

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

July 2018

(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 (109) submitted reports during July 2018:

Mpumalanga (12)

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

Gauteng (7)

Bronkhorstspuit – Dr. De Bruin, De Bruin and Labuschagne
Hammanskraal – Dr. Hentie Engelbrecht
Magaliesburg – Dr. Ryan Jeffery
Muldersdrift – Dr. Clare Speedy and Enslin
Onderstepoort Veterinary Academic Hospital – Proff. Annandale, Shakespear, Holm, Pettay and Drs, Fitte, Grobler, Hamman, Koepfel, Leask, Mabu, Marufu, Mokoele, O'Dell, Tshuma and Van der Leek
Pretoria – Dr. Hanneke Pienaar
Vanderbijlpark – Dr. Kobus Kok

Limpopo (5)

Mokopane (Potgietersrust)- Dr. Henk Visser

Mokopane - Dr. Alwyn Venter (CCS)

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

Tzaneen – ZZ2 Farm practice

Vaalwater – Dr. Hampie van Staden

North West (8)

Brits – Dr. Boshoff and Coertze

Christiana - Dr. Pieter Nel

Klerksdorp – Drs. Geral, Theron, Van den Berg and Van den Berg

Klerksdorp – Drs. Coetzee and Venter

Leeudoringstad – Dr. Ian Jonker

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

Stella - Dr. Magdaleen Vosser

Ventersdorp/ Koster –Drs. Benadé and Van der Merwe

Free State (19)

Clocolan – Drs. Wasserman and Basson

Dewetsdorp – Dr. Marike Badenhorst

Excelsior/Ladybrand – Drs. Dedré Nel and De Vos

Ficksburg – Drs. Kotzé and Coetzer

Frankfort - Drs. Lessing, Cilliers and Janse van Rensburg

Hertzogville – Dr. Nico Hendrikz

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

Smithfield – Dr. Nienke van Hasselt

Viljoenskroon – Dr. Johan Kahts

Villiers – Drs. Hattingh and Hauptfleisch

Vrede – Drs. Myburgh, Bester-Cloete and Bester

Wesselsbron – Dr. Johan Jacobs

Winburg – Drs. Albertyn and Albertyn

Zastron – Drs. Troskie and Strauss

KwaZulu-Natal (10)

Bergville - Dr. Ariena Shepherd

Bergville – Dr. Jubie Muller

Camperdown – Dr. Anthony van Tonder

Dundee – Drs. Marais, Fynn and Reynolds
Estcourt – Drs. Turner, Tedder, Taylor, Tratschler, Van Rooyen and Alwar
Mtubatuba – Dr. Trever Viljoen
Pietermaritzburg – Dr. Phillip Kretzmann
Pongola – Dr. Heinz Kohrs
Underberg - Drs. Collins, King and Delaney
Vryheid – Drs. Theron and Theron

Eastern Cape (13)

Alexandria - Dr. Johan Olivier
Alexandria – Riverview Trading Vet
Aliwal North – Drs. Troskie and Strauss
Bathurst – Dr. Jane Pistorius
Cofimvaba – State Veterinarian
Cradock – Dr. Frans Erasmus
Graaff-Reinet - Dr. Roland Larson
Humansdorp – Drs. Van Niekerk, Jansen Van Vuuren and Davis
Jeffreys Bay – Drs. Lategan, Hoek and McFarlane
Kareedouw – Dr. Marten Bootsma
Somerset East – Drs. Farrel, Louw and Ross
Uitenhage – Drs. Mulder and Krüger
Witelsbos – Dr. Elmien Kotze

Western Cape (20)

Beaufort West - Dr. Jaco Pienaar
Beaufort West – Dr. Bennie Grobler
Caledon – Drs. Retief, Coetzer and Janssen
Caledon – Drs. Louw and Viljoen
Ceres – Drs. Pieterse, Wium, De Villiers and Scheepers
Darling – Drs. Van der Merwe, Adam and Senekal
George – Drs. Strydom, Truter and Pettifer
Heidelberg – Dr. Albert van Zyl
Malmesbury – Dr. Otto Kriek
Malmesbury – Dr. Markus Fourie
Malmesbury – Dr. Andries Lesch
Oudtshoorn – Dr. Glen Carlisle
Piketberg – Dr. André van der Merwe
Plettenberg Bay – Dr. André Reitz
Riversdale – Drs. Du Plessis, Taylor and De Bruyn
Swellendam – Dr. Jacques Malan
Tulbagh – Drs. Hamman, Wilson and Triegaardt
Vredenburg – Dr. Izak Rust

Wellington – Dr. William van Zyl
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 – Dr. Joseph van Heerden
Kuruman – Dr. Gerhard van der Westhuizen
Postmasburg – Dr. Boeta van der Merwe
Upington – Drs. Vorster and Visser

Feedlots (2)

Drs. Morris and Du Preez
Dr. Andy Hentzen

Laboratory reports (5)

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

Summary

This month the focus is on zoonosis

A book on zoonotic diseases has recently been published: Animal diseases and man ZOONOSIS written by Drs. Jan H du Preez and Gert P du Preez, ISBN: 978-0-620-78375-0. To order a copy contact Dr. Jan du Preez at drjanh.dupreez@gmail.com

The following is quoted from the book:

“A zoonosis is any disease or infection naturally transmissible from vertebrate animals to humans and *vice versa*. Humans are often an incidental host that acquire disease through close contact with an infected animal that may or may not be symptomatic.

More than 200 zoonoses of various types are recognised worldwide. They can be caused by a range of disease-causing agents such as viruses, bacteria and many more. Of 1 415 disease-causing agents known to infect humans, 61% are zoonotic. Statistical data indicate that 15% or more of the human population will pick up a zoonotic infection at some stage of their lives.

Zoonosis can be prevented and controlled through the necessary knowledge and information. There is no reason to fear animals or avoid them to protect oneself from zoonosis, and this book, the result of collaboration between experts in veterinary and human medicine, presents the message very clearly: continue to enjoy your relationships with companion and other animals, the pleasure of watching and interacting with wildlife, fishing, working with animals and eating whatever your favourite food may be, as long as you are aware of possible risks. Take the appropriate hygienic precautions in terms of their health and yours to avoid infection.

Visit: www.zoonosis.co.za; info@zoonosis.co.za

Disease outbreaks present a global one health challenge

Lesley van Helden, State Veterinarian Epidemiology, Veterinary Services, Western Cape Department of Agriculture

The International One Health Congress takes place every second year and aims to bring together academics and policy makers in the fields of human, animal and environmental health to address challenges which exist at the intersection of these fields. This year, I attended the fifth congress, which was held in the Canadian city of Saskatoon and addressed several important topics. One which emerged as a common issue globally was the threat of disease outbreaks.

Zoonotic diseases represent the biggest potential risk of causing the next global pandemic. However, they are currently the cause of approximately a billion cases of illness and a million deaths each year. This represents a chronic burden in terms of health, welfare and economic prosperity in areas where these diseases are endemic. Strategies when dealing with disease outbreaks must therefore be structured to respond to current problems as well as to anticipate future issues. This can be achieved using an approach that places equal emphasis on the aspects of outbreak prevention, preparedness and response.

Preventing emergence of new diseases is the first aspect that needs to be tackled in prevention of epidemics. Using the same principle as capture-recapture to estimate animal populations, the Global Virome Project has estimated that **there are 1.67 million unique viruses yet to be discovered in bird and animal populations worldwide, some of which may have the potential to infect multiple species.** As susceptible new hosts are increasingly exposed to a novel pathogen, there is more opportunity for that pathogen to adapt to cause disease in that species. Once the disease is established in a species that has frequent contact with humans, this process can be repeated, increasing the chances of the pathogen adapting to infect people. When human health is directly affected by an outbreak of a zoonotic disease, the costs of disease control and dealing with the impact of the pathogen increase rapidly (fig 1). Studies have shown that risk factors for disease emergence are the same as drivers of biodiversity loss i.e. changes in land use and the food production industry. Protecting biodiversity is therefore important for preventing disease epidemics, but this is a challenge as many places with high biodiversity experience frequent conflict and natural disasters, leading to weak public health and environmental protection systems. A study presented from Cote d'Ivoire provided an example of how land use change from primary forest to agricultural land for growing crops drives emergence of disease. The species diversity and behaviour of

Aedes mosquitoes in and around forests was compared. Mosquito diversity was much lower outside the forest, with *Aedes aegypti* being the predominant species found outside the forest. Furthermore, mosquitoes outside the forest were far more likely to bite people because they had adapted to do so in the absence of other hosts. *Aedes aegypti* is known for being an effective vector of diseases to humans, including yellow fever, dengue fever, chikungunya and Zika virus. The risk of contracting an arbovirus was therefore higher for people outside the forest than in it.

Once a disease has become capable of infecting a population of animals or people, outbreaks can be prevented by breaking the cycle of transmission. To achieve this, ensuring availability of and access to clean water and good sanitation is of paramount importance. **In agricultural settings, excellent biosecurity should be practiced in accordance with good farming practices.** Vaccination is also a very valuable tool. A study by the One Health Institute at the University of California, Davis that produced a model forecasting spread of influenza viruses in Rwanda showed that vaccination of main population centres hugely decreases the risk of nationwide viral disease outbreaks, no matter where the virus initially enters the country. However, vaccine usage challenges exist worldwide, including accessibility, storage (especially where the cold chain cannot be maintained) and the anti-vaxxer movement.

Because it is impossible to prevent all disease outbreaks, **preparedness** is as important as prevention. Disease outbreaks should be planned for with the assumption that they will happen, rather than the idea that they may or may not happen. Every country and region should have contingency plans detailing actions to be taken in the event of a disease outbreak, and these plans should be tested and updated frequently by performing outbreak simulation exercises.

Unfortunately, the benefit of prevention and preparedness activities is usually not directly measureable, meaning that most countries struggle to secure funding for these purposes, instead receiving additional government funding for crisis reaction only after a disaster has occurred.

Regardless, response to disease outbreaks is an area of vital importance and one in which there are the most initiatives to making one health operational. Disease outbreaks represent a threat not only to health, but disrupt economic and social systems and can have catastrophic effects on food safety and security, community structures, economic opportunities and education. When disease outbreaks occur in resource-poor communities, the cycle of poverty is aggravated.

Outbreak response must therefore aim to tackle not only the control of the disease itself, but the negative effects caused by the disease to reduce the impact of the outbreak. For instance, the effect of disease outbreaks on travel, tourism and trade is often much more severe than the direct losses caused by the disease. For instance, when H1N1 influenza (also known as swine flu) emerged in Mexico, the number of tourists visiting the country dropped by one million over the following year, resulting in a loss of \$1.2 billion to the tourism industry. **During the Rift Valley fever outbreak in South Africa in 2010 and 2011, wool production dropped by 2.2 million kg due to both direct stock losses and the resulting trade bans that were implemented by several countries.**

It is therefore in the interest of all industries and communities to strengthen public health systems, including human, animal and environmental health, and those potentially affected by disease outbreaks

should be consulted during contingency planning and disease outbreak response.

References and further reading:

The World Bank has released a report detailing the role each sector of the economy can play in strengthening public health systems, available at <http://documents.worldbank.org/curated/en/961101524657708673/One-health-operational-framework-for-strengthening-human-animal-and-environmental-public-health-systems-at-their-interface>

The Fifth International One Health Congress:

<https://onehealthplatform.com/international-one-health-congress>

The Global Virome Project: <http://www.globalviromeproject.org/>

Zahouli et al., 2017 Effect of land-use changes on the abundance, distribution, and host-seeking behavior of *Aedes* arbovirus vectors in oil palm-dominated landscapes, southeastern Côte d'Ivoire. *PLOS ONE*. <https://doi.org/10.1371/journal.pone.0189082>

Thank you to all the presenters and colleagues at the Fifth International One Health Congress who shared their work and ideas incorporated in this article.

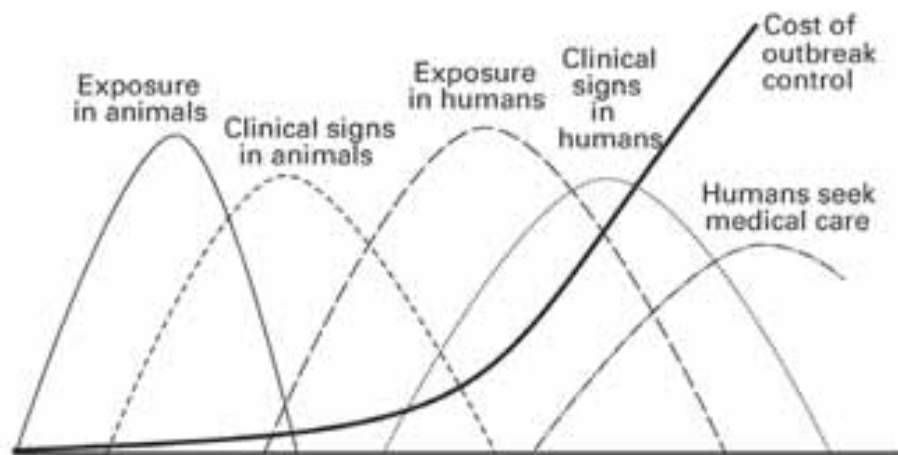


Figure 1: A hypothetical scenario in which a zoonotic pathogen is transmitted from animals to humans. Early intervention in outbreaks of zoonotic disease prevents both human cases and associated costs.

Source: World Bank 2012/ adapted from IOM (2009)

In May there had been an outbreak of Rift Valley Fever in the Jacobsdal area of the Free State. Be prepared for the next outbreak in your area!!

Rift Valley Fever is a zoonotic disease.

“The symptoms are suggestive of influenza, have a rapid onset and consist of rigors, fever, headache and pain in muscles, back and joints. Many people recover uneventfully but a variable percentage may develop more severe symptoms, the liver may be affected and the patient is inclined to haemorrhage. Several other symptoms may also follow infection, including involvement of the eyes.”
(J H du Preez, et al, 2017)

Farmers are advised to vaccinate their animals against Rift Valley Fever. Live vaccines can only be used in non-pregnant animals as the live vaccine can cause abortions.

Only dead inactivated vaccines must be used in pregnant animals.

Please take care when vaccines are administered after outbreaks have been detected. Use a sterile needle for each animal as the virus can be spread between animals if the animals are in the incubation period. Animals in the incubation period will have a virus infection but will not show symptoms of the disease yet.

Bovine brucellosis control should continuously be on the mind of every cattle and game farmer!

Get involved in controlling Bovine Brucellosis – visit www.nahf, click on Information centre, click on Brucellosis.

Why should I test my cattle for brucellosis?

Brucellosis is a herd disease – this means if you even have a single infected animal, it affects the status of your whole herd! An infected cow will rapidly infect the rest of your herd if not identified and slaughtered before calving.

Brucellosis causes reproduction and production losses in affected herds, which decreases financial turnover.

Brucellosis is a misleading disease as abortions may not always occur, abortions are not always noticed and affected cattle may appear visibly healthy. Only through testing can brucellosis be confirmed.

The disease is a zoonosis which can infect you, your family and your workers. Infection may lead to chronic and debilitating disease.

If you have recently bought in animals from an auction or a herd with no proof that the herd of origin was recently tested for bovine brucellosis (CA3 declaration), you could have bought in positive or latently positive animal(s).

If neighbouring farms or farms you access for grazing are positive for brucellosis, your cattle could have contracted the disease.

If you do not know your status and you are farming with brucellosis unknowingly, you are contributing to the brucellosis risk of our national cattle herd.

Always be aware of all possible ways how your herd can become infected with the bacteria, *Brucella abortus*.

Just one miss step may be the beginning of misery!

Remember this is a herd disease!

If one animal is tested positive, the herd is seen as positive until proved to be negative according to the brucellosis scheme!

Brucellosis is a State controlled disease.

Brucellosis is a zoonosis – a disease transmitted from animals to humans

A check list has been drawn up to help you calculate what the risk is of bringing the *Brucella* bacteria onto your farm.

Below is a map of new outbreaks of bovine brucellosis as supplied by DAFF.

It should be emphasized that all cases of State controlled and notifiable diseases have to be reported to the State Veterinary services!

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

It is with great concern that animals that have aborted are sold at auctions without the herd and specific animals are tested for bovine brucellosis! Brucellosis is a herd disease.

| | | | |
|----|---|--|--|
| 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 | | |

Below are short and longer versions on using vaccines to help control brucellosis. Please spread this information as wide as possible.

Brucellosis

Play your part in the war on brucellosis – don't wait until it's too late; vaccinate!

Bovine brucellosis, caused by *Brucella abortus*, is reported across all 9 provinces of South Africa especially in the central and Highveld regions. Bovine Brucellosis mainly causes abortion in cattle and can infect most other mammals, including humans.

Brucellosis may occur in persons who are exposed to infected animals, particularly through aborted and normal fetal material of infected cows, and through the consumption of unpasteurised milk. Symptoms in infected persons include profuse sweating mostly during the night, fever, extreme tiredness, aches in bones and joints, especially the lower back, hip or knee joints.

All female cattle between the ages of 4-8 months have to be vaccinated against brucellosis with a registered product to help protect the national cattle herd.* Vaccination helps to decrease shedding of *Brucella* bacteria from infected animals – this helps to limit the spread of brucellosis within a herd and decreases the infection pressure. Always use vaccines according to the manufacturer's instructions. Contact your private veterinarian or state veterinary services for more information.

5 keys to controlling brucellosis:

Vaccination is one of the important tools used to control and prevent brucellosis. Vaccination of all heifers between 4-8 months is required. Do not vaccinate male cattle.

Know your status - test your cattle herd for brucellosis.

Only buy cattle from recently tested, brucellosis negative herds.

Don't share grazing with untested cattle and ensure that your fences are intact.

If you have brucellosis in your herd, follow the advice of your state veterinarian to get rid of the infection as quickly as possible (branding, separation, vaccination and slaughter). Delays in action against the disease will increase losses and prolong quarantine.

Let's all play our part to protect each other – our cattle's health, our own health and our livelihoods.

*Brucellosis is a controlled disease under the Animal Diseases Act, 1984 (Act No 35 of 1984).

Play your part in the war on brucellosis

Don't wait until it's too late - vaccinate! To protect the national cattle herd, all female cattle between the ages of 4-8 months have to be vaccinated against brucellosis with a registered product.*

Vaccination strengthens immunity against brucellosis and decreases bacterial shedding.

S19 vaccine for cattle (Reg. No. G0101. Act 36/1947) or RB51 (Reg. No. G 3056. Act 36/1947) can be used.

Always use vaccines according to the manufacturer's instructions. Contact your private veterinarian or local state veterinary services for more information.

Know your herd's status by testing. Know the status of herds that you buy or receive cattle from by requesting herd test results.

Let's all play our part to protect each other – our cattle's health, our own health and our livelihoods.

*Brucellosis is a controlled disease under the Animal Diseases Act, 1984 (Act No 35 of 1984).

At the following link information needed to educate cattle owners and consumers of unpasteurised dairy products regarding brucellosis are available..

<http://nahf.co.za/category/diseases/brucellosis/>

Translations in the major languages regarding the 5 core facts on bovine brucellosis are available at the following link:

<http://nahf.co.za/translations-for-bovine-brucellosis-5-core-facts-and-a-dozen-things/>

Websites that are there to help you with information regarding animal health:

National Animal Health Forum

www.nahf.co.za

Read what the Forum is all about:

<http://nahf.co.za/about/>

This website will become the information centre of animal health in Southern Africa.

On the toolbar click on **Stakeholders** and you will find links to producer organizations and other organizations who are participating in the NAHF

<http://nahf.co.za/stakeholders/>

Provincial Animal Health Forums have their own site – click on **Provinces** <http://nahf.co.za/provinces/>

Important is to study the Veterinary Strategy (2016 -2026) as it gives direction to where we are going with Animal Health in South Africa.

<http://nahf.co.za/wp-content/uploads/Vet-strategy-final-signed.pdf>

Click on **Info centre** for more information on the “war” we have against Bovine Brucellosis. Please be up to date on the role all have to play to control this zoonotic disease.

<http://nahf.co.za/category/diseases/brucellosis/>

Information on other controlled diseases (Ovine Johne's Disease, Pest of small stock – PPR, and African Horse Sickness) is available.

This link will continuously be updated.

Information on **antibiotic resistance** is also available at this address:

<http://nahf.co.za/category/antibiotic-resistance/>

Rural Veterinary Association of South Africa

www.ruvasa.co.za

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

Landbouweekblad's webpage

www.landbou.com

[Vra vir Faffa](#)

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

Click on Beeste

Click on Siektes

Click on Brusellose

Stop Brusellose

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

Rapportering aan bure of ander eienaars oor die voorkoms van brusellose

Inligting oor brusellose op die NAHF se webblad

Kuddebestuur voor die dekseisoen

Bees Brusellose handleiding

Teenliggaamwaardes om beesbrusellose in koeie te bepaal

Veterinêre Strategie 2016 -2026

‘n Dosyn dinge wat jy moet weet van beesbrusellose

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

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

Vervoer van diere uit ‘n positiewe brusellose kudde

Beheer van brusellose in ‘n beeskudde

Boerderypraktyke wat die gevaar van die voorkoms van brusellose verhoog

Pak brusellose by die horings

Brucellose kan jou lewe verwoes

Brusellose in wild

Bestuur van positiewe besmetlike misgeboorte beeste

Aankoop van beeste wat besmetlike misgeboorte het

Antwoorde oor brusellose

Behandeling van besmetlike misgeboorte

Besmetlike misgeboorte uitbreek in 'n kudde

Gevaar van brusellose onderskat

RB51-inenting teen brusellose in dragtige koeie

Alles oor Besmetlike Misgeboorte (BM)

Kompensasie vir BM en TB positiewe beeste?

Nóg vrae oor besmetlike misgeboorte

Koeie positief getoets vir besmetlike misgeboorte

Vrae, antwoorde oor besmetlike misgeboorte

Brucellose: Wat staan ons te doen?

Internal parasite control

www.wormx.info

IMPORTANT MESSAGE

Animal welfare becomes more and more important!

Visit the website of the Livestock Welfare Coordinating Committee

(www.lwcc.co.za)

Summary of disease report for June 2018

109 Reports from veterinary practices and laboratories were received (Mpumalanga (MP) 12; Gauteng (G) 7; Limpopo (L) 5; Northwest (NW) 8; Free State (FS) 19; KwaZulu-Natal (KZN) 10; Eastern Cape (EC) 13; Western Cape (WC) 20; Northern Cape (NC) 8; Feedlots (FL) 2 and Laboratories (Lab) 5).

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 | |

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

Good rainfall occurred in many areas of the the winter rain fall area. Be aware of brown stomach worm infestation that may become a problem after the severe drought. Use the five point check to keep on top of what is happening in the flock. For further detail contact your local veterinarian.

<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

Wireworm infestations have been reported from 7 provinces. Most farmers think that wireworm is dormant in winter. Check animals for bottle jaw and anaemia. As temperatures rise, be aware of early outbreaks of wireworm infestations.

Cryptosporidiosis in combination with pathogenic *E. coli* is still causing huge problems for cattle, sheep and goat farmers. Young animals are extremely vulnerable. Biosecurity measures should be kept at a high level at all times. The immunity of ewes and cows should be kept at the highest level so that colostrum (passive immunity) could protect their offspring.

External parasites

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

[illegible]

| | | | | | | | | | |
|-----------|---|--|--|--|---|--|--|--|---|
| Nasal bot | x | | | | x | | | | x |
|-----------|---|--|--|--|---|--|--|--|---|

Blue tick infestations were reported from all provinces. 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 as controlling ticks early in spring can prevent large infestations in the summer.

Below is a list of diseases transmitted by ticks.

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 | |
| Asiatic red water | x | | x | | x | x | x | x | |
| Anaplasmosis | x | x | | x | x | x | x | x | x |
| Heartwater | | x | x | x | | x | x | | |
| Lumpy skin disease | | 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!

Anaplasmosis outbreaks were reported in 8 provinces.

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

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.

