 te verhoed. Diere kan nie versoek word om dit te doen nie, maar ons kan wel die **biosekuriteit** van ons plase opskeep om die verspreiding van siektes deur instrumente, emmers, rubberskoene, voertuie, ens. te beperk.

Om COVID-19 te beheer, word ons ook aangeraai om ons hande deeglik te was of elke 20 minute te **ontsmet**. Ons pasiënte kan dit nie doen nie, maar weereens kan ons met biosekuriteit sorg dat die was en **ontsmetting** van instrumente, toerusting, ens. kan help om die verpreiding van die siekte te voorkom.

Gedurende grendeltyd bly ons tuis aangesien 'n aansteeklike siekte nie kan versprei as daar geen beweging is nie. **Inperking** kan vergelyk word met 'n plaas of diere wat onder **kwarantyn** geplaas word. Beweging van diere en mense wat asimptomaties is, maar steeds die virus onder lede het, word erken as een van die belangrikste maniere waarop die virus versprei. Taxis word bespuit en ontsmet om die verspreiding van die Coronavirus te voorkom. Dit is ook van toepassing op voertuie wat diere vervoer – hulle behoort gewas en **ontsmet** te word tussen vragte- of tussen plase, of na vendusies of abattoirs.

Mense se temperatuur word gemeet en indien die temperatuur verhoog is, word hulle nie toegelaat op 'n vlug of om 'n winkel binne te gaan nie en word daarna getoets vir 'n siekte. Netso word diere ook vir bek-en-klouseer **getoets** voordat hulle gelaai word om geneem te word na ander plase, vendusies of abattoirs. Indien van die diere verdag voorkom, word verdere toetse gedoen. Wanneer enige diere by aankoms by die nuwe bestemming positief is (of verdag voorkom), word alle kontakdiere beskou as hoë risiko en onder kwarantyn geplaas tot daar bewys is dat hulle negatief is. Hierdie optrede word gevvolg in 'n poging om die **verspreiding** van die siekte te bekamp.

Een voordeel wat diere-eienaars tans het bo mense en die COVID-19, is dat baie van die dieresiektes deur **inenting** voorkom kan word. Die slagspreuk "**why wait, vaccinate**" is van toepassing op baie dieresiektes en sal hopelik ook 'n werklikheid word wanneer navorsers 'n toepaslike entstof teen COVID-19 ontwikkel. Of dit nou 'n menslike siekte soos COVID-19 of 'n dieresiekte soos bek-en klouseer is, bly so 'n uitbreek vernietigend vir die mense wat geraak word en veroorsaak dit hartseer en ernstige ekonomiese verliese vir almal.

Ons kan 'n siekte slegs beheer deur saam te werk om die verspreiding te verhoed.

Medewerkers:

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April 2020

Foot and Mouth Disease

Lifting of ban on auctions

<http://nahf.co.za/wp-content/uploads/FMD-Media-Statement-17-February-2020.pdf>

Agricultural Produce Agents Council (APAC)

The Act and the Rules

The Agricultural Produce Agents Council was established by Section 2 of the Agricultural Produce Agents Act (Act 12 of 1992), as amended by the Agricultural Produce Agents Amendment Act, No. 47 of 2003.

The Rules in respect of Fresh Produce Agents, Export Agents and Livestock Agents are issued in terms of Section 10 of the Agricultural Produce Agents Act, Act 12 of 1992.

<https://www.apacweb.org.za/legislation>

BIOSECURITY

Biosecurity should not be just a word but should be an action. All of us (producer organizations, farmers and their employees, politicians, veterinarians, co-op personnel, representatives, auctioneers, agricultural writers and inhabitants of the Republic of South Africa) should be protecting our national

herd becoming infected with organisms which could harm them and the people consuming products of animal origin.

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

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

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

As was recently experienced, an auction could be the most dangerous place to buy animals if biosecurity measures are not heeded. All animals should be branded with a registered brand mark and or tattoo, health certificates in place and seller's home address (not post box number, should be available. Take note that foot and mouth disease, bovine brucellosis, tuberculosis, Johne's disease, trichomonosis, vibriosis, sheep scab (to name a few diseases) and parasites resistant to certain antiparasiticides are herd and flock diseases! Contact your veterinarian to assess your risk bringing in animals onto your farming unit. As an additional precaution, quarantine animals for at least 28 days.

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

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

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

What to do to be prepared for future outbreaks

Get a traceability system in place

Biosecurity guidelines

<http://nahf.co.za/wp-content/uploads/FMD-Basic-Biosecurity-Guidelines-2019-11-19-Ver-3-1.pdf>

1. During a FMD outbreak it is the producer's responsibility to keep their animals from getting infected.
2. Although FMD does not pose a food safety or public health concern it has a major impact on animal health and international trade.

3. Each commercial farm should appoint a biosecurity manager.
 4. A written biosecurity plan is a basic requirement.
 5. Development of a plan must be done by the biosecurity manager with assistance from a veterinarian.
 6. The biosecurity plan must include a line of separation/demarcation of the biosecurity area.
7. Training:
- a. Train all personnel in biosecurity principles at least annually.
8. Access:
- a. Access points to the area must be identified and demarcated clearly.
 - b. Loading site must be identified away from animals.
 - c. A cleaning and disinfection station needs to be made available and should be away from any animals and an SOP for cleaning of all vehicles entering the biosecurity area must be adhered to.
 - d. Parking areas away from animal areas must be provided.
 - e. Vehicle movement pathways must be mapped.
 - f. Draw up a map demarcating all these areas.
 - g. The control boundary should always be respected and identified to all personnel.
 - h. No access of vehicles or personnel to the biosecure area unless via proper decontamination protocols. People with any suspected contact with infected animals (or having been in an affected area) should stay away from "clean animals for at least a week.
 - i. Access points should be respected, well demarcated and procedures of access described. Biosecurity Guidelines-FMD 2019-11-19 2
 - j. Animals arriving on the farm should only be directly from a guaranteed healthy herd accompanied by signed and dated veterinary health certificates.
 - k. Personnel entering the biosecure area should shower and change clothing before entering the area.
 - l. Logbooks of all persons, vehicles, equipment etc entering or leaving the biosecure area should be kept.
 - m. No entry of persons, vehicles or products should be allowed if not expressly permitted by the biosecurity officer.
 - n. Feed brought into the biosecure area should only be from sources determined by the biosecurity manager.
 - o. For further information go to www.securebeef.org
9. Quarantine:
- a. For extra security cattle should be quarantined at least 100 meters for 21 days away from the herd.
 - b. There will be absolutely no contact with the herd either directly or indirectly.

c. They should only be introduced after clinical (and preferably serological) evaluation.

It is now the time that we take ownership of our own industry!!!!!!!

Summary of disease report for March 2020

143 Reports from veterinary practices and laboratories were received (Mpumalanga (MP) 12; Gauteng (G) 11; Limpopo (L) 5; Northwest (NW) 15; Free State (FS) 30; KwaZulu-Natal (KZN) 15; Eastern Cape (EC) 17; Western Cape (WC) 20; Northern Cape (NC) 8; Feedlots (FL) 1; Mastitis consultant (MC) 1 and Laboratories (Lab) 8)

A list of diseases and conditions reported by veterinarians in 5 or more provinces

Disease or condition	Number of provinces reporting
Blue tongue	9
Pneumonia	9
Dystocia (difficult births)	9
Wireworm	8
Blue ticks	8
Bont-legged ticks	8
African red water	8
Anaplasmosis	8
Pulpy kidney	8
Orf (vuilbek)	8
Warts	8

Abscesses	8
Ophthalmia (eye infections)	8
Lameness/Foot problems	8
Roundworms	7
Midges	7
Blowflies	7
Asiatic red water	7
Lumpy skin disease	7
Ephemeral fever (Three-day-stiff-sickness)	7
<i>E. coli</i>	7
Ringworm	7
Abortions	7
Joint ill	7
Mastitis	7
Metritis	7
Uterine prolaps	7
Resistant roundworms	6
Coccidiosis	6
Cryptosporidiosis	6
Bont ticks	6
Brown ear-ticks	6
Screw-worm	6
Heartwater	6
Vibriosis	6

Bovine brucellosis	6
Bloat	6
Diarrhea	6
Navel ill	6
Downer	6
Acidosis	6
Poor conception	6
Tapeworms	5
Liver fluke	5
Red-legged ticks	5
Nuisance flies	5
Sweating sickness	5
Trichomonosis	5
Blackquarter	5
BMC (snotsiekte)	5
Protein deficiency	5
Calcium deficiency	5
Eye cancer	5
Milk fever	5
Retained placenta	5
Vaginal prolaps	5

Bovine Brucellosis

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

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

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

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

It is available in English and Afrikaans.

<http://nahf.co.za/brucellosis-legal-aspects-2018-12-11/>

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.	<input type="checkbox"/> YES <input type="checkbox"/> NO
2. The sheep for sale are clearly identified in the accompanying description.	<input type="checkbox"/> YES <input type="checkbox"/> NO
3. The sheep for sale were born on my farm.	<input type="checkbox"/> YES <input type="checkbox"/> NO
4. The farm has a closed flock policy. (No live sheep are brought onto the farm from elsewhere)	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO
6. I have actively looked for Ovine Johne's Disease and have had tests done for this.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO
8. The sheep on my properties have been vaccinated against Ovine Johne's Disease and are clearly marked with the approved ear tag.	<input type="checkbox"/> YES <input type="checkbox"/> NO
9. All lambs born are vaccinated	<input type="checkbox"/> YES <input type="checkbox"/> NO
10. If vaccinated, the number of years that the vaccinations have been done is	<input type="checkbox"/> 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:



UNIVERSITY OF PRETORIA
UNIVERSITY OF PRETORIA



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 (Foot and Mouth Disease, Ovine Johne's Disease, Pest of small stock – PPR, and African Horse Sickness) is available.

This link will continuously be updated.

Information on **antibiotic resistance** is also available at this address:
<http://nahf.co.za/category/antibiotic-resistance/>

Rural Veterinary Association of South Africa

www.ruvasa.co.za

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

Landbouweekblad's webpage

www.landbou.com

[Kundiges](#)

[Vra vir Fappa](#)

[Lees alle antwoorde](#)

[Beeste](#)

[Siektes](#)

[Brusellose](#)

The following can be typed in the “Soekblokkie”

Stop Brusellose

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

Rapportering aan bure of ander eienaars oor die voorkoms van brusellose

Inligting oor brusellose op die NAHF se webblad

Kuddebestuur voor die dekseisoen

Bees Brusellose handleiding

Teenliggaamwaardes om beesbrusellose in koeie te bepaal

Veterinêre Strategie 2016 -2026

'n Dosyn dinge wat jy moet weet van beesbrusellose

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

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

Vervoer van diere uit 'n positiewe brusellose kudde

Beheer van brusellose in 'n beeskudde
Boerderypraktyke wat die gevaar van die voorkoms van brusellose verhoog
Pak brusellose by die horings
Brucellose kan jou lewe verwoes
Brusellose in wild
Bestuur van positiewe besmetlike misgeboorte beeste
Aankoop van beeste wat besmetlike misgeboorte het
Antwoorde oor brusellose
Behandeling van besmetlike misgeboorte
Besmetlike misgeboorte uitbreek in 'n kudde
Gevaar van brusellose onderskat
RB51-inenting teen brusellose in dragtige koeie
Alles oor Besmetlike Misgeboorte (BM)
Kompensasie vir BM en TB positiewe beeste?
Nóg vrae oor besmetlike misgeboorte
Koeie positief getoets vir besmetlike misgeboorte
Vrae, antwoorde oor besmetlike misgeboorte
Brucellose: Wat staan ons te doen?

Internal parasite control

www.wormx.info

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

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

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

Insist on VENDOR'S DECLARATIONS when buying animals.

Quarantine

Immunization programmes

Speak to your veterinarian

Abide the law- vaccinate cattle against anthrax and heifers against brucellosis!

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

Internal parasites

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

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

Cysticercosis (measles)		x							
Schistosomiasis (bilharzia)									
Coccidiosis		x			x	x	x	x	x
Cryptosporidiosis		x		x	x	x	x	x	

Many deaths due to wireworm infestations have been reported from may areas in the summer rainfall area. Young and pregnant animals are the most vulnerable!

I asked Dr. Gretha Snyman from Grootfontein to send me an update on the selection of sheep for resistance

Research on resistance to wireworm in sheep

Research in this regard has been done by Dr Alan Fisher and Grootfontein on the Wauldby Dohne Merino flock since 2011.

Data on faecal egg counts (FEC), Famacha[®] score (FAM) and body condition score (BCS) were collected annually on all lambs. FEC, FAM and BCS of all lambs were recorded from the middle of January onwards. FAM was recorded weekly and FEC and BCS every 14 days until the end of June when Haemonchus challenge had decreased. Lambs were only drenched when they had a FAM of 2.5 or more, in conjunction with a BCS of less than 1.5. Any lamb that was drenched was recorded as "Dosed" and those lambs that did not require any drenching as "Not dosed". Replacement rams and ewes were selected from the animals that did not need dosing on the basis of a selection index incorporating FEC, FAM and BCS.

During the first year of the trial, 33% of the ram lambs and 45% of the ewe lambs were not dosed. These percentages increased annually until 77% of the ram lambs and 82% of the ewe lambs did not need any drenching in 2016. One of the most significant results of the trial to date was the increase in percentage offspring of the sires that did not need drenching. The best performing sire used during 2011 had 53% lambs that did not need drenching, while 74% lambs of the poorest sire needed anthelmintic treatment. In 2016, the best performing sire had 97% lambs that did not need drenching, while 37% lambs of the poorest sire needed anthelmintic treatment.

Genetic parameters for the resistance traits were estimated and these results were used to develop protocols for selection for resistance to *H. contortus* under South African conditions.

A preliminary genomic study showed genetic differences between sire lines, where animals in the most resistant lines had significantly more favourable breeding values for FEC. Currently a more comprehensive genomic study is underway which involves a search for markers or genes related to worm resistance.

The results of the study to date can be found in volumes 18, 19 and 20 (in press) of the Grootfontein Agric on <http://gadi.agric.za>.

Nodular worm infestation could cause huge problems! Farmers should be on the look out for nodules in the intestines of sheep at slaughter or animals dying for some or other reason! Contact your veterinarian immediately to discuss control measures!

Use the “five point” check in sheep to keep on top of what is happening in the flock. Check each animal slaughtered or that died for nodular worm infestation- whitish nodules can be seen in the small intestine. For further detail contact your local veterinarian. Treatment is but one of many actions in the holistic management approach to control internal parasites.

Make sure the dewormer you are using actually deworms your animal!

Wireworm infestation kills your animal. If the eye mucous membrane of the animal is white or pinkish, after treatment, within a week the mucous membrane HAVE to become reddish!!!!!!!!!

The best is to do a faecal egg count reduction test (FECRT) – contact your veterinarian



Holistic internal
parasite management

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

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

www.wormx.info

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

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

https://www.google.co.za/search?hl=en&tbm=isch&source=hp&biw=1344&bih=608&ei=PyxyXO070cutkwXinK3oCA&q=cryptosporidium+parvum&oq=Cryptosporidium&gs_l=img.1.1.0l10.2885.9850..16402...0.0..0.708.5719.2-4j4j3j2j1.....0....1..gws-wiz-img.....0.o66yefU7Ric

Prevention of Cryptosporidiosis

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

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

Ensure no nutritional deficiencies especially vitamin A and Selenium

Excellent bio-security

Ensure clean pathogen free water sources

Hygiene training of personnel

Consult your veterinarian

External parasites

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

External parasites	MP	G	L	NW	FS	KZN	EC	WC	NC
Blue ticks	x	x	x	x	x	x	x	x	
Resistant blue ticks					x	x			
Heartwater ticks	x	x	x	x		x	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		
Paralysis ticks				x					
Tampans									
Biting lice					x				
Sucking lice				x					x
Fleas									
Itch mites									
Sheep scab		x			x				

Mange mites	x				x				
Nuisance flies	x			x	x	x		x	
Midges	x	x		x	x	x	x	x	
Mosquitoes	x			x	x	x			
Blowflies	x	x	x		x	x	x	x	
Screw-worm	x	x	x	x	x		x		
Gedoelstia (uitpeuloogsiekte)									
Nasal bot	x	x			x				

Tick infestations are at a high after rains fell in the summer rain-fall areas. Blue ticks (African and Asiatic blue ticks) are able to transmit red water, anaplasmosis and lumpy skin disease.

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

Actives to be tested for resistance are: organophosphates, pyrethroids, amidines, fipronil. Actives registered only for controlling blue ticks are: macrocyclic lactones, fluazuron (acaricide growth regulator).

Discuss your tick control programme with your veterinarian, especially in areas where summer rains fell. Below is a list of diseases transmitted by ticks.

Flying insects are rife and so is insect borne diseases on the increase which are transmitted by them. For your own sake: **Are all your animals vaccinated against Rift Valley Fever?**

Start already now updating your management programme with the help of your veterinarian!

Tick borne diseases

The following tick-borne diseases were reported by practices in the provinces:

Tick borne diseases	MP	G	L	NW	FS	KZN	EC	WC	NC
African red water	x	x	x	x	x	x	x	x	
Asiatic red water	x	x		x	x	x	x	x	
Anaplasmosis	x	x		x	x	x	x	x	x

Heartwater	x	x	x	x		x	x		
Lumpy skin disease	x	x	x	x	x	x			x
Corridor disease									
Theileriosis									

Asiatic red water is spreading and is one of the deadliest diseases in cattle.

Numerous mortalities were reported!

Heartwater outbreaks were reported from 6 provinces.

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

Anaplasmosis outbreaks were reported in 8 provinces.

Tick toxicosis

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

Insect transmittable diseases

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

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

Insect transmittable diseases is rife. Vaccines are available, the only reason why there were so many outbreaks of lumpy skin disease, blue tongue and three-day-stiff sickness could be that animals were not vaccinated or that the cold chain was broken!

An increase in mosquito numbers were reported – beware of a Rift Valley Fever, Wesselsbron outbreak – abortion storms and yellow carcases. This is a zoonosis! Contact your veterinarian immediately, do not handle afterbirths!!

Veneral diseases

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

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

New cases of **trichomonosis** are reported every month and this disease is out of control.

Make sure to buy bulls from farmers where biosecurity measures are in place and bulls are tested for these diseases at regular intervals. Trichomonosis were reported from 5 provinces and vibriosis from 6 provinces.

Veneral disease is a HERD disease!

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

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

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

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

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

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

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

Bacterial diseases

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

<i>Pasteurella multocida</i>								
Pasteurellosis (see pneumonia -lungs)	x	x			x		x	x
<i>Fusibacterium necrophorum</i>	x				x		x	
Septicaemia					x			
<i>E. coli</i>	x			x	x	x	x	x
<i>Klebsiella</i>								
<i>Coxiella</i>							x	
<i>Mycoplasma</i>								
Enzootic abortion				x	x		x	
Lumpy wool (<i>Dermatophilus</i>)					x		x	
Bovine dermatophilosis (Senkobo disease)	x					x		
Uterine gangrene								
Wooden tongue								
Lumpy jaw								
Interdigital dermatitis								

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.

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

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

A positive heifer is a TROJAN HORSE!!! This latent carrier of brucellosis may only test positive after calving!!!!

PREVENTION IS BETTER AND CHEAPER THAN CURE!

Do not save yourself bankrupt!

Q-fever, enzootic abortion, brucellosis, are all zoonotic diseases and should be handled with utmost care!

Viral diseases

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

Enzootic bovine leucosis (EBL)					x	x	x	x	
Sheep leucosis									
Jaagsiekte									
Orf	x	x		x	x	x	x	x	x
Warts	x		x	x	x	x	x	x	x
Herpes mammillitis - goats									

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

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

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

BMC is a notifiable disease and have to be reported to the State Veterinarian.

<http://nahf.co.za/controlled-and-notifiable-diseases/>

Discuss vaccination programmes and biosecurity measures with your veterinarian.

Orf is a zoonosis and a case in humans was reported.

Fungal diseases

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

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

Protozoal diseases

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

Toxicities

The following toxicities were reported by practices in the provinces:

Aflatoxin							
Diplodiosis							
Lupins							
Harpuisbos							
Syringa berries							
Acorn							
Cycad							
Kraalbos, Geelbos (<i>Galenia africana</i>)							
Radish							
Carrot poisoning							
Onion poisoning							
Bracken fern							
Pollen beetle (<i>Astylus atromaculatus</i>)							
Water contamination							
Nitrate			x				
Amaranthus							
Tannins							
Urea					x	x	
Salt							
Snake bite	x		x	x			x
Moth cocoons (impaction)							
Blue green algae							
Copper							
Selenium							

Zinc							
Zinc sulphite							
Fluoride							
Lead		x					
Alcohol poisoning						x	
Paraquat							
Phosamine							
Aldicarb							
Organophosphate							
Zinc phosphide							
Xanthium							
Pyrethroid							
Amitraz							
Levamisole							
Ivermectin							
Moxidectin							
Oxytetracycline							
Tilmicosin							
Bromoxynil nitrate							
Ionophor							
Monensin							
Hypo							
Diazinon							
Glyphosate							

Chicken litter									
Medicated maize seed									

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

Geeldikkop, due to sheep eating wilted duwweltjies have been reported.

Do have activated charcoal on the farm as the antidote for tulip poisoning! (**Outbreaks reported in 7 provinces**) Dosage: 2 gram per Kg body weight, 1 Kg charcoal for 500kg animal. Toxic plants are sometimes eaten by young animals that do not know these plants. Be aware of this situation and know where these plants are growing on the farm.