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>

Bacterial diseases

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

| Bacterial diseases | MP | G | L | NW | FS | KZN | EC | WC | NC |
|--------------------|----|---|---|----|----|-----|----|----|----|
| Anthrax | | | | | | | | | |
| Blackquarter | x | | x | x | x | x | x | x | x |
| Botulism | | | x | | x | | | | |
| Pulpy kidney | | | x | x | x | | x | x | x |
| Lamb dysentery | | x | | | x | | x | x | |
| Swelled head | x | x | | | x | x | | x | |
| Red gut (cattle) | | | | | x | x | x | x | |
| Blood gut (sheep) | x | | | x | | | | | |
| Tetanus | | x | | | x | | x | | x |
| Salmonellosis | x | | | | | | | | |

| | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|
| Bovine brucellosis | x | | x | x | x | x | | | |
| Ovine brucellosis (Ram's disease) | | | | | x | | x | | x |
| Bovine tuberculosis | | | | | | | | | |
| Johne's | | | | x | | | | x | |
| Leptospirosis | | | | | x | | | | |
| Listeriosis | | | | | | | | | |
| <i>Pseudomonas</i> | | | | | | | | | |
| <i>Fusibacterium necrophorum</i> | | | | | | | | x | |
| Septicaemia | | | | | | x | | x | |
| <i>E. coli</i> | x | x | | x | x | x | x | x | x |
| Enzootic abortion | | | | | x | | | | x |
| Lumpy wool | | | | | | | | x | |
| Uterine gangrene | | | | | | | x | | x |
| Bovine dermatophilosis (Senkobo disease) | | | | | | x | | | |
| Wooden tongue | | | | | | | | | |
| Lumpy jaw | | | | | | | | | |

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

When buying animals 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. | <table border="1"><tr><td>YES</td><td>NO</td></tr></table> | YES | NO |
| YES | NO | | |
| 2. The sheep for sale are clearly identified in the accompanying description. | <table border="1"><tr><td>YES</td><td>NO</td></tr></table> | YES | NO |
| YES | NO | | |
| 3. The sheep for sale were born on my farm. | <table border="1"><tr><td>YES</td><td>NO</td></tr></table> | YES | NO |
| YES | NO | | |
| 4. The farm has a closed flock policy. (No live sheep are brought onto the farm from elsewhere) | <table border="1"><tr><td>YES</td><td>NO</td></tr></table> | YES | NO |
| YES | NO | | |
| 5. I know the signs of the disease and to the best of my knowledge, all of my properties are free of cases of Ovine Johne's Disease. | <table border="1"><tr><td>YES</td><td>NO</td></tr></table> | YES | NO |
| YES | NO | | |
| 6. I have actively looked for Ovine Johne's Disease and have had tests done for this. | <table border="1"><tr><td>YES</td><td>NO</td></tr></table> | YES | NO |
| YES | NO | | |
| 7. To the best of my knowledge, my immediate neighbours and farms in my magisterial district of my farm(s) are free of cases of Ovine Johne's Disease. | <table border="1"><tr><td>YES</td><td>NO</td></tr></table> | YES | NO |
| YES | NO | | |

- | | | | |
|--|--|-----|-------|
| 8. The sheep on my properties have been vaccinated against Ovine Johne's Disease and are clearly marked with the approved ear tag. | <table border="1"><tr><td>YES</td><td>NO</td></tr></table> | YES | NO |
| YES | NO | | |
| 9. All lambs born are vaccinated | <table border="1"><tr><td>YES</td><td>NO</td></tr></table> | YES | NO |
| YES | NO | | |
| 10. If vaccinated, the number of years that the vaccinations have been done is | <table border="1"><tr><td></td><td>years</td></tr></table> | | years |
| | 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: _____

District: _____

OWNER OR AUTHORIZED
REPRESENTATIVE

The use of this declaration is supported by the following organisations:



UNIVERSITEIT VAN PRETORIA
UNIVERSITY OF PRETORIA
UNIVERSITÄT VAN PRETORIA



RUVASA
Council of the Veterinary Research Institute of South Africa



Viral diseases

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

| Viral diseases | MP | G | L | NW | FS | KZN | EC | WC | NC |
|---------------------------------------|-----------|----------|----------|-----------|-----------|------------|-----------|-----------|-----------|
| BMC (snotsiekte) | | x | x | x | x | | | x | |
| Rabies (cattle) | | | | | x | | x | | |
| BVD | x | x | | | | | x | x | x |
| IBR | x | | | | | x | x | | |
| BRSV | | | | | | | | | |
| PI3 | | | | | | | | | |
| Maedi visna virus | | | | | | | | | |
| Rotavirus / Coronavirus | | | | | | | | x | |
| Enzootic bovine leucosis (EBL) | | | | x | x | x | x | x | |
| Sheep leucosis | | | | | | | | | |
| Jaagsiekte | | | | | | | | | |
| Orf | x | x | x | x | x | x | x | x | x |
| Warts | x | x | | x | x | x | | x | x |

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

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

Keep cattle and wildebeest well separated especially when wildebeest are under stress!

Discuss vaccination programmes and biosecurity measures with your veterinarian.

Fungal diseases

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

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

Protozoal diseases

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

Toxicities

The following toxicities were reported by practices in the provinces:

| Toxicities | MP | G | L | NW | FS | KZN | EC | WC | NC |
|---|----|---|---|----|----|-----|----|----|----|
| Cardiac glycoside | | | | | x | | | x | |
| Slangkop | | | | | | | | | |
| Crotolaria | | | | | | | | | |
| Gifblaar | | x | | | | | | | |
| Gousiekte | | | | | | | | | |
| <i>Cestrum</i> (ink berry) | | x | | | x | | x | | |
| Tulip | x | | | x | x | x | x | x | |
| <i>Cynanchum</i> (bobbejaantou) | | | | | | | x | x | |
| Facial eczema | | | | | | | | x | |
| <i>Lantana</i> | x | | x | | | x | | | |
| Prussic acid | | | | | | | | | |
| <i>Senecio</i> | | | | | x | | | | |
| <i>Cotula nigellifolia</i> (stagger wood) | | | | | | | | | |
| Geeldikkop (duwweltjies) and dikoor | | | | | | | | | |
| Vermeersiekte | x | x | | | x | | | | x |

| | | | | | | | | | |
|--------------------|--|--|--|--|--|--|--|--|---|
| Organophosphate | | | | | | | | | |
| Zinc phosphide | | | | | | | | | |
| Pyrethroid | | | | | | | | | |
| Amitraz | | | | | | | | | |
| Levamisole | | | | | | | | | |
| Ivermectin | | | | | | | | | |
| Tilmicosin | | | | | | | | | |
| Bromoxynil nitrate | | | | | | | | | |
| Ionophor | | | | | | | | | |
| Monensin | | | | | | | | | x |
| Hypo | | | | | | | | | |
| Diazinon | | | | | | | | | |
| Chicken litter | | | | | | | | | |

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

Do have activated charcoal on the farm as the antidote for tulip poisoning!

Toxic plants are sometimes eaten by young animals that do not know these plants. Be aware of this situation and know where these plants are growing on the farm.

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

www.landbou.com

Vra vir Faffa

Klik op Indeks van antwoorde

Klik op Beeste of Skape

Klik op Vergiftigings

Klik op die Opskrifte

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

A few cases of Lantana-poisoning were reported.

Research are being done to control Lantana:

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

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

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

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

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

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

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

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

Nutritional deficiencies

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

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

Micro-nutritional deficiencies

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

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

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

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

Beware of fluoride poisoning as borehole water levels drop.

Supplement animals with vitamin A during winter and drought conditions.

Multifactorial diseases and other conditions

The following conditions were reported by practices in the provinces

[illegible]

| | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|
| Traumatic reticulo-pericarditis | | | | | | | | X | |
| Trauma | | X | X | X | X | X | | X | X |
| Teeth wear | | | | | | | | | |
| Plastic bags (ingestion) | | | | | | | | | |
| Downer | X | | X | | X | | X | X | X |
| Anaphylactic shock | | | | | | | | | X |
| Vestibular syndrome (middle ear infection) | | X | | | | | | | |

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

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

Pneumonia and lameness (foot conditions) are wide spread.

Metabolic diseases

The following diseases were reported by practices in the provinces:

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

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

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

Reproductive diseases

| Reproductive diseases | MP | G | L | NW | FS | KZN | EC | WC | NC |
|-----------------------|----|---|---|----|----|-----|----|----|----|
|-----------------------|----|---|---|----|----|-----|----|----|----|

| | | | | | | | | | |
|------------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Dystocia (difficult births) | x | x | | x | x | x | x | x | x |
| Endometritis | | | | | | | x | x | |
| Hydrops | | | | | | | | | |
| Metritis | x | | | x | x | | x | x | x |
| Poor conception | x | x | x | x | x | x | x | x | x |
| Retained afterbirth | x | | | x | x | x | x | x | |
| Sheath prolaps | x | | | | x | x | x | | x |
| Uterine prolaps | x | x | x | | x | x | x | x | |
| Vaginal prolaps | x | x | x | x | x | x | x | x | x |
| Penis injury | | | | | | | | | |
| Orchitis | | | | | | | | | |

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

Environmental conditions

| | MP | G | L | NW | FS | KZN | EC | WC | NC |
|-------------------------|-----------|----------|----------|-----------|-----------|------------|-----------|-----------|-----------|
| Exposure to cold | | x | | x | x | | | x | |
| Frozen to death | | | | | | | | x | |
| Heat stress | | | | | | | | | |
| Lightning | x | | | | | | x | | |
| Electrocution | | | | | | | | | |
| Drought | | | | | | | x | x | |

Be prepared when cold spells and snow fall are forecasted.

Other conditions

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

Bathurst – Dr. Jane Pistorius

Cape Town – Sophette Gers

Cradock – Dr. Frans Erasmus

Kaapmuiden – Dr. Silke Pfitzer

Mokopane – Dr. Alwyn Venter (SV)

Piketberg – Dr. André van der Merwe

Tulbagh – Dr. Dirk Triegaardt

Vanderbijlpark – Dr. Kobus Kok

Game

Gauteng

Pretoria

Intestinal round worms – 2
Resistant round worms - - 1
Blue ticks – 1
Brown ear ticks – 1
Abscesses - 1

**North West
Klerksdorp**

Gasgangrene (harsslagsponssiekte) – Letchwes 10 died

KwaZulu-Natal

Bergville

Intestinal roundworms – 2
Diarrhoea – 2
Ophthalmia – 2
Capture myopathy – 1 Eland

**Monthly report on Livestock and Wildlife isolations for July 2018 from
Vetdiagnostix –Microbiology Laboratory, supplied by dr. Marijke Henton
(henton@vetdx.co.za)**

Bacteriology

During the cold spell in July, respiratory tract samples from cattle yielded *Pasteurella multocida* [10], *Mannheimia haemolytica* [4], *Histophilus somni* [5], *Mannheimia* species [2] and *Mycoplasma* [1]. *Histophilus somni* was also cultured from a case of bovine vesiculitis.

Mannheimia haemolytica was also isolated from respiratory tract infection [2] and septicaemia [1] in sheep. Respiratory tract disease in pigs yielded *Pasteurella multocida* [1], *Streptococcus suis* [2] and *Actinobacillus pleuropneumoniae* [1].

Enteritis in calves [15] yielded *E. coli*, and in two cases, *Cryptosporidium* in addition, lambs and kids with *E. coli* [4] only one case of *Cryptosporidium* in addition, and in pigs [3] of *E. coli* only.

Staphylococcus aureus and *S. pseudintermedius* caused skin infections in sheep. *Trueperella pyogenes* caused septicaemia in pigs.

Other bovine cases were *Salmonella* Dublin in calves, *Clostridium chauvoei* [2] and *C. novyi* [2], and mastitis associated with *Staphylococcus aureus*, *Pseudomonas aeruginosa*, *Streptococcus uberis* and *Pasteurella multocida*.

Feedlot report received from Drs. Shaun Morris and Eben du Preez for July 2018
(edupreez1@telkomsa.net)

| Condition | Comments and Specie |
|-------------------------|---------------------|
| Eye worm | B 2 |
| Tapeworms | O 1 |
| Liver fluke | B 3 |
| <i>Parafilaria</i> | B 2 |
| Cysticercosis (measles) | B 3 |
| Blue ticks | B 3 |
| Brown ear-tick | B 2 |
| Asiatic red water | B 2 |
| Anaplasmosis | B 1 |
| Lumpy skin disease | B 3 |
| Blackleg | B 1 |
| Swelled head | O 1 |
| Red gut | B 3 |
| Blood gut | O 3 |
| Salmonellosis | B 1 |
| FSE | O 2 |
| <i>E . coli</i> | B,O 3 |
| Cryptosporidiosis | B 2, O 1 |
| Ringworm | B 3 |
| BMC | B 1 |
| Warts | B 3 |
| Protein deficiency | B,O 3 |

| | |
|------------------------|----------|
| Energy deficiency | B,O 3 |
| Phosphate deficiency | B 3 |
| Zinc deficiency | B 3 |
| Vitamin A deficiency | B 3, O 3 |
| Dystocia | B 2 |
| Abscesses | B 2, O 2 |
| Eye infection | B 1, O 3 |
| Lameness | B,O 3 |
| Lungs | B,O 3 |
| Navell ill | B 1 |
| Diarrhoea | B 3, O 3 |
| Cold, O 2 | |
| Pericarditis | B 3, O 2 |
| Traumatic pericarditis | B 1 |

**Feedlot and farm reports received from Dr. Andy Hentzen for July 2018
(andyvet@mweb.co.za)**

| Condition | Comments and Specie |
|-------------------------|---------------------|
| Tapeworms | B 3 |
| Liver fluke worms | B 3 |
| Conical fluke | B 1 |
| Cysticercosis (measles) | B 2 |
| Blue ticks | B 1 |
| Red-legged ticks | B 2 |
| African red water | B 1 |

| | |
|----------------------------|-------|
| Anaplasmosis | B 1 |
| Red gut | B 3 |
| Ringworm | B 3 |
| Leptospirosis | B 1 |
| Coccidiosis | B 3 |
| BVD | B 2 |
| IBR | B 3 |
| Warts | B 3 |
| Tulip | B 2 |
| Water contamination | B 2 |
| Protein deficiency | B 3 |
| Energy deficiency | B 3 |
| Trace Mineral deficiencies | B 3 |
| Abortions | B 3 |
| Diarrhoea | B 3 |
| Lameness | B 3 |
| Lungs | B 3 |
| Eye infection | B 3 |
| Abscesses | B,C 3 |

Monthly report for July 2018 from Dr R D Last (BVSc; M.Med.Vet(Path); MRCVS)

Specialist Veterinary Pathologist, Vetdiagnostix - Veterinary Pathology Services

| LIVESTOCK DISEASE SURVEILLANCE | | | |
|--------------------------------|---------------|-----------|----------|
| LIVESTOCK SPECIES | DISEASE AGENT | NO. CASES | LOCATION |

| | | | |
|---------------------------|--|---|-------------------------|
| Bovine, Dairy Calf 1 week | Sarcina-like bacterial abomasitis | 1 | Piet Retief, Mpumulanga |
| Bovine, Dairy calf | Cryptosporidia and ESBL E.coli | 1 | Howick, KZN |
| Bovine, Beef Cow | <i>Babesia bovis</i> | 1 | Humansdorp, E.Cape |
| Bovine, Adult Dairy Cow | Enzootic Bovine Leukosis | 1 | Howick, KZN |
| Bovine, Heifer 3 months | Chronic seneciosis (Molteno straining disease) | 1 | Underberg, KZN |
| Bovine, Beef Calf 1 week | Cryptosporidiosis and bronchopneumonia | 1 | Creighton, KZN |
| Bovine, Aborted Fetus | Bovine herpesvirus-1 abortion | 1 | Underburg, KZN |
| Bovine, Feedlot steer | <i>Babesia bovis</i> + bronchopneumonia | 1 | Northwest Province |
| Bovine, Bull | Fibropapilloma | 1 | East London, E. Cape |
| Bovine, Dairy Calf | Pneumonic mannheimenolosis | 1 | Kokstad, E. Cape |
| Bovine, Beef Heifers | Peri-renal oedema disease | 1 | Jeffreys Bay, E. Cape. |
| Bovine, Cow | Ostertagiosis type II | 1 | Mooi River, KZN |
| Bovine, Heifer 1st calver | Adult salmonellosis | 1 | Jeffery's Bay, E. Cape |
| | | | |

| WILDLIFE DISEASE SURVEILLANCE | | | |
|-------------------------------|--------------------------|-----------|-----------------------------|
| WILDLIFE SPECIES | DISEASE AGENT | NO. CASES | LOCATION |
| White rhino, 3 month calf | Shuni virus encephalitis | 1 | Aliwal North, Northern Cape |
| White rhino, Adult cow | Iron storage disorder | 1 | Potchefstroom, North West |
| Buffalo, Adult Cow | Pulmonary hypertension | 1 | Rooiberg, Limpopo |
| | | | |

Monthly report on Livestock and Wildlife isolations for July 2018 from IDEXX Laboratories supplied by dr. Liza du Plessis (Liza-DuPlessis@idexx.com)

| Condition | Comments and Specie |
|-------------------------------|---------------------|
| Pulpy kidney | O 1 |
| Johne's disease | O 1 |
| <i>E. coli</i> | O,C 1 |
| Hepatotoxicity | B 1 |
| Protein – Energy malnutrition | G 2 |

| | |
|----------|---------|
| Lungs | G 1 |
| Abortion | B,O,C 2 |



Section of Pathology
Department of Paraclinical Sciences
Faculty of Veterinary Science

26th June June 2018

DAFF

Import/Export Policy Unit Subdirector

Monthly report: Faculty of Veterinary Science cases
Cases sent to referring veterinarians between 30th May and 26th June 2018

Cases from State vet Skukuza or Orpen

Cases imported with master permit (none)

| PMDate | Species | Final | Histo No |
|-----------|-----------------|-------------------------------------|-----------|
| 25-May-18 | Ostrich | Cachexia | S1823-18 |
| 25-May-18 | Roan | Neuroendocrine tumour (peri-aortic) | S1844-18 |
| 28-May-18 | Blue Wildebeest | Capture myopathy | S1852-18 |
| 28-May-18 | Cheetah | Chronic renal disease, gastritis | S1864-18 |
| 01-Jun-18 | Bengal Tiger | Dermatophytosis | S1934-18 |
| 04-Jun-18 | Blue Crane | Proventricular ascarid infestation | S1948-18 |
| 04-Jun-18 | Roan | Klebsiella enterocolitis | S1949-18 |
| 11-Jun-18 | Tiger | Feline sarcoïd (fibropapilloma) | S2035-18 |
| 13-Jun-18 | Chacma baboon | Suspected central blindness | S02060-18 |

Kind regards,

Prof. Emily Mitchell

DISEASE DISTRIBUTION REPORT AS REPORTED BY VETERINARIANS

Table of Contents

Internal Parasites

[Roundworms in general](#), [Resistant Round Worms](#), [Wireworm](#), [Brown stomach-worm](#), [Nodular worm](#), [Tape Worms](#), [Parafilaria](#), [Liver fluke](#), [Conical Flukes](#), [Cysticercosis](#)

| | |
|--|---|
| <u>External Parasites</u> | Blue ticks , Resistant blue Ticks , Heartwater (Bont) ticks , Brown ear-ticks , Bont-legged ticks , Red-legged ticks , Paralysis ticks , Biting lice (red lice) , Sucking lice (blue lice) , Scab mites , Mange Mites , Nuisance Flies , Blowflies , Screw-worm , Nasal bot larvae , Midges , Itch mite |
| <u>Tick-borne Diseases</u> | African red water , Asiatic red water , Anaplasmosis , Heartwater , Sweating Sickness |
| <u>Insect Transmittable Diseases</u> | Lumpy skin disease , Three-day-stiffsickness , Nagana |
| <u>Venereal Diseases</u> | Actinobacillus seminis , Trichomonosis , Vibriosis , Pizzle disease |
| <u>Bacterial Disease (other)</u> | Blackquarter , Botulism , Pulpy Kidney , Lamb dysentery , Swelled head disease , Redgut (cattle) , Blood gut (Sheep) , Tetanus , Salmonellosis , Brucella abortus , Brucella ovis , Johne`s disease , Leptospirosis , Septicaemia , E. coli , Enzootic Abortion , Dermatophilosis (Lumpy Wool) , Intrauterine Gangrene , Bovine Dermatophilosis (Senkobo disease) , Fusibacterium necrophorum , Other |
| <u>Protozoal diseases (other)</u> | Besnoitiosis , Coccidiosis , Cryptosporidium |
| <u>Fungal diseases</u> | Ringworm |
| <u>Viral Diseases (other)</u> | BMC , Rabies , BVD (Bovine viral diarrhoea) , IBR (Infectious bovine rhinotracheitis) , Enzootic Bovine Leucosis (EBL) , Orf , Warts , Rota virus |
| <u>Poisonings (Plant) and Fungal</u> | Cardiac glycoside poisoning , Cestrum , Cynanchum poisoning , Facial eczema , Gifblaar , Lantana , Lupine Poisoning , Seneciosis , Tulip Poisoning , Vermeersiekte (Gaigeria spp.) , Mycotoxicosis , Diplodiosis , Other |
| <u>Poisonings</u> | Urea Poisoning , Snake Bite , Copper Poisoning , Chemical products , Other |
| <u>Macro Nutritional Problems</u> | Energy deficiency , Protein deficiency , Phosphate deficiency , Calcium deficiency |
| <u>Micro Nutritional Problems</u> | Copper deficiency , Selenium deficiency , Iodine deficiency , Vitamin A deficiency , Vitamin B deficiency |
| <u>Multi-factorial Disease Conditions</u> | Abortions , Stillbirths , Abscesses , Abscesses in general , Bladder stones , Blindness , Bloat , Blood gut (sheep and goat) , Blue udder , Diarrhoea , Epididymitis , Eye Cancer , Eye infections , Joint Ill , Lameness/Foot Problems , Lung infection , Mastitis in general , Navel Ill , Trauma , Downer , Traumatic Reticulo-pericarditis , Other , Vestubular syndrome (Middle ear infection) |
| <u>Metabolic Diseases</u> | Acidosis , Displaced abomasum , Ketosis , Milk Fever |
| <u>Reproductive diseases</u> | Dystocia (Difficult Births) , Endometritis , Metritis , Poor conception , Retained afterbirth , Sheath Prolaps , Uterus prolaps , Vaginal (Cervical) prolaps |
| <u>Climatical Cause</u> | Cold exposure , Drought , Lightning , Frozen to death |
| <u>Non specific diseases</u> | Cause of death not established , Preditors , Sabotation - Theft , Trauma |

Internal Parasites

Roundworms in general

| PROVINCE | Mpumalanga | Gauteng | Limpopo | North West | Free State | Kwazulu-Natal | Eastern Cape | Western Cape | Northern Cape |
|----------|------------|---------|---------|------------|------------|---------------|--------------|--------------|---------------|
| Average | 1.0 (4) | 2.0 (2) | | | 1.6 (5) | 2.0 (6) | 1.2 (6) | 2.1 (7) | |

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

| | | | | | | | | | |
|-------|---------|---------|--|--|---------|---------|---------|---------|--|
| Beef | 1.0 (2) | | | | 1.0 (1) | 2.0 (3) | 1.0 (1) | | |
| Dairy | | | | | | | 1.0 (1) | | |
| Sheep | 1.0 (1) | 2.0 (1) | | | 1.8 (4) | 2.0 (2) | 1.3 (3) | 2.2 (6) | |
| Goat | 1.0 (1) | 2.0 (1) | | | | 2.0 (1) | 1.0 (1) | 2.0 (1) | |