Nutritional deficiencies

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

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

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

Drought conditions are still present in areas!

Micro-nutritional and vitamin deficiencies

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

Deficiencies	MP	G	L	NW	FS	KZN	EC	WC	NC
Iodine						x			

Copper									
Zinc								x	
Selenium	x	x		x	x				
Magnesium								x	
Manganese								x	
Vitamin A				x					
Vitamin B 1								x	

Members of RuVASA's hearts go out to our colleagues and their clients in drought-stricken areas!

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 and Zinc during 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	
Intestinal ulcers									
Bladder stones –urolithiasis		x			x				
Blindness					x			x	x
Bloat	x	x				x	x	x	x

Blue udder	x	x			x		x	x	
Diarrhoea	x	x		x	x	x		x	
Epididymitis									
Eye cancer	x				x	x	x	x	
Eye infections	x	x		x	x	x	x	x	x
Vestibular syndrome (middle ear infection)									
Skin lymphoma									
Joint ill	x	x		x	x	x	x	x	
Cystitis									
Icterus									x
Lameness/foot problems	x	x		x	x	x	x	x	x
Lung infection	x	x	x	x	x	x	x	x	x
Mastitis	x	x		x	x	x	x	x	
Navel ill		x		x	x	x		x	x
Umbilical hernia									
Red gut (sheep, torsion of gut)									
Rectal prolaps									
Rumen stasis		x							
Abdominal impaction									
Abdominal hernia									
Floppy kid synrome									
Swelsiekte									
Traumatic reticulo-pericarditis	x				x	x		x	

Trauma		x	x		x			x	
Teeth wear									
Plastic bags (ingestion)									
Downer		x		x	x	x		x	x
Poor condition								x	
Anaphylactic shock									
Vestibular syndrome (middle ear infection)									
Hernia									
Deformaties									
Wet carcasses at abattoir				x				x	x
Yellow carcasses at abattoir									

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.

Metabolic diseases

The following diseases were reported by practices in the provinces:

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

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

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

Reproductive diseases

Secret of making money is to have an offspring of EACH heifer, cow, ewe or doe on the farm and wean that calf, lamb or kid EVERY YEAR!!

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

Environmental conditions

Drought								x	
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Other conditions

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

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

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

PRECAUTIONARY MEASURES TO SUPPORT BIO-SECURITY.

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

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

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

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

Have there been any recent disease outbreaks in the location?

Do brand marks clearly confirm ownership?

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

Is a veterinarian supported control program against transmittable diseases followed?

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

Dates and tests for zoonotic diseases

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

2. PURCHASES FROM SALES OR SPECULATORS

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

Visually inspect the animals before purchasing for:

- * brand marks
- * parasite infestation

3. TRANSPORT TO THE FARM

Use only reputable transporters

Has the truck been cleaned and disinfected?

Truck to follow the shortest uninterrupted route

Truck to take the shortest route to the handling facilities

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

4. ARRIVAL ON THE FARM

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

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

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

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

Inspect regularly

5. FEED PURCHASES

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

Purchase feed from reputable dealers only

Avoid buying feed in second hand bags

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

6. VISITORS

Do not allow strangers or their vehicles amongst the livestock

Ensure fences are well maintained and preferably jackal and warthog proof

7. EMPLOYEES

Do not allow the employees to eat in feed stores

Supply employees with sufficient ablution facilities

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

Keep record of all employee livestock on the property

Treat employee livestock with separate but dedicated health programs

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

GENERAL AND REPRODUCTION MANAGEMENT

Record keeping: All animals are individually identified and recorded.

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

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

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

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

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

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

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

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

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

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

HERD HEALTH AND BIO-SECURITY

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

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

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

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

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

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

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

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

Practices that had nothing to report

Beestekraal – Dr. Alwyn Venter

Cape Town – Dr. Sophette Gers

Elsenburg – Dr. Annelie Cloete

George – Dr. Mark Chimes

Kroonstad – Dr. Theo Kotze

Malalane – Drs. Van Sittert and Van Sittert

Nigel – Dr. Cindy van der Westhuizen

Tulbagh/Paarl – Dr. Dirk Triechaardt

Tzaneen – Dr. Danie Odendaal

Vanderbylpark- Dr. Kobus Kok

Vryburg- Dr. Jurie Kritzinger

Ostriches

Western Cape

Oudtshoorn

Tapeworms	2
Bont-legged ticks	1
Nuisance flies	1
Eye problems	2 - Vit A, E, Se and Biotin def – crust and secondary bact infections. Reduced sight reduced feed intake
Red gut	3 - Feed intake up and down/ leads to GIT disturbance and Redgut – clostridial enteroxaemia
Cryptosporidiosis	3
Diarrhoea	1 - Dysbacteriosis - enterocolitis
Lungs	3 - Temperature fluctuations/ dust/ cold – increased moist rales, rhinitis and sinusitis
Soil pica	3 - High temp = high water intake = moist areas in camps and soil pica
Protein, Energy deficiency, poor growth	3 - Late chicks more severely affected, insufficient time to feed (daylight/ high temp), high demand for energy (cold evenings), underlying infections chronic enterotoxaemia and airsacculitis.
Selenium deficiency	1 - Vit A, E, Se and Biotin def – crust and secondary bact infections. Reduced sight reduced feed intake
Vitamin A deficiency	1 - Vit A, E , Se and Biotin def – crust and secondary bact infections. Reduced sight reduced feed intake

Biotin deficiency	1 - Vit A, E, Se and Biotin def – crust and secondary bact infections. Reduced sight reduced feed intake
Rectal prolaps	3 -Soil pica and heat stres = cryptosporidium overgrowth
Newcastle disease	3 Pigeons

Equines

Gauteng

Bapsfontein

African Horse Sickness - 2

Theileriosis – 3

Equine encephalosis - 3

Muldersdrift

African horse sickness – 2

Equine encephalosis virus - 2

Pretoria

Brown ear-tick – 1

Limpopo

Bela-Bela

African Horse Sickness – suspected dunkop

Mokopane

African Horse sickness – 2 Horses

Kwazulu-Natal

Eshowe

African Horse sickness - 2

Pongola

Nagana -1 (diagnosed in Ponta Mamoli, Mozambique)

Eye infection – 2 Kudu and Nyala

Eastern Cape

Aliwal North

West Nile Virus - 2

Northern Cape

Colesberg

Equine encephalosis virus - 2

Game

Gauteng

Magaliesburg

Babesiosis - Sable

Pretoria

Bont legged-tick - 2

Bont tick -3

Brown ear-tick – 1

Eye infection - 2

Limpopo

Bela-Bela

Trauma – Two buffalo bulls fighting, serious wounds and pain, improved after treatment

Ticks – Eland, maggots in ear secondary to severe tick infestation

Protein , energy malnutrition – Giraffe died

North West

Ottosdal

Wireworm - Game

KwaZulu-Natal

Pongola

Swine

Limpopo

Bela-Bela

Trauma to ear- unknown trauma

**Monthly report on Livestock and Wildlife isolations for March 2020 from
Vetdiagnostix –Microbiology Laboratory, supplied by dr. Marijke Henton
(henton@vetdx.co.za)**

Vetdiagnostix microbiology

After last month's report detailing severe balanoposthitis in bulls, chiefly due to *Trueperella pyogenes*, we isolated it from bovine abscesses [4], myositis [where it was thought to be of clostridial origin], pneumonia and septicaemia this month. It was also isolated from lung and lymph node lesions in an African buffalo, together with *Actinobacillus lignieresii*.

Other isolates in the HPA [*Haemophilus*, *Pasteurella*, *Actinobacillus*] group were *Mannheimia haemolytica* [6] from feedlot cattle respiratory disease [BRD] and a sheep with pneumonia. There are 17 serotypes of *Mannheimia haemolytica*, and cattle only get types 1 and rarely type 6. The leucotoxin vaccines protect cattle very well. Sheep can become ill from nearly all 17 types, making vaccine choice much more difficult. Leucotoxin vaccines only protect against some sheep strains, and it is generally advisable to use a vaccine which contains many serotypes for sheep. Cases of BRD also yielded *Pasteurella multocida* [4], *Histophilus somni* [4], *Mannheimia* biovar 10 and *Mycoplasma* [4].

A septicaemic pig yielded *Actinobacillus suis*, and another, with pneumonia, *Actinobacillus pleuropneumoniae*.

Enteritis was mostly caused by *E. coli*: calves [9], lambs [7] and piglets [2]. Three of the ruminant cases were together with *Cryptosporidium*, and one *E. coli* was resistant to most antibiotics. Oedema disease in pigs on two farms was confirmed by the virulence test, which found the isolates positive for the Oedema Disease markers of stx2e and F18.

The only *Salmonella* this month was *S. Typhimurium* from sheep in a feedlot. *Salmonella* in sheep is rare, but *S. Typhimurium* is a problem in sheep feedlots.

Staphylococcus aureus was associated with bovine mastitis and abscessation, a methicillin resistant one [MRSA] with mastitis in a goat, and an abscess in a rhino. A kudu with conjunctivitis yielded *S. pseudintermedius*.

Mastitis Metritis Agalactiae [MMA] in a sow was due to *Streptococcus porcinus*. *S. porcinus* does not only cause cervical lymphadenitis in pigs, it can act as an opportunist in other sites as well.

Clostridial myositis in cattle was caused by *C. chauvoei* in a 6 month old Bovelder, and *C. septicum* in another case.

Monthly report: Dr Theo Kotzé – Moqhaka (Kroonstad) district

Veterinary Mastitis Consultant: Bovine Industry

0827849706@vodamail.co.za

0827849706

DIAGNOSTIC REPORT : March 2020

No new zoonotic AMR organisms or State controlled disease reporting for March

Feedlot report received from Dr. Eben du Preez for March 2020
(edupreez1@telkomsa.net)

Condition	Comments and Specie
Wireworm	O 3
<i>Gedoelstia</i> (Eye worm)	B 2
Blowflies	O 2
Anaplasmosis	B 3
Blue tongue	O 3
Botulism	B 2
Pulpy kidney	O 3
Footrot	B 3
Lumpy wool	O 3
Liver abscesses	B 3
Ringworm	B 3
BVD – bleeding ulcers in abomasum	B 2
Warts	B 2
Lungs	B 3
Eyes	B 2, O 2
Vitamin B1 deficiency	B 3, O 3
Acidosis	B 3, O 3

Monthly report for March 2020 from Dr R D Last (BVSc; M.Med.Vet(Path); MRCVS)

Specialist Veterinary Pathologist, Vetdiagnostix - Veterinary Pathology Services

LIVESTOCK DISEASE SURVEILANCE			
LIVESTOCK SPECIES	DISEASE AGENT	NO. CASES	LOCATION
BOVINE, CALF	CRYPTOSPORIDIOSIS	1	ERMELO, MPUMULANGA

BOVINE, CALF	CRYPTOSPORIDIOSIS	1	UNDERBERG, KZN
OVINE LAMB	CRYPTOSPORIDIOSIS	1	ERMELO, MPUMULANGA
BOVINE, BULL	BESNOITIOSIS	1	RUSTENBURG, NORTH WEST
PORCINE, ADULT SOW	MYCOTOXICOSIS	1	RUSTENBERG, NORTH WEST
OVINE, ABORTION	COXIELLA BURNETTI	1	CLOCOLAN, FREE STATE
OVINE, LAMBS	CRYPTOSPORIDIOSIS	1	PLATKOP, FREE STATE
OVINE, ABORTION	COXIELLA BURNETTI	1	HERTZOGVILLE, NORTH WEST

WILDLIFE DISEASE SURVEILLANCE			
WILDLIFE SPECIES	DISEASE AGENT	NO. CASES	LOCATION
BUFFALO, ADULT COW	ACTINOBACILLUS LIGNIERESII	1	NELSPRUIT, MPUMULANGA
LION, ADULT MALE	CLOSTRIDIAL SEPTICAEMIA	1	MAKOPANE, LIMPOPO
MARMOSET MONKEY	SALMONELLOSIS	1	HERTZOGVILLE, NORTH WEST
SABLE ANTELOPE	CARDIAC GLYCOSIDE POISONING	1	HERTZOGVILLE, NORTH WEST

**Monthly report on Livestock and Wildlife isolations for March 2020 from IDEXX
Laboratories supplied by dr. Liza du Plessis (Liza-DuPlessis@idexx.com)**

Condition	Comments and Specie
Brown ear-tick	E 2
Bont-legged tick	E 1
Red-legged tick	E 2
Bacterial septicaemia	B 1, P 1
Bacterial meningoencephalitis	B 1
Bacterial hepatitis	E 1
Red gut	B 1
Pulpy kidney	C 1
Tuberculosis	B 2
BMC (snotsiekte)	B 1

Tulip poisoning	o 1
Diarrhoea (bacterial)	B 1, C 2
Lung infection	E 1, C 1
Eosinophytic pleuropneumonia	E 1
Melanoma	B 1
Protein, energy malnutrition (PEM)	B 1
Trauma	G 1



UNIVERSITEIT VAN PRETORIA
UNIVERSITY OF PRETORIA
YUNIBESITHI YA PRETORIA

Section of Pathology
Department of Paraclinical Sciences
Faculty of Veterinary Science

March 27th, 2020

DAFF

Import/Export Policy Unit Subdirectorate

Monthly report: Faculty of Veterinary Science cases

Wildlife cases sent to referring veterinarians between 29th Feb and 27th March 2020

Cases from State vet Skukuza or Orpen (none)

Cases imported with master permit (none)

PMDate	Species	Final	Histo No	Animal ID
12-Feb-20	Lion	Chronic lymphocytic leukaemia	S454-20	Kongo, Lionsrock, Old Chapel

Kind regards,

A handwritten signature in black ink that reads "Thuliya Mitchell".

DISEASE DISTRIBUTION REPORT AS REPORTED BY VETERINARIANS

Table of Contents

Internal Parasites	Roundworms in general, Resistant Round Worms, Wireworm , Tape Worms , Parafilaria , Liver fluke, Conical Flukes, Cysticercosis, Other
External Parasites	Blue ticks, Resistant blue Ticks, Heartwater (Bont) ticks, Brown ear-ticks, Bont-legged ticks, Red-legged ticks, Paralysis ticks, Biting lice (red lice), Sucking lice (blue lice), Scab mites, Mange Mites, Nuisance Flies, Blowflies, Screw-worm, Nasal bot larvae, Midges, Mosquitoes, Other
Tick-borne Diseases	African red water, Asiatic red water, Anaplasmosis, Heartwater, Sweating Sickness
Insect Transmittable Diseases	Lumpy skin disease, Three-day-stiffsickness, Blue tongue, Nagana
Venereal Diseases	Trichomonosis, Vibriosis
Bacterial Disease (other)	Blackquarter, Botulism, Pulpy Kidney, Lamb dysentery, Swelled head disease, Red gut (cattle), Blood gut (Sheep), Tetanus, Salmonellosis, <i>Brucella abortus</i> , <i>Brucella ovis</i> , Bovine Tuberculosis, <i>Pseudomonas</i> , Septicaemia, <i>E. coli</i> , Enzootic Abortion, Dermatophilosis (Lumpy Wool), Bovine Dermatophilosis (Senkobo disease), <i>Fusibacterium necrophorum</i> , Listeriosis, Other, Pasteurellosis
Protozoal diseases (other)	Besnoitiosis, Coccidiosis, <i>Cryptosporidium</i>
Fungal diseases	Ringworm
Viral Diseases (other)	BMC, Rabies, IBR (Infectious bovine rhinotracheitis), BRSV (Bovine respiratory syncytial virus), Enzootic Bovine Leucosis (EBL), Orf, Warts, Rota virus
Poisonings (Plant) and Fungal	Cardiac glycoside poisoning, <i>Cestrum</i> , Facial eczema, Geeldikkop/Dikoor, Gousiekte, Kikuyu poisoning, <i>Lantana</i> , Nitrate poisoning, Prussic acid poisoning, Seneciosis, Tulip Poisoning, Vermeersiekte (<i>Gaigeria</i> spp.), Other
Poisonings	Urea Poisoning, Snake Bite, Chemical products
Macro Nutritional Problems	Energy deficiency, Protein deficiency, Phosphate deficiency, Calcium deficiency
Micro Nutritional Problems	Iodine deficiency, Copper deficiency, Zinc deficiency, Selenium deficiency, Magnesium deficiency, Vitamin A deficiency, Vitamin B1 deficiency

<u>Multi-factorial Disease Conditions</u>	Abortions , Stillbirths , Abscesses , Abscesses in general , Bladder stones , Blindness , Bloat , Blood gut (sheep and goat) , Blue udder , Diarrhea , Eye Cancer , Eye infections , Joint Ill , Lameness/Foot Problems , Lung infection , Mastitis in general , Navel Ill , Trauma , Downer , Other , Wet carcasses Yellow carcasses at abattoir
<u>Metabolic Diseases</u>	Acidosis , Displaced abomasum , Ketosis , Milk Fever
<u>Reproductive diseases</u>	Dystocia (Difficult Births) , Endometritis , Metritis , Poor conception , Retained afterbirth , Sheath Prolaps , Uterus prolaps , Vaginal (Cervical) prolaps
<u>Climatical Cause</u>	Drought , Lightning
<u>Non specific diseases</u>	Cause of death not established , Genetic disorders , Predators , Sabotage/Theft , Trauma , Traumatic Reticulo-pericarditis

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

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

Sheep		2.0 (1)								
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Free State

Bothaville, Bothaville Dierenkliniek

Sheep: 2

Roundworms in general										▲
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape	
Average	1.8 (6)	2.5 (6)		2.4 (5)	2.8 (13)	2.4 (7)	2.3 (4)	1.7 (9)		

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

Beef	1.5 (2)				2.0 (1)			1.5 (2)		
Dairy								1.0 (1)		
Sheep	2.3 (3)	2.4 (5)		2.8 (4)	2.8 (13)	2.6 (5)	2.5 (2)	2.0 (5)		
Goat	1.0 (1)	3.0 (1)		1.0 (1)		2.0 (1)	2.0 (2)	1.0 (1)		

Mpumalanga**Balfour, Balfour Dierekliniek**

Beef: 1, Sheep: 1, Goat: 1

Lydenburg, Longtom Dierekliniek

Beef: 2, Sheep: 3

Standerton, Econovet

Sheep: 3

Gauteng**Bapsfontein, Bapsfontein Dierehospitaal**

Sheep: 2

Nigel, Nigel Diere Spreekkamer

Sheep: 3, Goat: 3

Pretoria, Anima Veterinary Consulting Rooms

Sheep: 3

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Sheep: 2

Rayton, Rayton Dierekliniek

Sheep: 2

North West**Christiana, Christiana Dierehospitaal**

Sheep: 3

Klerksdorp, Klerksdorp Dierehospitaal

Sheep: 3

Ventersdorp, Ventersdorp Dierekliniek

Sheep: 3

Vryburg, Molopo Dierekliniek

Sheep: 2, Goat: 1

Free State**Bloemfontein, Dr Stephan Wessels**

Sheep: 3

Bothaville, Bothaville Dierekliniek

Sheep: 2

Clocolan, Clocolan Dierekliniek

Sheep: 3

Excelsior, Weltevreden Dierekliniek

Sheep: 3

Frankfort, Frankfort Dierekliniek

Sheep: 3

Hoopstad, Hoopstad Dierekliniek

Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Sheep: 3

Senekal, Senekal Dierekliniek

Sheep: 3

Viljoenskroon, Viljoenskroon Dierekliniek

Sheep: 3

Villiers, Wilgepoort Veedienste

Sheep: 3

Vrede, Saulshoek Dierepraktyk

Sheep: 2

Warden, Warden Dierekliniek

Sheep: 3

Wesselsbron, Wesselsbron Dierekliniek

Sheep: 2

Kwazulu-Natal

Dundee, Endumeni Herd health

Sheep: 3

Mooi River, Moorivier Vet Clinic

Sheep: 2

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2, Goat: 2

Newcastle, Ncanduvet Newcastle

Sheep: 2

Underberg, Underberg Veterinary Surgery

Sheep: 3

Vryheid, Vryheid Privaat Veeartse

Sheep: 3

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

Sheep: 3, Goat: 3

Uitenhage, Uitenhage Dierehospitaal

Sheep: 2

Witelsbos, Witelsbos Veterinary Consulting Rooms

Goat: 1

Western Cape**Caledon, Caledon Dierekliniek**

Beef: 2, Sheep: 2

Darling, Tygerberg Dierehospitaal Darling

Beef: 1, Dairy: 1

Stephanofilaria

Sheep: 1

*Nematodirus***George, George Animal Hospital**

Sheep: 3

Heidelberg (WC), Heidelberg Dierekliniek

Sheep: 2

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
Average	1.5 (2)	2.0 (1)			2.5 (8)	2.5 (2)	2.8 (4)	3.0 (1)	

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

Sheep	1.5 (2)	2.0 (1)			2.5 (8)	2.5 (2)	2.7 (3)	3.0 (1)	
Goat						3.0 (1)			

Mpumalanga**Balfour, Balfour Dierekliniek**

Sheep: 1

Lydenburg, Lydenburg Dierespreekkamer

Sheep: 2

Gauteng

Pretoria, Anima Veterinary Consulting Rooms

Sheep: 2

Free State**Bloemfontein, Dr Stephan Wessels**

Sheep: 2

Excelsior, Weltevreden Dierenkliniek

Sheep: 3

Gariepdam, Gariep Dierenkliniek

Sheep: 3

Severe resistance especially on pastures - farmers get advice from uninformed people

Hoopstad, Hoopstad Dierenkliniek

Sheep: 3

Kroonstad, Kroonstad Dierenhospitaal

Sheep: 2

Viljoenskroon, Viljoenskroon Dierenkliniek

Sheep: 3

Villiers, Wilgepoort Veedienste

Sheep: 2

Vrede, Saulshoek Dierenpraktijk

Sheep: 2

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

Sheep: 2

Underberg, Underberg Veterinary Surgery

Sheep: 3

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

Sheep: 3, Goat: 3

Steynsburg, Steynsburg Dierenhospitaal

Sheep: 3

Stutterheim, Stutterheim Veterinary Clinic

Sheep: 2

Wireworm resistance and coccidiosis in same flock

Western Cape**George, George Animal Hospital**

Sheep: 3

Wireworm										
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape	
Average	2.5 (4)	2.0 (2)	2.3 (4)	2.5 (10)	2.7 (21)	1.9 (7)	2.4 (7)		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					3.0 (1)	1.0 (1)				
Sheep	2.7 (3)	2.0 (1)	2.5 (2)	2.7 (7)	2.7 (20)	2.0 (4)	2.6 (5)		2.0 (4)	
Goat	2.0 (1)	2.0 (1)	2.0 (2)	2.0 (3)		2.0 (2)	2.0 (2)		2.0 (1)	

Mpumalanga

Bethal, Bethal Dierekliniek

Sheep: 2

Ermelo, Môregloed Veterinêre Spreekkamer

Sheep: 3

Nelspruit, Nelspruit Animal Hospital

Goat: 2

Standerton, Econovet

Sheep: 3

Gauteng**Hammanskraal, Themba Animal Clinic**

Sheep: 2, Goat: 2

Limpopo**Mokopane, Bundu Veterinary Services**

Sheep: 2, Goat: 1

Polokwane, Pietersburg Veterinary Clinic

Sheep: 3, Goat: 3

North West**Brits, Brits Dierekliniek**

Sheep: 3, Goat: 3

Brits, Zodiac Dierekliniek

Sheep: 3

Leeudoringstad, Leeudoringstad Dierekliniek

Sheep: 3

Ottosdal, Lakenvlei Dierehospitaal

Sheep: 3

Potchefstroom, Morvet

Sheep: 3

Schweizer-Reneke, Buffeloord Dierekliniek SR

Sheep: 2, Goat: 2

Vryburg, Molopo Dierekliniek

Sheep: 2, Goat: 1

Free State**Bethlehem, Bethlehem Animal Hospital**

Sheep: 3

Bethlehem, Union Street Animal Consulting Rooms

Sheep: 2

Bloemfontein, University Free State

Sheep: 3

Bothaville, Bothaville Dierekliniek

Sheep: 2

Bultfontein, Greylingsrust Dierespreekkamer

Sheep: 3

Clocolan, Clocolan Dierekliniek

Sheep: 3

Excelsior, Weltevreden Dierekliniek

Sheep: 3

Ficksburg, Oosvrystaat Diere Produkte

Sheep: 3

Frankfort, Frankfort Dierekliniek

Sheep: 3

Gariepdam, Gariep Dierekliniek

Sheep: 3

Hoopstad, Hoopstad Dierekliniek

Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Sheep: 3
Memel, Memel Veterinary Clinic
Sheep: 2
Reitz, Riemland Dierehospitaal
Sheep: 2
Senekal, Senekal Dierenkliniek
Beef: 3
Villiers, Wilgepoort Veedienste
Sheep: 3
Vrede, Saulshoek Dierenpraktyk
Sheep: 3
Vrede, Vrede Dierenhospitaal
Sheep: 1
Resistant wireworm
Warden, Warden Dierenkliniek
Sheep: 3
Wesselsbron, Wesselsbron Dierenkliniek
Sheep: 2
Winburg, Winburg Dierenkliniek
Sheep: 3
Kwazulu-Natal
Bergville, Bergville Veterinary Clinic
Sheep: 2
Camperdown, Camperdown Vet Clinic
Beef: 1, Sheep: 1, Goat: 2
Estcourt, Estcourt Vet Clinic
Sheep: 2, Goat: 2
Kokstad, E.G.Veterinary Services
Sheep: 3
Wireworm on intensive grazing causing havoc
Eastern Cape
Adelaide, Adelaide Veterinary Clinic
Sheep: 3
Wireworm in all small stock since rains during last 6 weeks
Goat: 3
Aliwal North, Hertzogbrug Dierenkliniek
Sheep: 3
Cradock, Cradock Veterinary Clinic
Sheep: 3
Somerset East, Bosberg Veterinary Clinic
Sheep: 1
Steynsburg, Steynsburg Dierenhospitaal
Sheep: 3
Witelsbos, Witelsbos Veterinary Consulting Rooms
Goat: 1
Northern Cape
Colesberg, Karoo Veterinary Hospital
Sheep: 3
Kimberley, Kimberley Dierenkliniek
Sheep: 1
Kuruman, Kuruman Dierenkliniek
Sheep: 2, Goat: 2
Postmasburg, Postmasburg Dierenkliniek
Sheep: 2

Tape Worms										
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape	
Average	1.5 (4)	2.0 (1)			2.3 (9)	2.0 (1)	1.0 (1)			
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported										
Beef	1.0 (1)									
Dairy							1.0 (1)			
Sheep	2.0 (1)	2.0 (1)			2.4 (8)	2.0 (1)				
Goat	1.5 (2)				2.0 (1)					

Mpumalanga

Balfour, Balfour Dierenkliniek

Beef: 1

Lydenburg, Longtom Dierenkliniek

Sheep: 2, Goat: 2

Nelspruit, Nelspruit Animal Hospital

Goat: 1

Gauteng

Bapsfontein, Bapsfontein Dierenhospitaal

Sheep: 2

Free State

Bloemfontein, Dr Stephan Wessels

Sheep: 3

Bothaville, Bothaville Dierenkliniek

Goat: 2

Kroonstad, Kroonstad Dierenhospitaal

Sheep: 2

Reitz, Riemland Dierenhospitaal

Sheep: 2

Senekal, Senekal Dierenkliniek

Sheep: 3

Viljoenskroon, Viljoenskroon Dierenkliniek

Sheep: 3

Villiers, Wilgepoort Veedienste

Sheep: 2

Vrede, Saulshoek Dierenpraktijk

Sheep: 2

Warden, Warden Dierenkliniek

Sheep: 2

Kwazulu-Natal

Estcourt, Estcourt Vet Clinic

Sheep: 2

Eastern Cape

Alexandria, Alexandria Platteland Spreekamer

Dairy: 1

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

Gauteng

Krugersdorp, Veearts Netwerk

Dairy: 2

dhcxx

Kwazulu-Natal

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2

Vryheid, Vryheid Privaat Veeartse

Beef: 2

Western Cape

Darling, Tygerberg Dierehospitaal Darling

Dairy: 1

Northern Cape

Kimberley, Kimberley Dierekliniek

Beef: 3

Seen at abattoir

Liver fluke										▲
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 (2)	2.0 (6)		1.3 (3)		
Beef	2.5 (2)	1.0 (1)			2.0 (1)	1.8 (5)		1.0 (2)		
Dairy					2.0 (1)	3.0 (1)				
Sheep							2.0 (1)			

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

Beef	2.5 (2)	1.0 (1)		2.0 (1)	1.8 (5)		1.0 (2)			
Dairy				2.0 (1)	3.0 (1)					
Sheep						2.0 (1)				

Mpumalanga

Lydenburg, Longtom Dierekliniek

Beef: 2

Standerton, Econovet

Beef: 3

Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 1									
Free State									
Reitz, Riemland Dierehospitaal									
Beef: 2									
Warden, Warden Dierenkliniek									
Dairy: 2									
Kwazulu-Natal									
Bergville, Bergville Veterinary Clinic									
Beef: 1									
Howick, Howick Veterinary Clinic									
Beef: 3, Dairy: 3									
Mooi River, Mooirivier Vet Clinic									
Beef: 1									
Pietermaritzburg, Veterinary House Hospital									
Beef: 2									
Underberg, Underberg Veterinary Surgery									
Beef: 2									
Western Cape									
George, George Animal Hospital									
Sheep: 2									
Malmesbury, Dr Otto Kriek									
Beef: 1									
Stellenbosch, Stellenbosch Animal Hospital									
Beef: 1									
Conical Flukes									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)				1.8 (4)	2.5 (4)		2.0 (1)	

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

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

Mpumalanga
Balfour, Balfour Dierenkliniek
Goat: 1
Free State
Kroonstad, Kroonstad Dierehospitaal
Dairy: 2
Memel, Memel Veterinary Clinic
Beef: 1
Reitz, Riemland Dierehospitaal
Beef: 2

Senekal, Senekal Dierekliniek

Sheep: 2

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

Beef: 2

Howick, Howick Veterinary Clinic

Beef: 3, Dairy: 3

Underberg, Underberg Veterinary Surgery

Beef: 2

Western Cape**Ceres, Ceres Veterinary Hospital**

Beef: 2

Outbreak of conical fluke in empty dam that was refilled with water

Cysticercosis

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)

Gauteng**Bapsfontein, Bapsfontein Dierehospitaal**

Beef: 1

Other

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

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

Sheep1.0
(1)**Free State****Wesselsbron, Wesselsbron Dierekliniek**

Sheep: 1

White bankruptworm (*Strongyloides papillosus*)**External Parasites**

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
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Average	2.8 (4)	2.5 (2)	1.0 (4)	2.3 (7)	2.7 (20)	2.9 (10)	2.7 (3)	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	2.8 (4)	2.5 (2)	1.0 (2)	2.5 (6)	2.5 (15)	2.9 (9)	2.7 (3)	2.3 (3)
Dairy					3.0 (2)	3.0 (1)		2.0 (1)
Sheep			1.0 (1)	1.0 (1)	3.0 (3)			
Goat		1.0 (1)						

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 2

Hendrina, Mooiplaas Veterinère Dienste

Beef: 3

Lydenburg, Lydenburg Dierespreekkamer

Beef: 3

Standerton, Econovet

Beef: 3

Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 2

Nigel, Nigel Diere Spreekkamer

Beef: 3

Limpopo

Mokopane, Bundu Veterinary Services

Beef: 1

Polokwane, Pietersburg Veterinary Clinic

Beef: 1, Sheep: 1, Goat: 1

North West

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 2

Lichtenburg, Dr CM Kruger-Rall

Beef: 3

Potchefstroom, Morvet

Beef: 3

Schweizer-Reneke, Buffeloord Dierenkliniek SR

Beef: 2

Ventersdorp, Ventersdorp Dierenkliniek

Beef: 3

Vryburg, Molopo Dierenkliniek

Beef: 2, Sheep: 1

Free State

Bloemfontein, Dr Stephan Wessels

Beef: 3

Bothaville, Bothaville Dierenkliniek

Beef: 2

Ciocolan, Ciocolan Dierenkliniek

Beef: 2

Ficksburg, Oosvrystaat Dieren Produkte

Beef: 3, Dairy: 3, Sheep: 3

Frankfort, Frankfort Dierenkliniek

Beef: 3

Hoopstad, Hoopstad Dierenkliniek

Beef: 3, Sheep: 3

Kroonstad, Kroonstad Dierenhospitaal

Beef: 2

Memel, Memel Veterinary Clinic

Beef: 3

Senekal, Senekal Dierenkliniek

Beef: 3, Dairy: 3

Viljoenskroon, Viljoenskroon Dierenkliniek

Beef: 3, Sheep: 3

Villiers, Wilgepoort Veedienste

Beef: 2

Vrede, Saulshoek Dierenpraktyk

Beef: 3

Warden, Warden Dierenkliniek

Beef: 2

Wesselsbron, Wesselsbron Dierenkliniek

Beef: 1

Winburg, Winburg Dierenkliniek

Beef: 3

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 3

Eshowe, Eshowe Veterinary Hospital

Beef: 3

Howick, Howick Veterinary Clinic

Beef: 3, Dairy: 3

Kokstad, E.G.Veterinary Services

Beef: 3

Mooi River, Mooirivier Vet Clinic

Beef: 3

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2

Pietermaritzburg, Veterinary House Hospital

Beef: 3

Underberg, Underberg Veterinary Surgery

Beef: 3

Vryheid, Vryheid Privaat Veeartse

Beef: 3

Eastern Cape

Aliwal North, Hertzogbrug Dierenkliniek

Beef: 3

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Beef: 2

Stutterheim, Stutterheim Veterinary Clinic

Beef: 3

Very high loads

Western Cape

George, George Animal Hospital

Beef: 3

Heidelberg (WC), Heidelberg Dierenkliniek

Beef: 2, 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					3.0 (1)	1.7 (3)				

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

Beef		3.0 (1)	1.7 (3)							
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Free State**Winburg, Winburg Dierekliniek**

Beef: 3

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

Beef: 1

Mooi River, Moorivier Vet Clinic

Beef: 1

Underberg, Underberg Veterinary Surgery

Beef: 3

Heartwater (Bont) ticks										▲
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape	
Average	3.0 (1)	2.4 (5)	2.4 (5)	3.0 (1)		1.9 (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	3.0 (1)	2.5 (2)	2.7 (3)	3.0 (1)		2.0 (4)	2.0 (2)			
Dairy						3.0 (1)	2.0 (1)			
Sheep		2.5 (2)	2.0 (1)			1.0 (1)	3.0 (1)			
Goat		2.0 (1)	2.0 (1)			1.7 (3)				

Mpumalanga**Lydenburg, Longtom Dierekliniek**

Beef: 3

Gauteng**Hammanskraal, Themba Animal Clinic**

Beef: 2, Sheep: 2, Goat: 2

Pretoria, Anima Veterinary Consulting Rooms

Beef: 3, Sheep: 3

Limpopo**Bela Bela, Artemis Veterinary Services**

Beef: 3

Severe tick infestations causing wounds.

Mokopane, Bundu Veterinary Services

Beef: 3

Polokwane, Pietersburg Veterinary Clinic

Beef: 2, Sheep: 2, Goat: 2

North West

Stella, Stella Dierenkliniek

Beef: 3

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Dairy: 3

Howick, Howick Veterinary Clinic

Beef: 2, Goat: 1

Mtubatuba, Mtubatuba Animal Clinic

Beef: 3, Goat: 3

Pietermaritzburg, Veterinary House Hospital

Beef: 2

Pongola, Pongola Animal Clinic

Beef: 1, Sheep: 1, Goat: 1

Eastern Cape

Alexandria, Alexandria Platteland Sprekkamer

Dairy: 2

Alexandria, Riverview Trading Vet Consulting Services

Beef: 2, Sheep: 3

Grahamstown, Ikhala Veterinary Wildlife Services

Beef: 2

Brown ear-ticks



PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.4 (5)	2.0 (1)	1.0 (4)	2.5 (2)	2.2 (5)	2.4 (5)			

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

Beef	2.4 (5)	2.0 (1)	1.0 (2)	2.5 (2)	2.2 (5)	2.4 (5)			
Sheep			1.0 (1)						
Goat			1.0 (1)						

Mpumalanga

Balfour, Balfour Dierenkliniek

Beef: 1

Lydenburg, Longtom Dierenkliniek

Beef: 3

Lydenburg, Lydenburg Dieresprekkamer

Beef: 2

Nelspruit, Nelspruit Animal Hospital

Beef: 3

Standerton, Econovet

Beef: 3

Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 2

Balfour, Balfour Dierenkliniek

Beef: 1

Lydenburg, Longtom Dierenkliniek

Beef: 3

Gauteng**Pretoria, Anima Veterinary Consulting Rooms**

Beef: 2, Sheep: 2

Limpopo**Mokopane, Bundu Veterinary Services**

Beef: 2

North West**Christiana, Christiana Dierenhospitaal**

Beef: 3

Klerksdorp, Klerksdorp Dierenhospitaal

Beef: 3, Sheep: 3

Schweizer-Reneke, Buffeloord Dierenkliniek SR

Beef: 2, Sheep: 2

Vryburg, Molopo Dierenkliniek

Beef: 2

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

Beef: 3

Bothaville, Bothaville Dierenkliniek

Beef: 3, Sheep: 3

Clocolan, Clocolan Dierenkliniek

Beef: 2

Ficksburg, Oosvrystaat Dieren Produkte

Beef: 3, Dairy: 3, Sheep: 3

Frankfort, Frankfort Dierenkliniek

Beef: 3

Hoopstad, Hoopstad Dierenkliniek

Beef: 3, Sheep: 3

Kroonstad, Kroonstad Dierenhospitaal

Beef: 3, Dairy: 3, Sheep: 3

Memel, Memel Veterinary Clinic

Beef: 2

Philippolis, Rowelsfontein veearts Spreekamer

Sheep: 2

Senekal, Senekal Dierenkliniek

Beef: 3, Dairy: 3

Viljoenskroon, Viljoenskroon Dierenkliniek

Beef: 3, Sheep: 3

Vrede, Saulshoek Dierenpraktyk

Beef: 2

Warden, Warden Dierenkliniek

Beef: 2, Sheep: 2

Wesselsbron, Wesselsbron Dierenkliniek

Sheep: 1

Winburg, Winburg Dierenkliniek

Beef: 3

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

Beef: 3

Eshowe, Eshowe Veterinary Hospital

Beef: 3

Mooi River, Mooirivier Vet Clinic

Beef: 1

Pietermaritzburg, Veterinary House Hospital

Beef: 2

Pongola, Pongola Animal Clinic

Beef: 1

Eastern Cape**Steynsburg, Steynsburg Dierehospitaal**

Sheep: 3

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

Sheep: 3

Kuruman, Kuruman Dierekliniek

Beef: 3, Sheep: 2, Goat: 2

Postmasburg, Postmasburg Dierekliniek

Beef: 2

Red-legged ticks

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

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

Beef	2.0 (2)		2.0 (3)	2.5 (8)	1.5 (2)				
Dairy				2.0 (1)					
Sheep	2.0 (1)			2.5 (4)		3.0 (1)			

Mpumalanga**Lydenburg, Longtom Dierekliniek**

Beef: 2, Sheep: 2

Lydenburg, Lydenburg Dierespreekkamer

Beef: 2

North West**Christiana, Christiana Dierehospitaal**

Beef: 3

Schweizer-Reneke, Buffeloord Dierekliniek SR

Beef: 2

Vryburg, Molopo Dierekliniek

Beef: 1

Free State**Bothaville, Bothaville Dierekliniek**

Beef: 3, Sheep: 3

Clocolan, Clocolan Dierekliniek

Beef: 2

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 2, Dairy: 2, Sheep: 2

Memel, Memel Veterinary Clinic

Beef: 3, Sheep: 2

Vrede, Saulshoek Dierepraktyk

Beef: 2

Warden, Warden Dierenkliniek

Beef: 2

Winburg, Winburg Dierenkliniek

Beef: 3

Kwazulu-Natal

Mooi River, Mooirivier Vet Clinic

Beef: 1

Pietermaritzburg, Veterinary House Hospital

Beef: 2

Eastern Cape

Steynsburg, Steynsburg Dierenhospitaal

Sheep: 3

Paralysis ticks



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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North West

Klerksdorp, Klerksdorp Dierenhospitaal

Sheep: 1

Biting lice (red lice)



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

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

Beef		1.0 (1)
Sheep		2.0 (1)

Free State

Ficksburg, Oosvrystaat Dieren Produkte

Sheep: 2

Warden, Warden Dierenkliniek

Beef: 1

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

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

Beef	2.0 (1)
Goat	2.0 (1)

North West

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 2

Northern Cape

Postmasburg, Postmasburg Dierenkliniek

Goat: 2

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

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

Sheep	1.0 (1)	3.0 (1)
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Gauteng

Pretoria, Anima Veterinary Consulting Rooms

Sheep: 1

Free State

Smithfield, Freestate Smithfield SV

Sheep: 3

Kopanong - originated from Rouxville, 30 positive out of 300 treated

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

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

Beef 1.0 (1)

Sheep	3.0 (1)
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Mpumalanga
Balfour, Balfour Dierekliniek

Beef: 1

Free State
Vrede, Saulshoek Dierepraktyk

Sheep: 3

Nuisance Flies										▲
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape	
Average	2.2 (5)			2.3 (3)	2.9 (8)	2.2 (9)		2.2 (6)		

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

Beef	2.3 (3)		2.5 (2)	2.8 (4)	2.4 (5)		1.0 (1)			
Dairy				3.0 (2)	3.0 (1)			2.7 (3)		
Sheep	2.0 (1)		2.0 (1)	3.0 (2)	2.0 (2)			2.0 (2)		
Goat	2.0 (1)				1.0 (1)					

Mpumalanga
Balfour, Balfour Dierekliniek

Beef: 2, Sheep: 2, Goat: 2

Lydenburg, Longtom Dierekliniek

Beef: 2

Nelspruit, Nelspruit Animal Hospital

Beef: 3

North West
Brits, Zodiac Dierekliniek

Beef: 2, Sheep: 2

Christiana, Christiana Dierehospitaal

Beef: 3

Free State
Bloemfontein, Dr Stephan Wessels

Beef: 3

Ficksburg, Oosvrystaat Diere Produkte

Beef: 3, Dairy: 3, Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Dairy: 3

Philippolis, Rowelsfontein veearts Spreekamer

Sheep: 3

Villiers, Wilgepoort Veedienste

Beef: 3

Warden, Warden Dierekliniek

Beef: 2

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 3

Howick, Howick Veterinary Clinic

Beef: 3, Dairy: 3

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2

Pongola, Pongola Animal Clinic

Beef: 1, Sheep: 1, Goat: 1

Underberg, Underberg Veterinary Surgery

Beef: 3, Sheep: 3

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

Dairy: 3, Sheep: 3

Malmesbury, Dr Otto Kriek

Dairy: 2

Oudtshoorn, Oudtshoorn Dierekliniek

Beef: 1, Sheep: 1

Swellendam, Swellendam Dierehospitaal

Dairy: 3

Blowflies

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (5)	2.0 (1)	1.0 (1)		2.5 (8)	1.0 (1)	2.7 (3)	1.0 (2)	