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1, Sheep: 1, Goat: 1

Nelspruit, Wildlife vets 1

Beef: 1

Gauteng

Hammanskraal, Themba Animal Clinic

Goat: 2

Pretoria, Anima Veterinary Consulting Rooms

Sheep: 2

Free State

Clocolan, Clocolan Dierekliniek

Sheep: 2

Dewetsdorp, Platkop Dierekliniek

Sheep: 2

Kroonstad, Kroonstad Dierehospitaal

Sheep: 2

Ladybrand, Ladybrand

Beef: 1, Sheep: 1

Kwazulu-Natal

Bergville, Tugela Vet Clinic

Beef: 2, Sheep: 2

Mooi River, Mooirivier Vet Clinic

Beef: 2

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2, Goat: 2

Vryheid, Vryheid Privaat Veeartse

Sheep: 2

Eastern Cape

Aliwal North, Hertzogbrug Dierekliniek

Sheep: 2

Cofimvaba, State Vet Cofimvaba

Beef: 1, Sheep: 1

Humansdorp, Humansdorp Veterinary Clinic

Dairy: 1

Queenstown, Queenstown Provincial Vet Lab

Sheep: 1, Goat: 1

Western Cape**Caledon, Overberg Veterinary Hospital**

Sheep: 2

Darling, Tygerberg Dierehospitaal Darling

Sheep: 2

George, George Animal Hospital

Sheep: 3

Heidelberg (WC), Heidelberg Dierekliniek

Sheep: 2

Riversdale, Riversdal Dierekliniek

Sheep: 2, Goat: 2

Wellington, Wellington Dierehospitaal

Sheep: 2

Resistant Round Worms

| 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 (3) | |

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

| | | | | | | | | | |
|-------|---------|---------|---------|--|--|--|--|---------|--|
| Sheep | 1.0 (1) | 1.0 (1) | 1.0 (1) | | | | | 2.0 (3) | |
| Goat | | | 1.0 (1) | | | | | | |

Mpumalanga**Balfour, Balfour Dierekliniek**

Sheep: 1

Gauteng**Pretoria, Anima Veterinary Consulting Rooms**

Sheep: 1

Limpopo**Polokwane, Pietersburg Veterinary Clinic**

Sheep: 1, Goat: 1

Western Cape**Caledon, Overberg Veterinary Hospital**

Sheep: 2

Darling, Tygerberg Dierehospitaal Darling

Sheep: 1

George, George Animal Hospital

Sheep: 3

Wireworm

| PROVINCE | Mpumalanga | Gauteng | Limpopo | North West | Free State | Kwazulu-Natal | Eastern Cape | Western Cape | Northern Cape |
|----------|------------|---------|---------|------------|------------|---------------|--------------|--------------|---------------|
| Average | 1.0 (1) | 2.7 (3) | 3.0 (2) | | 1.7 (6) | 1.5 (4) | 1.0 (3) | 3.0 (1) | |

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

| | | | | | | | | | |
|--------------|---------|---------|---------|--|------------|---------|---------|---------|--|
| Beef | | | | | 2.0 (1) | | | | |
| Sheep | 1.0 (1) | 2.5 (2) | 3.0 (1) | | 1.6 (5) | 2.0 (1) | 1.0 (2) | 3.0 (1) | |
| Goat | | 3.0 (1) | 3.0 (1) | | | 1.3 (3) | 1.0 (1) | | |

Mpumalanga

Volksrust, Cape Cross Volksrust Dierehospitaal

Sheep: 1

Gauteng

Hammanskraal, Themba Animal Clinic

Sheep: 2, Goat: 3

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Sheep: 3

Limpopo

Polokwane, Pietersburg Veterinary Clinic

Sheep: 3, Goat: 3

Free State

Clocolan, Clocolan Dierekliniek

Sheep: 2

Frankfort, Frankfort Dierekliniek

Sheep: 2

Ladybrand, Ladybrand

Sheep: 1

Reitz, Riemland Dierehospitaal

Sheep: 2

Wesselsbron, Wesselsbron Dierekliniek

Sheep: 1

Winburg, Winburg Dierekliniek

Beef: 2

Kwazulu-Natal

Camperdown, Camperdown Vet Clinic

Goat: 1

Estcourt, Estcourt Vet Clinic

Sheep: 2, Goat: 2

Mtubatuba, Mtubatuba Animal Clinic

Goat: 1

Eastern Cape

Cofimvaba, State Vet Cofimvaba

Sheep: 1

Queenstown, Queenstown Provincial Vet Lab

Sheep: 1, Goat: 1

Western Cape

George, George Animal Hospital

Sheep: 3

Brown stomach-worm



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

| | | | | | | | | | |
|---|------------|---------|---------|------------|------------|---------------|--------------|--------------|---------------|
| Average | 1.0 (1) | | | | | | | 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) | | | | | | | | |
| Sheep | | | | | | | | 2.0 (1) | |
| Eastern Cape | | | | | | | | | |
| Cofimvaba, State Vet Cofimvaba | | | | | | | | | |
| Beef: 1 | | | | | | | | | |
| Western Cape | | | | | | | | | |
| Riversdale, Riversdal Dierekliniek | | | | | | | | | |
| Sheep: 2 | | | | | | | | | |
| Nodular worm | | | | | | | | | ^ |
| PROVINCE | Mpumalanga | Gauteng | Limpopo | North West | Free State | Kwazulu-Natal | Eastern Cape | Western Cape | Northern Cape |
| Average | | | | | | | | 1.0 (1) | |
| Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported | | | | | | | | | |
| Sheep | | | | | | | | 1.0 (1) | |
| Western Cape | | | | | | | | | |
| Beaufort West, Beaufort West State Vet | | | | | | | | | |
| Sheep: 1 | | | | | | | | | |
| Seen when doing post mortem | | | | | | | | | |
| Tape Worms | | | | | | | | | ^ |
| PROVINCE | Mpumalanga | Gauteng | Limpopo | North West | Free State | Kwazulu-Natal | Eastern Cape | Western Cape | Northern Cape |
| Average | 1.0 (1) | | 1.0 (2) | | 1.6 (5) | 1.0 (2) | | | 2.0 (1) |
| Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported | | | | | | | | | |
| Beef | | | | | | 1.0 (1) | | | |
| Sheep | 1.0 (1) | | 1.0 (1) | | 1.5 (4) | 1.0 (1) | | | |
| Goat | | | 1.0 (1) | | 2.0 (1) | | | | 2.0 (1) |
| Mpumalanga | | | | | | | | | |
| Balfour, Balfour Dierekliniek | | | | | | | | | |
| Sheep: 1 | | | | | | | | | |
| Limpopo | | | | | | | | | |
| Polokwane, Pietersburg Veterinary Clinic | | | | | | | | | |
| Sheep: 1, Goat: 1 | | | | | | | | | |
| Free State | | | | | | | | | |

Clocolan, Clocolan Dierekliniek

Sheep: 1

Hertzogville, Hertzogville Dierekliniek

Sheep: 2

Kroonstad, Kroonstad Dierehospitaal

Sheep: 2, Goat: 2

Reitz, Riemland Dierehospitaal

Sheep: 1

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

Beef: 1

Underberg, Underberg Veterinary Surgery

Sheep: 1

Northern Cape**Postmasburg, Postmasburg Dierekliniek**

Goat: 2

Parafilaria

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

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

| | | | | | | | | | |
|------|--|--|--|--|--|---------|--|--|---------|
| Beef | | | | | | 1.0 (1) | | | 3.0 (1) |
|------|--|--|--|--|--|---------|--|--|---------|

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

Beef: 1

Northern Cape**Kimberley, Kimberley Dierekliniek**

Beef: 3

Liver fluke

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

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

| | | | | | | | | | |
|-------|---------|--|---------|---------|---------|---------|---------|---------|--|
| Beef | 2.0 (2) | | 1.0 (1) | 1.0 (1) | 1.3 (3) | 1.0 (1) | | | |
| Dairy | | | | | | | | 3.0 (1) | |
| Sheep | | | | | | | 1.0 (1) | | |

Mpumalanga**Balfour, Balfour Dierekliniek**

Beef: 2

Standerton, Econovet

Beef: 2

Limpopo

Polokwane, Pietersburg Veterinary Clinic

Beef: 1

North West

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 1

Free State

Memel, Memel Veterinary Clinic

Beef: 1

Reitz, Riemland Dierehospitaal

Beef: 1

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2

Kwazulu-Natal

Mooi River, Mooirivier Vet Clinic

Beef: 1

Eastern Cape

Queenstown, Queenstown Provincial Vet Lab

Sheep: 1

Western Cape

Darling, Tygerberg Dierehospitaal Darling

Dairy: 3

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

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

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

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1

Free State

Viljoenskroon, Viljoenskroon Dierekliniek

Sheep: 2

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2

Kwazulu-Natal

Estcourt, Estcourt Vet Clinic

Sheep: 2, Goat: 2

Mooi River, Mooirivier Vet Clinic

Beef: 1

Mtubatuba, Mtubatuba Animal Clinic

Beef: 1

Eastern Cape

Alexandria, Alexandria Platteland Spreekkamer

Beef: 1

Aliwal North, Hertzogbrug Dierekliniek

Sheep: 2

Western Cape

Swellendam, Swellendam Dierehospitaal

Dairy: 1

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

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

| | | | | | | | | | |
|-------|---------|--|--|--|--|--|--|---------|---------|
| Beef | 3.0 (1) | | | | | | | 2.0 (1) | 2.0 (1) |
| Sheep | | | | | | | | | 3.0 (1) |

Mpumalanga

Nelspruit, Nelspruit Animal Hospital

Beef: 3

Western Cape

Malmesbury, Malmesbury Dierehospitaal

Beef: 2

Northern Cape

Kimberley, Kimberley Dierekliniek

Beef: 2

Measles seen at abattoir

Postmasburg, Postmasburg Dierekliniek

Sheep: 3

External Parasites

| Blue ticks | | | | | | | | | ^ |
|------------|------------|---------|---------|------------|------------|---------------|--------------|--------------|---------------|
| PROVINCE | Mpumalanga | Gauteng | Limpopo | North West | Free State | Kwazulu-Natal | Eastern Cape | Western Cape | Northern Cape |
| Average | 1.5 (2) | | 1.3 (4) | 2.0 (1) | 2.7 (6) | 2.3 (4) | 1.5 (2) | 1.9 (7) | |

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

| | | | | | | | | | |
|-------|---------|--|---------|---------|---------|---------|---------|---------|--|
| Beef | 1.5 (2) | | 1.5 (2) | 2.0 (1) | 2.6 (5) | 2.3 (4) | 2.0 (1) | 2.0 (3) | |
| Dairy | | | | | | | 1.0 (1) | 2.0 (3) | |

| | | | |
|--|---------|---------|---|
| Sheep | 1.0 (1) | 3.0 (1) | 1.0 (1) |
| Goat | 1.0 (1) | | |
| Mpumalanga | | | |
| Balfour, Balfour Dierekliniek | | | |
| Beef: 1 | | | |
| Nelspruit, Nelspruit Animal Hospital | | | |
| Beef: 2 | | | |
| Limpopo | | | |
| Mokopane, Dr Henk Visser | | | |
| Beef: 1 | | | |
| Polokwane, Pietersburg Veterinary Clinic | | | |
| Beef: 2, Sheep: 1, Goat: 1 | | | |
| North West | | | |
| Klerksdorp, Buffeldoorn Dierehospitaal | | | |
| Beef: 2 | | | |
| Free State | | | |
| Frankfort, Frankfort Dierekliniek | | | |
| Beef: 3 | | | |
| Hoopstad, Hoopstad Dierekliniek | | | |
| Beef: 3, Sheep: 3 | | | |
| Kroonstad, Kroonstad Dierehospitaal | | | |
| Beef: 2 | | | |
| Viljoenskroon, Viljoenskroon Dierekliniek | | | |
| Beef: 2 | | | |
| Winburg, Winburg Dierekliniek | | | |
| Beef: 3 | | | |
| Kwazulu-Natal | | | |
| Bergville, Bergville Veterinary Clinic | | | |
| Beef: 3 | | | |
| Bergville, Tugela Vet Clinic | | | |
| Beef: 2 | | | |
| Dundee, Endumeni Herd health | | | |
| Beef: 2 | | | |
| Mooi River, Mooirivier Vet Clinic | | | |
| Beef: 2 | | | |
| Eastern Cape | | | |
| Alexandria, Alexandria Platteland Spreekkamer | | | |
| Dairy: 1 | | | |
| Aliwal North, Hertzogbrug Dierekliniek | | | |
| Beef: 2 | | | |
| Western Cape | | | |
| George, George Animal Hospital | | | |
| Beef: 3, Dairy: 3 | | | |
| Malmesbury, Dr Otto Kriek | | | |
| Dairy: 1 | | | |
| Oudtshoorn, Oudtshoorn Dierekliniek | | | |
| Beef: 1, Sheep: 1 | | | |
| Riversdale, Riversdal Dierekliniek | | | |
| Beef: 2, Dairy: 2 | | | |
| Resistant blue Ticks | | |  |

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

Average 2.0 (1)

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

Beef 2.0 (1)

Mpumalanga

Lydenburg, Lydenburg Dieresprekkamer

Beef: 2

Heartwater (Bont) ticks



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

Average 2.0 (3) 1.0 (1) 1.3 (3) 3.0 (1) 1.8 (6) 1.0 (1)

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

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

Dairy 1.0 (1)

Sheep 1.0 (1) 2.0 (1)

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

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1

Nelspruit, Nelspruit Animal Hospital

Beef: 3, Goat: 2

Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 1

Limpopo

Polokwane, Pietersburg Veterinary Clinic

Beef: 2, Sheep: 1, Goat: 1

North West

Brits, Brits Dierekliniek

Beef: 3

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Bergville, Tugela Vet Clinic

Beef: 1

Dundee, Endumeni Herd health

Beef: 2

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2

Pongola, Pongola Animal Clinic

Sheep: 2, Goat: 2

Eastern Cape

Humansdorp, Humansdorp Veterinary Clinic

Dairy: 1

Brown ear-ticks

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

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

| | | | | | | | | | |
|-------|---------|--|---------|--|--|--|--|--|--|
| Beef | 1.0 (1) | | 1.0 (1) | | | | | | |
| Sheep | | | 1.0 (1) | | | | | | |
| Goat | | | 1.0 (1) | | | | | | |

Mpumalanga**Balfour, Balfour Dierekliniek**

Beef: 1

Limpopo**Polokwane, Pietersburg Veterinary Clinic**

Beef: 1, Sheep: 1, Goat: 1

Bont-legged ticks

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

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

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

Mpumalanga**Balfour, Balfour Dierekliniek**

Beef: 1

North West**Christiana, Christiana Dierehospitaal**

Beef: 3

Free State**Hoopstad, Hoopstad Dierekliniek**

Beef: 3, Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 2, Sheep: 2

Northern Cape**Calvinia, Calvinia Veeartskliniek**

Sheep: 2

De Aar, De Aar Veterinary Clinic

Increase in tick counts

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

| |
|---|
| Mpumalanga |
| Balfour, Balfour Dierekliniek |
| Beef: 1, Sheep: 1, Goat: 1 |
| North West |
| Christiana, Christiana Dierehospitaal |
| Beef: 3 |
| Klerksdorp, Buffeldoorn Dierehospitaal |
| Beef: 2 |
| Free State |
| Hoopstad, Hoopstad Dierekliniek |
| Beef: 3, Sheep: 3 |
| Kroonstad, Kroonstad Dierehospitaal |
| Beef: 2, Sheep: 2 |
| Memel, Memel Veterinary Clinic |
| Beef: 1 |
| Northern Cape |
| Postmasburg, Postmasburg Dierekliniek |
| Sheep: 2, Goat: 2 |

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

| | | |
|-------------------|---------|---------|
| Beef | 1.0 (1) | 2.0 (1) |
| Sheep | 1.0 (1) | |
| Free State | | |

Ladybrand, Ladybrand

Beef: 1

Western Cape**Riversdale, Riversdal Dierekliniek**

Sheep: 1

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

Beef: 2

Biting lice (red lice)

| PROVINCE | Mpumalanga | Gauteng | Limpopo | North West | Free State | Kwazulu-Natal | Eastern Cape | Western Cape | Northern Cape |
|----------|------------|---------|---------|------------|------------|---------------|--------------|--------------|---------------|
| Average | 2.0 (1) | | | | 2.3 (7) | 1.0 (1) | | | |

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

| | | | | | | | | | |
|-------|---------|--|--|--|---------|---------|--|--|--|
| Beef | | | | | 2.3 (6) | 1.0 (1) | | | |
| Dairy | | | | | 2.0 (1) | | | | |
| Sheep | 2.0 (1) | | | | | | | | |

Mpumalanga**Standerton, Econovet**

Sheep: 2

Free State**Clocolan, Clocolan Dierekliniek**

Beef: 2

Dewetsdorp, Platkop Dierekliniek

Beef: 2

Few animals seen scratching in a few groups of cattle

Hoopstad, Hoopstad Dierekliniek

Beef: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 3, Dairy: 2

Ladybrand, Ladybrand

Beef: 1

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 3

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

Beef: 1

Sucking lice (blue lice)

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

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

| | | | | |
|--------------|--|------------|---------|---------|
| Beef | | 2.3 (3) | | 2.0 (1) |
| Sheep | | | 1.0 (1) | |
| Goat | | | | 1.0 (1) |

Free State

Clocolan, Clocolan Dierekliniek

Beef: 2

Hoopstad, Hoopstad Dierekliniek

Beef: 3

Memel, Memel Veterinary Clinic

Beef: 2

Western Cape

Darling, Tygerberg Dierehospitaal Darling

Sheep: 1

Northern Cape

Postmasburg, Postmasburg Dierekliniek

Beef: 2, Goat: 1

Scab mites



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

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

| | | | | | | | | | |
|--------------|---------|--|--|--|------------|--|--|---------|---------|
| Sheep | 2.0 (1) | | | | 3.0 (1) | | | 1.5 (2) | 2.0 (1) |
|--------------|---------|--|--|--|------------|--|--|---------|---------|

Mpumalanga

Standerton, Econovet

Sheep: 2

Free State

Smithfield, Freestate Smithfield SV

Sheep: 3

50 cases out of 1628 sheep in Mohokare region

Western Cape

Caledon, Overberg Veterinary Hospital

Sheep: 1

Malmesbury, Dr Otto Kriek

Sheep: 2

The outbreak occurred after purchase of infested animals. This begs the question whether sufficient inspections are allowed to be done by State Animal Inspectors due to financial constraints in this department?

Northern Cape

Upington, Upington Veterinary Clinic

Sheep: 2

Kenhardt district

| Mange Mites | | | | | | | | | |
|---|------------|---------|---------|------------|------------|---------------|--------------|--------------|---------------|
| PROVINCE | Mpumalanga | Gauteng | Limpopo | North West | Free State | Kwazulu-Natal | Eastern Cape | Western Cape | Northern Cape |
| Average | 1.7 (3) | 1.5 (2) | | 3.0 (2) | 2.5 (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 | 1.7 (3) | | | 3.0 (2) | 2.5 (4) | | 1.0 (1) | 2.0 (1) | |
| Goat | | 1.5 (2) | | | | | | | |
| Mpumalanga | | | | | | | | | |
| Balfour, Balfour Dierekliniek | | | | | | | | | |
| Beef: 1 | | | | | | | | | |
| Ermelo, Môregloed Veterinêre Spreekkamer | | | | | | | | | |
| Beef: 2 | | | | | | | | | |
| Grootvlei, Grootvlei Dierekliniek | | | | | | | | | |
| Beef: 2 | | | | | | | | | |
| Gauteng | | | | | | | | | |
| Hammanskraal, Themba Animal Clinic | | | | | | | | | |
| Goat: 2 | | | | | | | | | |
| Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic | | | | | | | | | |
| Goat: 1 | | | | | | | | | |
| North West | | | | | | | | | |
| Christiana, Christiana Dierehospitaal | | | | | | | | | |
| Beef: 3 | | | | | | | | | |
| <i>Sarcoptes mites</i> | | | | | | | | | |
| Leeudoringstad, Leeudoringstad Dierekliniek | | | | | | | | | |
| Beef: 3 | | | | | | | | | |
| Free State | | | | | | | | | |
| Hoopstad, Hoopstad Dierekliniek | | | | | | | | | |
| Beef: 3 | | | | | | | | | |
| Reitz, Riemland Dierehospitaal | | | | | | | | | |
| Beef: 2 | | | | | | | | | |
| Wesselsbron, Wesselsbron Dierekliniek | | | | | | | | | |
| Beef: 2 | | | | | | | | | |
| Winburg, Winburg Dierekliniek | | | | | | | | | |
| Beef: 3 | | | | | | | | | |
| Eastern Cape | | | | | | | | | |
| Aliwal North, Hertzogbrug Dierekliniek | | | | | | | | | |
| Beef: 1 | | | | | | | | | |
| Western Cape | | | | | | | | | |
| Beaufort West, Beaufort Dierekliniek | | | | | | | | | |
| Beef: 2 | | | | | | | | | |
| Nuisance Flies | | | | | | | | | |
| PROVINCE | Mpumalanga | Gauteng | Limpopo | North West | Free State | Kwazulu-Natal | Eastern Cape | Western Cape | Northern Cape |

| | | | |
|----------------|---------|---------|---------|
| Average | 1.0 (3) | 3.0 (1) | 2.0 (2) |
|----------------|---------|---------|---------|

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

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

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1, Sheep: 1, Goat: 1

Free State

Hoopstad, Hoopstad Dierekliniek

Sheep: 3

Kwazulu-Natal

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2, Goat: 2

Blowflies

| 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) |
|--------------|---------|

Limpopo

Polokwane, Pietersburg Veterinary Clinic

Sheep: 1

Screw-worm

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

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

| | |
|--------------|---------|
| Beef | 2.0 (1) |
| Sheep | 1.0 (1) |

Mpumalanga

Nelspruit, Nelspruit Animal Hospital

Beef: 2

Western Cape

Riversdale, Riversdal Dierekliniek

Sheep: 1

| Nasal bot larvae | | | | | | | | | ^ |
|---|------------|---------|---------|------------|------------|---------------|--------------|--------------|---------------|
| PROVINCE | Mpumalanga | Gauteng | Limpopo | North West | Free State | Kwazulu-Natal | Eastern Cape | Western Cape | Northern Cape |
| Average | 1.0 (1) | | | | 2.3 (3) | | | | 1.0 (1) |
| Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported | | | | | | | | | |
| Sheep | 1.0 (1) | | | | 2.3 (3) | | | | 1.0 (1) |
| Mpumalanga Bethal, Bethal Dierekliniek Sheep: 1 Free State Hoopstad, Hoopstad Dierekliniek Sheep: 3 Kroonstad, Kroonstad Dierehospitaal Sheep: 2 Reitz, Riemland Dierehospitaal Sheep: 2 Northern Cape Calvinia, Calvinia Veeartskliniek Sheep: 1 | | | | | | | | | |
| Midges | | | | | | | | | ^ |
| PROVINCE | Mpumalanga | Gauteng | Limpopo | North West | Free State | Kwazulu-Natal | Eastern Cape | Western Cape | Northern Cape |
| Average | | | | | | | | 2.0 (3) | |
| Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported | | | | | | | | | |
| Beef | | | | | | | | 2.0 (1) | |
| Dairy | | | | | | | | 2.0 (1) | |
| Sheep | | | | | | | | 2.0 (1) | |
| Western Cape Malmesbury, Malmesbury Dierehospitaal Beef: 2, Dairy: 2, Sheep: 2 | | | | | | | | | |
| Itch mite | | | | | | | | | ^ |
| PROVINCE | Mpumalanga | Gauteng | Limpopo | North West | Free State | Kwazulu-Natal | Eastern Cape | Western Cape | Northern Cape |
| Average | | | | | 2.0 (1) | | | 3.0 (1) | |

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

| | | | | |
|--------------|--|------------|--|---------|
| Sheep | | 2.0 (1) | | 3.0 (1) |
|--------------|--|------------|--|---------|

Free State

Ladybrand, Ladybrand

Sheep: 2

Western Cape

George, George Animal Hospital

Sheep: 3

Tick-borne Diseases

African red water

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

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

| | | | | | | | | | |
|--------------|---------|--|---------|---------|---------|---------|---------|---------|--|
| Beef | 2.0 (2) | | 1.0 (1) | 3.0 (1) | 2.0 (2) | 1.3 (3) | 2.0 (1) | 1.0 (1) | |
| Dairy | | | | | | 1.0 (1) | | 2.0 (1) | |