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

Beef	2.0 (2)	2.0 (1)	1.0 (1)		3.0 (2)			1.0 (1)	
Dairy					3.0 (1)				
Sheep	2.0 (2)				2.2 (5)	1.0 (1)	2.7 (3)	1.0 (1)	
Goat	2.0 (1)								

Mpumalanga**Balfour, Balfour Dierekliniek**

Beef: 2, Sheep: 2, Goat: 2

Lydenburg, Longtom Dierekliniek

Sheep: 2

Lydenburg, Lydenburg Dieresprekkamer

Beef: 2

Gauteng**Hammanskraal, Themba Animal Clinic**

Beef: 2

Limpopo**Mokopane, Bundu Veterinary Services**

Beef: 1

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

Eastern Cape									
Alexandria, Riverview Trading Vet Consulting Services									
Beef: 2, Sheep: 2									
Nasal bot larvae									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	3.0 (2)	3.0 (1)			2.5 (10)				

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

Sheep	3.0 (2)	3.0 (1)		2.5 (10)					
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Mpumalanga									
Lydenburg, Longtom Dierenkliniek									
Sheep: 3									
Standerton, Econovet									
Sheep: 3									
Gauteng									
Pretoria, Anima Veterinary Consulting Rooms									
Sheep: 3									
Free State									
Bethlehem, Union Street Animal Consulting Rooms									
Sheep: 1									
Bothaville, Bothaville Dierenkliniek									
Sheep: 3									
Excelsior, Weltevreden Dierenkliniek									
Sheep: 3									
Ficksburg, Oosvrystaat Dieren Produkte									
Sheep: 3									
Hoopstad, Hoopstad Dierenkliniek									
Sheep: 3									
Reitz, Riemland Dierenhospitaal									
Sheep: 2									
Senekal, Senekal Dierenkliniek									
Sheep: 3									
Villiers, Wilgepoort Veedienste									
Sheep: 3									
Warden, Warden Dierenkliniek									
Sheep: 2									
Wesselsbron, Wesselsbron Dierenkliniek									
Sheep: 2									

Midges									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.6 (8)	3.0 (3)		2.3 (3)	2.6 (10)	2.2 (5)	3.0 (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 (4)	3.0 (1)	3.0 (2)	2.8 (5)	2.3 (3)		
Dairy			1.0 (1)			3.0 (1)	
Sheep	2.7 (3)	3.0 (2)		2.4 (5)	2.0 (2)	3.0 (1)	3.0 (1)
Goat	3.0 (1)				3.0 (1)		

Mpumalanga

Balfour, Balfour Dierenkliniek

Beef: 3, Sheep: 3, Goat: 3

Lydenburg, Longtom Dierenkliniek

Beef: 2, Sheep: 2

Lydenburg, Lydenburg Dieresprekkamer

Beef: 2

Standerton, Econovet

Beef: 3, Sheep: 3

Gauteng

Bapsfontein, Bapsfontein Dierenhospitaal

Beef: 3, Sheep: 3

Nigel, Nigel Dieren Spreekamer

Sheep: 3

North West

Christiana, Christiana Dierenhospitaal

Beef: 3

Leeudoringstad, Leeudoringstad Dierenkliniek

Beef: 3

Vryburg, Molopo Dierenkliniek

Dairy: 1

Free State

Bloemfontein, Dr Stephan Wessels

Sheep: 3

Clocolan, Clocolan Dierenkliniek

Beef: 3

Hoopstad, Hoopstad Dierenkliniek

Beef: 3, Sheep: 3

Villiers, Wilgepoort Veedienste

Beef: 3, Sheep: 2

Warden, Warden Dierenkliniek

Beef: 2, Sheep: 2

Wesselsbron, Wesselsbron Dierenkliniek

Sheep: 2

Winburg, Winburg Dierenkliniek

Beef: 3

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 3

Mooi River, Moorivier Vet Clinic

Beef: 2, Sheep: 2

Underberg, Underberg Veterinary Surgery

Beef: 2, Sheep: 2

Eastern Cape

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Sheep: 3, Goat: 3

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

Dairy: 3, Sheep: 3

Mosquitoes										
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape	
Average	3.0 (4)			2.0 (3)	2.9 (8)	3.0 (1)				

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

Beef	3.0 (2)		2.0 (2)	2.8 (5)	3.0 (1)					
Dairy			2.0 (1)	3.0 (1)						
Sheep	3.0 (2)			3.0 (2)						

Mpumalanga**Lydenburg, Longtom Dierenkliniek**

Beef: 3, Sheep: 3

Standerton, Econovet

Beef: 3, Sheep: 3

North West**Leeudoringstad, Leeudoringstad Dierenkliniek**

Beef: 3

Vryburg, Molopo Dierenkliniek

Beef: 1, Dairy: 2

Free State**Clocolan, Clocolan Dierenkliniek**

Beef: 3

Ficksburg, Oosvrystaat Diere Produkte

Beef: 3, Dairy: 3, Sheep: 3

Hoopstad, Hoopstad Dierenkliniek

Beef: 3, Sheep: 3

Villiers, Wilgepoort Veedienste

Beef: 3

Wesselsbron, Wesselsbron Dierenkliniek

Beef: 2

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

Beef: 3

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

Average	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

Pongola, Pongola Animal Clinic

Beef: 1

Nagana

Tick-borne Diseases

African red water										▲
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape	
Average	2.5 (4)	2.0 (2)	2.0 (1)	2.0 (4)	1.8 (9)	2.2 (13)	1.5 (2)	2.4 (5)		

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

Beef	2.5 (4)	2.0 (2)	2.0 (1)	2.0 (4)	1.8 (9)	2.2 (10)	2.0 (1)	2.3 (3)	
Dairy						2.0 (3)	1.0 (1)	2.5 (2)	

Mpumalanga

Hendrina, Mooiplaas Veterinäre Dienste

Beef: 3

Lydenburg, Longtom Dierenkliniek

Beef: 2

Lydenburg, Lydenburg Dieresprekkamer

Beef: 2

Standerton, Econovet

Beef: 3

Gauteng

Bapsfontein, Bapsfontein Dierenhospitaal

Beef: 2

Magaliesburg, Magaliesburg; Dr Ryan Jeffrey

Beef: 2

Limpopo

Polokwane, Pietersburg Veterinary Clinic

Beef: 2

North West

Brits, Brits Dierenkliniek

Beef: 2

Klerksdorp, Klerksdorp Dierenhospitaal

Beef: 1

Lichtenburg, Dr CM Kruger-Rall

Beef: 3

Potchefstroom, Morvet

Beef: 2

Free State

Bothaville, Bothaville Dierekliniek

Beef: 1

One camp infected with cattle (speculate) bought from Vryburg-area. Now adjacent camp is also positive

Ficksburg, Oosvrystaat Diere Produkte

Beef: 1

Frankfort, Frankfort Dierekliniek

Beef: 3

Harrismith, Harrismith Dierehospitaal

Beef: 2

Reitz, Riemland Dierehospitaal

Beef: 2

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 1

Villiers, Wilgepoort Veedienste

Beef: 2

Warden, Warden Dierekliniek

Beef: 2

Winburg, Winburg Dierekliniek

Beef: 2

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

Beef: 2

Dundee, Endumeni Herd health

Beef: 2, Dairy: 2

Estcourt, Estcourt Vet Clinic

Dairy: 1

Howick, Howick Veterinary Clinic

Beef: 3, Dairy: 3

Kokstad, E.G.Veterinary Services

Beef: 3

Mooi River, Moirivier 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: 3

Always a problem this time of year

Vryheid, Vryheid Privaat Veeartse

Beef: 2

Eastern Cape**Queenstown, Queenstown Veterinary clinic**

Beef: 2

Somerset East, Bosberg Veterinary Clinic

Dairy: 1

Western Cape**Ceres, Ceres Veterinary Hospital**

Beef: 2

Herd with red water

George, George Animal Hospital

Beef: 2, Dairy: 2

Heidelberg (WC), Heidelberg Dierekliniek

Dairy: 3

Wellington, Wellington Dierehospitaal

Beef: 3

Asiatic red water										▲
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape	
Average	2.4 (7)	2.3 (4)		2.5 (2)	2.3 (8)	2.2 (13)	1.8 (5)	2.0 (1)		

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

Beef	2.4 (7)	2.3 (4)		2.5 (2)	2.3 (8)	2.2 (10)	1.8 (5)	2.0 (1)		
Dairy						2.0 (3)				

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 2

Bethal, Bethal Dierekliniek

Beef: 1

Ermelo, Môregloed Veterinêre Spreekkamer

Beef: 3

Hendrina, Mooiplaas Veterinêre Dienste

Beef: 3

Lydenburg, Longtom Dierekliniek

Beef: 2

Standerton, Econovet

Beef: 3

Volksrust, Cape Cross Volksrust Dierehospitaal

Beef: 3

Asiatic red water in one year old heifers, 3 died, 10 diseased

Gauteng

Bapsfontein, Bapsfontein Dierehospitaal

Beef: 2

Bronkhorstspruit, Kerkstraat Dierekliniek

Beef: 2

Muldersdrift, Muldersdrift Animal Hospital

Beef: 2

In couple of cattle on 3 farms

Nigel, Nigel Diere Spreekkamer

Beef: 3

North West

Brits, Brits Dierekliniek

Beef: 2

Lichtenburg, Dr CM Kruger-Rall

Beef: 3

Free State

Frankfort, Frankfort Dierekliniek

Beef: 3

Harrismith, Harrismith Dierehospitaal

Beef: 2

Parys, Parys Dierehospitaal

Beef: 3

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 1

Villiers, Wilgepoort Veedienste

Beef: 2

Vrede, Saulshoek Dierepraktyk

Beef: 2

Vrede, Vrede Dierehospitaal

Beef: 3

Winburg, Winburg Dierekliniek

Beef: 2

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

Beef: 2

Bergville, Tugela Vet Clinic

Beef: 2

Dundee, Endumeni Herd health

Beef: 2, Dairy: 2

Eshowe, Eshowe Veterinary Hospital

Beef: 3

Estcourt, Estcourt Vet Clinic

Beef: 1, Dairy: 2

Howick, Howick Veterinary Clinic

Beef: 2, Dairy: 2

Kokstad, E.G.Veterinary Services

Beef: 3

Mooi River, Mooirivier Vet Clinic

Beef: 2

Pietermaritzburg, Veterinary House Hospital

Beef: 2

Underberg, Underberg Veterinary Surgery

Beef: 3

Always a problem this time of year

Eastern Cape**Adelaide, Adelaide Veterinary Clinic**

Beef: 2

Cerebral red water, cattle returning from Eastern Cape coastal grazing

Alexandria, Alexandria Platteland Spreekamer

Beef: 2

Dr. Thys Potgieter reporting

Humansdorp, Humansdorp Veterinary Clinic

Beef: 2

Queenstown, Queenstown Veterinary clinic

Beef: 2

Uitenhage, Uitenhage Dierehospitaal

Beef: 1

Western Cape**Oudtshoorn, Oudtshoorn Dierekliniek**

Beef: 2

Anaplasmosis

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
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Average	1.7 (6)	2.0 (4)	2.2 (6)	1.9 (20)	2.2 (9)	1.8 (5)	1.8 (6)	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	1.6 (5)	2.0 (4)	2.4 (5)	1.9 (20)	2.0 (6)	1.8 (4)	1.8 (4)	2.0 (1)
Dairy	2.0 (1)		1.0 (1)		2.7 (3)	2.0 (1)	2.0 (2)	

Mpumalanga

Bethal, Bethal Dierekliniek

Dairy: 2

Ermelo, Môregloed Veterinêre Spreekkamer

Beef: 2

Grootvlei, Grootvlei Dierekliniek

Beef: 1

Hendrina, Mooiplaas Veterinêre Dienste

Beef: 2

Lydenburg, Lydenburg Dierespreekkamer

Beef: 1

Middelburg, Neil Fourie Veeartsenydienste

Beef: 2

Gauteng

Bronkhorstspruit, Kerkstraat Dierekliniek

Beef: 1

Magaliesburg, Magaliesburg; Dr Ryan Jeffrey

Beef: 3

Nigel, Nigel Diere Spreekkamer

Beef: 3

Pretoria, Anima Veterinary Consulting Rooms

Beef: 1

North West

Christiana, Christiana Dierehospitaal

Beef: 3

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 2

Potchefstroom, Morvet

Beef: 3

Schweizer-Reneke, Buffeloord Dierenkliniek SR

Beef: 2

Vryburg, Molopo Dierenkliniek

Beef: 2, Dairy: 1

Free State

Bethlehem, Bethlehem Animal Hospital

Beef: 1

Bloemfontein, Dr Stephan Wessels

Beef: 2

Bothaville, Bothaville Dierenkliniek

Beef: 1

Bultfontein, Greylingsrust Dierespreekkamer

Beef: 2

Clocolan, Clocolan Dierenkliniek

Beef: 2

Dewetsdorp, Platkop Dierenkliniek

Beef: 2
Excelsior, Weltevrede Dierekliniek
Beef: 2
Ficksburg, Oosvrystaat Diere Produkte
Beef: 1
Frankfort, Frankfort Dierekliniek
Beef: 2
Hoopstad, Hoopstad Dierekliniek
Beef: 3
Kroonstad, Kroonstad Dierehospitaal
Beef: 2
Parys, Parys Dierehospitaal
Beef: 3
Senekal, Senekal Dierekliniek
Beef: 2
Smithfield, Freestate Smithfield SV
Beef: 2
Kopanong - 4 cases, one died, 3 treated; Kaalspruit, one died, 3 treated
Viljoenskroon, Viljoenskroon Dierekliniek
Beef: 2
Villiers, Wilgepoort Veedienste
Beef: 2
Vrede, Vrede Dierehospitaal
Beef: 2
Warden, Warden Dierekliniek
Beef: 1
Wesselsbron, Wesselsbron Dierekliniek
Beef: 1
Winburg, Winburg Dierekliniek
Beef: 2
Kwazulu-Natal
Bergville, Bergville Veterinary Clinic
Beef: 2
Dundee, Endumeni Herd health
Beef: 1, Dairy: 3
Estcourt, Estcourt Vet Clinic
Dairy: 2
Howick, Howick Veterinary Clinic
Dairy: 3
Kokstad, E.G.Veterinary Services
Beef: 3
Newcastle, Ncanduvet Newcastle
Beef: 1
Pietermaritzburg, Veterinary House Hospital
Beef: 2
Underberg, Underberg Veterinary Surgery
Beef: 3
Eastern Cape
Alexandria, Alexandria Platteland Spreekamer
Dairy: 2
Aliwal North, Hertzogbrug Dierekliniek
Beef: 3
Graaff-Reinet, Graaff Reinet Veterinary Clinic
Beef: 1
Queenstown, Queenstown Veterinary clinic

Rustenburg, Bergbos Dierekliniek

Beef: 2

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

Beef: 2

Camperdown, Camperdown Vet Clinic

Beef: 1

Eshowe, Eshowe Veterinary Hospital

Beef: 2

Estcourt, Estcourt Vet Clinic

Beef: 2, Goat: 3

Howick, Howick Veterinary Clinic

Goat: 2

Mtubatuba, Mtubatuba Animal Clinic

Beef: 3, Goat: 2

Pongola, Pongola Animal Clinic

Beef: 1, Sheep: 1, Goat: 1

Eastern Cape**Bathurst, Dr Jane Pistorius**

Goat: 2

Four cases

Somerset East, Bosberg Veterinary Clinic

Dairy: 1

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

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

Beef		1.0 (2)	1.5 (2)	2.0 (4)	1.7 (3)					1.0 (1)
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Gauteng**Hammanskraal, Themba Animal Clinic**

Beef: 1

Nigel, Nigel Diere Spreekkamer

Beef: 1

Limpopo**Mokopane, Bundu Veterinary Services**

Beef: 1

Polokwane, Pietersburg Veterinary Clinic

Beef: 2

North West**Brits, Brits Dierekliniek**

Beef: 2

Christiana, Christiana Dierehospitaal

Beef: 3

Rustenburg, Bergbos Dierekliniek

Beef: 2

Schweizer-Reneke, Buffeloord Dierekliniek SR

Beef: 1
Free State
Clocolan, Clocolan Dierekliniek
Beef: 1
Hoopstad, Hoopstad Dierekliniek
Beef: 3
Senekal, Senekal Dierekliniek
Beef: 1
Northern Cape
Postmasburg, Postmasburg Dierekliniek
Beef: 1

Insect Transmittable Diseases

Lumpy skin disease										▲
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape	
Average	1.7 (3)	2.5 (2)	2.0 (2)	1.0 (1)	2.1 (15)	1.5 (8)				3.0 (1)
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported										
Beef	1.7 (3)	2.5 (2)	2.0 (2)	1.0 (1)	2.1 (14)	1.5 (8)				3.0 (1)
Dairy					2.0 (1)					

Mpumalanga
Hendrina, Mooiplaas Veterinêre Dienste
Beef: 1
Standerton, Econovet
Beef: 2
Volksrust, Cape Cross Volksrust Dierehospitaal
Beef: 2
Two farms, 5 cattle
Gauteng
Hammanskraal, Themba Animal Clinic
Beef: 2
Nigel, Nigel Diere Spreekamer
Beef: 3
Limpopo
Polokwane, Pietersburg Veterinary Clinic
Beef: 3
Vaalwater, Vaalwater Dieresprekkamer
Beef: 1
North West
Christiana, Christiana Dierehospitaal
Beef: 1
Free State
Bloemfontein, Dr Stephan Wessels
Beef: 1
Bothaville, Bothaville Dierekliniek

Beef: 1									
Clocolan, Clocolan Dierekliniek									
Beef: 2, Dairy: 2									
Ficksburg, Oosvrystaat Diere Produkte									
Beef: 3									
Severe in Lesotho, not in Ficksburg area									
Frankfort, Frankfort Dierekliniek									
Beef: 2									
Harrismith, Harrismith Dierehospitaal									
Beef: 3									
Hoopstad, Hoopstad Dierekliniek									
Beef: 3									
Memel, Memel Veterinary Clinic									
Beef: 2									
Reitz, Riemland Dierehospitaal									
Beef: 2									
Senekal, Senekal Dierekliniek									
Beef: 2									
Viljoenskroon, Viljoenskroon Dierekliniek									
Beef: 2									
Villiers, Wilgepoort Veedienste									
Beef: 2									
Vrede, Vrede Dierehospitaal									
Beef: 1									
Winburg, Winburg Dierekliniek									
Beef: 3									
Kwazulu-Natal									
Bergville, Bergville Veterinary Clinic									
Beef: 2									
Dundee, Endumeni Herd health									
Beef: 2									
Kokstad, E.G.Veterinary Services									
Beef: 2									
Mount Frere area									
Mooi River, Mooirivier Vet Clinic									
Beef: 1									
Mtubatuba, Mtubatuba Animal Clinic									
Beef: 2									
Newcastle, Ncanduvet Newcastle									
Beef: 1									
Pongola, Pongola Animal Clinic									
Beef: 1									
Underberg, Underberg Veterinary Surgery									
Beef: 1									
Northern Cape									
Colesberg, Karoo Veterinary Hospital									
Beef: 3									
Three-day-stiffsickness									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape

Average	1.7 (6)	1.0 (2)	2.3 (7)	2.7 (31)	1.9 (9)	2.0 (2)	2.5 (2)
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Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef	1.7 (6)	1.0 (2)	2.3 (7)	2.7 (23)	1.9 (7)	2.0 (2)	2.5 (2)
Dairy				2.6 (8)	2.0 (2)		

Mpumalanga

Balfour, Balfour Dierenkliniek

Beef: 1

Ermelo, Môregloed Veterinêre Spreekamer

Beef: 2

Grootvlei, Grootvlei Dierenkliniek

Beef: 2

Hendrina, Mooiplaas Veterinêre Dienste

Beef: 1

Middelburg, Neil Fourie Veeartsenydienste

Beef: 1

Standerton, Econovet

Beef: 3

Gauteng

Bapsfontein, Bapsfontein Dierenhospitaal

Beef: 1

Pretoria, Anima Veterinary Consulting Rooms

Beef: 1

North West

Christiana, Christiana Dierenhospitaal

Beef: 3

Klerksdorp, Klerksdorp Dierenhospitaal

Beef: 1

Leeudoringstad, Leeudoringstad Dierenkliniek

Beef: 3

Lichtenburg, Dr CM Kruger-Rall

Beef: 3

Potchefstroom, Morvet

Beef: 3

Deaths occurred

Ventersdorp, Ventersdorp Dierenkliniek

Beef: 2

Vryburg, Molopo Dierenkliniek

Beef: 1

Free State

Bethlehem, Union Street Animal Consulting Rooms

Beef: 3, Dairy: 2

Bloemfontein, Dr Stephan Wessels

Beef: 3

Bothaville, Bothaville Dierenkliniek

Beef: 2

Bultfontein, Greylingsrust Dierespreekamer

Beef: 3

Clocolan, Clocolan Dierenkliniek

Beef: 3, Dairy: 3
Dewetsdorp, Platkop Dierekliniek
Beef: 3
Excelsior, Weltevrede Dierekliniek
Beef: 3, Dairy: 3
Ficksburg, Oosvrystaat Diere Produkte
Beef: 3
Severe in Ficksburg area and Lesotho
Dairy: 3
Frankfort, Frankfort Dierekliniek
Beef: 3
Gariepdam, Gariep Dierekliniek
Beef: 3
Ten cases
Harrismith, Harrismith Dierehospitaal
Beef: 1
Suspected
Hoopstad, Hoopstad Dierekliniek
Beef: 3
Kroonstad, Kroonstad Dierehospitaal
Beef: 3, Dairy: 2
Memel, Memel Veterinary Clinic
Beef: 2
Reitz, Riemland Dierehospitaal
Beef: 3, Dairy: 3
Senekal, Senekal Dierekliniek
Beef: 3, Dairy: 3
Smithfield, Freestate Smithfield SV
Beef: 2
Reddersburg - 2 cases
Viljoenskroon, Viljoenskroon Dierekliniek
Beef: 3
Villiers, Wilgepoort Veedienste
Beef: 3
Vrede, Saulshoek Dierepraktyk
Beef: 2
Vrede, Vrede Dierehospitaal
Beef: 2
Warden, Warden Dierekliniek
Beef: 3
Wesselsbron, Wesselsbron Dierekliniek
Beef: 3, Dairy: 2
Kwazulu-Natal
Bergville, Bergville Veterinary Clinic
Beef: 3
Bergville, Tugela Vet Clinic
Beef: 2
Dundee, Endumeni Herd health
Beef: 2, Dairy: 2
Howick, Howick Veterinary Clinic
Beef: 2, Dairy: 2
Mooi River, Mooirivier Vet Clinic
Beef: 1
Newcastle, Ncanduvet Newcastle
Beef: 2

Pongola, Pongola Animal Clinic

Beef: 1

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

Beef: 1

Steynsburg, Steynsburg Dierehospitaal

Beef: 3

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

Beef: 2

Reported by farmers

Kimberley, Kimberley Dierekliniek

Beef: 3

Blue tongue										▲
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape	
Average	2.9 (9)	2.9 (7)	1.5 (2)	2.8 (6)	2.7 (24)	2.2 (5)	2.7 (9)	2.0 (9)	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	1.5 (2)					1.0 (1)			
Dairy						3.0 (1)			
Sheep	2.9 (9)	2.9 (7)	1.5 (2)	3.0 (5)	2.8 (22)	2.2 (5)	2.6 (8)	2.1 (8)	2.6 (5)
Goat			2.0 (1)						

Mpumalanga**Balfour, Balfour Dierekliniek**

Sheep: 3

Bethal, Bethal Dierekliniek

Sheep: 3

Ermelo, Môregloed Veterinêre Spreekkamer

Sheep: 3

Grootvlei, Grootvlei Dierekliniek

Sheep: 2

Hendrina, Mooiplaas Veterinêre Dienste

Sheep: 3

Lydenburg, Longtom Dierekliniek

Sheep: 3

Middelburg, Neil Fourie Veeartsenydienste

Sheep: 3

Standerton, Econovet

Sheep: 3

Volksrust, Cape Cross Volksrust Dierehospitaal

Sheep: 3

Two farms, 20-30 sheep

Gauteng**Bapsfontein, Bapsfontein Dierehospitaal**

Sheep: 3

Magaliesburg, Magaliesburg; Dr Ryan Jeffrey

Sheep: 3

Muldersdrift, Muldersdrift Animal Hospital

Sheep: 3

In addition respiratory clinical signs with lameness

Nigel, Nigel Diere Spreekamer

Sheep: 3

Pretoria, Anima Veterinary Consulting Rooms

Sheep: 3

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Sheep: 2

Five cases

Rayton, Rayton Dierenkliniek

Sheep: 3

Limpopo

Mokopane, Bundu Veterinary Services

Sheep: 2

Polokwane, Pietersburg Veterinary Clinic

Sheep: 1

North West

Brits, Brits Dierenkliniek

Sheep: 3

Brits, Zodiac Dierenkliniek

Sheep: 3, Goat: 2

Christiana, Christiana Dierenhospitaal

Sheep: 3

Ottosdal, Lakenvlei Dierenhospitaal

Sheep: 3

In flocks, not vaccinated

Potchefstroom, Morvet

Sheep: 3

Free State

Bethlehem, Bethlehem Animal Hospital

Sheep: 2

Bloemfontein, Dr Stephan Wessels

Sheep: 3

Bloemfontein, University Free State

Sheep: 2

Bothaville, Bothaville Dierenkliniek

Sheep: 3

Bultfontein, Greylingsrust Dierespreekamer

Beef: 2, Sheep: 3

Ciocolan, Ciocolan Dierenkliniek

Sheep: 2

Dewetsdorp, Platkop Dierenkliniek

Sheep: 3

Excelsior, Weltevreden Dierenkliniek

Sheep: 3

Ficksburg, Oosvrystaat Dieren Produkte

Sheep: 3

Frankfort, Frankfort Dierenkliniek

Sheep: 3

Gariepdam, Gariep Dierenkliniek

Sheep: 2

Hoopstad, Hoopstad Dierekliniek

Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Sheep: 3

Memel, Memel Veterinary Clinic

Sheep: 3

Reitz, Riemland Dierehospitaal

Sheep: 2

Senekal, Senekal Dierekliniek

Sheep: 3

Villiers, Wilgepoort Veedienste

Sheep: 3

Vrede, Saulshoek Dierepraktyk

Sheep: 3

Vrede, Vrede Dierehospitaal

Sheep: 3

Warden, Warden Dierekliniek

Beef: 1, Sheep: 3

Wesselsbron, Wesselsbron Dierekliniek

Sheep: 3

Winburg, Winburg Dierekliniek

Sheep: 3

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

Sheep: 1

Dundee, Endumeni Herd health

Sheep: 2

Estcourt, Estcourt Vet Clinic

Sheep: 3

Kokstad, E.G.Veterinary Services

Sheep: 3

Rural sheep

Underberg, Underberg Veterinary Surgery

Sheep: 2

A number of farms have been mildly affected by BT, with a few deaths recorded but not in any outbreak form.
Farmers do not vaccinate due to pregnancy

Eastern Cape**Adelaide, Adelaide Veterinary Clinic**

Sheep: 3

Weaner lambs

Aliwal North, Hertzogbrug Dierekliniek

Sheep: 2

Cradock, Cradock Veterinary Clinic

Sheep: 3

Many aberant clinical signs

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Sheep: 3

Humansdorp, Humansdorp Veterinary Clinic

Sheep: 2

Jeffreys Bay, Cape Cross Veterinary Hospital

Dairy: 3

More than 10 calves

Steynsburg, Steynsburg Dierehospitaal

Sheep: 3

Stutterheim, Stutterheim Veterinary Clinic



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



Mpumalanga

Ermelo, Môregloed Veterinêre Spreekkamer

Beef: 3

Grootvlei, Grootvlei Dierenkliniek

Beef: 2

Lydenburg, Lydenburg Dierespreekkamer

Beef: 1

Not a new infection

Volksrust, Cape Cross Volksrust Dierenhospitaal

Beef: 2

Two farms, 4 bulls

North West

Stella, Stella Dierenkliniek

Beef: 3

Vryburg, Molopo Dierenkliniek

Beef: 2

Free State

Frankfort, Frankfort Dierenkliniek

Beef: 3

Hoopstad, Hoopstad Dierenkliniek

Beef: 3

Memel, Memel Veterinary Clinic

Beef: 2

Senekal, Senekal Dierenkliniek

Beef: 2

Villiers, Wilgepoort Veedienste

Beef: 3

Vrede, Saulshoek Dierenpraktijk

Beef: 2

Winburg, Winburg Dierenkliniek

Beef: 2

Kwazulu-Natal

Dundee, Endumeni Herd health

Beef: 1

Howick, Howick Veterinary Clinic

Beef: 1

Eastern Cape

Queenstown, Queenstown Veterinary clinic

Beef: 1

Vibriosis



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

Volksrust, Cape Cross Volksrust Dierehospitaal

Beef: 1

North West

Stella, Stella Dierenkliniek

Beef: 3

Vryburg, Molopo Dierenkliniek

Beef: 1

Free State

Frankfort, Frankfort Dierenkliniek

Beef: 2

Viljoenskroon, Viljoenskroon Dierenkliniek

Beef: 1

Villiers, Wilgepoort Veedienste

Beef: 2

Winburg, Winburg Dierenkliniek

Beef: 2

Kwazulu-Natal

Howick, Howick Veterinary Clinic

Beef: 2

Underberg, Underberg Veterinary Surgery

Beef: 1

Eastern Cape

Queenstown, Queenstown Veterinary clinic

Beef: 2

Northern Cape

Kuruman, Kuruman Dierenkliniek

Beef: 2

Bacterial Disease (other)

Blackquarter									▲
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (2)	1.3 (4)		2.0 (4)	1.5 (12)	1.7 (7)			

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

Beef	2.0 (2)	1.3 (4)		2.0 (4)	1.5 (11)	1.8 (5)			
Dairy						1.5 (2)			

Sheep	1.0 (1)
Mpumalanga	
Grootvlei, Grootvlei Dierekliniek	
Beef: 2	
Lydenburg, Longtom Dierekliniek	
Beef: 2	
Gauteng	
Bapsfontein, Bapsfontein Dierehospitaal	
Beef: 1	
Bronkhorstspruit, Kerkstraat Dierekliniek	
Beef: 2	
Hammanskraal, Themba Animal Clinic	
Beef: 1	
Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic	
Beef: 1	
Malignant oedema 1; Clostridial infection 1	
North West	
Brits, Brits Dierekliniek	
Beef: 2	
Klerksdorp, Klerksdorp Dierehospitaal	
Beef: 1	
Potchefstroom, Morvet	
Beef: 3	
Schweizer-Reneke, Buffeloord Dierekliniek SR	
Beef: 2	
Free State	
Bethlehem, Bethlehem Animal Hospital	
Beef: 3	
Bethlehem, Union Street Animal Consulting Rooms	
Beef: 1	
Bothaville, Bothaville Dierekliniek	
Beef: 1	
Ficksburg, Oosvrystaat Diere Produkte	
Beef: 1	
Memel, Memel Veterinary Clinic	
Beef: 1, Sheep: 1	
Reitz, Riemland Dierehospitaal	
Beef: 2	
Vrede, Saulshoek Dierepraktyk	
Beef: 2	
Vrede, Vrede Dierehospitaal	
Beef: 2	
Clostridial infections	
Warden, Warden Dierekliniek	
Beef: 1	
Wesselsbron, Wesselsbron Dierekliniek	
Beef: 1	
Winburg, Winburg Dierekliniek	
Beef: 2	
Kwazulu-Natal	
Bergville, Bergville Veterinary Clinic	
Beef: 2	
Estcourt, Estcourt Vet Clinic	
Beef: 1, Dairy: 1	

Howick, Howick Veterinary Clinic

Beef: 2, Dairy: 2

Pietermaritzburg, Veterinary House Hospital

Beef: 2

Vryheid, Vryheid Privaat Veeartse

Beef: 2

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

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

Gauteng**Bronkhorstspruit, Kerkstraat Dierekliniek**

Beef: 1

Free State**Bloemfontein, Dr Stephan Wessels**

Beef: 1

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

Beef: 1

Newcastle, Ncanduvet Newcastle

Beef: 1

Northern Cape**Postmasburg, Postmasburg Dierekliniek**

Beef: 2

Pulpy Kidney										^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape	
Average	1.7 (3)	2.0 (1)		2.0 (1)	2.3 (9)	2.0 (1)	3.0 (1)	1.0 (2)	2.5 (2)	
Sheep	1.7 (3)	2.0 (1)		2.0 (1)	2.3 (9)	2.0 (1)	3.0 (1)	1.0 (2)	2.5 (2)	

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

Sheep	1.7 (3)	2.0 (1)		2.0 (1)	2.3 (9)	2.0 (1)	3.0 (1)	1.0 (2)	2.5 (2)	
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Mpumalanga**Ermelo, Môregloed Veterinêre Spreekamer**

Sheep: 1

Lydenburg, Longtom Dierekliniek

Sheep: 2

Nelspruit, Nelspruit Animal Hospital

Sheep	3.0 (1)	1.0 (1)	3.0 (1)
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Gauteng

Nigel, Nigel Diere Sprekkamer

Sheep: 3

Free State

Kroonstad, Kroonstad Dierehospitaal

Sheep: 1

Eastern Cape

Steynsburg, Steynsburg Dierehospitaal

Sheep: 3

Swelled head disease



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

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

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

Gauteng

Bronkhorstspruit, Kerkstraat Dierekliniek

Beef: 2

North West

Brits, Zodiac Dierekliniek

Sheep: 1

Free State

Bultfontein, Greylingsrust Dieresprekkamer

Sheep: 2

Vrede, Saulshoek Dierepraktyk

Beef: 1

Kwazulu-Natal

Vryheid, Vryheid Privaat Veeartse

Beef: 2

Red gut (cattle)



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

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

Beef	1.0 (1)
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Dairy	2.0 (1)	2.0 (1)							
Kwazulu-Natal									
Dundee, Endumeni Herd health									
Dairy: 2									
Newcastle, Ncanduvet Newcastle									
Beef: 1									
Eastern Cape									
Alexandria, Alexandria Platteland Spreekkamer									
Dairy: 2									
Blood gut (Sheep)									
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

Sheep	1.5 (2)	1.0 (1)	1.5 (2)
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Free State

Warden, Warden Dierenkliniek

Sheep: 2

Wesselsbron, Wesselsbron Dierenkliniek

Sheep: 1

Eastern Cape

Uitenhage, Uitenhage Dierehospitaal

Sheep: 1

Western Cape

Heidelberg (WC), Heidelberg Dierenkliniek

Sheep: 2

Worchester, Du

Worcester, Durban Strait Dierckxmeer West

Sheet 1

Tetanus

1

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

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

Sheep	1.0 (1)	1.0 (1)
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Free State

Reitz, Riemland Dierenhospitaal

Sheep: 1

Kwazulu-Natal

Newcastle, Ncanduvet Newcastle

Sheep: 1

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

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

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

Gauteng**Bronkhorstspruit, Kerkstraat Dierekliniek**

Beef: 2

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

Sheep: 2

Western Cape**Darling, Tygerberg Dierehospitaal Darling**

Beef: 1

Brucella abortus										^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape	
Average	3.0 (1)		1.0 (1)	2.7 (7)	2.2 (6)	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)	2.7 (7)	2.2 (6)	1.0 (1)	1.0 (1)
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Mpumalanga**Ermelo, Môregloed Veterinêre Spreekkamer**

Beef: 3

Limpopo**Polokwane, Pietersburg Veterinary Clinic**

Beef: 1

North West**Brits, Brits Dierekliniek**

Beef: 3

Christiana, Christiana Dierehospitaal

Beef: 3

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 3

Lichtenburg, Dr CM Kruger-Rall

Beef: 3

76 cases

Stella, Stella Dierekliniek

Beef: 3

Vryburg, Molopo Dierekliniek

Beef: 1

Vryburg, Vryburg Prov Vet Laboratory

Beef: 3

A Total of 50 herds, 4702 animals tested. 16 Positive herds: Naledi = 8/25 herds (8 positive herds out of 25 herds tested), Mamusa = 3/3 herds, Mafikeng = 1/3 herds, Lekwa Teemane = 0/3 herds, Greater Taung = 0/0 herds, Kagisano = 2/9 herds, Molopo = 2/7 herds. (Titre: 18-24 = 37 animals. Titre: 30-49 = 33 animals. Titre: >60 = 250 animals)

Free State**Bothaville, Bothaville Dierekliniek**

Beef: 2

Hoopstad, Hoopstad Dierekliniek

Beef: 3

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 1

Villiers, Wilgepoort Veedienste

Beef: 3

Vrede, Saulshoek Dierepraktyk

Beef: 2

Warden, Warden Dierekliniek

Beef: 2

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

Beef: 1

Northern Cape**Kimberley, Kimberley Dierekliniek**

Beef: 1

Brucella ovis

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)

Mpumalanga**Ermelo, Môregloed Veterinêre Spreekkamer**

Sheep: 2

Bovine Tuberculosis

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

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

Beef	1.0 (1)
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Limpopo
Polokwane, Pietersburg Veterinary Clinic

Beef: 1

Pseudomonas										▲
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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Mpumalanga
Ermelo, Môregloed Veterinêre Spreekkamer

Sheep: 1

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

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

Sheep	2.0 (2)
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Free State
Bothaville, Bothaville Dierenkliniek

Sheep: 2

Warden, Warden Dierenkliniek

Sheep: 2

E. coli										▲
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape	
Average	1.5 (4)			2.5 (4)	2.3 (20)	2.0 (2)	2.5 (2)	2.0 (2)	1.0 (1)	

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

Beef	1.3 (3)		3.0 (2)	2.1 (8)	2.0 (2)	
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Dairy			2.0 (2)		3.0 (1)	
Sheep	2.0 (1)		2.0 (2)	2.5 (10)	2.5 (2)	1.0 (1)

Mpumalanga

Balfour, Balfour Dierenkliniek

Beef: 1

Ermelo, Môregloed Veterinêre Spreekamer

Beef: 2, Sheep: 2

Hendrina, Mooiplaas Veterinêre Dienste

Beef: 1

North West

Christiana, Christiana Dierenhospitaal

Sheep: 1

Klerksdorp, Klerksdorp Dierenhospitaal

Beef: 3, Sheep: 3

Leeudoringstad, Leeudoringstad Dierenkliniek

Beef: 3

Antibiotic resistance, 2 month old calves

Free State

Bloemfontein, Dr Stephan Wessels

Sheep: 3

Bothaville, Bothaville Dierenkliniek

Beef: 1

Ciocolan, Ciocolan Dierenkliniek

Beef: 2

Dewetsdorp, Platkop Dierenkliniek

Sheep: 3

Ficksburg, Oosvrystaat Diere Produkte

Beef: 2, Dairy: 2, Sheep: 2

Hoopstad, Hoopstad Dierenkliniek

Beef: 3, Sheep: 3

Kroonstad, Kroonstad Dierenhospitaal

Beef: 2, Dairy: 2, Sheep: 2

Memel, Memel Veterinary Clinic

Sheep: 2

Senekal, Senekal Dierenkliniek

Beef: 1

Viljoenskroon, Viljoenskroon Dierenkliniek

Beef: 3, Sheep: 3

Villiers, Wilgepoort Veedienste

Sheep: 2

Vrede, Saulshoek Dierenpraktyk

Sheep: 2

Winburg, Winburg Dierenkliniek

Beef: 3, Sheep: 3

Kwazulu-Natal

Mooi River, Mooirivier Vet Clinic

Beef: 1

Underberg, Underberg Veterinary Surgery

Beef: 3

Eastern Cape

Aliwal North, Hertzogbrug Dierenkliniek

Sheep: 2

Steynsburg, Steynsburg Dierehospitaal

Sheep: 3

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

Sheep: 1

Arthritis, encephalitis, lambing pens

Malmesbury, Dr Otto Kriek

Dairy: 3

E. coli found in water used to mix milk replacers caused a number of deaths. This appears to be more common than what we think. Good results were obtained by merely pasteurising the water used for mixing milk replacer.**Northern Cape****Kimberley, Kimberley Dierekliniek**

Sheep: 1

Lambs

Enzootic Abortion										▲
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape	
Average				3.0 (1)	1.7 (3)			3.0 (1)		
Sheep				3.0 (1)	1.7 (3)			3.0 (1)		

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

North West**Brits, Brits Dierekliniek**

Sheep: 3

Free State**Excelsior, Weltevreden Dierekliniek**

Sheep: 2

Senekal, Senekal Dierekliniek

Sheep: 1

Wesselsbron, Wesselsbron Dierekliniek

Sheep: 2

Eastern Cape**Steynsburg, Steynsburg Dierehospitaal**

Sheep: 3

Abortions

Dermatophilosis (Lumpy Wool)										▲
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape	
Average					2.3 (3)			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

Sheep	2.3 (3)	3.0 (2)
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Free State

Hoopstad, Hoopstad Dierekliniek

Sheep: 3

Reitz, Riemland Dierehospitaal

Sheep: 2

Wesselsbron, Wesselsbron Dierekliniek

Sheep: 2

Eastern Cape

Cradock, Cradock Veterinary Clinic

Sheep: 3

Steynsburg, Steynsburg Dierehospitaal

Sheep: 3

Bovine Dermatophilosis (Senkobo disease)



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

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

Beef	1.0 (1)	1.0 (1)
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Mpumalanga

Lydenburg, Longtom Dierekliniek

Beef: 1

Kwazulu-Natal

Mtubatuba, Mtubatuba Animal Clinic

Beef: 1

Fusibacterium necrophorum



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

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

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

Lydenburg, Longtom Dierekliniek

Sheep: 2

Free State

Bothaville, Bothaville Dierekliniek

Sheep: 3

Wesselsbron, Wesselsbron Dierekliniek

Sheep: 2

Eastern Cape										
Steynsburg, Steynsburg Dierehospitaal										
Sheep: 3										
Liver abscesses										

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

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

Sheep	1.5 (2)									
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Western Cape

Darling, Tygerberg Dierehospitaal Darling

Sheep: 2

Stellenbosch, Stellenbosch Animal Hospital

Sheep: 1

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

Sheep	1.0 (2)					3.0 (1)				
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Free State

Bloemfontein, University Free State

Sheep: 1

Clocolan, Clocolan Dierekliniek

Sheep: 1

Eastern Cape

Steynsburg, Steynsburg Dierehospitaal

Sheep: 3

Coxiella abortions

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

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

Beef		3.0 (1)	
Sheep	1.0 (1)	2.7 (3)	1.5 (2)
Goat	3.0 (1)	3.0 (1)	