Mpumalanga

Middelburg , Middelburg Dierehospitaal

Beef: 2

Piet Retief, Pets Vet Hospital

Beef: 2

Limpopo

Polokwane, Pietersburg Veterinary Clinic

Beef: 1

North West

Ventersdorp, Ventersdorp Dierekliniek

Beef: 3

Free State

Frankfort, Frankfort Dierekliniek

Beef: 3

Vrede, Vrede Dierehospitaal

Beef: 1

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Dundee, Endumeni Herd health

Beef: 1, Dairy: 1

Underberg, Underberg Veterinary Surgery

Beef: 1

Eastern Cape

Alexandria, Riverview Trading Vet Consulting Services

Beef: 2

Western Cape**Oudtshoorn, Oudtshoorn Dierekliniek**

Beef: 1

Riversdale, Riversdal Dierekliniek

Dairy: 2

Asiatic red water

| PROVINCE | Mpumalanga | Gauteng | Limpopo | North West | Free State | Kwazulu-Natal | Eastern Cape | Western Cape | Northern Cape |
|----------------|------------|---------|---------|------------|------------|---------------|--------------|--------------|---------------|
| Average | 1.8 (5) | | 1.0 (1) | | 2.0 (3) | 1.7 (3) | 1.7 (3) | 1.7 (3) | |

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

| | | | | | | | | | |
|--------------|---------|--|---------|--|---------|---------|---------|---------|--|
| Beef | 1.8 (5) | | 1.0 (1) | | 2.0 (3) | 1.7 (3) | 2.0 (2) | 1.0 (1) | |
| Dairy | | | | | | | 1.0 (1) | 2.0 (2) | |

Mpumalanga**Lydenburg, Lydenburg Dieresprekkamer**

Beef: 1

Middelburg , Middelburg Dierehospitaal

Beef: 1

Nelspruit, Nelspruit Animal Hospital

Beef: 2

Standerton, Econovet

Beef: 2

Volkswest, Cape Cross Volksrust Dierehospitaal

Beef: 3

Limpopo**Polokwane, Pietersburg Veterinary Clinic**

Beef: 1

Free State**Frankfort, Frankfort Dierekliniek**

Beef: 3

Reitz, Riemland Dierehospitaal

Beef: 1

Vrede, Vrede Dierehospitaal

Beef: 2

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

Beef: 2

Bergville, Tugela Vet Clinic

Beef: 2

Camperdown, Camperdown Vet Clinic

Beef: 1

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

Beef: 3

Humansdorp, Humansdorp Veterinary Clinic

Dairy: 1

Queenstown, Queenstown Veterinary clinic

Beef: 1

Western Cape

Oudtshoorn, Oudtshoorn Dierekliniek

Beef: 1

Riversdale, Riversdal Dierekliniek

Dairy: 2

Swellendam, Swellendam Dierehospitaal

Dairy: 2

Anaplasmosis



| PROVINCE | Mpumalanga | Gauteng | Limpopo | North West | Free State | Kwazulu-Natal | Eastern Cape | Western Cape | Northern Cape |
|----------|------------|---------|---------|------------|------------|---------------|--------------|--------------|---------------|
| Average | 2.0 (1) | 2.0 (1) | | 2.0 (3) | 2.4 (9) | 2.0 (3) | 1.3 (3) | 2.0 (5) | 1.5 (2) |

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

| | | | | | | | | | |
|-------|---------|---------|--|---------|---------|---------|---------|---------|---------|
| Beef | 2.0 (1) | 2.0 (1) | | 2.0 (3) | 2.4 (8) | 2.0 (3) | 1.0 (1) | | 1.5 (2) |
| Dairy | | | | | 3.0 (1) | | 1.5 (2) | 2.0 (5) | |

Mpumalanga

Bethal, Bethal Dierekliniek

Beef: 2

Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 2

North West

Christiana, Christiana Dierehospitaal

Beef: 3

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 1

Leeudoringstad, Leeudoringstad Dierekliniek

Beef: 2

Free State

Clocolan, Clocolan Dierekliniek

Beef: 2

Ficksburg, Oosvrystaat Diere Produkte

Beef: 2

Frankfort, Frankfort Dierekliniek

Beef: 2

Hoopstad, Hoopstad Dierekliniek

Beef: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 3, Dairy: 3

Ladybrand, Ladybrand

Beef: 2

Reitz, Riemland Dierehospitaal

Beef: 2

Winburg, Winburg Dierekliniek

Beef: 3

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

Beef: 2

Bergville, Tugela Vet Clinic

Beef: 1

Underberg, Underberg Veterinary Surgery

Beef: 3

Emerging farmers, beef and dairy herds

Eastern Cape**Alexandria, Alexandria Platteland Spreekkamer**

Dairy: 2

Aliwal North, Hertzogbrug Dierekliniek

Beef: 1

Humansdorp, Humansdorp Veterinary Clinic

Dairy: 1

Western Cape**George, George Animal Hospital**

Dairy: 3

Malmesbury, Dr Otto Kriek

Dairy: 1

Malmesbury, Invitrotech

Dairy: 2

Seven cases

Malmesbury, Malmesbury Dierehospitaal

Dairy: 2

Riversdale, Riversdal Dierekliniek

Dairy: 2

Northern Cape**Kathu, Kathu Dierekliniek**

Beef: 2

Kimberley, Kimberley Dierekliniek

Beef: 1

Heartwater

| PROVINCE | Mpumalanga | Gauteng | Limpopo | North West | Free State | Kwazulu-Natal | Eastern Cape | Western Cape | Northern Cape |
|----------|------------|---------|---------|------------|------------|---------------|--------------|--------------|---------------|
| Average | | 1.7 (6) | 1.0 (4) | 2.7 (3) | | 1.7 (9) | 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 | | 1.3 (3) | 1.0 (1) | 2.5 (2) | | 1.5 (4) | 2.0 (1) | | |
| Dairy | | | | | | 1.0 (1) | 2.0 (1) | | |
| Sheep | | 1.5 (2) | 1.0 (2) | 3.0 (1) | | 2.0 (1) | 1.0 (2) | | |
| Goat | | 3.0 (1) | 1.0 (1) | | | 2.0 (3) | | | |

Gauteng**Bronkhorstspuit, Kerkstraat Dierekliniek**

Beef: 1

Hammanskraal, Themba Animal Clinic

Beef: 2, Sheep: 1, Goat: 3

Pretoria, Anima Veterinary Consulting Rooms

Sheep: 2

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 1

Limpopo**Mokopane, Dr Henk Visser**

Sheep: 1

Polokwane, Pietersburg Veterinary Clinic

Beef: 1, Sheep: 1, Goat: 1

North West**Brits, Brits Dierekliniek**

Beef: 2

Stella, Stella Dierekliniek

Beef: 3, Sheep: 3

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

Beef: 1

Bergville, Tugela Vet Clinic

Beef: 1

Dundee, Endumeni Herd health

Beef: 2

Estcourt, Estcourt Vet Clinic

Dairy: 1, Goat: 2

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2, Goat: 2

Pongola, Pongola Animal Clinic

Sheep: 2, Goat: 2

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

Beef: 2

Jeffreys Bay, Cape Cross Veterinary Hospital

Dairy: 2

Queenstown, Queenstown Provincial Vet Lab

Sheep: 1

Somerset East, Bosberg Veterinary Clinic

Sheep: 1

Sweating Sickness

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

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

| | | | | | | | | | |
|------|--|--|--|---------|---------|--|--|--|---------|
| Beef | | | | 2.0 (1) | 1.0 (1) | | | | 2.0 (1) |
|------|--|--|--|---------|---------|--|--|--|---------|

North West**Christiana, Christiana Dierehospitaal**

Beef: 2

Free State**Viljoenskroon, Viljoenskroon Dierekliniek**

Beef: 1

Northern Cape

Beef: 2

Lumpy skin disease

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

Gauteng

Beef: 2

Reitz, Riemland Dierhospitaal

Beef: 1

Bergville, Bergville Veterinary Clinic

Beef: 2

Camperdown, Camperdown Vet Clinic

Beef: 3

Dundee, Endumeni Herd health

Beef: 2

Estcourt, Estcourt Vet Clinic

Beef: 2

Pongola, Pongola Animal Clinic

Beef: 1

Underberg, Underberg Veterinary Surgery

Beef: 2

Eastern Cape

Somerset East, Bosberg Veterinary Clinic

Dairy: 2

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

Kwazulu-Natal

Camperdown, Camperdown Vet Clinic

Beef: 1

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

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

| | | | | | | | | | |
|------|--|--|--|--|--|---------|--|--|--|
| Beef | | | | | | 2.0 (1) | | | |
|------|--|--|--|--|--|---------|--|--|--|

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

Beef: 2

| Venereal Diseases | | | | | | | | | |
|------------------------|------------|---------|---------|------------|------------|---------------|--------------|--------------|-------------------|
| Actinobacillus seminis | | | | | | | | | ^ |
| PROVINCE | Mpumalanga | Gauteng | Limpopo | North West | Free State | Kwazulu-Natal | Eastern Cape | Western Cape | Northern Cape |
| Average | | | | | | | | | 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) |
|-------|--|--|--|--|--|--|--|--|---------|

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

Sheep: 2

Vosburg

| Trichomonosis | | | | | | | | | ^ |
|---------------|------------|---------|---------|------------|------------|---------------|--------------|--------------|-------------------|
| PROVINCE | Mpumalanga | Gauteng | Limpopo | North West | Free State | Kwazulu-Natal | Eastern Cape | Western Cape | Northern Cape |
| Average | 2.2 (6) | | | 2.3 (4) | 2.3 (10) | 1.7 (3) | 2.0 (1) | | 2.0 (2) |

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

| | | | | | | | | | |
|------|---------|--|--|---------|----------|---------|---------|--|---------|
| Beef | 2.2 (6) | | | 2.3 (4) | 2.3 (10) | 1.7 (3) | 2.0 (1) | | 2.0 (2) |
|------|---------|--|--|---------|----------|---------|---------|--|---------|

Mpumalanga**Bethal, Bethal Dierekliniek**

Beef: 2

Ermelo, Môregloed Veterinêre Spreekkamer

Beef: 3

Grootvlei, Grootvlei Dierekliniek

Beef: 2

Middelburg , Middelburg Dierehospitaal

Beef: 2

Piet Retief, Pets Vet Hospital

Beef: 2

Standerton, Econovet

Beef: 2

North West**Klerksdorp, Buffeldoorn Dierehospitaal**

Beef: 1

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 3

Stella, Stella Dierekliniek

Beef: 3

Ventersdorp, Ventersdorp Dierekliniek

Beef: 2

Free State**Clocolan, Clocolan Dierekliniek**

Beef: 2

Frankfort, Frankfort Dierekliniek

Beef: 3

Hertzogville, Hertzogville Dierekliniek

Beef: 1

Hoopstad, Hoopstad Dierekliniek

Beef: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 2

Memel, Memel Veterinary Clinic

Beef: 3

Reitz, Riemland Dierehospitaal

Beef: 2

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 1

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 3

Winburg, Winburg Dierekliniek

Beef: 3

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

Beef: 1

Dundee, Endumeni Herd health

Beef: 2

Vryheid, Vryheid Privaat Veeartse

Beef: 2

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

Beef: 2

3 out of 4 bulls on one farm.

Northern Cape**Kathu, Kathu Dierekliniek**

Beef: 2

Kuruman, Kuruman Dierekliniek

Beef: 2

Vibriosis

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

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

| | | | | | | | | | |
|-------|--|--|--|---------|---------|--|---------|--|--|
| Beef | | | | 1.0 (1) | 2.5 (4) | | 1.0 (1) | | |
| Dairy | | | | | | | 2.0 (1) | | |

North West

Klerksdorp, Buffeldoorn Dierehospitaal

Beef: 1

Free State

Clocolan, Clocolan Dierekliniek

Beef: 2

Kroonstad, Kroonstad Dierehospitaal

Beef: 2

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 3

Winburg, Winburg Dierekliniek

Beef: 3

Eastern Cape

Alexandria, Riverview Trading Vet Consulting Services

Dairy: 2

Queenstown, Queenstown Veterinary clinic

Beef: 1

Pizzle disease

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

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

| | | | | | | | | | |
|-------|--|---------|--|--|--|--|--|---------|---------|
| Sheep | | 1.0 (1) | | | | | | 2.0 (1) | 2.5 (2) |
|-------|--|---------|--|--|--|--|--|---------|---------|

Gauteng

Pretoria, Anima Veterinary Consulting Rooms

Sheep: 1

Western Cape

Beaufort West, Beaufort Dierekliniek

Sheep: 2

Northern Cape

Calvinia, Calvinia Veeartskliniek

Sheep: 3

Colesberg, Karoo Veterinary Hospital

Sheep: 2

Merino rams

Bacterial Disease (other)

Blackquarter



| PROVINCE | Mpumalanga | Gauteng | Limpopo | North West | Free State | Kwazulu-Natal | Eastern Cape | Western Cape | Northern Cape |
|----------|------------|---------|---------|------------|------------|---------------|--------------|--------------|---------------|
| Average | 2.5 (2) | | 1.0 (1) | 2.5 (2) | 2.3 (9) | 1.8 (4) | 1.0 (3) | 1.0 (1) | 1.5 (2) |

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

| | | | | | | | | | |
|-------|---------|--|---------|---------|---------|---------|---------|---------|---------|
| Beef | 3.0 (1) | | 1.0 (1) | 2.5 (2) | 2.4 (8) | 1.8 (4) | 1.0 (1) | 1.0 (1) | 1.5 (2) |
| Dairy | | | | | | | 1.0 (1) | | |
| Sheep | 2.0 (1) | | | | 2.0 (1) | | 1.0 (1) | | |

Mpumalanga

Volksrust, Cape Cross Volksrust Dierehospitaal

Beef: 3, Sheep: 2

Limpopo

Polokwane, Pietersburg Veterinary Clinic

Beef: 1

North West

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 3

Ventersdorp, Ventersdorp Dierekliniek

Beef: 2

Free State

Clocolan, Clocolan Dierekliniek

Beef: 2

Dewetsdorp, Platkop Dierekliniek

Beef: 3

Clostridial deaths- mostly in weaner calves

Hoopstad, Hoopstad Dierekliniek

Beef: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 2

Ladybrand, Ladybrand

Beef: 3

Memel, Memel Veterinary Clinic

Beef: 2, Sheep: 2

Wesselsbron, Wesselsbron Dierekliniek

Beef: 1

Winburg, Winburg Dierekliniek

Beef: 3

Kwazulu-Natal

Bergville, Tugela Vet Clinic

Beef: 1

Dundee, Endumeni Herd health

Beef: 2

Underberg, Underberg Veterinary Surgery

Beef: 3

Forgetfulness to inoculate

Vryheid, Vryheid Privaat Veeartse

Beef: 1

Eastern Cape

Alexandria, Alexandria Platteland Spreekkamer

Dairy: 1

Queenstown, Queenstown Provincial Vet Lab

Sheep: 1

Queenstown, Queenstown Veterinary clinic

Beef: 1

Clostridium chauvoei

Western Cape

Plettenberg Bay, Plettenberg Bay A Reitz

Beef: 1

One heifer in a group of 60 animals

Northern Cape

Colesberg, Karoo Veterinary Hospital

Beef: 2

Few cases in weaners

Kimberley, Kimberley Diereklíníek

Beef: 1

Botulism



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

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

| | | | | | | | | | |
|------|--|--|---------|--|---------|--|--|--|--|
| Beef | | | 2.0 (1) | | 2.5 (2) | | | | |
|------|--|--|---------|--|---------|--|--|--|--|

Limpopo

Polokwane, Pietersburg Veterinary Clinic

Beef: 2

Free State

Hoopstad, Hoopstad Diereklíníek

Beef: 3

Winburg, Winburg Diereklíníek

Beef: 2

Pulpy Kidney



| PROVINCE | Mpumalanga | Gauteng | Limpopo | North West | Free State | Kwazulu-Natal | Eastern Cape | Western Cape | Northern Cape |
|----------|------------|---------|---------|------------|------------|---------------|--------------|--------------|---------------|
| Average | | | 1.7 (3) | 1.8 (4) | 1.8 (5) | | 1.0 (2) | 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 | | 1.0 (1) | | | | | | | |
| Sheep | | 2.0 (1) | 2.0 (3) | 1.8 (5) | | 1.0 (2) | 1.7 (3) | 2.0 (1) | |
| Goat | | 2.0 (1) | 1.0 (1) | | | | | | |

Limpopo

Mokopane, Dr Henk Visser

Beef: 1

Polokwane, Pietersburg Veterinary Clinic

Sheep: 2, Goat: 2

North West

Klerksdorp, Buffeldoorn Dierehospitaal

Sheep: 2

Rustenburg, Bergbos Dierekliniek

Sheep: 1, Goat: 1

Stella, Stella Dierekliniek

Sheep: 3

Free State

Clocolan, Clocolan Dierekliniek

Sheep: 2

Frankfort, Frankfort Dierekliniek

Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Sheep: 2

Viljoenskroon, Viljoenskroon Dierekliniek

Sheep: 1

Wesselsbron, Wesselsbron Dierekliniek

Sheep: 1

Eastern Cape

Aliwal North, Hertzogbrug Dierekliniek

Sheep: 1

Somerset East, Bosberg Veterinary Clinic

Sheep: 1

Lambs on pasture fed high protein supplement, overdue for follow up multiclostridial booster

Western Cape

Beaufort West, Beaufort West State Vet

Sheep: 2

Sheep were vaccinated but as a result of nutritional disturbances during drought feeding, a few deaths occur.

Caledon, Overberg Veterinary Hospital

Sheep: 2

Darling, Tygerberg Dierehospitaal Darling

Sheep: 1

Northern Cape

De Aar, De Aar Veterinary Clinic

Sheep: 2

Sheep given multi-clostridial vaccine have less deaths.

Lamb dysentery



| 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) |
|----------------|---------|---------|---------|---------|

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

| | | | | |
|--------------|---------|---------|---------|---------|
| Beef | 1.0 (1) | | | |
| Sheep | | 1.0 (1) | 1.0 (1) | 2.0 (1) |
| Goat | | | 1.0 (1) | |

Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 1

Free State

Clocolan, Clocolan Dierekliniek

Sheep: 1

Eastern Cape

Cofimvaba, State Vet Cofimvaba

Goat: 1

Queenstown, Queenstown Provincial Vet Lab

Sheep: 1

Western Cape

Caledon, Overberg Veterinary Hospital

Sheep: 2

Swelled head disease



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

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

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

Mpumalanga

Piet Retief, Pets Vet Hospital

Beef: 1

Gauteng

Bronkhorstspuit, Kerkstraat Dierekliniek

Beef: 2

Free State

Clocolan, Clocolan Dierekliniek

Sheep: 1

Kwazulu-Natal

Dundee, Endumeni Herd health

Beef: 2

Western Cape

Caledon, Overberg Veterinary Hospital

Sheep: 3

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

Free State

Clocolan, Clocolan Dierekliniek

Dairy: 1

Kwazulu-Natal

Underberg, Underberg Veterinary Surgery

Beef: 1

Eastern Cape

Alexandria, Alexandria Platteland Spreekkamer

Dairy: 1

Western Cape

Darling, Tygerberg Dierehospitaal Darling

Dairy: 2

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

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

| | | | | | | | | | |
|-------|---------|--|--|---------|--|--|--|--|--|
| Sheep | 1.0 (1) | | | 2.0 (1) | | | | | |
|-------|---------|--|--|---------|--|--|--|--|--|

Mpumalanga

Grootvlei, Grootvlei Dierekliniek

Sheep: 1

North West

Klerksdorp, Buffeldoorn Dierehospitaal

Sheep: 2

| Tetanus | | | | | | | | | ^ |
|----------|------------|---------|---------|------------|------------|---------------|--------------|--------------|-------------------|
| 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) | 2.0 (1) |
|----------------|---------|---------|---------|---------|

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

| | | | |
|--------------|---------|---------|---------|
| Sheep | 2.0 (1) | 1.0 (1) | |
| Goat | 2.0 (1) | | 2.0 (1) |

Gauteng

Hammanskraal, Themba Animal Clinic

Goat: 2

Free State

Hertzogville, Hertzogville Direklinik

Sheep: 2

Eastern Cape

Aliwal North, Hertzogbrug Direklinik

Sheep: 1

Northern Cape

Kuruman, Kuruman Direklinik

Goat: 2

Salmonellosis

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

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

| | |
|--------------|---------|
| Dairy | 2.0 (1) |
|--------------|---------|

Mpumalanga

Nelspruit, Nelspruit Animal Hospital

Dairy: 2

Brucella abortus

| PROVINCE | Mpumalanga | Gauteng | Limpopo | North West | Free State | Kwazulu-Natal | Eastern Cape | Western Cape | Northern Cape |
|----------------|------------|---------|---------|------------|------------|---------------|--------------|--------------|---------------|
| Average | 2.0 (2) | | 2.0 (1) | 2.0 (2) | 2.4 (5) | 3.0 (1) | | | |

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

| | | | | | | | | | |
|-------------|---------|--|---------|---------|---------|---------|--|--|--|
| Beef | 2.0 (2) | | 2.0 (1) | 2.0 (2) | 2.4 (5) | 3.0 (1) | | | |
|-------------|---------|--|---------|---------|---------|---------|--|--|--|

Mpumalanga

Grootvlei, Grootvlei Direklinik

Beef: 2

Middelburg , Middelburg Dierehospitaal

Beef: 2

Limpopo**Polokwane, Pietersburg Veterinary Clinic**

Beef: 2

North West**Klerksdorp, Klerksdorp Dierehospitaal**

Beef: 1

Stella, Stella Dierekliniek

Beef: 3

Free State**Clocolan, Clocolan Dierekliniek**

Beef: 3

Frankfort, Frankfort Dierekliniek

Beef: 3

Hoopstad, Hoopstad Dierekliniek

Beef: 3

Wesselsbron, Wesselsbron Dierekliniek


Beef: 1

Winburg, Winburg Dierekliniek

Beef: 2

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

Beef: 3

| <i>Brucella ovis</i> | | | | | | | | |  |
|----------------------|------------|---------|---------|------------|------------|---------------|--------------|--------------|---|
| PROVINCE | Mpumalanga | Gauteng | Limpopo | North West | Free State | Kwazulu-Natal | Eastern Cape | Western Cape | Northern Cape |
| Average | | | | | 1.5 (2) | | 1.0 (1) | | 2.5 (4) |

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

| | | | | | | | | | |
|-------|--|--|--|--|------------|--|---------|--|---------|
| Sheep | | | | | 1.5 (2) | | 1.0 (1) | | 2.5 (4) |
|-------|--|--|--|--|------------|--|---------|--|---------|

Free State**Ladybrand, Ladybrand**

Sheep: 1

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 2

Eastern Cape**Queenstown, Queenstown Veterinary clinic**

Sheep: 1

Northern Cape**Calvinia, Calvinia Veeartskliniek**

Sheep: 3

De Aar, De Aar Veterinary Clinic

Sheep: 2

Dorper rams bought in

Postmasburg, Postmasburg Dierekliniek

Sheep: 2

Upington, Upington Veterinary Clinic

Sheep: 3

More than 40% of rams infected. Flock was clean infected by neighbour's rams. Fence in bad condition

Johne`s disease

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

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

| | | | | | | | | | |
|-------|--|--|--|---------|--|--|--|---------|--|
| Beef | | | | 2.0 (1) | | | | | |
| Sheep | | | | | | | | 1.5 (2) | |

North West

Ventersdorp, Ventersdorp Dierekliniek

Beef: 2

Western Cape

Caledon, Overberg Veterinary Hospital

Sheep: 2

Darling, Tygerberg Dierehospitaal Darling

Sheep: 1

Leptospirosis

| 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) | | | | |
|-------|--|--|--|--|---------|--|--|--|--|

Free State

Winburg, Winburg Dierekliniek

Sheep: 1

Septicaemia

| 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 | | | | | | 3.0 (1) | | | |
| Goat | | | | | | | | 1.0 (1) | |

Kwazulu-Natal

Dundee, Endumeni Herd health

Beef: 3

*Pasteurella multocida***Western Cape****Riversdale, Riversdal Dierekliniek**

Goat: 1

| <i>E. coli</i> | | | | | | | | | ^ |
|----------------|------------|---------|---------|------------|------------|---------------|--------------|--------------|-------------------|
| PROVINCE | Mpumalanga | Gauteng | Limpopo | North West | Free State | Kwazulu-Natal | Eastern Cape | Western Cape | Northern Cape |
| Average | 2.3 (6) | 2.0 (1) | | 2.0 (1) | 2.6 (5) | 2.0 (1) | 1.0 (2) | 2.0 (2) | 2.0 (1) |

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

| | | | | | | | | | |
|--------------|---------|---------|--|---------|---------|---------|---------|---------|---------|
| Beef | 2.3 (3) | | | 2.0 (1) | 2.5 (2) | 2.0 (1) | | | |
| Dairy | | | | | 2.0 (1) | | | 2.0 (2) | |
| Sheep | 2.5 (2) | 2.0 (1) | | | 3.0 (2) | | 1.0 (1) | | |
| Goat | 2.0 (1) | | | | | | 1.0 (1) | | 2.0 (1) |

Mpumalanga**Balfour, Balfour Dierekliniek**

Beef: 3

Grootvlei, Grootvlei Dierekliniek

Beef: 2

Standerton, Econovet

Beef: 2, Sheep: 2

Volksrust, Cape Cross Volksrust Dierehospitaal

Sheep: 3, Goat: 2

Gauteng**Pretoria, Anima Veterinary Consulting Rooms**

Sheep: 2

North West**Leeudoringstad, Leeudoringstad Dierekliniek**

Beef: 2

Free State**Clocolan, Clocolan Dierekliniek**

Beef: 2, Dairy: 2, Sheep: 3

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

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

Beef: 2

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

Sheep: 1

Uitenhage, Uitenhage Dierehospitaal

Goat: 1

Western Cape**Darling, Tygerberg Dierehospitaal Darling**

Dairy: 1

Malmesbury, Malmesbury Dierehospitaal

Dairy: 3

Northern Cape**Postmasburg, Postmasburg Dierekliniek**

Goat: 2

Enzootic Abortion

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

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

| | | | | | | | | | |
|-------|--|--|--|--|---------|--|--|--|---------|
| Sheep | | | | | 1.0 (1) | | | | 2.0 (1) |
| Goat | | | | | | | | | 2.0 (1) |

Free State**Wesselsbron, Wesselsbron Dierekliniek**

Sheep: 1

Northern Cape**Postmasburg, Postmasburg Dierekliniek**

Sheep: 2, Goat: 2

Dermatophilosis (Lumpy Wool)

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

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

| | | | | | | | | | |
|-------|--|--|--|--|--|--|--|---------|--|
| Sheep | | | | | | | | 1.0 (1) | |
|-------|--|--|--|--|--|--|--|---------|--|

Western Cape**Riversdale, Riversdal Dierekliniek**

Sheep: 1

Intrauterine Gangrene

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

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

| | | | | | | | | | |
|--------------|--|--|--|--|--|--|---------|--|---------|
| Sheep | | | | | | | | | 1.0 (1) |
| Goat | | | | | | | 1.0 (1) | | 2.0 (1) |

Eastern Cape

Somerset East, Bosberg Veterinary Clinic

Goat: 1

Boergoat ewe, kidding in feedlot

Northern Cape

Kuruman, Kuruman Dierekliniek

Sheep: 1

Postmasburg, Postmasburg Dierekliniek

Goat: 2

| Bovine Dermatophilosis (Senkobo disease) | | | | | | | | | ^ |
|--|------------|---------|---------|------------|------------|---------------|--------------|--------------|---------------|
| PROVINCE | Mpumalanga | Gauteng | Limpopo | North West | Free State | Kwazulu-Natal | Eastern Cape | Western Cape | Northern Cape |
| Average | | | | | | 1.0 (1) | | | |

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

| | | | | | | | | | |
|-------------|--|--|--|--|--|---------|--|--|--|
| Beef | | | | | | 1.0 (1) | | | |
|-------------|--|--|--|--|--|---------|--|--|--|

Kwazulu-Natal

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 (2) | |

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

| | | | | | | | | | |
|--------------|--|--|--|--|--|--|--|---------|--|
| Beef | | | | | | | | 2.0 (1) | |
| Dairy | | | | | | | | 2.0 (1) | |

Western Cape

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 2

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

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

| | | | | | | | | | |
|-------------|--|--|---------|--|--|--|--|--|--|
| Beef | | | 1.0 (1) | | | | | | |
|-------------|--|--|---------|--|--|--|--|--|--|

Beef: 1

Besnoitiosis

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

1.0 (1)

Beef: 1

PROVINCE

Average

2.0 (2)

3.0 (1)

1.7
(3)

2.0 (1)

1.5 (2)

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

1.5
(2)

2.0 (1)

3.0 (1)

2.0
(1)

2.0 (1)

2.0 (1)

2.0 (1)

1.0 (1)

Goat: 2

Sheep: 2

Sheep: 3

Sheep: 2

Beef: 1

Beef: 2

Mtubatuba, Mtubatuba Animal Clinic

Goat: 2

Western Cape

Riversdale, Riversdal Dierekliniek

Sheep: 2, Goat: 1

Cryptosporidium

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

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

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

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 2, Sheep: 2

Gauteng

Pretoria, Anima Veterinary Consulting Rooms

Sheep: 2

Free State

Clocolan, Clocolan Dierekliniek

Beef: 2, Dairy: 2, Sheep: 3

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Eastern Cape

Jeffreys Bay, Cape Cross Veterinary Hospital

Dairy: 3

Western Cape

Heidelberg (WC), Heidelberg Dierekliniek

Dairy: 1

Fungal diseases

Ringworm

| PROVINCE | Mpumalanga | Gauteng | Limpopo | North West | Free State | Kwazulu-Natal | Eastern Cape | Western Cape | Northern Cape |
|----------|------------|---------|---------|------------|------------|---------------|--------------|--------------|---------------|
| Average | 1.7 (3) | | | 2.0 (1) | 1.7 (7) | 3.0 (2) | | 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 | 1.7 (3) | | | 2.0 (1) | 1.7 (6) | 3.0 (2) | | | 1.5 (2) | 2.0 (1) |
| Dairy | | | | | | | | | 2.0 (1) | |
| Sheep | | | | | 2.0 (1) | | | | | |
| Mpumalanga | | | | | | | | | | |
| Bethal, Bethal Dierekliniek | | | | | | | | | | |
| Beef: 1 | | | | | | | | | | |
| Lydenburg, Lydenburg Dieresprekkamer | | | | | | | | | | |
| Beef: 2 | | | | | | | | | | |
| Nelspruit, Nelspruit Animal Hospital | | | | | | | | | | |
| Beef: 2 | | | | | | | | | | |
| North West | | | | | | | | | | |
| Christiana, Christiana Dierehospitaal | | | | | | | | | | |
| Beef: 2 | | | | | | | | | | |
| Free State | | | | | | | | | | |
| Dewetsdorp, Platkop Dierekliniek | | | | | | | | | | |
| Sheep: 2 | | | | | | | | | | |
| Ringworm in sheep of one client | | | | | | | | | | |
| Ficksburg, Oosvrystaat Diere Produkte | | | | | | | | | | |
| Beef: 1 | | | | | | | | | | |
| Hertzogville, Hertzogville Dierekliniek | | | | | | | | | | |
| Beef: 2 | | | | | | | | | | |
| Hoopstad, Hoopstad Dierekliniek | | | | | | | | | | |
| Beef: 3 | | | | | | | | | | |
| Kroonstad, Kroonstad Dierehospitaal | | | | | | | | | | |
| Beef: 1 | | | | | | | | | | |
| Ladybrand, Ladybrand | | | | | | | | | | |
| Beef: 1 | | | | | | | | | | |
| Memel, Memel Veterinary Clinic | | | | | | | | | | |
| Beef: 2 | | | | | | | | | | |
| Kwazulu-Natal | | | | | | | | | | |
| Underberg, Underberg Veterinary Surgery | | | | | | | | | | |
| Beef: 3 | | | | | | | | | | |
| Vryheid, Vryheid Privaat Veeartse | | | | | | | | | | |
| Beef: 3 | | | | | | | | | | |
| Western Cape | | | | | | | | | | |
| Oudtshoorn, Oudtshoorn Dierekliniek | | | | | | | | | | |
| Beef: 1 | | | | | | | | | | |
| Riversdale, Riversdal Dierekliniek | | | | | | | | | | |
| Beef: 2, Dairy: 2 | | | | | | | | | | |
| Northern Cape | | | | | | | | | | |
| Kimberley, Kimberley Dierekliniek | | | | | | | | | | |
| Beef: 2 | | | | | | | | | | |
| Viral Diseases (other) | | | | | | | | | | |
| BMC (snotsiekte) | | | | | | | | | | ^ |
| PROVINCE | Mpumalanga | Gauteng | Limpopo | North West | Free State | Kwazulu-Natal | Eastern Cape | Western Cape | Northern Cape | |

| | | | | | | | | | |
|---|-------------------|----------------|----------------|-------------------|-------------------|----------------------|---------------------|---------------------|----------------------|
| Average | | 1.0 (1) | 1.5 (2) | 2.0 (1) | 2.0 (1) | | | 1.0 (1) | |
| Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported | | | | | | | | | |
| Beef | | 1.0 (1) | 1.5 (2) | 2.0 (1) | 2.0 (1) | | | 1.0 (1) | |
| Gauteng | | | | | | | | | |
| Muldersdrift, Muldersdrift Animal Hospital | | | | | | | | | |
| Beef: 1 | | | | | | | | | |
| Limpopo | | | | | | | | | |
| Tzaneen, ZZ2 Farm Practice | | | | | | | | | |
| Beef: 2 | | | | | | | | | |
| Vaalwater, Vaalwater Dieresprekkamer | | | | | | | | | |
| Beef: 1 | | | | | | | | | |
| North West | | | | | | | | | |
| Ventersdorp, Ventersdorp Dierekliniek | | | | | | | | | |
| Beef: 2 | | | | | | | | | |
| Free State | | | | | | | | | |
| Winburg, Winburg Dierekliniek | | | | | | | | | |
| Beef: 2 | | | | | | | | | |
| Western Cape | | | | | | | | | |
| George, George Animal Hospital | | | | | | | | | |
| Beef: 1 | | | | | | | | | |
| Rabies | | | | | | | | | ^ |
| PROVINCE | Mpumalanga | Gauteng | Limpopo | North West | Free State | Kwazulu-Natal | Eastern Cape | Western Cape | Northern Cape |
| Average | | | | | 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 | | | | | | | | | |
| Beef | | | | | 2.0 (1) | | 1.0 (1) | | |
| Sheep | | | | | | | 1.0 (1) | | |
| Goat | | | | | | | 2.0 (1) | | |
| Free State | | | | | | | | | |
| Viljoenskroon, Viljoenskroon Dierekliniek | | | | | | | | | |
| Beef: 2 | | | | | | | | | |
| Eastern Cape | | | | | | | | | |
| Queenstown, Queenstown Provincial Vet Lab | | | | | | | | | |
| Beef: 1, Sheep: 1, Goat: 2 | | | | | | | | | |
| BVD (Bovine viral diarrhoea) | | | | | | | | | ^ |
| 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 (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 | 2.0 (1) | 2.0 (1) | | | | 1.0 (2) | | 2.0 (1) |
|-------------|---------|---------|--|--|--|---------|--|---------|

| | | | | | | | | |
|--------------|--|--|--|--|--|--|---------|--|
| Dairy | | | | | | | 1.0 (1) | |
|--------------|--|--|--|--|--|--|---------|--|

Mpumalanga

Middelburg , Middelburg Dierehospitaal

Beef: 2

Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 2

Eastern Cape

Cofimvaba, State Vet Cofimvaba

Beef: 1

Queenstown, Queenstown Provincial Vet Lab

Beef: 1

Western Cape

Riversdale, Riversdal Dierekliniek

Dairy: 1

Northern Cape

Postmasburg, Postmasburg Dierekliniek

Beef: 2

IBR (Infectious bovine rhinotracheitis)

| 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) | | |
|----------------|---------|--|--|--|--|---------|---------|--|--|

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

| | | | | | | | | | |
|-------------|---------|--|--|--|--|---------|---------|--|--|
| Beef | 1.0 (1) | | | | | 1.0 (1) | 2.0 (1) | | |
|-------------|---------|--|--|--|--|---------|---------|--|--|

| | | | | | | | | | |
|--------------|--|--|--|--|--|--|---------|--|--|
| Dairy | | | | | | | 2.0 (1) | | |
|--------------|--|--|--|--|--|--|---------|--|--|

Mpumalanga

Volkstrust, Cape Cross Volkstrust Dierehospitaal

Beef: 1

Kwazulu-Natal

Underberg, Underberg Veterinary Surgery

Beef: 1

Eastern Cape

Alexandria, Riverview Trading Vet Consulting Services

Beef: 2

Jeffreys Bay, Cape Cross Veterinary Hospital

Dairy: 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 (1) | 2.0 (1) | 2.0 (1) | 2.0 (1) |
|----------------|--|--|--|---------|---------|---------|---------|---------|

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

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

North West

Ventersdorp, Ventersdorp Dierekliniek

Dairy: 3

Free State

Winburg, Winburg Dierekliniek

Beef: 1

Kwazulu-Natal

Underberg, Underberg Veterinary Surgery

Beef: 2

Eastern Cape

Somerset East, Bosberg Veterinary Clinic

Dairy: 2

Western Cape

Malmesbury, Malmesbury Dierehospitaal

Dairy: 2

| Orf | | | | | | | | | ^ |
|----------------|------------|---------|---------|------------|------------|---------------|--------------|--------------|-------------------|
| PROVINCE | Mpumalanga | Gauteng | Limpopo | North West | Free State | Kwazulu-Natal | Eastern Cape | Western Cape | Northern Cape |
| Average | 2.0 (2) | 1.3 (3) | 1.0 (2) | 2.8 (4) | 1.9 (7) | 2.0 (2) | 1.3 (3) | 1.0 (1) | 2.0 (1) |

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

| | | | | | | | | | |
|--------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Sheep | 2.0 (1) | | 1.0 (1) | 2.7 (3) | 1.8 (6) | 2.0 (1) | 1.5 (2) | 1.0 (1) | 2.0 (1) |
| Goat | 2.0 (1) | 1.3 (3) | 1.0 (1) | 3.0 (1) | 2.0 (1) | 2.0 (1) | 1.0 (1) | | |

Mpumalanga

Nelspruit, Nelspruit Animal Hospital

Goat: 2

Standerton, Econovet

Sheep: 2

Gauteng

Bronkhorstspuit, Kerkstraat Dierekliniek

Goat: 2

Hammanskraal, Themba Animal Clinic

Goat: 1

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Goat: 1

Limpopo

Polokwane, Pietersburg Veterinary Clinic

Sheep: 1, Goat: 1

North West**Christiana, Christiana Dierehospitaal**

Sheep: 2

Leeudoringstad, Leeudoringstad Dierekliniek

Sheep: 3, Goat: 3

Ventersdorp, Ventersdorp Dierekliniek

Sheep: 3

Free State**Hertzogville, Hertzogville Dierekliniek**

Sheep: 2

Hoopstad, Hoopstad Dierekliniek

Sheep: 2

Kroonstad, Kroonstad Dierehospitaal

Sheep: 2

Philippolis, Rowelsfontein veearts Spreekkamer

Sheep: 2

Viljoenskroon, Viljoenskroon Dierekliniek

Sheep: 2, Goat: 2

Wesselsbron, Wesselsbron Dierekliniek

Sheep: 1

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

Sheep: 2, Goat: 2

Eastern Cape**Cofimvaba, State Vet Cofimvaba**

Sheep: 2

Queenstown, Queenstown Provincial Vet Lab

Goat: 1

Uitenhage, Uitenhage Dierehospitaal

Sheep: 1

Western Cape**Riversdale, Riversdal Dierekliniek**

Sheep: 1


Northern Cape**Kuruman, Kuruman Dierekliniek**

Sheep: 2

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

| | |
|-------------|----------------|
| Goat | 2.0 (1) |
|-------------|----------------|

| |
|--|
| Mpumalanga |
| Lydenburg, Lydenburg Dieresprekkamer |
| Beef: 2 |
| Gauteng |
| Pretoria, Anima Veterinary Consulting Rooms |
| Sheep: 1 |
| North West |
| Christiana, Christiana Dierehospitaal |
| Beef: 3 |
| Free State |
| Hertzogville, Hertzogville Dierekliniek |
| Sheep: 2 |
| Hoopstad, Hoopstad Dierekliniek |
| Beef: 3 |
| Kwazulu-Natal |
| Camperdown, Camperdown Vet Clinic |
| Beef: 1 |
| Estcourt, Estcourt Vet Clinic |
| Beef: 1 |
| Vryheid, Vryheid Privaat Veeartse |
| Beef: 3 |
| Western Cape |
| George, George Animal Hospital |
| Beef: 3 |
| Northern Cape |
| Kimberley, Kimberley Dierekliniek |
| Beef: 3 |
| Postmasburg, Postmasburg Dierekliniek |
| Goat: 2 |


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

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

| | |
|--------------|----------------|
| Dairy | 1.0 (1) |
|--------------|----------------|

| |
|--|
| Western Cape |
| Darling, Tygerberg Dierehospitaal Darling |
| Dairy: 1 |

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) | 1.0 (1) | | | |
| Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported | | | | | | | | | |
| Beef | | | | | 1.0 (1) | | | | |
| Sheep | | | | | 1.0 (1) | | | | |
| Free State | | | | | | | | | |
| Hoopstad, Hoopstad Dierekliniek | | | | | | | | | |
| Beef: 1 | | | | | | | | | |
| Western Cape | | | | | | | | | |
| Beaufort West, Beaufort West State Vet | | | | | | | | | |
| Sheep: 1 | | | | | | | | | |
| Drought, sheep ate Witstorm. | | | | | | | | | |
| Cestrum | | | | | | | | | ^ |
| PROVINCE | Mpumalanga | Gauteng | Limpopo | North West | Free State | Kwazulu-Natal | Eastern Cape | Western Cape | Northern Cape |
| Average | | 3.0 (1) | | | 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 | | | | | | | | | |
| Beef | | 3.0 (1) | | | 1.0 (2) | | | | |
| Dairy | | | | | | | 3.0 (1) | | |
| Gauteng | | | | | | | | | |
| Magaliesburg, Magaliesburg; Dr Ryan Jeffrey | | | | | | | | | |
| Beef: 3 | | | | | | | | | |
| Free State | | | | | | | | | |
| Ladybrand, Ladybrand | | | | | | | | | |
| Beef: 1 | | | | | | | | | |
| Winburg, Winburg Dierekliniek | | | | | | | | | |
| Beef: 1 | | | | | | | | | |
| Eastern Cape | | | | | | | | | |
| Jeffreys Bay, Cape Cross Veterinary Hospital | | | | | | | | | |
| Dairy: 3 | | | | | | | | | |
| Cynanchum poisoning | | | | | | | | | ^ |
| PROVINCE | Mpumalanga | Gauteng | Limpopo | North West | Free State | Kwazulu-Natal | Eastern Cape | Western Cape | Northern Cape |
| Average | | | | | | | 1.0 (1) | 2.0 (1) | |
| Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported | | | | | | | | | |

| | | | | | | | | | |
|---|------------|---------|---------|------------|------------|---------------|--------------|--------------|---------------|
| Sheep | 1.0 (1) | | | | | | | 2.0 (1) | |
| Eastern Cape | | | | | | | | | |
| Humansdorp, Humansdorp Veterinary Clinic | | | | | | | | | |
| Sheep: 1 | | | | | | | | | |
| Western Cape | | | | | | | | | |
| Riversdale, Riversdal Dierekliniek | | | | | | | | | |
| Sheep: 2 | | | | | | | | | |
| Facial eczema | | | | | | | | | ^ |
| PROVINCE | Mpumalanga | Gauteng | Limpopo | North West | Free State | Kwazulu-Natal | Eastern Cape | Western Cape | Northern Cape |
| Average | | | | | | | | 3.0 (2) | |
| Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported | | | | | | | | | |
| Sheep | | | | | | | | 3.0 (2) | |
| Western Cape | | | | | | | | | |
| Darling, Tygerberg Dierehospitaal Darling | | | | | | | | | |
| Sheep: 3 | | | | | | | | | |
| Wellington, Wellington Dierehospitaal | | | | | | | | | |
| Sheep: 3 | | | | | | | | | |
| Stellenbosch -photosensitivity | | | | | | | | | |
| Gifblaar | | | | | | | | | ^ |
| 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) | | | | | | | |
| Gauteng | | | | | | | | | |
| Bronkhorstspuit, Kerkstraat Dierekliniek | | | | | | | | | |
| Beef: 2 | | | | | | | | | |
| Lantana | | | | | | | | | ^ |
| PROVINCE | Mpumalanga | Gauteng | Limpopo | North West | Free State | Kwazulu-Natal | Eastern Cape | Western Cape | Northern Cape |
| Average | 2.0 (1) | | 2.0 (1) | | | 1.5 (2) | | | |
| Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported | | | | | | | | | |
| Beef | 2.0 (1) | | 2.0 (1) | | | 2.0 (1) | | | |
| Dairy | | | | | | 1.0 (1) | | | |
| Mpumalanga | | | | | | | | | |

Nelspruit, Nelspruit Animal Hospital

Beef: 2

Limpopo**Tzaneen, Z22 Farm Practice**

Beef: 2

Same camp when you move cows into camp they also got *Lantana* poisoning**Kwazulu-Natal****Camperdown, Camperdown Vet Clinic**

Dairy: 1

Dundee, Endumeni Herd health

Beef: 2

Lupine Poisoning

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

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

| | |
|------|---------|
| Beef | 3.0 (1) |
|------|---------|

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

Beef: 3

Seneciosis

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

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

| | |
|------|---------|
| Beef | 1.0 (1) |
|------|---------|

Free State**Ladybrand, Ladybrand**

Beef: 1

Tulip Poisoning

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

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

| | | | | | | | | | |
|---|------------|---------|---------|------------|------------|---------------|--------------|--------------|---------------|
| Beef | 2.0 (3) | | | 3.0 (1) | 1.0 (1) | 2.2 (6) | | | |
| Dairy | | | | | | | 2.0 (1) | 2.5 (2) | |
| Mpumalanga | | | | | | | | | |
| Ermelo, Môregloed Veterinêre Spreekkamer | | | | | | | | | |
| Beef: 1 | | | | | | | | | |
| Standerton, Econovet | | | | | | | | | |
| Beef: 2 | | | | | | | | | |
| Volksrust, Cape Cross Volksrust Dierehospitaal | | | | | | | | | |
| Beef: 3 | | | | | | | | | |
| North West | | | | | | | | | |
| Klerksdorp, Buffeldoorn Dierehospitaal | | | | | | | | | |
| Beef: 3 | | | | | | | | | |
| Cattle bought in | | | | | | | | | |
| Free State | | | | | | | | | |
| Ficksburg, Oosvrystaat Diere Produkte | | | | | | | | | |
| Beef: 1 | | | | | | | | | |
| Kwazulu-Natal | | | | | | | | | |
| Bergville, Bergville Veterinary Clinic | | | | | | | | | |
| Beef: 2 | | | | | | | | | |
| Bergville, Tugela Vet Clinic | | | | | | | | | |
| Beef: 2 | | | | | | | | | |
| Dundee, Endumeni Herd health | | | | | | | | | |
| Beef: 3 | | | | | | | | | |
| Mooi River, Mooirivier Vet Clinic | | | | | | | | | |
| Beef: 1 | | | | | | | | | |
| Underberg, Underberg Veterinary Surgery | | | | | | | | | |
| Beef: 3 | | | | | | | | | |
| Vryheid, Vryheid Privaat Veeartse | | | | | | | | | |
| Beef: 2 | | | | | | | | | |
| Eastern Cape | | | | | | | | | |
| Somerset East, Bosberg Veterinary Clinic | | | | | | | | | |
| Dairy: 2 | | | | | | | | | |
| Western Cape | | | | | | | | | |
| Caledon, Overberg Veterinary Hospital | | | | | | | | | |
| Dairy: 3 | | | | | | | | | |
| Swellendam, Swellendam Dierehospitaal | | | | | | | | | |
| Dairy: 2 | | | | | | | | | |
| Vermeersiekte (<i>Gaigeria</i> spp.) | | | | | | | | | ↑ |
| PROVINCE | Mpumalanga | Gauteng | Limpopo | North West | Free State | Kwazulu-Natal | Eastern Cape | Western Cape | Northern Cape |
| Average | 2.0 (1) | | | | 1.0 (1) | | | | |
| Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported | | | | | | | | | |
| Sheep | 2.0 (1) | | | | 1.0 (1) | | | | |
| Mpumalanga | | | | | | | | | |
| Balfour, Balfour Dierekliniek | | | | | | | | | |