Mpumalanga

Volksrust, Cape Cross Volksrust Dierehospitaal

Sheep: 1

Gauteng

Nigel, Nigel Diere Spreekkamer

Goat: 3

Free State

Bothaville, Bothaville Dierenkliniek

Sheep: 2

Hoopstad, Hoopstad Dierenkliniek

Beef: 3, Sheep: 3

Warden, Warden Dierenkliniek

Sheep: 3

Eastern Cape

Adelaide, Adelaide Veterinary Clinic

Goat: 3

Pasteurella incidence in Angora goats especially weaner kids, high. Post shearing after the first rains

Western Cape

Beaufort West, Beaufort Dierenkliniek

Sheep: 2

Stellenbosch, Stellenbosch Animal Hospital

Sheep: 1

Protozoal diseases (other)

Besnoitiosis										▲
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

Rustenburg, Bergbos Dierenkliniek

Beef: 2

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



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

Beef		1.0 (1)				
Sheep	2.0 (1)	2.2 (6)	2.3 (3)	1.0 (2)	2.0 (1)	
Goat	1.0 (1)	2.0 (2)	1.0 (2)	2.5 (2)		

Gauteng

Bapsfontein, Bapsfontein Dierehospitaal

Goat: 1

Pretoria, Anima Veterinary Consulting Rooms

Sheep: 2

Free State

Bloemfontein, Dr Stephan Wessels

Sheep: 3

Bothaville, Bothaville Dierenkliniek

Goat: 2

Kroonstad, Kroonstad Dierehospitaal

Sheep: 2

Senekal, Senekal Dierenkliniek

Sheep: 2, Goat: 2

Villiers, Wilgepoort Veedienste

Sheep: 2

Vrede, Saulshoek Dierenpraktyk

Sheep: 3

Wesselsbron, Wesselsbron Dierenkliniek

Sheep: 1

Kwazulu-Natal

Mtubatuba, Mtubatuba Animal Clinic

Beef: 1

Eastern Cape

Bathurst, Dr Jane Pistorius

Goat: 2

Four cases

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Sheep: 2, Goat: 2

Steynsburg, Steynsburg Dierehospitaal

Sheep: 3

Stutterheim, Stutterheim Veterinary Clinic

Sheep: 2

Wireworm resistance and coccidiosis in same flock

Western Cape

Beaufort West, Beaufort Dierenkliniek

Goat: 1

Oudtshoorn, Oudtshoorn Dierenkliniek

Sheep: 1

Stellenbosch, Stellenbosch Animal Hospital

Sheep: 1, Goat: 1

Northern Cape

Kuruman, Kuruman Dierekliniek

Sheep: 2, Goat: 2

Postmasburg, Postmasburg Dierekliniek

Goat: 3

Cryptosporidium

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

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

Beef		2.5 (2)		2.0 (3)					
Dairy				2.0 (1)	2.5 (2)	2.0 (1)	3.0 (1)		
Sheep		2.0 (2)		2.5 (2)	2.3 (6)	1.5 (2)			

Gauteng**Pretoria, Anima Veterinary Consulting Rooms**

Sheep: 2

Rayton, Rayton Dierekliniek

Sheep: 2

North West**Brits, Brits Dierekliniek**

Beef: 3

Christiana, Christiana Dierehospitaal

Beef: 2, Sheep: 2

Potchefstroom, Morvet

Sheep: 3

Free State**Bothaville, Bothaville Dierekliniek**

Sheep: 2

Clocolan, Clocolan Dierekliniek

Sheep: 2

Dewetsdorp, Platkop Dierekliniek

Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Dairy: 2, Sheep: 2

Villiers, Wilgepoort Veedienste

Sheep: 3

Vrede, Saulshoek Dierepraktyk

Sheep: 2

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

Beef: 1

Estcourt, Estcourt Vet Clinic

Dairy: 2, Sheep: 1

Howick, Howick Veterinary Clinic

Beef: 2, Dairy: 3, Sheep: 2

Underberg, Underberg Veterinary Surgery

Beef: 3

A serious issue –often non-compliant clients. Various differing opinions on treatments. Semen representatives selling all sorts of snake juices and ineffective products

Eastern Cape

Alexandria, Riverview Trading Vet Consulting Services

Dairy: 2

Western Cape

Swellendam, Swellendam Dierehospitaal

Dairy: 3

Calves

Fungal diseases

Ringworm										▲
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape	
Average	1.0 (1)	3.0 (2)		3.0 (2)	1.8 (5)	2.0 (2)	2.0 (3)	1.3 (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)	3.0 (1)		3.0 (1)	1.8 (5)	2.0 (2)	1.5 (2)	1.0 (1)		
Dairy							3.0 (1)	1.0 (2)		
Sheep		3.0 (1)		3.0 (1)				2.0 (1)		

Mpumalanga

Lydenburg, Longtom Dierenkliniek

Beef: 1

Gauteng

Nigel, Nigel Dieren Spreekamer

Beef: 3

Pretoria, Anima Veterinary Consulting Rooms

Sheep: 3

North West

Christiana, Christiana Dierenhospitaal

Beef: 3, Sheep: 3

Free State

Hoopstad, Hoopstad Dierenkliniek

Beef: 3

Kroonstad, Kroonstad Dierenhospitaal

Beef: 1

Memel, Memel Veterinary Clinic

Beef: 2

Viljoenskroon, Viljoenskroon Dierenkliniek

Beef: 1

Vrede, Saulshoek Dierenpraktyk

Beef: 2

Kwazulu-Natal

Mtubatuba, Mtubatuba Animal Clinic

Beef: 1

Vryheid, Vryheid Privaat Veeartse

Free State
Bloemfontein, Dr Stephan Wessels
Beef: 1
Dewetsdorp, Platkop Dierekliniek
Beef: 2
Hoopstad, Hoopstad Dierekliniek
Beef: 2
Reitz, Riemland Dierehospitaal
Beef: 1
Kwazulu-Natal
Estcourt, Estcourt Vet Clinic
Beef: 2

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

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

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

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

Beef		1.5 (2)	2.0 (1)							
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Free State										
Reitz, Riemland Dierehospitaal										
Beef: 2										
Warden, Warden Dierekliniek										
Beef: 1										
Kwazulu-Natal										
Pietermaritzburg, Veterinary House Hospital										
Beef: 2										
BRSV (Bovine respiratory syncytial virus)										▲
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape	

Average	2.0 (1)
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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

Pietermaritzburg, Veterinary House Hospital

Beef: 2

Enzootic Bovine Leucosis (EBL)										▲
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)	2.0 (1)		

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

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

Free State

Winburg, Winburg Dierenkliniek

Beef: 3

Kwazulu-Natal

Dundee, Endumeni Herd health

Dairy: 1

Underberg, Underberg Veterinary Surgery

Beef: 1

Eastern Cape

Humansdorp, Humansdorp Veterinary Clinic

Beef: 1

Western Cape

Darling, Tygerberg Dierenhospitaal Darling

Beef: 2

Orf										▲
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape	
Average	2.0 (2)	2.0 (3)		2.8 (4)	2.0 (8)	1.3 (3)	1.7 (3)	1.7 (3)	2.3 (4)	

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

Sheep	2.0 (2)	1.5 (2)		3.0 (1)	2.0 (7)	1.3 (3)	3.0 (1)	1.7 (3)	2.0 (2)
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Goat	3.0 (1)	2.7 (3)	2.0 (1)	1.0 (2)	2.5 (2)
Mpumalanga					
Lydenburg, Longtom Dierekliniek					
Sheep: 2					
Standerton, Econovet					
Sheep: 2					
Gauteng					
Bapsfontein, Bapsfontein Dierehospitaal					
Sheep: 1					
Nigel, Nigel Diere Spreekamer					
Goat: 3					
Pretoria, Anima Veterinary Consulting Rooms					
Sheep: 2					
North West					
Brits, Zodiac Dierekliniek					
Goat: 3					
Christiana, Christiana Dierehospitaal					
Sheep: 3, Goat: 3					
Klerksdorp, Klerksdorp Dierehospitaal					
Goat: 2					
Free State					
Bethlehem, Bethlehem Animal Hospital					
Sheep: 2					
Bloemfontein, Dr Stephan Wessels					
Sheep: 1					
Hoopstad, Hoopstad Dierekliniek					
Sheep: 3					
Kroonstad, Kroonstad Dierehospitaal					
Sheep: 2					
Warden, Warden Dierekliniek					
Sheep: 2					
Wesselsbron, Wesselsbron Dierekliniek					
Sheep: 1					
Winburg, Winburg Dierekliniek					
Sheep: 3, Goat: 2					
Kwazulu-Natal					
Bergville, Bergville Veterinary Clinic					
Sheep: 1					
Mooi River, Moorivier Vet Clinic					
Sheep: 1					
Underberg, Underberg Veterinary Surgery					
Sheep: 2					
Eastern Cape					
Alexandria, Riverview Trading Vet Consulting Services					
Goat: 1					
Graaff-Reinet, Graaff Reinet Veterinary Clinic					
Goat: 1					
Steynsburg, Steynsburg Dierehospitaal					
Sheep: 3					
Western Cape					
Beaufort West, Beaufort Dierekliniek					
Sheep: 1					
Beaufort West, Beaufort West State Vet					
Sheep: 1					

Bergville, Bergville Veterinary Clinic

Beef: 2

Eshowe, Eshowe Veterinary Hospital

Beef: 3

Mtubatuba, Mtubatuba Animal Clinic

Beef: 1

Vryheid, Vryheid Privaat Veeartse

Beef: 2

Eastern Cape**Humansdorp, Humansdorp Veterinary Clinic**

Beef: 1

Western Cape**Malmesbury, Bergzight Dierehospitaal**

Dairy: 3

Northern Cape**Kuruman, Kuruman Dierekliniek**

Sheep: 2, Goat: 3

Rota virus

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

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

Beef

1.0 (1)

2.0 (2)

North West**Christiana, Christiana Dierehospitaal**

Beef: 1

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

Beef: 1

Underberg, Underberg Veterinary Surgery

Beef: 3

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

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

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

Beef

3.0 (1)

Sheep

1.0 (1)

Western Cape**Beaufort West, Beaufort Dierekliniek**

Sheep: 1

Northern Cape										
Upington, Upington Veeartsenykliniek										
Beef: 3										
Slangkop in cattle, Kalahari North of Upington										
Cestrum										^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape	
Average		2.0 (1)			1.7 (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	2.0 (1)	1.7 (3)	2.0 (1)
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Gauteng

Bronkhorstspruit, Kerkstraat Dierenkliniek

Beef: 2

Free State

Bothaville, Bothaville Dierenkliniek

Beef: 1

Reitz, Riemland Dierehospitaal

Beef: 2

Winburg, Winburg Dierenkliniek

Beef: 2

Eastern Cape

Alexandria, Alexandria Platteland Spreekkamer

Beef: 2

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

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

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

North West

Brits, Brits Dierenkliniek

Sheep: 2

Free State

Ficksburg, Oosvrystaat Diere Produkte

Beef: 2, Sheep: 2

Kroonstad, Kroonstad Dierehospitaal

Beef: 2

Western Cape

Heidelberg (WC), Heidelberg Dierekliniek

Sheep: 2

Geeldikkop/Dikoor										▲
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape	
Average					2.5 (2)			2.5 (2)	2.7 (3)	

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

Sheep		2.5 (2)		2.5 (2)	2.7 (3)	
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Free State

Hoopstad, Hoopstad Dierekliniek

Sheep: 3

Wesselsbron, Wesselsbron Dierekliniek

Sheep: 2

Western Cape

Beaufort West, Beaufort Dierekliniek

Sheep: 3

Beaufort West, Beaufort West State Vet

Sheep: 2

Tribulis (duwweltjies)

Northern Cape

Calvinia, Calvinia Veeartskliniek

Sheep: 3

Kathu, Kathu Dierekliniek

Sheep: 2

Tribulus (duwweltjies)

Upington, Upington Veeartsenykliniek

Sheep: 3

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

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

Beef	1.0 (1)		
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Limpopo

Polokwane, Pietersburg Veterinary Clinic

Beef: 1

Kikuyu poisoning	▲
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PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average						3.0 (1)	2.3 (3)		

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

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

Kwazulu-Natal

Eshowe, Eshowe Veterinary Hospital

Beef: 3

Kikuyu poisoning, post army worm deaths

Eastern Cape

Alexandria, Alexandria Platteland Spreekkamer

Dairy: 3

Army worms, whole district affected, kikuyu pastures

Humansdorp, Humansdorp Veterinary Clinic

Beef: 1

Jeffreys Bay, Cape Cross Veterinary Hospital

Dairy: 3

More than 10 cows

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

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

Beef	1.0 (1)	1.5 (4)
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Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 1

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Estcourt, Estcourt Vet Clinic

Beef: 2

Mtubatuba, Mtubatuba Animal Clinic

Beef: 1

Newcastle, Ncanduvet Newcastle

Beef: 1

Nitrate poisoning									▲
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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Gauteng

Pretoria, Anima Veterinary Consulting Rooms

Sheep: 2

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

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

Beef	2.0 (1)
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Mpumalanga

Grootvlei, Grootvlei Dierenkliniek

Beef: 2

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)
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Free State

Vrede, Saulshoek Dierenpraktijk

Beef: 1

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

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

Beef	1.0 (1)
Sheep	3.0 (1)

Western Cape**Stellenbosch, Stellenbosch Animal Hospital**

Beef: 1

Northern Cape**Upington, Upington Veeartsenykliniek**

Sheep: 3

Kenhardt district

Vermeersiekte (*Gaigeria* spp.)

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

Free State**Memel, Memel Veterinary Clinic**

Sheep: 2

Vrede, Saulshoek Dierepraktyk

Sheep: 1

Wesselsbron, Wesselsbron Dierenkliniek

Sheep: 1

Other

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

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

Beef

2.0 (1)

Sheep

3.0 (1)

1.0 (1)

Eastern Cape**Steynsburg, Steynsburg Dierenhospitaal**

Sheep: 3

Cyanide toxicity due to damkweek

Stutterheim, Stutterheim Veterinary Clinic

Beef: 2

Lasiospermum (ganskweek) toxicity (3 weaners died), liver cirrhosis**Northern Cape****Upington, Upington Veeartsenykliniek**

Sheep: 1

Kaalsiekte - Bitterbos Chrysocoma tenuifolia in Dorper lambs in one camp in Kenhardt district

Poisonings

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

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

Beef						1.0 (1)				
Sheep					3.0 (1)					

Free State

Vrede, Saulshoek Dierepraktyk

Sheep: 3

20 out of 249 ewes died. Ewes had insufficient lick for adaptation before adding urea. Salt hunger? Lick consisted of 30% grain, 10% urea in lick.

Kwazulu-Natal

Newcastle, Ncanduvet Newcastle

Beef: 1

Snake Bite										▲
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 (7)				2.0 (1)	

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

Beef	1.0 (1)		1.0 (1)	1.6 (5)					2.0 (1)	
Sheep				1.0 (2)						

Mpumalanga

Lydenburg, Longtom Dierekliniek

Beef: 1

North West

Vryburg, Molopo Dierekliniek

Beef: 1

Free State

Ciocolan, Ciocolan Dierekliniek

Beef: 2, Sheep: 1

Hoopstad, Hoopstad Dierekliniek

Beef: 2

Villiers, Wilgepoort Veedienste

Beef: 1

Vrede, Saulshoek Dierepraktyk

Beef: 2

Wesselsbron, Wesselsbron Dierekliniek

Beef: 1, Sheep: 1

Northern Cape

Kuruman, Kuruman Dierekliniek

Beef: 2

Chemical products										▲
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)							1.0 (1)		
Sheep		2.0 (1)								

Mpumalanga

Grootvlei, Grootvlei Dierekliniek

Beef: 1

Gauteng

Rayton, Rayton Dierekliniek

Sheep: 2

Lead

Western Cape

Stellenbosch, Stellenbosch Animal Hospital

Beef: 1

Two cows: Alcohol poisoning from eating grape-skins. Lame; rumen impaction and no co-ordination.

Macro Nutritional Problems

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

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

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

Mpumalanga

Hendrina, Mooiplaas Veterinêre Dienste

Beef: 1

Gauteng

Bapsfontein, Bapsfontein Dierehospitaal

Beef: 1

Free State

Villiers, Wilgepoort Veedienste

Sheep: 2

Western Cape**Vredenburg, Vredenburg Dierehospitaal**

Sheep: 3

Ewes that lamb have to be fed

Protein deficiency										▲
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)	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	1.0 (1)	2.0 (1)	3.0 (1)
Dairy		2.0 (1)	3.0 (1)
Sheep			2.0 (1)
Goat	2.0 (1)		

Gauteng**Bapsfontein, Bapsfontein Dierehospitaal**

Beef: 1

North West**Leeudoringstad, Leeudoringstad Dierekliniek**

Goat: 2

Swelled belly, Angora flock, due to protein deficiency and stress. Three out of 170 died

Eastern Cape**Alexandria, Alexandria Platteland Spreekamer**

Dairy: 2

Western Cape**Malmesbury, Invitrotech**

Dairy: 3

Nett Feed Intake (under average), 24 cattle culled

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

Sheep: 2

Lean carcases at abattoir due to drought conditions towards west

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

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

Beef	2.0 (1)
Northern Cape	
Postmasburg, Postmasburg Dierekliniek	

Beef: 2

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

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

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

Gauteng

Pretoria, Anima Veterinary Consulting Rooms

Sheep: 1

Free State

Philippolis, Rowelsfontein veearts Spreekkamer

Sheep: 1

Kwazulu-Natal

Underberg, Underberg Veterinary Surgery

Beef: 3

Eastern Cape

Alexandria, Alexandria Platteland Spreekkamer

Dairy: 2

Western Cape

Malmesbury, Dr Otto Kriek

Dairy: 1

Micro Nutritional Problems

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

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

Beef	2.0 (1)
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Kwazulu-Natal

Underberg, Underberg Veterinary Surgery

Beef: 2

Copper 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

Sheep	1.0 (1)
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Mpumalanga

Ermelo, Môregloed Veterinêre Spreekkamer

Sheep: 1

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

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

Sheep	1.0 (1)
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Western Cape

Darling, Tygerberg Dierehospitaal Darling

Sheep: 1

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

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

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

Mpumalanga

Standerton, Econovet

Beef: 3

Gauteng

Nigel, Nigel Diere Spreekkamer

Dairy: 1

Pretoria, Anima Veterinary Consulting Rooms

Sheep: 2

North West

Christiana, Christiana Dierehospitaal

Sheep: 3

Free State

Villiers, Wilgepoort Veedienste

Sheep: 3

Magnesium deficiency

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

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

Dairy

1.0 (1)

Western Cape

Malmesbury, Dr Otto Kriek

Dairy: 1

Vitamin A deficiency

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

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

Beef

3.0 (1)

North West

Christiana, Christiana Dierehospitaal

Beef: 3

Vitamin B1 deficiency

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

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

Sheep

2,0 (1)

Western Cape

Vredenburg, Vredenburg Dierehospitaal

Sheep: 2

Few cases of vitamin B 1 deficiency

Multi-factorial Disease Conditions

Abortions

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)	2.0 (3)	2.2 (11)	1.8 (5)	2.3 (3)	1.8 (4)
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Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef	3.0 (1)		2.0 (2)	2.2 (5)	1.8 (4)		2.0 (1)
Dairy				2.0 (1)		2.0 (2)	
Sheep		2.0 (1)	2.0 (1)	2.2 (6)		2.5 (2)	1.0 (1)
Goat					2.0 (1)		

Mpumalanga

Hendrina, Mooiplaas Veterinäre Dienste

Beef: 3

Gauteng

Pretoria, Anima Veterinary Consulting Rooms

Sheep: 2

North West

Brits, Brits Dierenkliniek

Sheep: 2

Christiana, Christiana Dierenhospitaal

Beef: 3

Klerksdorp, Klerksdorp Dierenhospitaal

Beef: 1

Free State

Bloemfontein, Dr Stephan Wessels

Beef: 2

Clocolan, Clocolan Dierenkliniek

Sheep: 1

Excelsior, Weltevreden Dierenkliniek

Sheep: 3

Hoopstad, Hoopstad Dierenkliniek

Beef: 3, Sheep: 3

Kroonstad, Kroonstad Dierenhospitaal

Sheep: 2

Viljoenskroon, Viljoenskroon Dierenkliniek

Beef: 2, Sheep: 2

Villiers, Wilgepoort Veedienste

Beef: 2

Wesselsbron, Wesselsbron Dierenkliniek

Sheep: 2

Winburg, Winburg Dierenkliniek

Beef: 2

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Howick, Howick Veterinary Clinic