Sheep: 2

Free State

Ladybrand, Ladybrand

Sheep: 1

Mycotoxycosis



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

Average

2.5 (2)

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

Dairy

2.5 (2)

Western Cape

Darling, Tygerberg Dierehospitaal Darling

Dairy: 3

Malmesbury, Malmesbury Dierehospitaal

Dairy: 2

Diplodiosis



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

Average

2.0 (1)

1.0
(1)

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

Beef

2.0 (1)

Sheep

1.0
(1)

Mpumalanga

Standerton, Econovet

Beef: 2

Free State

Clocolan, Clocolan Dierekliniek

Sheep: 1

Other



| 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

Dairy

1.0 (1)

2.0 (1)

Humansdorp, Humansdorp Veterinary Clinic

Tannins: Hypoproteinaemia : Beef herd, severe drought, being fed grass hay, citrus pulp and licks. Poor feeding procedure, timid animals effectively starved. Tannic acid poisoning, the animals are being forced by hunger to eat rooikrans and fynbos. Helminth infestation - Leaking water troughs, limited pasture under pivot being grazed very short, hypoproteinaemia due to high internal parasite load and nephrosis caused by tannins

Vredenburg, Vredenburg Dierhospitaal

Turksnaald - photosensitivity

Poisonings

Urea Poisoning

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

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

| | | | | | |
|------|--|---------|---------|---------|---------|
| Beef | | 1.0 (1) | 1.5 (2) | 3.0 (1) | 2.0 (1) |
|------|--|---------|---------|---------|---------|

Polokwane, Pietersburg Veterinary Clinic

North West

Ventersdorp, Ventersdorp Dierekliniek

Free State

Frankfort, Frankfort Dierekliniek

Kwazulu-Natal

Dundee, Endumeni Herd health

Beef: 2

Snake Bite

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

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) |
|------|---------|---------|

Western Cape**Caledon, Overberg Veterinary Hospital**

Beef: 1

Northern Cape**Kuruman, Kuruman Dierekliniek**

Beef: 2

Copper Poisoning

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

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

| | | | | | | | | | |
|-------|--|--|--|---------|--|--|--|--|---------|
| Sheep | | | | 3.0 (1) | | | | | 3.0 (1) |
|-------|--|--|--|---------|--|--|--|--|---------|

North West**Leeudoringstad, Leeudoringstad Dierekliniek**

Sheep: 3

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

Sheep: 3

Geelsiekte

Chemical products

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

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

| | | | | | | | | | |
|------|---------|---------|--|--|--|--|--|--|--|
| Beef | 2.0 (1) | 1.0 (1) | | | | | | | |
|------|---------|---------|--|--|--|--|--|--|--|

Mpumalanga**Grootvlei, Grootvlei Dierekliniek**

Beef: 2

Gauteng**Hammanskraal, Themba Animal Clinic**

Beef: 1

Other

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

Western Cape

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 3, Sheep: 2

Riversdale, Riversdal Dierekliniek

Sheep: 2

Protein deficiency

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

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

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

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1, Sheep: 1

Nelspruit, Nelspruit Animal Hospital

Beef: 2

North West

Rustenburg, Bergbos Dierekliniek

Beef: 2, Sheep: 1, Goat: 1

Eastern Cape

Alexandria, Alexandria Platteland Spreekkamer

Dairy: 3

Humansdorp, Humansdorp Veterinary Clinic

Beef: 3

Hypoproteinaemia : Beef herd, severe drought, being fed grass hay, citrus pulp and voermol. Poor feeding procedure, timid animals effectively starved. Tannic acid poisoning, the animals are being forced by hunger to eat rooikrans and fynbos. Helminth infestation - Leaking water troughs, limited pasture under pivot being grazed very short, hypoproteinaemia due to high internal parasite load and nephrosis caused by tannins

Western Cape

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Sheep: 2

Riversdale, Riversdal Dierekliniek

Sheep: 2

Northern Cape

Postmasburg, Postmasburg Dierekliniek

Dairy: 2, Sheep: 2, Goat: 2

Phosphate deficiency

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

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 | 2.0 (1) | |

North West

Christiana, Christiana Dierehospitaal

Beef: 3

Eastern Cape

Jeffreys Bay, Cape Cross Veterinary Hospital

Dairy: 2

Northern Cape

Kuruman, Kuruman Dierekliniek

Beef: 1

| Calcium deficiency | | | | | | | | | ^ |
|--------------------|------------|---------|---------|------------|------------|---------------|--------------|--------------|---------------|
| PROVINCE | Mpumalanga | Gauteng | Limpopo | North West | Free State | Kwazulu-Natal | Eastern Cape | Western Cape | Northern Cape |
| Average | 1.0 (1) | 1.0 (1) | | | 2.0 (1) | 2.0 (2) | 1.0 (1) | 1.9 (7) | |

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

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

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1

Gauteng

Hammanskraal, Themba Animal Clinic

Goat: 1

Free State

Reitz, Riemland Dierehospitaal

Sheep: 2

Kwazulu-Natal

Underberg, Underberg Veterinary Surgery

Beef: 2, Sheep: 2

Eastern Cape

Witelsbos, Witelsbos Veterinary Consulting Rooms

Sheep: 1

Western Cape

Beaufort West, Beaufort Dierekliniek

Beef: 1

Caledon, Overberg Veterinary Hospital

Dairy: 2

Malmesbury, Dr Otto Kriek

Sheep: 1

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 3, Sheep: 2

Riversdale, Riversdal Dierekliniek

Dairy: 2

Micro Nutritional Problems**Copper 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) | | | | | |
|--------------|--|--|--|---------|--|--|--|--|--|

North West**Klerksdorp, Klerksdorp Dierehospitaal**

Sheep: 1

Selenium deficiency

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

| | | | | | | | | | |
|----------------|--|--|--|---------|--|--|---------|---------|--|
| Average | | | | 2.0 (1) | | | 3.0 (1) | 1.0 (1) | |
|----------------|--|--|--|---------|--|--|---------|---------|--|

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

| | | | | | | | | | |
|--------------|--|--|--|--|--|--|---------|---------|--|
| Dairy | | | | | | | 3.0 (1) | 1.0 (1) | |
|--------------|--|--|--|--|--|--|---------|---------|--|

| | | | | | | | | | |
|--------------|--|--|--|---------|--|--|--|--|--|
| Sheep | | | | 2.0 (1) | | | | | |
|--------------|--|--|--|---------|--|--|--|--|--|

North West**Christiana, Christiana Dierehospitaal**

Sheep: 2

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

Dairy: 3

Dairy calves from primiparous cows showing poor growth and disease susceptibility

Western Cape**Darling, Tygerberg Dierehospitaal Darling**

Dairy: 1

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

| | | | | | | | | | |
|---|------------|---------|---------|------------|------------|---------------|--------------|--------------|---------------|
| Dairy | | | | 2.0 (1) | | | | | |
| Eastern Cape | | | | | | | | | |
| Jeffreys Bay, Cape Cross Veterinary Hospital | | | | | | | | | |
| Dairy: 2 | | | | | | | | | |
| Vitamin A deficiency | | | | | | | | | ^ |
| PROVINCE | Mpumalanga | Gauteng | Limpopo | North West | Free State | Kwazulu-Natal | Eastern Cape | Western Cape | Northern Cape |
| Average | | | | 2.0 (2) | | | | 2.0 (1) | |
| Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported | | | | | | | | | |
| Beef | | | | 3.0 (1) | | | | | |
| Sheep | | | | 1.0 (1) | | | | 2.0 (1) | |
| North West | | | | | | | | | |
| Christiana, Christiana Dierehospitaal | | | | | | | | | |
| Beef: 3 | | | | | | | | | |
| Klerksdorp, Klerksdorp Dierehospitaal | | | | | | | | | |
| Sheep: 1 | | | | | | | | | |
| Western Cape | | | | | | | | | |
| Caledon, Overberg Veterinary Hospital | | | | | | | | | |
| Sheep: 2 | | | | | | | | | |
| Vitamin B deficiency | | | | | | | | | ^ |
| PROVINCE | Mpumalanga | Gauteng | Limpopo | North West | Free State | Kwazulu-Natal | Eastern Cape | Western Cape | Northern Cape |
| Average | | | | | | 2.0 (2) | | 2.0 (3) | |
| Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported | | | | | | | | | |
| Beef | | | | | | 2.0 (1) | | 2.0 (1) | |
| Sheep | | | | | | 2.0 (1) | | 2.0 (2) | |
| Kwazulu-Natal | | | | | | | | | |
| Bergville, Tugela Vet Clinic | | | | | | | | | |
| Beef: 2 | | | | | | | | | |
| Vitamin B 1 deficiency | | | | | | | | | |
| Sheep: 2 | | | | | | | | | |
| Vitamin B 1 deficiency | | | | | | | | | |
| Western Cape | | | | | | | | | |
| Malmesbury, Malmesbury Dierehospitaal | | | | | | | | | |
| Beef: 2, Sheep: 2 | | | | | | | | | |
| Vredenburg, Vredenburg Dierehospitaal | | | | | | | | | |
| Sheep: 2 | | | | | | | | | |
| 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 |
| Average | 1.6 (5) | | | 3.0 (2) | 2.2 (5) | 1.7 (6) | 2.5 (2) | 2.5 (4) | 3.0 (2) |
| Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported | | | | | | | | | |
| Beef | 1.8 (4) | | | 3.0 (1) | 2.0 (4) | 1.8 (5) | 3.0 (1) | | |
| Dairy | | | | | | | | 2.3 (3) | |
| Sheep | 1.0 (1) | | | 3.0 (1) | 3.0 (1) | | 2.0 (1) | 3.0 (1) | 3.0 (1) |
| Goat | | | | | | 1.0 (1) | | | 3.0 (1) |
| Mpumalanga | | | | | | | | | |
| Balfour, Balfour Dierekliniek | | | | | | | | | |
| Beef: 2 | | | | | | | | | |
| Lydenburg, Lydenburg Dierespreekkamer | | | | | | | | | |
| Beef: 3 | | | | | | | | | |
| Middelburg , Middelburg Dierehospitaal | | | | | | | | | |
| Beef: 1, Sheep: 1 | | | | | | | | | |
| Volksrust, Cape Cross Volksrust Dierehospitaal | | | | | | | | | |
| Beef: 1 | | | | | | | | | |
| North West | | | | | | | | | |
| Christiana, Christiana Dierehospitaal | | | | | | | | | |
| Beef: 3, Sheep: 3 | | | | | | | | | |
| Free State | | | | | | | | | |
| Hoopstad, Hoopstad Dierekliniek | | | | | | | | | |
| Beef: 3, Sheep: 3 | | | | | | | | | |
| Kroonstad, Kroonstad Dierehospitaal | | | | | | | | | |
| Beef: 2 | | | | | | | | | |
| Ladybrand, Ladybrand | | | | | | | | | |
| Beef: 1 | | | | | | | | | |
| Winburg, Winburg Dierekliniek | | | | | | | | | |
| Beef: 2 | | | | | | | | | |
| Kwazulu-Natal | | | | | | | | | |
| Bergville, Bergville Veterinary Clinic | | | | | | | | | |
| Beef: 2 | | | | | | | | | |
| Camperdown, Camperdown Vet Clinic | | | | | | | | | |
| Goat: 1 | | | | | | | | | |
| Dundee, Endumeni Herd health | | | | | | | | | |
| Beef: 2 | | | | | | | | | |
| Mooi River, Mooirivier Vet Clinic | | | | | | | | | |
| Beef: 1 | | | | | | | | | |
| Mtubatuba, Mtubatuba Animal Clinic | | | | | | | | | |
| Beef: 1 | | | | | | | | | |
| Underberg, Underberg Veterinary Surgery | | | | | | | | | |
| Beef: 3 | | | | | | | | | |
| Eastern Cape | | | | | | | | | |

Cofimvaba, State Vet Cofimvaba

Sheep: 2

Humansdorp, Humansdorp Veterinary Clinic

Beef: 3

Western Cape**Beaufort West, Beaufort Dierekliniek**

Sheep: 3

Case still under investigation. Farmer had lambing failure although ewes were scanned pregnant

Caledon, Caledon Dierekliniek

Dairy: 2

Malmesbury, Dr Otto Kriek

Dairy: 2

Swellendam, Swellendam Dierehospitaal

Dairy: 3

Northern Cape**Postmasburg, Postmasburg Dierekliniek**

Sheep: 3, Goat: 3

Stillbirths

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

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

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

Mpumalanga**Nelspruit, Nelspruit Animal Hospital**

Goat: 2

Free State**Hoopstad, Hoopstad Dierekliniek**

Beef: 3, Sheep: 3

Wesselsbron, Wesselsbron Dierekliniek

Sheep: 1

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

Beef: 2

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

Sheep: 2

Combination of stillbirths and resorptions (Disappearance of foetus between scanning and lambing)

Abscesses

| PROVINCE | Mpumalanga | Gauteng | Limpopo | North West | Free State | Kwazulu-Natal | Eastern Cape | Western Cape | Northern Cape |
|--|------------|---------|---------|------------|------------|---------------|--------------|--------------|---------------|
| Average | 1.4 (5) | 1.0 (1) | | 2.0 (1) | 2.0 (2) | 1.5 (2) | 1.0 (1) | 1.8 (5) | |
| Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported | | | | | | | | | |
| Beef | 1.5 (4) | | | 2.0 (1) | 2.0 (1) | 1.5 (2) | | 2.0 (1) | |
| Dairy | | | | | | | | 1.7 (3) | |
| Sheep | 1.0 (1) | | | | 2.0 (1) | | 1.0 (1) | 2.0 (1) | |
| Goat | | 1.0 (1) | | | | | | | |
| Mpumalanga | | | | | | | | | |
| Balfour, Balfour Dierekliniek | | | | | | | | | |
| Beef: 1 | | | | | | | | | |
| Ermelo, Môregloed Veterinêre Spreekkamer | | | | | | | | | |
| Beef: 2, Sheep: 1 | | | | | | | | | |
| Grootvlei, Grootvlei Dierekliniek | | | | | | | | | |
| Beef: 2 | | | | | | | | | |
| Piet Retief, Pets Vet Hospital | | | | | | | | | |
| Beef: 1 | | | | | | | | | |
| Gauteng | | | | | | | | | |
| Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic | | | | | | | | | |
| Goat: 1 | | | | | | | | | |
| North West | | | | | | | | | |
| Ventersdorp, Ventersdorp Dierekliniek | | | | | | | | | |
| Beef: 2 | | | | | | | | | |
| Free State | | | | | | | | | |
| Ficksburg, Oosvrystaat Diere Produkte | | | | | | | | | |
| Sheep: 2 | | | | | | | | | |
| Winburg, Winburg Dierekliniek | | | | | | | | | |
| Beef: 2 | | | | | | | | | |
| Kwazulu-Natal | | | | | | | | | |
| Mooi River, Mooirivier Vet Clinic | | | | | | | | | |
| Beef: 2 | | | | | | | | | |
| Pongola, Pongola Animal Clinic | | | | | | | | | |
| Beef: 1 | | | | | | | | | |
| Eastern Cape | | | | | | | | | |
| Queenstown, Queenstown Provincial Vet Lab | | | | | | | | | |
| Sheep: 1 | | | | | | | | | |
| Western Cape | | | | | | | | | |
| Malmesbury, Dr Otto Kriek | | | | | | | | | |
| Dairy: 1 | | | | | | | | | |
| Contaminated needles being inserted into bottles especially as is the case with the use of oxytocin is a problem on a few farms. Hypodermic needles are cheap enough in order to enforce the use of one needle per animal! | | | | | | | | | |
| Malmesbury, Invitrotech | | | | | | | | | |
| Dairy: 1 | | | | | | | | | |
| Malmesbury, Malmesbury Dierehospitaal | | | | | | | | | |
| Beef: 2, Dairy: 3, Sheep: 2 | | | | | | | | | |

| Abscesses in general | | | | | | | | | ^ |
|---|------------|---------|---------|------------|------------|---------------|--------------|--------------|---------------|
| PROVINCE | Mpumalanga | Gauteng | Limpopo | North West | Free State | Kwazulu-Natal | Eastern Cape | Western Cape | Northern Cape |
| Average | 1.0 (1) | 2.0 (2) | 2.0 (1) | | | 2.0 (1) | 1.0 (1) | 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 | | 3.0 (1) | 2.0 (1) | | | 2.0 (1) | | 2.0 (1) | |
| Dairy | | | | | | | 1.0 (1) | 1.7 (3) | |
| Sheep | 1.0 (1) | | | | | | | 2.0 (1) | 2.0 (1) |
| Goat | | 1.0 (1) | | | | | | | |
| Mpumalanga | | | | | | | | | |
| Bethal, Bethal Dierekliniek | | | | | | | | | |
| Sheep: 1 | | | | | | | | | |
| Gauteng | | | | | | | | | |
| Hammanskraal, Themba Animal Clinic | | | | | | | | | |
| Beef: 3, Goat: 1 | | | | | | | | | |
| Limpopo | | | | | | | | | |
| Mokopane, Dr Henk Visser | | | | | | | | | |
| Beef: 2 | | | | | | | | | |
| Kwazulu-Natal | | | | | | | | | |
| Mtubatuba, Mtubatuba Animal Clinic | | | | | | | | | |
| Beef: 2 | | | | | | | | | |
| Eastern Cape | | | | | | | | | |
| Somerset East, Bosberg Veterinary Clinic | | | | | | | | | |
| Dairy: 1 | | | | | | | | | |
| Western Cape | | | | | | | | | |
| George, George Animal Hospital | | | | | | | | | |
| Dairy: 1 | | | | | | | | | |
| Malmesbury, Malmesbury Dierehospitaal | | | | | | | | | |
| Beef: 2, Dairy: 2, Sheep: 2 | | | | | | | | | |
| Swellendam, Swellendam Dierehospitaal | | | | | | | | | |
| Dairy: 2 | | | | | | | | | |
| Northern Cape | | | | | | | | | |
| Colesberg, Karoo Veterinary Hospital | | | | | | | | | |
| Sheep: 2 | | | | | | | | | |
| <i>Corynebacterium abscesses</i> | | | | | | | | | |
| Bladder stones | | | | | | | | | ^ |
| PROVINCE | Mpumalanga | Gauteng | Limpopo | North West | Free State | Kwazulu-Natal | Eastern Cape | Western Cape | Northern Cape |
| Average | | 1.0 (1) | | | | 1.0 (1) | | 2.0 (1) | 2.0 (1) |
| Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported | | | | | | | | | |
| Beef | | | | | | | | 2.0 (1) | |
| Sheep | | 1.0 (1) | | | | 1.0 (1) | | | 2.0 (1) |

| | | | | | | | | | |
|---|-------------------|----------------|----------------|-------------------|-------------------|----------------------|---------------------|---------------------|----------------------|
| Sheep | | | | | 1.0 (1) | | | | 2.0 (1) |
| Free State | | | | | | | | | |
| Clocolan, Clocolan Dierekliniek | | | | | | | | | |
| Beef: 2 | | | | | | | | | |
| Ficksburg, Oosvrystaat Diere Produkte | | | | | | | | | |
| Beef: 2 | | | | | | | | | |
| Soya bean rests | | | | | | | | | |
| Ladybrand, Ladybrand | | | | | | | | | |
| Sheep: 1 | | | | | | | | | |
| Reitz, Riemland Dierehospitaal | | | | | | | | | |
| Beef: 2 | | | | | | | | | |
| Eastern Cape | | | | | | | | | |
| Alexandria, Alexandria Platteland Spreekkamer | | | | | | | | | |
| Beef: 1 | | | | | | | | | |
| Western Cape | | | | | | | | | |
| Caledon, Overberg Veterinary Hospital | | | | | | | | | |
| Dairy: 2 | | | | | | | | | |
| Malmesbury, Malmesbury Dierehospitaal | | | | | | | | | |
| Beef: 2, Dairy: 2 | | | | | | | | | |
| Riversdale, Riversdal Dierekliniek | | | | | | | | | |
| Dairy: 1, Sheep: 2 | | | | | | | | | |
| Blood gut (sheep and goat) | | | | | | | | | ^ |
| PROVINCE | Mpumalanga | Gauteng | Limpopo | North West | Free State | Kwazulu-Natal | Eastern Cape | Western Cape | Northern Cape |
| Average | | | | | | | | | 3.0 (1) |
| Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported | | | | | | | | | |
| Sheep | | | | | | | | | 3.0 (1) |
| Northern Cape | | | | | | | | | |
| Kuruman, Kuruman Dierekliniek | | | | | | | | | |
| Sheep: 3 | | | | | | | | | |
| Blue udder | | | | | | | | | ^ |
| PROVINCE | Mpumalanga | Gauteng | Limpopo | North West | Free State | Kwazulu-Natal | Eastern Cape | Western Cape | Northern Cape |
| Average | | | | | 1.4 (5) | 1.0 (1) | 1.0 (1) | 1.5 (2) | |
| Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported | | | | | | | | | |
| Beef | | | | | | 1.0 (1) | | | |
| Dairy | | | | | | | 1.0 (1) | | |
| Sheep | | | | | 1.4 (5) | | | 1.5 (2) | |

Free State**Clocolan, Clocolan Dierekliniek**

Sheep: 2

Hoopstad, Hoopstad Dierekliniek

Sheep: 1

Kroonstad, Kroonstad Dierehospitaal

Sheep: 2

Ladybrand, Ladybrand

Sheep: 1

Wesselsbron, Wesselsbron Dierekliniek

Sheep: 1

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

Beef: 1

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


Dairy: 1

Western Cape**Malmesbury, Malmesbury Dierehospitaal**

Sheep: 2

Riversdale, Riversdal Dierekliniek

Sheep: 1

| Diarrhoea | | | | | | | | |  |
|-----------|------------|---------|---------|------------|------------|---------------|--------------|--------------|---|
| PROVINCE | Mpumalanga | Gauteng | Limpopo | North West | Free State | Kwazulu-Natal | Eastern Cape | Western Cape | Northern Cape |
| Average | 2.2 (6) | 1.5 (2) | | | 2.4 (9) | 2.2 (6) | 1.0 (2) | 1.9 (7) | 3.0 (1) |

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

| | | | | | | | | | |
|-------|---------|---------|--|--|---------|---------|---------|---------|---------|
| Beef | 2.2 (5) | 2.0 (1) | | | 2.3 (3) | 2.2 (5) | 1.0 (1) | 2.0 (1) | |
| Dairy | | | | | 2.0 (2) | | 1.0 (1) | 1.8 (6) | |
| Sheep | 2.0 (1) | | | | 2.8 (4) | 2.0 (1) | | | |
| Goat | | 1.0 (1) | | | | | | | 3.0 (1) |

Mpumalanga**Balfour, Balfour Dierekliniek**

Beef: 3

Ermelo, Môregloed Veterinêre Spreekkamer

Beef: 3

Grootvlei, Grootvlei Dierekliniek

Beef: 2

Lydenburg, Lydenburg Dieresprekkamer

Beef: 2

Middelburg, Middelburg Dierehospitaal

Beef: 1

Standerton, Econovet

Sheep: 2

Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 2, Goat: 1

Free State

Clocolan, Clocolan Dierekliniek

Beef: 2, Dairy: 2, Sheep: 3

Ficksburg, Oosvrystaat Diere Produkte

Beef: 2

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Dairy: 2, Sheep: 2

Viljoenskroon, Viljoenskroon Dierekliniek

Sheep: 3

Kwazulu-Natal

Bergville, Tugela Vet Clinic

Beef: 2, Sheep: 2

Camperdown, Camperdown Vet Clinic

Beef: 1

Dundee, Endumeni Herd health

Beef: 3

Mooi River, Mooirivier Vet Clinic

Beef: 2

Underberg, Underberg Veterinary Surgery

Beef: 3

Eastern Cape

Cofimvaba, State Vet Cofimvaba

Beef: 1

Humansdorp, Humansdorp Veterinary Clinic

Dairy: 1

Western Cape

Caledon, Caledon Dierekliniek

Dairy: 2

Malmesbury, Dr Otto Kriek

Dairy: 1

Malmesbury, Invitrotech

Dairy: 1

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 3

Riversdale, Riversdal Dierekliniek

Dairy: 2

Swellendam, Swellendam Dierehospitaal

Dairy: 2

Northern Cape

Postmasburg, Postmasburg Dierekliniek

Goat: 3

Epididymitis



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

| | | | |
|----------------|---------|---------|---------|
| Average | 2.0 (1) | 2.0 (1) | 1.5 (2) |
|----------------|---------|---------|---------|

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

| | | | |
|--------------|---------|---------|---------|
| Sheep | 2.0 (1) | 2.0 (1) | 1.5 (2) |
|--------------|---------|---------|---------|

Mpumalanga

Ermelo, Môregloed Veterinêre Spreekkamer

Sheep: 2

Free State

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 2

Western Cape

Malmesbury, Malmesbury Dierehospitaal

Sheep: 2

Riversdale, Riversdal Dierekliniek

Sheep: 1

Eye Cancer

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

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

| | | | | | | | | | |
|--------------|---------|--|--|--|---------|---------|---------|---------|--|
| Beef | 1.0 (1) | | | | 1.0 (1) | | | 2.0 (1) | |
| Dairy | | | | | 1.5 (2) | 2.0 (1) | 2.0 (1) | 2.0 (2) | |
| Sheep | | | | | 2.0 (1) | | | | |

Mpumalanga

Ermelo, Môregloed Veterinêre Spreekkamer

Beef: 1

Free State

Clocolan, Clocolan Dierekliniek

Dairy: 2

Hoopstad, Hoopstad Dierekliniek

Beef: 1

Kroonstad, Kroonstad Dierehospitaal

Dairy: 1

Memel, Memel Veterinary Clinic

Sheep: 2

Kwazulu-Natal

Dundee, Endumeni Herd health

Dairy: 2

Eastern Cape

Alexandria, Alexandria Platteland Spreekkamer


Dairy: 2

Western Cape**Malmesbury, Malmesbury Dierehospitaal**

Beef: 2, Dairy: 2

Swellendam, Swellendam Dierehospitaal

Dairy: 2

| Eye infections | | | | | | | | |  |
|----------------|------------|---------|---------|------------|------------|---------------|--------------|--------------|---|
| PROVINCE | Mpumalanga | Gauteng | Limpopo | North West | Free State | Kwazulu-Natal | Eastern Cape | Western Cape | Northern Cape |
| Average | 1.0 (1) | | | 3.0 (1) | 2.5 (2) | 2.0 (6) | | 2.0 (4) | 1.7 (3) |

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

| | | | | | | | | | |
|-------|---------|--|--|---------|---------|---------|--|---------|---------|
| Beef | 1.0 (1) | | | 3.0 (1) | 2.5 (2) | 2.0 (5) | | 2.0 (1) | 1.0 (1) |
| Dairy | | | | | | | | 2.0 (2) | |
| Sheep | | | | | | 2.0 (1) | | 2.0 (1) | 2.0 (1) |
| Goat | | | | | | | | | 2.0 (1) |

Mpumalanga**Ermelo, Môregloed Veterinêre Spreekkamer**

Beef: 1

North West**Christiana, Christiana Dierehospitaal**

Beef: 3

Free State**Clocolan, Clocolan Dierekliniek**

Beef: 2

Winburg, Winburg Dierekliniek

Beef: 3

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

Beef: 2

Bergville, Tugela Vet Clinic

Beef: 2, Sheep: 2

Mooi River, Mooirivier Vet Clinic

Beef: 2

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2

Underberg, Underberg Veterinary Surgery

Beef: 2

Western Cape**Darling, Tygerberg Dierehospitaal Darling**

Sheep: 2

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 2

Swellendam, Swellendam Dierehospitaal

Dairy: 2

Northern Cape

Kimberley, Kimberley Direkliniek

Beef: 1

Kerato-conjunctivitis

Postmasburg, Postmasburg Direkliniek

Sheep: 2, Goat: 2

Joint Ill

| PROVINCE | Mpumalanga | Gauteng | Limpopo | North West | Free State | Kwazulu-Natal | Eastern Cape | Western Cape | Northern Cape |
|----------|------------|---------|---------|------------|------------|---------------|--------------|--------------|---------------|
| Average | | | | | 2.0 (1) | 2.0 (2) | 1.0 (1) | 1.6 (5) | 2.0 (1) |

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

| | | | | | | | | | |
|-------|--|--|--|--|---------|---------|---------|---------|---------|
| Beef | | | | | 2.0 (1) | 2.0 (1) | 1.0 (1) | 2.0 (1) | |
| Dairy | | | | | | 2.0 (1) | | 1.5 (2) | |
| Sheep | | | | | | | | 2.0 (1) | |
| Goat | | | | | | | | 1.0 (1) | 2.0 (1) |

Free State**Winburg, Winburg Direkliniek**

Beef: 2

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

Beef: 2, Dairy: 2

Eastern Cape**Humansdorp, Humansdorp Veterinary Clinic**

Beef: 1

Western Cape**Darling, Tygerberg Dierehospitaal Darling**

Dairy: 1

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 2, Sheep: 2

Riversdale, Riversdal Direkliniek

Goat: 1

Northern Cape**Kuruman, Kuruman Direkliniek**

Goat: 2

Lameness/Foot Problems

| 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) | 3.0 (2) | 1.8 (5) | 1.3 (3) | 1.0 (2) | 1.9 (8) | 2.0 (1) |

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

| | | | | | | | | | |
|--------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Beef | 2.0 (1) | 2.0 (2) | 2.0 (1) | 3.0 (1) | 2.0 (1) | 1.3 (3) | 1.0 (2) | 1.5 (2) | 2.0 (1) |
| Dairy | | | | | 1.0 (1) | | | 2.0 (6) | |
| Sheep | | | | 3.0 (1) | 2.0 (3) | | | | |
| Goat | | 2.0 (1) | | | | | | | |

Mpumalanga

Ermelo, Môregloed Veterinêre Spreekkamer

Beef: 2

Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 3, Goat: 2

Pretoria, Anima Veterinary Consulting Rooms

Beef: 1

Limpopo

Mokopane, Dr Henk Visser

Beef: 2

North West

Christiana, Christiana Dierehospitaal

Beef: 3, Sheep: 3

Free State

Clocolan, Clocolan Dierekliniek

Dairy: 1

Ficksburg, Oosvrystaat Diere Produkte

Beef: 2, Sheep: 2

Ladybrand, Ladybrand

Sheep: 2

Philippolis, Rowelsfontein veearts Spreekkamer

Sheep: 2

Kwazulu-Natal

Bergville, Tugela Vet Clinic

Beef: 1

Mooi River, Mooirivier Vet Clinic

Beef: 2

Pongola, Pongola Animal Clinic

Beef: 1

Eastern Cape

Cofimvaba, State Vet Cofimvaba

Beef: 1

Humansdorp, Humansdorp Veterinary Clinic

Beef: 1

Western Cape

Darling, Tygerberg Dierehospitaal Darling

Dairy: 1

Malmesbury, Dr Otto Kriek

Dairy: 1

Malmesbury, Invitrotech

Dairy: 3

Twenty cases

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 3

Riversdale, Riversdal Dierekliniek

Beef: 1, Dairy: 2

Swellendam, Swellendam Dierehospitaal

Dairy: 2

Northern Cape

Kuruman, Kuruman Dierekliniek

Beef: 2

| Lung infection | | | | | | | | | ^ |
|----------------|------------|---------|---------|------------|------------|---------------|--------------|--------------|-------------------|
| PROVINCE | Mpumalanga | Gauteng | Limpopo | North West | Free State | Kwazulu-Natal | Eastern Cape | Western Cape | Northern Cape |
| Average | 2.0 (8) | 1.5 (4) | | 2.6 (5) | 2.4 (19) | 2.0 (6) | 1.0 (1) | 1.7 (9) | 2.0 (3) |

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

| | | | | | | | | | |
|-------|---------|---------|--|---------|----------|---------|---------|---------|---------|
| Beef | 2.0 (6) | 2.0 (1) | | 2.5 (4) | 2.5 (10) | 2.0 (5) | | 2.0 (3) | 2.0 (1) |
| Dairy | | | | | 1.5 (2) | | 1.0 (1) | 1.3 (3) | |
| Sheep | 2.0 (2) | 2.0 (1) | | 3.0 (1) | 2.4 (7) | 2.0 (1) | | 2.0 (2) | 2.0 (2) |
| Goat | | 1.0 (2) | | | | | | 1.0 (1) | |

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 2

Bethal, Bethal Dierekliniek

Beef: 2, Sheep: 2

Ermelo, Môregloed Veterinêre Spreekkamer

Beef: 1

Grootvlei, Grootvlei Dierekliniek

Beef: 1, Sheep: 2

Middelburg , Middelburg Dierehospitaal

Beef: 3

Volksrust, Cape Cross Volksrust Dierehospitaal

Beef: 3

Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 2, Sheep: 2, Goat: 1

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Goat: 1

North West

Christiana, Christiana Dierehospitaal

Beef: 3, Sheep: 3

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 2

Leeudoringstad, Leeudoringstad Dierekliniek

Beef: 2

Stella, Stella Dierekliniek

Beef: 3

Free State

Clocolan, Clocolan Dierekliniek

Beef: 2, Dairy: 2, Sheep: 3

Ficksburg, Oosvrystaat Diere Produkte

Beef: 1

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 3

Ladybrand, Ladybrand

Beef: 3, Sheep: 1

Reitz, Riemland Dierehospitaal

Beef: 2, Dairy: 1, Sheep: 2

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 3, Sheep: 3

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2, Sheep: 2

Vrede, Vrede Dierehospitaal

Beef: 3, Sheep: 3

Winburg, Winburg Dierekliniek

Beef: 3

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

Beef: 2

Bergville, Tugela Vet Clinic

Beef: 2, Sheep: 2

Dundee, Endumeni Herd health

Beef: 2

Estcourt, Estcourt Vet Clinic

Beef: 1

Underberg, Underberg Veterinary Surgery

Beef: 3

Seasonal, chill

Eastern Cape**Humansdorp, Humansdorp Veterinary Clinic**

Dairy: 1

Western Cape**Caledon, Overberg Veterinary Hospital**

Beef: 3

Malmesbury, Dr Otto Kriek

Dairy: 1

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 2, Sheep: 2

Riversdale, Riversdal Dierekliniek

Dairy: 1, Sheep: 2, Goat: 1

Worcester, Durban Straat Dierekliniek Worcester

Beef: 1

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

Sheep: 2

Kuruman, Kuruman Dierekliniek

Beef: 2

Upington, Upington Veterinary Clinic

Sheep: 2

Pasteurellosis in young lambs, booster vaccines not given

| Mastitis in general | | | | | | | | | ^ |
|---|------------|---------|---------|------------|------------|---------------|--------------|--------------|---------------|
| PROVINCE | Mpumalanga | Gauteng | Limpopo | North West | Free State | Kwazulu-Natal | Eastern Cape | Western Cape | Northern Cape |
| Average | 1.0 (1) | 1.0 (4) | | 1.0 (1) | 1.0 (3) | 1.8 (4) | 1.5 (2) | 2.7 (9) | |
| Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported | | | | | | | | | |
| Beef | | 1.0 (2) | | 1.0 (1) | 1.0 (1) | 1.7 (3) | | | |
| Dairy | | | | | 1.0 (2) | 2.0 (1) | 2.0 (1) | 2.8 (8) | |
| Sheep | 1.0 (1) | | | | | | 1.0 (1) | 2.0 (1) | |
| Goat | | 1.0 (2) | | | | | | | |
| Mpumalanga | | | | | | | | | |
| Grootvlei, Grootvlei Dierekliniek | | | | | | | | | |
| Sheep: 1 | | | | | | | | | |
| Gauteng | | | | | | | | | |
| Hammanskraal, Themba Animal Clinic | | | | | | | | | |
| Beef: 1, Goat: 1 | | | | | | | | | |
| Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic | | | | | | | | | |
| Beef: 1, Goat: 1 | | | | | | | | | |
| North West | | | | | | | | | |
| Christiana, Christiana Dierehospitaal | | | | | | | | | |
| Beef: 1 | | | | | | | | | |
| Free State | | | | | | | | | |
| Clocolan, Clocolan Dierekliniek | | | | | | | | | |
| Dairy: 1 | | | | | | | | | |
| Ficksburg, Oosvrystaat Diere Produkte | | | | | | | | | |
| Beef: 1, Dairy: 1 | | | | | | | | | |
| Kwazulu-Natal | | | | | | | | | |
| Bergville, Tugela Vet Clinic | | | | | | | | | |
| Beef: 2 | | | | | | | | | |
| Estcourt, Estcourt Vet Clinic | | | | | | | | | |
| Dairy: 2 | | | | | | | | | |
| Mtubatuba, Mtubatuba Animal Clinic | | | | | | | | | |
| Beef: 2 | | | | | | | | | |
| Pongola, Pongola Animal Clinic | | | | | | | | | |
| Beef: 1 | | | | | | | | | |
| Eastern Cape | | | | | | | | | |
| Alexandria, Alexandria Platteland Spreekkamer | | | | | | | | | |
| Dairy: 2 | | | | | | | | | |
| Uitenhage, Uitenhage Dierehospitaal | | | | | | | | | |
| Sheep: 1 | | | | | | | | | |
| Western Cape | | | | | | | | | |
| Caledon, Caledon Dierekliniek | | | | | | | | | |
| Dairy: 3 | | | | | | | | | |
| Darling, Tygerberg Dierehospitaal Darling | | | | | | | | | |
| Dairy: 3 | | | | | | | | | |

| |
|--|
| Dairy: 3 |
| Malmesbury, Dr Otto Kriek |
| Dairy: 2 |
| Malmesbury, Invitrotech |
| Dairy: 3 |
| 59 new cases |
| Malmesbury, Malmesbury Dierehospitaal |
| Dairy: 3, Sheep: 2 |
| Riversdale, Riversdal Dierekliniek |
| Dairy: 2 |
| Swellendam, Swellendam Dierehospitaal |
| Dairy: 3 |

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

| |
|--|
| Mpumalanga |
| Balfour, Balfour Dierekliniek |
| Beef: 1 |
| Eastern Cape |
| Queenstown, Queenstown Provincial Vet Lab |
| Dairy: 1 |
| Western Cape |
| Darling, Tygerberg Dierehospitaal Darling |
| Dairy: 1 |
| Riversdale, Riversdal Dierekliniek |
| Goat: 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) | | 2.0 (1) | 2.0 (1) | | 2.0 (1) |
| Dairy | | | | | | | | 2.0 (1) |

| | | |
|--------------|---------|---------|
| Sheep | 1.0 (2) | 1.0 (1) |
| Goat | 1.0 (1) | |

Gauteng

Hammanskraal, Themba Animal Clinic

Sheep: 1

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 3

Fractures

Sheep: 1

Fractures

Limpopo

Mokopane, Dr Henk Visser

Beef: 1

North West

Christiana, Christiana Dierehospitaal

Goat: 1

Free State

Winburg, Winburg Dierekliniek

Beef: 2

Kwazulu-Natal

Camperdown, Camperdown Vet Clinic

Beef: 2, Sheep: 1

Western Cape

Malmesbury, Invitrotech

Dairy: 2

Northern Cape

Kimberley, Kimberley Dierekliniek

Beef: 2

Bruising seen at abattoir inspection

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

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

| | | | | | | | | | |
|--------------|---------|--|---------|--|---------|--|---------|---------|---------|
| Beef | 1.0 (3) | | 1.0 (1) | | 1.0 (1) | | | | 1.0 (1) |
| Dairy | | | | | | | 2.0 (1) | 2.0 (2) | |
| Sheep | | | | | 2.5 (2) | | | | |

Mpumalanga

Ermelo, Mōregloed Veterinêre Spreekkamer

Beef: 1

Grootvlei, Grootvlei Dierekliniek

Beef: 1

Volkswat, Cape Cross Volksrust Dierehospitaal

Beef: 1

| | | |
|--------------|---------|---------|
| Sheep | 1.0 (1) | 2.0 (1) |
|--------------|---------|---------|

Gauteng

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 1

Umbilical hernia

Sheep: 1

Umbilical hernia

Limpopo

Mokopane, Dr Henk Visser

Sheep: 2

Western Cape

Malmesbury, Dr Otto Kriek

Dairy: 2

Anaphylaxis? Adverse reaction to drug while administering the drug intra-venously. Cold exposure. Administering drugs intravenously must be done slowly when requested to do so by manufacturers.

Malmesbury, Invitrotech

Dairy: 2

Poor condition

Northern Cape

Kimberley, Kimberley Dierekliniek

Beef: 2

Icterus seen at abattoir inspection

Vestubular syndrome (Middle ear infection)

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

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

| | |
|--------------|---------|
| Sheep | 1.0 (1) |
|--------------|---------|

Gauteng

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Sheep: 1

Cystitis 1:

Metabolic Diseases

Acidosis

| PROVINCE | Mpumalanga | Gauteng | Limpopo | North West | Free State | Kwazulu-Natal | Eastern Cape | Western Cape | Northern Cape |
|----------------|------------|---------|---------|------------|------------|---------------|--------------|--------------|---------------|
| Average | 1.5 (2) | 2.0 (1) | 1.0 (2) | 3.0 (2) | 2.3 (12) | 1.3 (3) | 2.0 (2) | 2.0 (7) | 3.0 (1) |

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

| | | | | | | | | | |
|-------------|---------|--|---------|---------|---------|---------|---------|---------|--|
| Beef | 1.5 (2) | | 1.0 (1) | 3.0 (1) | 2.2 (6) | 2.0 (1) | 2.0 (1) | 2.0 (1) | |
|-------------|---------|--|---------|---------|---------|---------|---------|---------|--|

| | | | | | | | | |
|--------------|--|---------|---------|------------|---------|---------|---------|---------|
| Dairy | | | | 2.0 (1) | | | 2.5 (2) | |
| Sheep | | | 3.0 (1) | 2.4 (5) | 1.0 (2) | 2.0 (1) | 1.8 (4) | |
| Goat | | 2.0 (1) | 1.0 (1) | | | | | 3.0 (1) |

Mpumalanga

Grootvlei, Grootvlei Dierekliniek

Beef: 1

Standerton, Econovet

Beef: 2

Gauteng

Hammanskraal, Themba Animal Clinic

Goat: 2

Limpopo

Polokwane, Pietersburg Veterinary Clinic

Beef: 1, Goat: 1

North West

Leeudoringstad, Leeudoringstad Dierekliniek

Beef: 3, Sheep: 3

Free State

Clocolan, Clocolan Dierekliniek

Beef: 3, Dairy: 2, Sheep: 3

Ficksburg, Oosvrystaat Dier Produkte

Beef: 3

Soya bean harvested lands

Frankfort, Frankfort Dierekliniek

Sheep: 3

Kroonstad, Kroonstad Dierhospitaal

Beef: 2, Sheep: 2

Reitz, Riemland Dierhospitaal

Beef: 2

Vrede, Vrede Dierhospitaal

Beef: 1, Sheep: 2

Wesselsbron, Wesselsbron Dierekliniek

Sheep: 2

Winburg, Winburg Dierekliniek

Beef: 2

Kwazulu-Natal

Camperdown, Camperdown Vet Clinic

Sheep: 1

Dundee, Endumeni Herd health

Beef: 2, Sheep: 1

Eastern Cape

Alexandria, Riverview Trading Vet Consulting Services

Beef: 2

Queenstown, Queenstown Provincial Vet Lab

Sheep: 2

Western Cape

Beaufort West, Beaufort West State Vet

Sheep: 2

Maize, rumen not adapted.