Dairy: 2

Mooi River, Mooirivier Vet Clinic

Beef: 1

Pietermaritzburg, Veterinary House Hospital

Beef: 2

Underberg, Underberg Veterinary Surgery

Beef: 2

Eastern Cape**Steynsburg, Steynsburg Dierehospitaal**

Sheep: 3

Chlamydophyla abortions**Uitenhage, Uitenhage Dierehospitaal**

Goat: 2

Witelsbos, Witelsbos Veterinary Consulting Rooms

Sheep: 2

Western Cape**Ceres, Ceres Veterinary Hospital**

Beef: 2

Two abortions

Malmesbury, Dr Otto Kriek

Dairy: 2

Malmesbury, Invitrotech

Dairy: 2

Stellenbosch, Stellenbosch Animal Hospital

Sheep: 1

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

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

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

Gauteng**Nigel, Nigel Diere Spreekamer**

Beef: 1

Free State**Clocolan, Clocolan Dierenkliniek**

Sheep: 1

Hoopstad, Hoopstad Dierenkliniek

Beef: 3, Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Sheep: 1

Wesselsbron, Wesselsbron Dierenkliniek

Sheep: 2

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

Beef: 2

Howick, Howick Veterinary Clinic

Dairy: 2

Western Cape									
Stellenbosch, Stellenbosch Animal Hospital									
Beef: 2									
Abscesses									
▲									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.5 (6)	1.0 (3)		1.7 (3)	2.2 (9)	2.1 (7)	2.0 (4)	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	1.5 (4)	1.0 (1)		1.5 (2)	2.2 (5)	2.2 (5)			
Dairy					3.0 (1)				
Sheep	1.5 (2)	1.0 (1)		2.0 (1)	2.0 (3)	3.0 (1)	2.0 (3)	1.0 (1)	
Goat		1.0 (1)				1.0 (1)	2.0 (1)	1.0 (1)	

Mpumalanga
Grootvlei, Grootvlei Dierenkliniek
Beef: 1
Hendrina, Mooiplaas Veterinäre Dienste
Beef: 2, Sheep: 1
Lydenburg, Longtom Dierenkliniek
Beef: 2, Sheep: 2
Lydenburg, Lydenburg Dierespreekamer
Beef: 1
Gauteng
Pretoria, Anima Veterinary Consulting Rooms
Sheep: 1
Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic
Beef: 1
Rayton, Rayton Dierenkliniek
Goat: 1
North West
Brits, Zodiac Dierenkliniek
Sheep: 2
Schweizer-Reneke, Buffeloord Dierenkliniek SR
Beef: 1
Vryburg, Molopo Dierenkliniek
Beef: 2
Free State
Bothaville, Bothaville Dierenkliniek
Sheep: 1
Hoopstad, Hoopstad Dierenkliniek
Beef: 3, Sheep: 3
Philippolis, Rowelsfontein veearts Spreekamer
Sheep: 2
Senekal, Senekal Dierenkliniek

Beef: 3, Dairy: 3
Vrede, Saulshoek Dierepraktyk
Beef: 2
Warden, Warden Dierenkliniek
Beef: 1
Winburg, Winburg Dierenkliniek
Beef: 2
Kwazulu-Natal
Howick, Howick Veterinary Clinic
Beef: 3, Sheep: 3
Mooi River, Mooirivier Vet Clinic
Beef: 1
Pietermaritzburg, Veterinary House Hospital
Beef: 3
Pongola, Pongola Animal Clinic
Beef: 1, Goat: 1
Vryheid, Vryheid Privaat Veeartse
Beef: 3
Eastern Cape
Aliwal North, Hertzogbrug Dierenkliniek
Sheep: 2
<i>Themeda</i> grass seeds causing skin abscesses
Graaff-Reinet, Graaff Reinet Veterinary Clinic
Goat: 2
Steynsburg, Steynsburg Dierenhospitaal
Sheep: 3
Liver abscesses (<i>Fusibacterium, Trueperella</i>)
Uitenhage, Uitenhage Dierenhospitaal
Sheep: 1
Western Cape
Beaufort West, Beaufort Dierenkliniek
Sheep: 1
Stellenbosch, Stellenbosch Animal Hospital
Goat: 1

Abscesses in general										▲
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape	
Average	1.8 (4)	2.5 (4)	1.0 (1)	2.0 (1)	2.2 (6)	2.4 (5)	1.0 (1)			

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

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

Mpumalanga										
Ermelo, Môregloed Veterinêre Spreekkamer										
Sheep: 1										
Lydenburg, Longtom Dierenkliniek										
Beef: 2, Sheep: 2										
Nelspruit, Nelspruit Animal Hospital										
Beef: 2										
Gauteng										
Hammanskraal, Themba Animal Clinic										
Beef: 3, Sheep: 2, Goat: 3										
Nigel, Nigel Dieren Spreekkamer										
Sheep: 2										
Limpopo										
Mokopane, Bundu Veterinary Services										
Sheep: 1										
North West										
Vryburg, Molopo Dierenkliniek										
Beef: 2										
Free State										
Bloemfontein, University Free State										
Dairy: 1										
Hoopstad, Hoopstad Dierenkliniek										
Beef: 3, Sheep: 3										
Senekal, Senekal Dierenkliniek										
Dairy: 2										
Villiers, Wilgepoort Veedienste										
Beef: 2										
Winburg, Winburg Dierenkliniek										
Beef: 2										
Kwazulu-Natal										
Bergville, Bergville Veterinary Clinic										
Beef: 2										
Mtubatuba, Mtubatuba Animal Clinic										
Beef: 2										
Ticks										
Goat: 2										
Underberg, Underberg Veterinary Surgery										
Beef: 3, Sheep: 3										
Eastern Cape										
Witelsbos, Witelsbos Veterinary Consulting Rooms										
Goat: 1										
Bladder stones										▲
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape	
Average		1.0 (1)			2.0 (1)					
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported										
Sheep					2.0 (1)					

Goat	1.0 (1)
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Gauteng
Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Goat: 1

Urolithiasis

Free State
Hoopstad, Hoopstad Dierenkliniek

Sheep: 2

Blindness										▲
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape	
Average					2.0 (3)			2.0 (2)	2.0 (5)	

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

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

Free State
Kroonstad, Kroonstad Dierenhospitaal

Sheep: 2

Philippolis, Rowelsfontein veearts Spreekkamer

Sheep: 2

Vrede, Saulshoek Dierenpraktijk

Beef: 2

Negligence, animals were not treated in time, prophylactic treatment

Western Cape
Heidelberg (WC), Heidelberg Dierenkliniek

Dairy: 2, Sheep: 2

Northern Cape
Kuruman, Kuruman Dierenkliniek

Beef: 2, Sheep: 2

Postmasburg, Postmasburg Dierenkliniek

Beef: 2, Sheep: 2, Goat: 2

Bloat										▲
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 (2)	1.0 (1)	1.0 (3)	2.0 (1)	

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

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

Mpumalanga

Grootvlei, Grootvlei Dierenkliniek

Beef: 1

Gauteng

Nigel, Nigel Dieren Spreekamer

Dairy: 1

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 2

Six cases

Kwazulu-Natal

Estcourt, Estcourt Vet Clinic

Dairy: 2

Howick, Howick Veterinary Clinic

Beef: 2

Eastern Cape

Witelsbos, Witelsbos Veterinary Consulting Rooms

Beef: 1

Western Cape

Malmesbury, Invitrotech

Dairy: 1

Stellenbosch, Stellenbosch Animal Hospital

Beef: 1, Dairy: 1

Northern Cape

Kuruman, Kuruman Dierenkliniek

Sheep: 2

Red gut (torsion 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)

Gauteng

Nigel, Nigel Dieren Spreekamer

Goat: 1

Blue udder



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

Sheep	2.0 (2)	3.0 (1)	2.5 (4)	2.0 (1)	1.3 (3)
Goat		2.0 (1)			

Mpumalanga

Lydenburg, Longtom Dierekliniek

Sheep: 2

Standerton, Econovet

Sheep: 2

Gauteng

Bapsfontein, Bapsfontein Dierehospitaal

Goat: 2

Pretoria, Anima Veterinary Consulting Rooms

Sheep: 3

Free State

Bultfontein, Greylingsrust Dierespreekkamer

Sheep: 3

Hoopstad, Hoopstad Dierekliniek

Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Sheep: 2

Philippolis, Rowelsfontein veearts Spreekkamer

Sheep: 2

Eastern Cape

Cradock, Cradock Veterinary Clinic

Sheep: 2

Mannheimia haemolytica

Western Cape

Caledon, Caledon Dierekliniek

Sheep: 1

Heidelberg (WC), Heidelberg Dierekliniek

Sheep: 2

Stellenbosch, Stellenbosch Animal Hospital

Sheep: 1

Diarrhea



PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (4)	2.0 (3)		2.6 (9)	2.4 (21)	2.4 (8)		2.0 (2)	

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

Beef	2.0 (2)	1.0 (1)		2.4 (5)	2.3 (7)	2.4 (5)		1.0 (1)	
Dairy		3.0 (1)			2.0 (1)	3.0 (1)		3.0 (1)	

Sheep	2.0 (2)	2.0 (1)	2.8 (4)	2.5 (13)	2.0 (2)
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Mpumalanga

Ermelo, Môregloed Veterinêre Spreekkamer

Beef: 2, Sheep: 2

Hendrina, Mooiplaas Veterinêre Dienste

Beef: 2

Lydenburg, Longtom Dierenkliniek

Sheep: 2

Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 1

Nigel, Nigel Dieren Spreekkamer

Dairy: 3

Pretoria, Anima Veterinary Consulting Rooms

Sheep: 2

North West

Christiana, Christiana Dierenhospitaal

Beef: 3, Sheep: 3

Klerksdorp, Klerksdorp Dierenhospitaal

Beef: 2, Sheep: 2

Lichtenburg, Dr CM Kruger-Rall

Beef: 3

Calves

Potchefstroom, Morvet

Sheep: 3

Ventersdorp, Ventersdorp Dierenkliniek

Beef: 3, Sheep: 3

Vryburg, Molopo Dierenkliniek

Beef: 1

Free State

Bloemfontein, Dr Stephan Wessels

Sheep: 3

Clocolan, Clocolan Dierenkliniek

Sheep: 2

Dewetsdorp, Platkop Dierenkliniek

Sheep: 3

Hoopstad, Hoopstad Dierenkliniek

Beef: 3, Sheep: 3

Kroonstad, Kroonstad Dierenhospitaal

Dairy: 2, Sheep: 2

Memel, Memel Veterinary Clinic

Beef: 2, Sheep: 2

Reitz, Riemland Dierenhospitaal

Beef: 2, Sheep: 3

Senekal, Senekal Dierenkliniek

Beef: 2, Sheep: 2

Viljoenskroon, Viljoenskroon Dierenkliniek

Beef: 3, Sheep: 3

Villiers, Wilgepoort Veedienste

Beef: 2, Sheep: 3

Lambs

Vrede, Vrede Dierenhospitaal

Sheep: 3

Lambs

Warden, Warden Dierekliniek

Beef: 2, Sheep: 2

Wesselsbron, Wesselsbron Dierekliniek

Sheep: 2

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

Beef: 2, Sheep: 2

Eshowe, Eshowe Veterinary Hospital

Beef: 3

Unknown origin

Estcourt, Estcourt Vet Clinic

Beef: 2, Sheep: 2

Howick, Howick Veterinary Clinic

Dairy: 3

Mooi River, Moorivier Vet Clinic

Beef: 2

Underberg, Underberg Veterinary Surgery

Beef: 3

Western Cape**Darling, Tygerberg Dierehospitaal Darling**

Beef: 1

Malmesbury, Dr Otto Kriek

Dairy: 3

E. coli found in water used to mix milk replacers caused a number of deaths. This appears to be more common than what we think. Good results were obtained by merely pasteurising the water used for mixing milk replacer.

Eye Cancer									▲
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)				1.7 (6)	2.5 (2)	1.0 (1)	2.0 (1)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef	1.0 (1)				1.7 (3)	2.0 (1)			
Dairy					2.0 (1)	3.0 (1)	1.0 (1)	2.0 (1)	
Sheep					1.5 (2)				

Mpumalanga**Grootvlei, Grootvlei Dierekliniek**

Beef: 1

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

Beef: 1

Kroonstad, Kroonstad Dierehospitaal

Dairy: 2

Villiers, Wilgepoort Veedienste

Beef: 2, Sheep: 2

Warden, Warden Dierekliniek

Sheep: 1
Winburg, Winburg Dierekliniek
Beef: 2
Kwazulu-Natal
Bergville, Bergville Veterinary Clinic
Beef: 2
Howick, Howick Veterinary Clinic
Dairy: 3
Eastern Cape
Somerset East, Bosberg Veterinary Clinic
Dairy: 1
Western Cape
Malmesbury, Bergzight Dierehospitaal
Dairy: 2

Eye infections										▲
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape	
Average	2.0 (11)	1.8 (5)		3.0 (5)	2.4 (18)	2.5 (8)	2.6 (5)	2.0 (5)	2.3 (4)	
Beef	1.9 (7)	1.7 (3)		3.0 (4)	2.3 (12)	2.6 (5)	3.0 (2)	1.0 (1)	2.0 (1)	
Dairy						3.0 (1)	1.0 (1)	2.0 (2)		
Sheep	2.3 (3)	2.0 (2)		3.0 (1)	2.5 (6)		3.0 (2)	2.5 (2)	2.5 (2)	
Goat	2.0 (1)				2.0 (2)				2.0 (1)	

Mpumalanga
Balfour, Balfour Dierekliniek
Beef: 2, Sheep: 2, Goat: 2
Ermelo, Môregloed Veterinêre Spreekkamer
Beef: 1
Grootvlei, Grootvlei Dierekliniek
Beef: 2
Hendrina, Mooiplaas Veterinêre Dienste
Beef: 2
Lydenburg, Longtom Dierekliniek
Beef: 2, Sheep: 2
Nelspruit, Nelspruit Animal Hospital
Beef: 2
Standerton, Econovet
Beef: 2, Sheep: 3
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: 1

Corneal ulcer

North West

Christiana, Christiana Dierehospitaal

Beef: 3

Leeudoringstad, Leeudoringstad Dierekliniek

Beef: 3

Lichtenburg, Dr CM Kruger-Rall

Beef: 3

Ottosdal, Lakenvlei Dierehospitaal

Beef: 3

Pink eye in herds not vaccinated

Stella, Stella Dierekliniek

Sheep: 3

Free State

Bloemfontein, Dr Stephan Wessels

Beef: 2, Sheep: 2

Bothaville, Bothaville Dierekliniek

Beef: 2

Dewetsdorp, Platkop Dierekliniek

Beef: 3, Sheep: 3

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 2, Sheep: 3

Reitz, Riemland Dierehospitaal

Beef: 2

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 3

Villiers, Wilgepoort Veedienste

Beef: 2, Sheep: 2

Vrede, Saulshoek Dierepraktyk

Beef: 2

Warden, Warden Dierekliniek

Beef: 2

Wesselsbron, Wesselsbron Dierekliniek

Beef: 2, Sheep: 2

Winburg, Winburg Dierekliniek

Beef: 3

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 3

Howick, Howick Veterinary Clinic

Beef: 3, Dairy: 3

Mooi River, Mooirivier Vet Clinic

Beef: 3

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2, Goat: 2

Pongola, Pongola Animal Clinic

Beef: 2

Moraxella bovis

Goat: 2

Eastern Cape

Alexandria, Alexandria Platteland Spreekamer

Dairy: 1

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Beef: 3, Sheep: 3

Steynsburg, Steynsburg Dierehospitaal

Beef: 3, Sheep: 3

Western Cape**Darling, Tygerberg Dierehospitaal Darling**

Sheep: 2

Malmesbury, Bergzight Dierehospitaal

Dairy: 2

Malmesbury, Dr Otto Kriek

Dairy: 2

Stellenbosch, Elsenburg Landbou Kollege

Sheep: 3

Contagious kerato-conjunctivitis

Stellenbosch, Stellenbosch Animal Hospital

Beef: 1

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

Sheep: 3

Flies

Postmasburg, Postmasburg Dierekliniek

Beef: 2, Sheep: 2, Goat: 2

Joint III										
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 (3)	2.0 (4)	1.6 (5)	2.0 (2)	1.0 (1)		

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

Beef	1.0 (1)	1.0 (1)		2.0 (2)	2.0 (3)	1.6 (5)		1.0 (1)		
Sheep				2.0 (1)	2.0 (1)		2.0 (1)			
Goat							2.0 (1)			

Mpumalanga**Ermelo, Môregloed Veterinêre Spreekamer**

Beef: 1

Gauteng**Pretoria, Anima Veterinary Consulting Rooms**

Beef: 1

North West**Klerksdorp, Klerksdorp Dierehospitaal**

Beef: 2, Sheep: 2

Rustenburg, Bergbos Dierekliniek

Beef: 2

Free State**Excelsior, Weltevreden Dierekliniek**

Beef: 3

Villiers, Wilgepoort Veedienste

Hammanskraal, Themba Animal Clinic

Beef: 2, Goat: 2

Pretoria, Anima Veterinary Consulting Rooms

Beef: 2, Sheep: 2

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 2

Three cases

Sheep: 1

North West**Brits, Zodiac Dierenkliniek**

Sheep: 2

Christiana, Christiana Dierenhospitaal

Beef: 3, Sheep: 3

Klerksdorp, Klerksdorp Dierenhospitaal

Beef: 2, Sheep: 2

Free State**Bloemfontein, Dr Stephan Wessels**

Beef: 3

Bloemfontein, University Free State

Dairy: 1, Sheep: 2

Clocolan, Clocolan Dierenkliniek

Beef: 2

Dewetsdorp, Platkop Dierenkliniek

Beef: 3, Sheep: 3

Gariepdam, Gariep Dierenkliniek

Beef: 2

Foot rot in cattle

Kroonstad, Kroonstad Dierenhospitaal

Dairy: 3

Senekal, Senekal Dierenkliniek

Beef: 3, Dairy: 3

Vrede, Saulshoek Dierenpraktyk

Beef: 1

Vrede, Vrede Dierenhospitaal

Sheep: 3

Foot rot

Warden, Warden Dierenkliniek

Sheep: 2

Wesselsbron, Wesselsbron Dierenkliniek

Beef: 1

Winburg, Winburg Dierenkliniek

Beef: 2

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

Beef: 2

Estcourt, Estcourt Vet Clinic

Beef: 2

Howick, Howick Veterinary Clinic

Beef: 2, Dairy: 3

Kokstad, E.G.Veterinary Services

Sheep: 3

Foot rot on intensive grazing causing havoc

Mooi River, Mooirivier Vet Clinic

Beef: 2

Mtubatuba, Mtubatuba Animal Clinic

Balfour, Balfour Dierenkliniek

Dairy: 2, Sheep: 2

Ermelo, Môregloed Veterinêre Spreekkamer

Sheep: 1

Grootvlei, Grootvlei Dierenkliniek

Beef: 1, Sheep: 1

Hendrina, Mooiplaas Veterinêre Dienste

Beef: 2

Lydenburg, Longtom Dierenkliniek

Beef: 2, Sheep: 2

Gauteng**Hammanskraal, Themba Animal Clinic**

Goat: 1

Nigel, Nigel Diere Spreekkamer

Goat: 2

Pretoria, Anima Veterinary Consulting Rooms

Sheep: 2

Rayton, Rayton Dierenkliniek

Sheep: 2

Limpopo**Mokopane, Bundu Veterinary Services**

Beef: 1

North West**Christiana, Christiana Dierehospitaal**

Sheep: 2

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 3, Sheep: 3

Leeudoringstad, Leeudoringstad Dierenkliniek

Beef: 3, Sheep: 3, Goat: 3

Rustenburg, Bergbos Dierenkliniek

Beef: 1

Schweizer-Reneke, Buffeloord Dierenkliniek SR

Sheep: 2

Free State**Bethlehem, Bethlehem Animal Hospital**

Beef: 3

Bloemfontein, Dr Stephan Wessels

Beef: 3, Sheep: 3

Bultfontein, Greylingsrust Dierespreekkamer

Sheep: 2

Clocolan, Clocolan Dierenkliniek

Beef: 2, Sheep: 2

Harrismith, Harrismith Dierehospitaal

Beef: 2

Philippolis, Rowelsfontein veearts Spreekkamer

Sheep: 2

Reitz, Riemland Dierehospitaal

Beef: 2

Viljoenskroon, Viljoenskroon Dierenkliniek

Beef: 3, Sheep: 3

Villiers, Wilgepoort Veedienste

Beef: 2, Sheep: 2

Vrede, Saulshoek Dierapraktyk

Beef: 1

Warden, Warden Dierenkliniek

Dairy	2.0 (1)	1.0 (2)	2.5 (2)	2.3 (4)	2.4 (5)
Sheep			1.0 (1)		
Goat		1.0 (1)		1.0 (1)	
Mpumalanga					
Balfour, Balfour Dierenkliniek					
Dairy: 2					
Gauteng					
Hammanskraal, Themba Animal Clinic					
Dairy: 1, Goat: 1					
Nigel, Nigel Dieren Spreekamer					
Dairy: 1					
North West					
Christiana, Christiana Dierenhospitaal					
Beef: 3					
Free State					
Bloemfontein, Dr Stephan Wessels					
Beef: 3					
Bloemfontein, University Free State					
Dairy: 2					
Bothaville, Bothaville Dierenkliniek					
Sheep: 1					
Senekal, Senekal Dierenkliniek					
Dairy: 3					
Winburg, Winburg Dierenkliniek					
Beef: 2					
Kwazulu-Natal					
Bergville, Bergville Veterinary Clinic					
Beef: 2					
Camperdown, Camperdown Vet Clinic					
Dairy: 1					
Howick, Howick Veterinary Clinic					
Dairy: 3					
Mooi River, Mooirivier Vet Clinic					
Dairy: 2					
Mtubatuba, Mtubatuba Animal Clinic					
Beef: 2					
Pongola, Pongola Animal Clinic					
Beef: 1					
Underberg, Underberg Veterinary Surgery					
Dairy: 3					
Dairy cows, generally appear to be immunosuppressed,, plenty of good rains + mud + lame cows etc etc					
Eastern Cape					
Uitenhage, Uitenhage Dierenhospitaal					
Goat: 1					
Western Cape					
Caledon, Caledon Dierenkliniek					
Dairy: 3					
George, George Animal Hospital					
Dairy: 3					
Malmesbury, Dr Otto Kriek					
Dairy: 1					
Malmesbury, Invitrotech					