Caledon, Overberg Veterinary Hospital

Dairy: 2

Malmesbury, Malmesbury Dierhospitaal

Beef: 2, Dairy: 3, Sheep: 2

Riversdale, Riversdal Dierekliniek

Sheep: 2

Worcester, Durban Straat Dierekliniek Worcester

Sheep: 1

Northern Cape

Postmasburg, Postmasburg Dierekliniek

Goat: 3

Displaced abomasum

| 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) | 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) | | | | |
| Dairy | | | | | | 2.0 (1) | 1.0 (1) | 3.0 (1) | |

Free State

Wesselsbron, Wesselsbron Dierekliniek

Beef: 1

Kwazulu-Natal

Dundee, Endumeni Herd health

Dairy: 2

Eastern Cape

Somerset East, Bosberg Veterinary Clinic

Dairy: 1

Right displaced abomasum in mid lactation, suspected secondary to enzootic bovine leukosis affecting the pyloric outflow of the abomasum

Western Cape

Malmesbury, Malmesbury Dierehospitaal

Dairy: 3

Ketosis

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

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

| | | | | | | | | | |
|-------|--|--|--|--|---------|--|---------|---------|--|
| Dairy | | | | | | | 1.0 (1) | 2.0 (1) | |
| Sheep | | | | | 2.3 (3) | | | 2.0 (3) | |

| | | | | | | | | | |
|---|------------|---------|---------|------------|------------|---------------|--------------|--------------|---------------|
| Goat | | | | | 1.0 (1) | | | | |
| Free State | | | | | | | | | |
| Frankfort, Frankfort Dierekliniek | | | | | | | | | |
| Sheep: 3 | | | | | | | | | |
| Kroonstad, Kroonstad Dierehospitaal | | | | | | | | | |
| Sheep: 2, Goat: 1 | | | | | | | | | |
| Reitz, Riemland Dierehospitaal | | | | | | | | | |
| Sheep: 2 | | | | | | | | | |
| Eastern Cape | | | | | | | | | |
| Alexandria, Alexandria Platteland Spreekkamer | | | | | | | | | |
| Dairy: 1 | | | | | | | | | |
| Western Cape | | | | | | | | | |
| Caledon, Overberg Veterinary Hospital | | | | | | | | | |
| Sheep: 2 | | | | | | | | | |
| Heidelberg (WC), Heidelberg Dierekliniek | | | | | | | | | |
| Sheep: 2 | | | | | | | | | |
| Malmesbury, Malmesbury Dierehospitaal | | | | | | | | | |
| Dairy: 2, Sheep: 2 | | | | | | | | | |
| Milk Fever | | | | | | | | | ▲ |
| PROVINCE | Mpumalanga | Gauteng | Limpopo | North West | Free State | Kwazulu-Natal | Eastern Cape | Western Cape | Northern Cape |
| Average | | | | | 2.0 (4) | 3.0 (1) | | 2.3 (6) | |
| Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported | | | | | | | | | |
| Beef | | | | | 2.0 (1) | | | 2.0 (1) | |
| Dairy | | | | | 2.0 (2) | 3.0 (1) | | 2.5 (4) | |
| Sheep | | | | | 2.0 (1) | | | 2.0 (1) | |
| Free State | | | | | | | | | |
| Frankfort, Frankfort Dierekliniek | | | | | | | | | |
| Beef: 2, Dairy: 3 | | | | | | | | | |
| Ladybrand, Ladybrand | | | | | | | | | |
| Sheep: 2 | | | | | | | | | |
| Memel, Memel Veterinary Clinic | | | | | | | | | |
| Dairy: 1 | | | | | | | | | |
| Kwazulu-Natal | | | | | | | | | |
| Estcourt, Estcourt Vet Clinic | | | | | | | | | |
| Dairy: 3 | | | | | | | | | |
| Western Cape | | | | | | | | | |
| Caledon, Overberg Veterinary Hospital | | | | | | | | | |
| Dairy: 2 | | | | | | | | | |
| Heidelberg (WC), Heidelberg Dierekliniek | | | | | | | | | |
| Dairy: 3 | | | | | | | | | |
| Malmesbury, Malmesbury Dierehospitaal | | | | | | | | | |

Beef: 2, Dairy: 3, Sheep: 2

Riversdale, Riversdal Dierekliniek

Dairy: 2

Reproductive diseases

Dystocia (Difficult Births)



| PROVINCE | Mpumalanga | Gauteng | Limpopo | North West | Free State | Kwazulu-Natal | Eastern Cape | Western Cape | Northern Cape |
|----------|------------|---------|---------|------------|------------|---------------|--------------|--------------|---------------|
| Average | 1.7 (12) | 1.8 (8) | | 3.0 (3) | 2.1 (20) | 2.1 (11) | 1.5 (8) | 2.1 (10) | 1.6 (5) |

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

| | | | | | | | | | |
|-------|---------|---------|--|---------|----------|---------|---------|---------|---------|
| Beef | 1.8 (8) | 2.3 (3) | | 3.0 (2) | 2.0 (13) | 2.3 (6) | 2.0 (1) | 2.0 (2) | 1.5 (2) |
| Dairy | 1.0 (1) | | | | 2.0 (1) | 2.0 (1) | 2.0 (3) | 2.3 (6) | |
| Sheep | 1.7 (3) | 1.7 (3) | | 3.0 (1) | 2.2 (6) | 1.7 (3) | 1.0 (2) | 1.5 (2) | 2.0 (1) |
| Goat | | 1.0 (2) | | | | 2.0 (1) | 1.0 (2) | | 1.5 (2) |

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 2, Sheep: 2

Bethal, Bethal Dierekliniek

Beef: 2, Dairy: 1

Ermelo, Môregloed Veterinêre Spreekkamer

Beef: 1

Grootvlei, Grootvlei Dierekliniek

Beef: 2, Sheep: 2

Lydenburg, Lydenburg Dieresprekkamer

Beef: 2, Sheep: 1

Middelburg, Middelburg Dierehospitaal

Beef: 1

Piet Retief, Pets Vet Hospital

Beef: 2

Volksrust, Cape Cross Volksrust Dierehospitaal

Beef: 2

Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 3, Goat: 1

Muldersdrift, Muldersdrift Animal Hospital

Beef: 3, Sheep: 3

Pretoria, Anima Veterinary Consulting Rooms

Sheep: 1

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 1, Sheep: 1, Goat: 1

North West

Christiana, Christiana Dierehospitaal

Beef: 3

Ventersdorp, Ventersdorp Dierekliniek

Beef: 3, Sheep: 3

Free State**Clocolan, Clocolan Dierekliniek**

Beef: 2

Ficksburg, Oosvrystaat Diere Produkte

Beef: 1, Sheep: 2

Frankfort, Frankfort Dierekliniek

Beef: 3

Hertzogville, Hertzogville Dierekliniek

Beef: 2

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 2, Dairy: 2

Memel, Memel Veterinary Clinic

Beef: 2, Sheep: 2

Reitz, Riemland Dierehospitaal

Beef: 2, Sheep: 2

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 2, Sheep: 2

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2, Sheep: 2

Vrede, Vrede Dierehospitaal

Beef: 1

Wesselsbron, Wesselsbron Dierekliniek

Beef: 1

Winburg, Winburg Dierekliniek

Beef: 3

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

Beef: 2, Sheep: 2

Camperdown, Camperdown Vet Clinic

Goat: 2

Dundee, Endumeni Herd health

Beef: 2

Estcourt, Estcourt Vet Clinic

Beef: 2, Dairy: 2, Sheep: 1

Mooi River, Mooirivier Vet Clinic

Beef: 3, Sheep: 2

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2

Underberg, Underberg Veterinary Surgery

Beef: 3

Seasonal

Eastern Cape**Alexandria, Alexandria Platteland Spreekkamer**

Dairy: 2

Aliwal North, Hertzogbrug Dierekliniek

Beef: 2

Cofimvaba, State Vet Cofimvaba

Sheep: 1

Humansdorp, Humansdorp Veterinary Clinic

Dairy: 2

Somerset East, Bosberg Veterinary Clinic

Dairy: 2

Multiple dystocias seen mostly due to foetal malposition

Uitenhage, Uitenhage Dierehospitaal

Goat: 1

Witelsbos, Witelsbos Veterinary Consulting Rooms

Sheep: 1, Goat: 1

Western Cape

Beaufort West, Beaufort Dierekliniek

Sheep: 1

Caledon, Overberg Veterinary Hospital

Beef: 2, Dairy: 2, Sheep: 2

Darling, Tygerberg Dierehospitaal Darling

Dairy: 3

Malmesbury, Dr Otto Kriek

Dairy: 3

Malmesbury, Invitrotech

Dairy: 2

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 2

Swellendam, Swellendam Dierehospitaal

Dairy: 2

Northern Cape

Kimberley, Kimberley Dierekliniek

Beef: 1

Kuruman, Kuruman Dierekliniek

Goat: 1

Postmasburg, Postmasburg Dierekliniek

Beef: 2, Sheep: 2, Goat: 2

| Endometritis | | | | | | | | | ^ |
|--------------|------------|---------|---------|------------|------------|---------------|--------------|--------------|---------------|
| PROVINCE | Mpumalanga | Gauteng | Limpopo | North West | Free State | Kwazulu-Natal | Eastern Cape | Western Cape | Northern Cape |
| Average | | | | | | | 3.0 (1) | 2.7 (6) | |

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

| | | | | | | | | | |
|-------|--|--|--|--|--|--|---------|---------|--|
| Dairy | | | | | | | 3.0 (1) | 2.7 (6) | |
|-------|--|--|--|--|--|--|---------|---------|--|

Eastern Cape

Somerset East, Bosberg Veterinary Clinic

Dairy: 3

Western Cape

Caledon, Caledon Dierekliniek

Dairy: 3

Heidelberg (WC), Heidelberg Dierekliniek

Dairy: 3

Malmesbury, Malmesbury Dierehospitaal

Dairy: 3

Riversdale, Riversdal Dierekliniek

Dairy: 2

Swellendam, Swellendam Dierehospitaal

Dairy: 3

Worcester, Durban Straat Dierekliniek Worcester

Dairy: 2

| Metritis | | | | | | | | | ^ |
|----------|------------|---------|---------|------------|------------|---------------|--------------|--------------|---------------|
| PROVINCE | Mpumalanga | Gauteng | Limpopo | North West | Free State | Kwazulu-Natal | Eastern Cape | Western Cape | Northern Cape |
| Average | 1.5 (2) | | | 3.0 (1) | 2.0 (1) | | 2.0 (5) | 2.3 (9) | 2.0 (1) |

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

| | | | | | | | | | |
|-------|---------|--|--|---------|---------|--|---------|---------|---------|
| Beef | 1.5 (2) | | | 3.0 (1) | | | 1.0 (1) | | |
| Dairy | | | | | 2.0 (1) | | 2.3 (4) | 2.5 (8) | |
| Sheep | | | | | | | | 1.0 (1) | |
| Goat | | | | | | | | | 2.0 (1) |

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1

Lydenburg, Lydenburg Dieresprekkamer

Beef: 2

North West

Christiana, Christiana Dierehospitaal

Beef: 3

Free State

Clocolan, Clocolan Dierekliniek

Dairy: 2

Eastern Cape

Alexandria, Alexandria Platteland Spreekkamer

Dairy: 1

Cofimvaba, State Vet Cofimvaba

Beef: 1

Humansdorp, Humansdorp Veterinary Clinic

Dairy: 3

Kareedouw, Tenax Vet Clinic

Dairy: 3

274 cases

Somerset East, Bosberg Veterinary Clinic

Dairy: 2

Western Cape

Beaufort West, Beaufort Dierekliniek

Sheep: 1

Caledon, Caledon Dierekliniek

Dairy: 3

Darling, Tygerberg Dierehospitaal Darling

Dairy: 3

Heidelberg (WC), Heidelberg Dierekliniek

Dairy: 2

Malmesbury, Dr Otto Kriek

Dairy: 1

Malmesbury, Invitrotech

Dairy: 3

Thirty cases

Malmesbury, Malmesbury Dierehospitaal

Dairy: 3

Riversdale, Riversdal Dierekliniek

Dairy: 2

Swellendam, Swellendam Dierehospitaal

Dairy: 3

Northern Cape

Postmasburg, Postmasburg Dierekliniek

Goat: 2

Poor conception



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

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

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

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1

Lydenburg, Lydenburg Dieresprekkamer

Beef: 2

Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 2

Limpopo

Polokwane, Pietersburg Veterinary Clinic

Beef: 2, Sheep: 1, Goat: 1

North West

Christiana, Christiana Dierehospitaal

Beef: 2

Free State

Clocolan, Clocolan Dierekliniek

Beef: 2

Kroonstad, Kroonstad Dierehospitaal

Beef: 1

Vrede, Vrede Dierehospitaal

Beef: 2

Winburg, Winburg Dierekliniek

Beef: 3

Kwazulu-Natal

Mooi River, Mooirivier Vet Clinic

Beef: 1

Eastern Cape

Humansdorp, Humansdorp Veterinary Clinic

Beef: 1

Uitenhage, Uitenhage Dierehospitaal

Beef: 1

Western Cape**Malmesbury, Dr Otto Kriek**

Dairy: 2

Malmesbury, Malmesbury Dierehospitaal

Dairy: 2

Northern Cape**Kuruman, Kuruman Dierekliniek**

Beef: 2

Postmasburg, Postmasburg Dierekliniek

Beef: 2

| Retained afterbirth | | | | | | | | | ^ |
|---|------------|---------|---------|------------|------------|---------------|--------------|--------------|-------------------|
| PROVINCE | Mpumalanga | Gauteng | Limpopo | North West | Free State | Kwazulu-Natal | Eastern Cape | Western Cape | Northern Cape |
| Average | 1.0 (4) | | | 1.0 (1) | 1.7 (3) | 1.5 (2) | 1.5 (2) | 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 (3) | | | 1.0 (1) | 1.5 (2) | 1.5 (2) | 1.0 (1) | 2.0 (1) | |
| Dairy | | | | | | | | 2.3 (3) | |
| Sheep | 1.0 (1) | | | | 2.0 (1) | | 2.0 (1) | | |

Mpumalanga**Balfour, Balfour Dierekliniek**

Beef: 1, Sheep: 1

Lydenburg, Lydenburg Dieresprekkamer

Beef: 1

Nelspruit, Nelspruit Animal Hospital

Beef: 1

North West**Christiana, Christiana Dierehospitaal**

Beef: 1

Free State**Ladybrand, Ladybrand**

Beef: 1

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 2

Winburg, Winburg Dierekliniek

Beef: 2

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

Beef: 2

Mooi River, Mooirivier Vet Clinic

Beef: 1

Eastern Cape

Aliwal North, Hertzogbrug Dierekliniek

Beef: 1

Cofimvaba, State Vet Cofimvaba

Sheep: 2

Western Cape**Caledon, Caledon Dierekliniek**

Dairy: 2

Malmesbury, Dr Otto Kriek

Dairy: 2

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 3

Sheath Prolaps

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

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

| | | | | | | | | | |
|------|---------|--|--|--|---------|---------|---------|--|---------|
| Beef | 1.5 (2) | | | | 1.0 (3) | 1.0 (2) | 1.0 (1) | | 1.0 (1) |
|------|---------|--|--|--|---------|---------|---------|--|---------|

Mpumalanga**Ermelo, Môregloed Veterinêre Spreekkamer**

Beef: 2

Nelspruit, Nelspruit Animal Hospital

Beef: 1

Free State**Hoopstad, Hoopstad Dierekliniek**

Beef: 1

Kroonstad, Kroonstad Dierehospitaal

Beef: 1

Ladybrand, Ladybrand

Beef: 1

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

Beef: 1

Mtubatuba, Mtubatuba Animal Clinic

Beef: 1

Eastern Cape**Aliwal North, Hertzogbrug Dierekliniek**

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 | 1.3 (3) | 1.0 (1) | 1.5 (2) | | 1.9 (11) | 1.5 (2) | 1.0 (2) | 1.8 (5) |
|----------------|---------|---------|---------|--|----------|---------|---------|---------|

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

| | | | | | | | | |
|--------------|---------|---------|---------|--|---------|---------|---------|---------|
| Beef | 1.3 (3) | 1.0 (1) | 1.5 (2) | | 2.0 (8) | 1.5 (2) | | 2.0 (1) |
| Dairy | | | | | | | 1.0 (1) | 1.7 (3) |
| Sheep | | | | | 1.7 (3) | | 1.0 (1) | 2.0 (1) |

Mpumalanga

Bethal, Bethal Dierekliniek

Beef: 1

Ermelo, Môregloed Veterinêre Spreekkamer

Beef: 2

Volksrust, Cape Cross Volksrust Dierehospitaal

Beef: 1

Gauteng

Bronkhorstspuit, Kerkstraat Dierekliniek

Beef: 1

Limpopo

Mokopane, Dr Henk Visser

Beef: 1

Polokwane, Pietersburg Veterinary Clinic

Beef: 2

Free State

Clocolan, Clocolan Dierekliniek

Beef: 2

Ficksburg, Oosvrystaat Dier Produkte

Beef: 2

Frankfort, Frankfort Dierekliniek

Beef: 3, Sheep: 3

Hertzogville, Hertzogville Dierekliniek

Beef: 1

Hoopstad, Hoopstad Dierekliniek

Sheep: 1

Kroonstad, Kroonstad Dierehospitaal

Beef: 2

Ladybrand, Ladybrand

Sheep: 1

Memel, Memel Veterinary Clinic

Beef: 2

Reitz, Riemland Dierehospitaal

Beef: 2

Winburg, Winburg Dierekliniek

Beef: 2

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Estcourt, Estcourt Vet Clinic

Beef: 1

Eastern Cape

Alexandria, Riverview Trading Vet Consulting Services

Dairy: 1

Humansdorp, Humansdorp Veterinary Clinic

Sheep: 1

Western Cape**Caledon, Overberg Veterinary Hospital**

Dairy: 1

Heidelberg (WC), Heidelberg Dierekliniek

Dairy: 2

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 2

Riversdale, Riversdal Dierekliniek

Sheep: 2

Vaginal (Cervical) prolaps

| PROVINCE | Mpumalanga | Gauteng | Limpopo | North West | Free State | Kwazulu-Natal | Eastern Cape | Western Cape | Northern Cape |
|----------------|------------|---------|---------|------------|------------|---------------|--------------|--------------|---------------|
| Average | 1.4 (8) | 1.3 (3) | 1.0 (2) | 2.0 (2) | 1.9 (9) | 1.7 (6) | 1.7 (3) | 1.3 (3) | 1.0 (1) |

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

| | | | | | | | | | |
|--------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Beef | 1.3 (4) | 1.5 (2) | 1.0 (1) | 2.0 (2) | 1.9 (7) | 2.0 (4) | 1.5 (2) | | 1.0 (1) |
| Dairy | | | | | | 1.0 (1) | | 1.0 (1) | |
| Sheep | 1.7 (3) | 1.0 (1) | | | 2.0 (2) | | 2.0 (1) | 1.5 (2) | |
| Goat | 1.0 (1) | | 1.0 (1) | | | 1.0 (1) | | | |

Mpumalanga**Bethal, Bethal Dierekliniek**

Beef: 1, Sheep: 1

Ermelo, Môregloed Veterinêre Spreekkamer

Beef: 1, Sheep: 2

Grootvlei, Grootvlei Dierekliniek

Beef: 2

Nelspruit, Nelspruit Animal Hospital

Goat: 1

Volkswest, Cape Cross Volksrust Dierehospitaal

Beef: 1, Sheep: 2

Gauteng**Hammanskraal, Themba Animal Clinic**

Beef: 2, Sheep: 1

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 1

Limpopo**Polokwane, Pietersburg Veterinary Clinic**

Beef: 1, Goat: 1

North West**Brits, Brits Dierekliniek**

Beef: 2

Leeudoringstad, Leeudoringstad Dierekliniek

Beef: 2

Free State**Clocolan, Clocolan Dierekliniek**

Beef: 1

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Ladybrand, Ladybrand

Sheep: 1

Memel, Memel Veterinary Clinic

Beef: 2

Reitz, Riemland Dierehospitaal

Beef: 2

Vrede, Vrede Dierehospitaal

Beef: 2

Wesselsbron, Wesselsbron Dierekliniek

Beef: 1

Winburg, Winburg Dierekliniek

Beef: 2

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

Beef: 3

Camperdown, Camperdown Vet Clinic

Dairy: 1, Goat: 1

Dundee, Endumeni Herd health

Beef: 2

Estcourt, Estcourt Vet Clinic

Beef: 1

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2

Eastern Cape**Aliwal North, Hertzogbrug Dierekliniek**

Beef: 1

Cofimvaba, State Vet Cofimvaba

Beef: 2, Sheep: 2

Western Cape**Caledon, Overberg Veterinary Hospital**

Dairy: 1

Riversdale, Riversdal Dierekliniek

Sheep: 2

Swellendam, Swellendam Dierehospitaal

Sheep: 1

Northern Cape**Kimberley, Kimberley Dierekliniek**

Beef: 1

Climatical Cause**Cold exposure**

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

| | | | | | | | | | |
|---|-------------------|----------------|----------------|-------------------|-------------------|----------------------|---------------------|---------------------|----------------------|
| Average | | 2.0 (1) | | 3.0 (1) | 2.0 (2) | | | 1.0 (1) | |
| Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported | | | | | | | | | |
| Sheep | | | | 3.0 (1) | 2.0 (2) | | | | |
| Goat | | 2.0 (1) | | | | | | 1.0 (1) | |
| Gauteng | | | | | | | | | |
| Hammanskraal, Themba Animal Clinic | | | | | | | | | |
| Goat: 2 | | | | | | | | | |
| North West | | | | | | | | | |
| Leeudoringstad, Leeudoringstad Dierekliniek | | | | | | | | | |
| Sheep: 3 | | | | | | | | | |
| Lambs bought without their mothers and transported from Upington. | | | | | | | | | |
| Free State | | | | | | | | | |
| Clocolan, Clocolan Dierekliniek | | | | | | | | | |
| Sheep: 3 | | | | | | | | | |
| Wesselsbron, Wesselsbron Dierekliniek | | | | | | | | | |
| Sheep: 1 | | | | | | | | | |
| Western Cape | | | | | | | | | |
| Riversdale, Riversdal Dierekliniek | | | | | | | | | |
| Goat: 1 | | | | | | | | | |
| Drought | | | | | | | | | |
| PROVINCE | Mpumalanga | Gauteng | Limpopo | North West | Free State | Kwazulu-Natal | Eastern Cape | Western Cape | Northern Cape |
| Average | | | | | | | 2.2 (5) | 1.0 (1) | |
| Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported | | | | | | | | | |
| Beef | | | | | | | 2.0 (1) | | |
| Dairy | | | | | | | 2.5 (2) | | |
| Sheep | | | | | | | 2.0 (1) | 1.0 (1) | |
| Goat | | | | | | | 2.0 (1) | | |
| Eastern Cape | | | | | | | | | |
| Alexandria, Alexandria Platteland Spreekkamer | | | | | | | | | |
| Dairy: 3 | | | | | | | | | |
| Witelsbos, Witelsbos Veterinary Consulting Rooms | | | | | | | | | |
| Beef: 2, Dairy: 2, Sheep: 2, Goat: 2 | | | | | | | | | |
| Western Cape | | | | | | | | | |
| Oudtshoorn, Oudtshoorn Dierekliniek | | | | | | | | | |
| Sheep: 1 | | | | | | | | | |
| Veld in very poor condition, animals eating toxic plants, sporadic deaths, animals eating toxic plants? | | | | | | | | | |
| Lightning | | | | | | | | | |

| 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) | | |
|------|---------|--|--|--|--|--|---------|--|--|

Mpumalanga

Bethal, Bethal Dierekliniek

Beef: 1

Eastern Cape

Aliwal North, Hertzogbrug Dierekliniek

Beef: 1

Frozen to death



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

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

| | | | | | | | | | |
|-------|--|--|--|--|--|--|--|---------|--|
| Sheep | | | | | | | | 2.0 (1) | |
|-------|--|--|--|--|--|--|--|---------|--|

Western Cape

Heidelberg (WC), Heidelberg Dierekliniek

Sheep: 2

Non specific diseases

Cause of death not established



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

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

| | | | | | | | | | |
|------|--|--|--|--|--|--|---------|--|--|
| Beef | | | | | | | 1.0 (1) | | |
|------|--|--|--|--|--|--|---------|--|--|

| | | | | | | | | | |
|-------|--|--|--|--|---------|--|---------|--|--|
| Sheep | | | | | 1.0 (1) | | 1.0 (1) | | |
|-------|--|--|--|--|---------|--|---------|--|--|

Free State

Clocolan, Clocolan Dierekliniek

Sheep: 1

Eastern Cape

Queenstown, Queenstown Provincial Vet Lab

Beef: 1

Poor samples and history (few organs with NAD)

Sheep: 1

Poor samples and history (few organs with NAD)

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

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

| | | | | | | | | | |
|-------|--|---------|--|--|---------|--|---------|--|--|
| Beef | | 1.0 (1) | | | 3.0 (1) | | | | |
| Dairy | | | | | | | 1.0 (1) | | |
| Sheep | | 1.0 (1) | | | 2.7 (3) | | | | |

Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 1, Sheep: 1

Free State

Clocolan, Clocolan Dierekliniek

Beef: 3, Sheep: 3

Philippolis, Rowelsfontein veearts Spreekkamer

Sheep: 3

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 2

Eastern Cape

Alexandria, Alexandria Platteland Spreekkamer

Dairy: 1

| Sabotation - Theft | | | | | | | | | ^ |
|--------------------|------------|---------|---------|------------|------------|---------------|--------------|--------------|---------------|
| PROVINCE | Mpumalanga | Gauteng | Limpopo | North West | Free State | Kwazulu-Natal | Eastern Cape | Western Cape | Northern Cape |
| Average | | 1.0 (1) | | | 2.8 (8) | 2.0 (1) | | | |

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

| | | | | | | | | | |
|-------|--|---------|--|--|---------|---------|--|--|--|
| Beef | | 1.0 (1) | | | 2.8 (4) | 2.0 (1) | | | |
| Sheep | | | | | 2.8 (4) | | | | |

Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 1

Free State

Clocolan, Clocolan Dierekliniek

Beef: 3, Sheep: 3

Frankfort, Frankfort Dierekliniek

Beef: 3, Sheep: 3

Reitz, Riemland Dierhospitaal

Sheep: 2

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2, Sheep: 3

Winburg, Winburg Dierekliniek

Beef: 3

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

Beef: 2

| Trauma | | | | | | | | | ^ |
|----------|------------|---------|---------|------------|------------|---------------|--------------|--------------|---|
| PROVINCE | Mpumalanga | Gauteng | Limpopo | North West | Free State | Kwazulu-Natal | Eastern Cape | Western Cape | |
| Average | | 1.3 (3) | | | | | | | |

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

| | |
|------|---------|
| Beef | 1.5 (2) |
| Goat | 1.0 (1) |

Gauteng**Bronkhorstspuit, Kerkstraat Dierekliniek**

Beef: 1

Hammanskraal, Themba Animal Clinic

Beef: 2, Goat: 1