Dairy: 2

Swellendam, Swellendam Dierehospitaal

Dairy: 3

Navel III										▲
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 (1)		1.0 (1)	1.0 (1)	

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

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

Gauteng

Pretoria, Anima Veterinary Consulting Rooms

Sheep: 1

North West

Christiana, Christiana Dierehospitaal

Beef: 1

Free State

Wesselsbron, Wesselsbron Dierenkliniek

Sheep: 2

Winburg, Winburg Dierenkliniek

Beef: 2

Kwazulu-Natal

Underberg, Underberg Veterinary Surgery

Beef: 2

Western Cape

Stellenbosch, Stellenbosch Animal Hospital

Dairy: 1

Northern Cape

Kimberley, Kimberley Dierenkliniek

Beef: 1

Umbilical hernia, calf 1

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

Gauteng
Nigel, Nigel Diere Spreekkamer

Beef: 2

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 1

Haematoma

Limpopo
Bela Bela, Artemis Veterinary Services

Beef: 1

Severe wound under tail, ticks, treated; swollen area under ear, hard mass, no fluid when aspirated, ticks; swelling around anus/vulva, tick bites

Free State
Bothaville, Bothaville Dierenkliniek

Beef: 1

Wesselsbron, Wesselsbron Dierenkliniek

Beef: 1

Western Cape
Malmesbury, Invitrotech

Dairy: 1

Downer										▲
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 (4)	2.0 (1)		1.5 (2)	3.0 (1)	

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

Beef	1.0 (1)	2.0 (4)	2.0 (1)	1.0 (1)	3.0 (1)
Dairy				2.0 (1)	
Goat		1.0 (1)			

Gauteng
Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 1

Protein, energy malabsorption

North West
Schweizer-Reneke, Buffeloord Dierenkliniek SR

Goat: 1

Free State
Bultfontein, Greylingsrust Dierespreekkamer

Beef: 2

Kroonstad, Kroonstad Dierenhospitaal

Beef: 2

Villiers, Wilgepoort Veedienste

Beef: 2

Wesselsbron, Wesselsbron Dierenkliniek

Beef: 2										
Kwazulu-Natal										
Bergville, Bergville Veterinary Clinic										
Beef: 2										
Western Cape										
Malmesbury, Invitrotech										
Dairy: 2										
Worcester, Durban Straat Dierekliniek Worcester										
Beef: 1										
Northern Cape										
Colesberg, Karoo Veterinary Hospital										
Beef: 3										
Other										
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape	▲
Average		1.0 (1)			1.0 (1)			3.0 (1)	1.0 (1)	

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

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

Gauteng										
Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic										
Beef: 1										
Rumen stasis										
Free State										
Bothaville, Bothaville Dierekliniek										
Beef: 1										
Bladder stones in bull grazing on veldt without lick, rupture of urethra										
Western Cape										
Malmesbury, Invitrotech										
Dairy: 3										
Poor condition 2; Poor production 37;										
Northern Cape										
Kimberley, Kimberley Dierekliniek										
Beef: 1										

Wet carcases/ Yellow carcases at abattoir																				
PROVINCE																				
Mpumalanga																				
Gauteng																				
Limpopo																				
North West																				
Free State																				
Kwazulu-Natal																				
Eastern Cape																				
Western Cape																				
Northern Cape																				
Average					1.0 (1)			1.0 (1)	2.0 (1)											

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

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

Free State

Kroonstad, Kroonstad Dierehospitaal

Beef: 1

Western Cape

Worcester, Durban Straat Dierekliniek Worcester

Dairy: 1

Northern Cape

De Aar, De Aar Veterinary Clinic

Sheep: 2

Few yellow carcases at abattoir

Metabolic Diseases

Acidosis										^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape	
Average	2.5 (2)	1.7 (3)	1.0 (2)		2.5 (2)	1.0 (1)			2.0 (1)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported										
Beef	3.0 (1)	2.0 (1)	1.0 (1)		3.0 (1)	1.0 (1)				
Sheep	2.0 (1)	1.5 (2)	1.0 (1)		2.0 (1)				2.0 (1)	

Mpumalanga

Grootvlei, Grootvlei Dierekliniek

Beef: 3

Gauteng

Nigel, Nigel Diere Spreekkamer

Sheep: 2

Limpopo

Polokwane, Pietersburg Veterinary Clinic

Beef: 1, Sheep: 1

Free State

Gariepdam, Gariep Dierekliniek

Sheep: 2

Feed lot lambs that were not adapted to ration

Kwazulu-Natal

Camperdown, Camperdown Vet Clinic

Beef: 1

Western Cape

Beaufort West, Beaufort Dierenkliniek

Sheep: 2

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

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

Dairy	2.5 (2)	1.0 (1)
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Kwazulu-Natal

Dundee, Endumeni Herd health

Dairy: 2

Howick, Howick Veterinary Clinic

Dairy: 3

Western Cape

Stellenbosch, Stellenbosch Animal Hospital

Dairy: 1

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

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

Dairy	1.0 (1)
Sheep	1.7 (3)

Gauteng

Nigel, Nigel Dieren Spreekamer

Dairy: 1

Free State

Senekal, Senekal Dierenkliniek

Sheep: 2

Villiers, Wilgepoort Veedienste

Sheep: 1

Winburg, Winburg Dierenkliniek

Sheep: 2

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

Average	1.0 (1)	1.5 (2)	1.6 (5)	3.0 (1)	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

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

Mpumalanga

Grootvlei, Grootvlei Dierekliniek

Beef: 1

North West

Lichtenburg, Dr CM Kruger-Rall

Beef: 2

Schweizer-Reneke, Buffeloord Dierekliniek SR

Beef: 1

Free State

Bloemfontein, University Free State

Dairy: 1

Dewetsdorp, Platkop Dierekliniek

Sheep: 1

Memel, Memel Veterinary Clinic

Dairy: 2

Vrede, Saulshoek Dierepraktyk

Sheep: 2

Self mixing of feed, owner did not have feed analyzed

Warden, Warden Dierekliniek

Dairy: 2

Kwazulu-Natal

Howick, Howick Veterinary Clinic

Dairy: 3

Western Cape

George, George Animal Hospital

Dairy: 2

Malmesbury, Dr Otto Kriek

Dairy: 3

Not all nutritionists seem to have the right formula for close-up cow rations. This because of the cost factor of mixing a decent close-up ration. In this case one can apply the saying: "Goedkoop koop is duur koop".

Stellenbosch, Stellenbosch Animal Hospital

Dairy: 1

Reproductive diseases

Dystocia (Difficult Births)



PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
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Average	1.5 (6)	1.5 (2)	1.0 (1)	2.3 (7)	1.9 (17)	2.0 (9)	2.0 (1)	1.5 (8)	1.7 (3)
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Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef	1.8 (4)	2.0 (1)	1.0 (1)	2.2 (5)	2.0 (11)	1.7 (7)		1.3 (4)	2.0 (2)
Dairy					2.0 (1)	3.0 (2)	2.0 (1)	1.7 (3)	
Sheep	1.0 (2)	1.0 (1)		2.5 (2)	1.8 (5)		2.0 (1)	1.0 (1)	

Mpumalanga

Balfour, Balfour Dierenkliniek

Beef: 2

Bethal, Bethal Dierenkliniek

Beef: 2

Ermelo, Môregloed Veterinêre Spreekkamer

Sheep: 1

Grootvlei, Grootvlei Dierenkliniek

Beef: 2, Sheep: 1

Lydenburg, Lydenburg Dierespreekkamer

Beef: 1

Gauteng

Nigel, Nigel Dieren Spreekkamer

Beef: 2

Pretoria, Anima Veterinary Consulting Rooms

Sheep: 1

Limpopo

Mokopane, Bundu Veterinary Services

Beef: 1

North West

Brits, Zodiac Dierenkliniek

Sheep: 2

Christiana, Christiana Dierenhospitaal

Beef: 3, Sheep: 3

Klerksdorp, Klerksdorp Dierenhospitaal

Beef: 2

Schweizer-Reneke, Buffeloord Dierenkliniek SR

Beef: 2

Ventersdorp, Ventersdorp Dierenkliniek

Beef: 2

Vryburg, Molopo Dierenkliniek

Beef: 2

Free State

Bloemfontein, Dr Stephan Wessels

Beef: 1

Dewetsdorp, Platkop Dierenkliniek

Sheep: 1

Ficksburg, Oosvrystaat Dieren Produkte

Beef: 2, Sheep: 2

Hoopstad, Hoopstad Dierenkliniek

Beef: 3, Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Dairy: 2

Memel, Memel Veterinary Clinic

Beef: 2, Sheep: 1

Reitz, Riemland Dierehospitaal

Beef: 2, Sheep: 2

Viljoenskroon, Viljoenskroon Dierenkliniek

Beef: 2

Villiers, Wilgepoort Veedienste

Beef: 2

Vrede, Saulshoek Dierenpraktyk

Beef: 2

Vrede, Vrede Dierehospitaal

Beef: 1

Warden, Warden Dierenkliniek

Beef: 2

Winburg, Winburg Dierenkliniek

Beef: 3

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

Beef: 2

Camperdown, Camperdown Vet Clinic

Beef: 1

Estcourt, Estcourt Vet Clinic

Beef: 1

Howick, Howick Veterinary Clinic

Beef: 2, Dairy: 3

Mooi River, Mooirivier Vet Clinic

Beef: 2

Mtubatuba, Mtubatuba Animal Clinic

Beef: 1

Underberg, Underberg Veterinary Surgery

Beef: 3

Especially beef cows, suspect an excessive amount of good quality veld available early this year from good rains that have caused an extra growth of the foetus in the last trimester. DAIRY COWS- numbers are just exceeding management

Dairy: 3

Eastern Cape**Alexandria, Alexandria Platteland Spreekamer**

Dairy: 2

Western Cape**Darling, Tygerberg Dierehospitaal Darling**

Beef: 1

Malmesbury, Bergzight Dierehospitaal

Beef: 1, Dairy: 2, Sheep: 2

Stellenbosch, Stellenbosch Animal Hospital

Beef: 1, Dairy: 1

Swellendam, Swellendam Dierehospitaal

Dairy: 2

Worcester, Durban Straat Dierenkliniek Worcester

Beef: 2

Northern Cape**Kimberley, Kimberley Dierenkliniek**

Beef: 2, Sheep: 1

Postmasburg, Postmasburg Dierenkliniek

Beef: 2

Endometritis

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

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

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

Free State

Warden, Warden Dierenkliniek

Beef: 1

Kwazulu-Natal

Howick, Howick Veterinary Clinic

Dairy: 3

Western Cape

Caledon, Caledon Dierenkliniek

Dairy: 3

Malmesbury, Bergzicht Dierehospitaal

Dairy: 3

Metritis

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

Mpumalanga

Balfour, Balfour Dierenkliniek

Beef: 1

Gauteng

Pretoria, Anima Veterinary Consulting Rooms

Sheep: 1

North West

Christiana, Christiana Dierehospitaal

Beef: 3

Free State
Bloemfontein, Dr Stephan Wessels
Beef: 2
Senekal, Senekal Dierenkliniek
Dairy: 3
Kwazulu-Natal
Howick, Howick Veterinary Clinic
Dairy: 3
Eastern Cape
Humansdorp, Humansdorp Veterinary Clinic
Beef: 1
Western Cape
Caledon, Caledon Dierenkliniek
Dairy: 3
Darling, Tygerberg Dierenhospitaal Darling
Beef: 3
Malmesbury, Bergzicht Dierenhospitaal
Dairy: 2
Malmesbury, Dr Otto Kriek
Dairy: 1

Poor conception										▲
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape	
Average		1.5 (2)			2.0 (4)	2.8 (4)	3.0 (2)	2.2 (6)	1.0 (1)	

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

Beef				1.7 (3)	2.5 (2)	3.0 (1)	2.0 (1)			
Dairy					3.0 (2)	3.0 (1)	2.3 (4)			
Sheep		1.5 (2)		3.0 (1)			2.0 (1)	1.0 (1)		

Gauteng
Bapsfontein, Bapsfontein Dierenhospitaal
Sheep: 1
Pretoria, Anima Veterinary Consulting Rooms
Sheep: 2
Free State
Kroonstad, Kroonstad Dierenhospitaal
Beef: 1
Memel, Memel Veterinary Clinic
Beef: 2
Villiers, Wilgepoort Veedienste
Sheep: 3
Warden, Warden Dierenkliniek
Beef: 2
Kwazulu-Natal
Howick, Howick Veterinary Clinic
Beef: 2, Dairy: 3

Mooi River, Mooirivier Vet Clinic

Beef: 3

Underberg, Underberg Veterinary Surgery

Dairy: 3

Eastern Cape**Alexandria, Alexandria Platteland Spreekamer**

Dairy: 3

Humansdorp, Humansdorp Veterinary Clinic

Beef: 3

Western Cape**Caledon, Caledon Dierekliniek**

Dairy: 3

Darling, Tygerberg Dierehospitaal Darling

Beef: 2

Malmesbury, Dr Otto Kriek

Dairy: 1

Malmesbury, Invitrotech

Dairy: 3

72 cattle culled

Swellendam, Swellendam Dierehospitaal

Dairy: 2

Ovarian cysts

Vredenburg, Vredenburg Dierehospitaal

Sheep: 2

On sonar ewes having single and twins are documented as average

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

Sheep: 1

On scanning, good conception rate (7% to 60%)

Retained afterbirth										
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 (5)	2.3 (4)		1.5 (4)		
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported										
Beef				1.0 (1)	1.7 (3)	2.0 (3)				
Dairy		1.0 (1)			2.5 (2)	3.0 (1)		1.5 (4)		

Gauteng**Nigel, Nigel Diere Spreekamer**

Dairy: 1

North West**Christiana, Christiana Dierehospitaal**

Beef: 1

Free State**Bloemfontein, Dr Stephan Wessels**

Beef: 1

Excelsior, Weltevrede Dierekliniek

Dairy: 3

Senekal, Senekal Dierekliniek

Dairy: 2

Villiers, Wilgepoort Veedienste

Beef: 2

Winburg, Winburg Dierekliniek

Beef: 2

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

Beef: 2

Howick, Howick Veterinary Clinic

Dairy: 3

Mtubatuba, Mtubatuba Animal Clinic

Beef: 1

Underberg, Underberg Veterinary Surgery

Beef: 3

Western Cape**Darling, Tygerberg Dierehospitaal Darling**

Dairy: 1

Malmesbury, Bergzight Dierehospitaal

Dairy: 2

Malmesbury, Dr Otto Kriek

Dairy: 2

Not all nutritionists seem to have the right formula for close-up cow rations. This because of the cost factor of mixing a decent close-up ration. In this case one can apply the saying: "Goedkoop koop is duur koop".

Stellenbosch, Stellenbosch Animal Hospital

Dairy: 1

Sheath Prolaps

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

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

Beef	2.0 (1)	1.5 (2)	1.0 (3)	1.0 (1)
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Gauteng**Nigel, Nigel Diere Spreekamer**

Beef: 2

Free State**Hoopstad, Hoopstad Dierekliniek**

Beef: 2

Wesselsbron, Wesselsbron Dierekliniek

Beef: 1

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

Beef: 1

Mtubatuba, Mtubatuba Animal Clinic

Beef: 1

Pongola, Pongola Animal Clinic

Beef: 1

Northern Cape**Kuruman, Kuruman Dierekliniek**

Beef: 1

Uterus prolaps										
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape	
Average	1.0 (3)	1.0 (1)		1.0 (1)	1.3 (9)	2.0 (1)		1.0 (3)	1.0 (1)	

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

Beef	1.0 (1)	1.0 (1)		1.0 (1)	1.4 (7)			1.0 (1)	1.0 (1)
Dairy						2.0 (1)		1.0 (2)	
Sheep	1.0 (2)				1.0 (2)				

Mpumalanga**Bethal, Bethal Dierekliniek**

Beef: 1

Ermelo, Môregloed Veterinêre Spreekkamer

Sheep: 1

Lydenburg, Longtom Dierekliniek

Sheep: 1

Gauteng**Nigel, Nigel Diere Spreekkamer**

Beef: 1

North West**Vryburg, Molopo Dierekliniek**

Beef: 1

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

Beef: 2

Bothaville, Bothaville Dierekliniek

Beef: 1

Ficksburg, Oosvrystaat Diere Produkte

Beef: 1, Sheep: 1

Hoopstad, Hoopstad Dierekliniek

Sheep: 1

Memel, Memel Veterinary Clinic

Beef: 1

Reitz, Riemland Dierehospitaal

Beef: 2

Wesselsbron, Wesselsbron Dierekliniek

Beef: 1

Winburg, Winburg Dierekliniek

Beef: 2

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

Dairy: 2

Western Cape

Malmesbury, Bergzight Dierehospitaal

Beef: 1, Dairy: 1

Malmesbury, Invitrotech

Dairy: 1

Northern Cape

Postmasburg, Postmasburg Dierekliniek

Beef: 1

Vaginal (Cervical) prolaps



PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (2)			2.0 (2)	2.1 (7)	1.6 (7)		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)		2.0 (2)	2.0 (4)	1.8 (5)		1.0 (1)	
Sheep	1.0 (1)			2.3 (3)			1.0 (1)	
Goat					1.0 (2)			

Mpumalanga

Ermelo, Môregloed Veterinêre Spreekkamer

Sheep: 1

Grootvlei, Grootvlei Dierekliniek

Beef: 1

North West

Brits, Brits Dierekliniek

Beef: 2

Vryburg, Molopo Dierekliniek

Beef: 2

Free State

Bultfontein, Greylingsrust Dierespreekkamer

Sheep: 2

Clocolan, Clocolan Dierekliniek

Sheep: 2

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Reitz, Riemland Dierehospitaal

Beef: 2

Senekal, Senekal Dierekliniek

Beef: 1

Winburg, Winburg Dierekliniek

Beef: 2

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Camperdown, Camperdown Vet Clinic

Goat: 1

Eshowe, Eshowe Veterinary Hospital

Beef: 2, Goat: 1

Howick, Howick Veterinary Clinic

Beef: 2

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2

Pietermaritzburg, Veterinary House Hospital

Beef: 1

Western Cape**George, George Animal Hospital**

Sheep: 1

Stellenbosch, Stellenbosch Animal Hospital

Beef: 1

Climatical Cause**Drought**

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

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

Sheep

2.0 (1)

Western Cape**Vredenburg, Vredenburg Dierehospitaal**

Sheep: 2

West Coast dry and windy

Lightning

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.5 (2)			1.0 (1)	1.8 (10)				

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

Beef

1.5 (2)

1.0 (1)

1.8 (10)

Mpumalanga**Bethal, Bethal Dierekliniek**

Beef: 1

Lydenburg, Longtom Dierekliniek

Beef: 2

North West**Rustenburg, Bergbos Dierekliniek**

Beef: 1

Free State**Dewetsdorp, Platkop Dierekliniek**

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									
Malmesbury, Invitrotech									
Dairy: 3									
Hermaphrodite									
Predators									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	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)				2.0 (1)				
Sheep	2.0 (1)				2.3 (3)			2.0 (1)	
Mpumalanga									
Lydenburg, Longtom Dierekliniek									
Beef: 2, Sheep: 2									
Free State									
Clocolan, Clocolan Dierekliniek									
Beef: 2, Sheep: 2									
Gariepdam, Gariep Dierekliniek									
Sheep: 3									
150 lambs killed by caracal and jackals over 2 months period									
Vrede, Saulshoek Dierepraktyk									
Sheep: 2									
Western Cape									
Piketberg, Piketberg Dierehospitaal									
Sheep: 2									
Leopard killed 5 ewes									
Sabotation/Theft									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average					2.3 (7)	2.0 (1)		2.0 (1)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									

Beef	2.0 (3)	2.0 (1)
Sheep	2.5 (4)	2.0 (1)

Free State

Clocolan, Clocolan Dierekliniek

Beef: 2, Sheep: 3

Villiers, Wilgepoort Veedienste

Sheep: 3

Warden, Warden Dierekliniek

Beef: 2, Sheep: 2

Winburg, Winburg Dierekliniek

Beef: 2, Sheep: 2

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Western Cape

George, George Animal Hospital

Sheep: 2

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

Mpumalanga

Bethal, Bethal Dierekliniek

Beef: 2

Lydenburg, Longtom Dierekliniek

Beef: 2, Sheep: 2

Gauteng

Bronkhorstspruit, Kerkstraat Dierekliniek

Beef: 1

Hammanskraal, Themba Animal Clinic

Beef: 2, Goat: 1

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 2

Laceration

Limpopo

Mokopane, Bundu Veterinary Services

Beef: 1

Northern Cape

Kimberley, Kimberley Dierekliniek

Beef: 2

Bruising at abattoir 2; Injection site 1

Traumatic Reticulo-pericarditis										<u>▲</u>
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape	
Average	1.0 (1)				1.0 (1)	1.0 (2)		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)		1.0 (2)		
Dairy					1.0 (1)	1.0 (1)				

Mpumalanga

Bethal, Bethal Dierekliniek

Beef: 1

Free State

Kroonstad, Kroonstad Dierehospitaal

Dairy: 1

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Dairy: 1

Newcastle, Ncanduvet Newcastle

Beef: 1

Western Cape

Darling, Tygerberg Dierehospitaal Darling

Beef: 1

Worcester, Durban Straat Dierekliniek Worcester

Beef: 1