

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

September 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 (115) submitted reports during September 2018:

Mpumalanga (10)

Balfour – Dr. Louis van Jaarsveld

Bethal – Dr. Hardus Pieters

Ermelo – Dr. Ben Potgieter

Grootvlei – Dr. Neels van Wyk

Karino – Dr. Silke Pfitzer

Middelburg – Drs. Erasmus, Malan and Bernitz

Nelspruit – Dr. André Beytel

Piet Retief – Drs. Niebuhr and Weber

Standerton – Dr. Kobie Kroon

Volkstrust – Dr. Johan Blaauw

Gauteng (8)

Bapsfontein – Drs. Englbrecht and Olivier

Bronkhorstspuit – Dr. De Bruin, De Bruin and Labuschagne

Hammanskraal – Dr. Hentie Engelbrecht

Magaliesburg – Dr. Ryan Jeffery

Nigel – Dr. Cindy van der Westhuizen

Onderstepoort Veterinary Academic Hospital – Proff. Annandale, Shakespear, Holm, Pettey and Drs, Fitte, Grobler, Hamman, Koepfel, Leask, Mabu, Marufu, Mokoele, O'Dell, Tshuma and Van der Leek

Pretoria – Dr. Hanneke Pienaar

Vanderbijlpark – Dr. Kobus Kok

Limpopo (7)

Bela-Bela – Dr. Nele Sabbe

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 – Dr. Danie Odendaal

Vaalwater – Dr. Hampie van Staden

Vaalwater – Dr. Annemieke Müller

North West (9)

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

Lichtenburg – Dr. Nelmarie -Krüger-Rall

Stella - Dr. Magdaleen Vosser

Ventersdorp/ Koster –Drs. Benadé and Van der Merwe

Vryburg – Dr. Jurie Kritzing

Free State (20)

Bethlehem – Drs. Strydom and Strydom

Bloemfontein – Dr. Stephan Wessels

Bultfontein – Dr. Santjie Pieterse

Clocolan – Drs. Wasserman and Basson

Dewetsdorp – Dr. Marike Badenhorst

Excelsior/Ladybrand – Drs. Dedré Nel

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 Hauptfleish

Wesselsbron – Dr. Johan Jacobs

Zastron – Drs. Troskie and Strauss

KwaZulu-Natal (11)

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
Kokstad – Drs. Clowes and Shrives
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 (14)

Alexandria - Dr. Johan Olivier
Alexandria – Dr. Charlene Boy
Aliwal North – Drs. Troskie and Strauss
Bathurst – Dr. Jane Pistorius
Cofimvaba – Dr. Werner Wentzel
Cradock – Dr. Frans Erasmus
Graaff- Reinet - Dr. Roland Larson
Humansdorp – Drs. Van Niekerk, Jansen Van Vuuren and Davis
Middelburg/Steynsburg – Drs. Van Rooyen and Viljoen
Queenstown – Drs. Du Preez, Godley, Klopper, Jansen van Vuuren, De Klerk and Catherine
Somerset East – Drs. Farrel, Louw and Ross
Stutterheim – Dr. Dave Waterman
Uitenhage – Drs. Mulder and Krüger
Witelsbos – Dr. Elmien Kotze

Western Cape (22)

Beaufort West - Dr. Jaco Pienaar
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
Malmesbury – Drs. Heyns and Zolner
Moorreesburg – Tygerbeg Animal Hospital
Oudtshoorn – Dr. Glen Carlisle

Oudtshoorn – Dr. Adriaan Olivier
Piketberg – Dr. André van der Merwe
Plettenberg Bay – Dr. André Reitz
Riversdale – Drs. Du Plessis, Taylor and De Bruyn
Stellenbosch – Dr. Alfred Kidd
Swellendam – Dr. Jacques Malan
Tulbagh/Ceres – Drs. Hamman, Wilson and Triegaardt
Vredenburg – Dr. Izak Rust
Wellington – Dr. Van Zyl and Louw

Northern Cape (7)

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

Feedlots (1)

Drs. Morris and Du Preez

Laboratory reports (7)

Dr. Marijke Henton - Vetdiagnostix, Johannesburg
Dr. Liza du Plessis – Idexx SA - Johannesburg
Dr. Last – Vetdiagnostix, Pietermaritzburg
Dr. Sophette Gers – Pathcare, Cape Town
Dr. Annelie Cloete - Stellenbosch
Queenstown Provincial Laboratory
Dr. Mark Chimes – Dairy Standards, George

Summary

Farmers are looking forward to a prosperous spring and summer season. With good rainfall comes an increase in insect and tick populations. Midges, mosquitoes, biting flies and ticks transmit diseases and farmers should have vaccinated their animals against these diseases. Examples of these diseases are:

Insect transmitted diseases: Blue tongue, Rift Valley fever, Lumpy skin disease, Ephemeral fever (Three-day-stiff-sickness), Nagana, Anaplasmosis and African horse sickness.

Tick transmitted diseases: African and Asiatic red water, Anaplasmosis, Heart water and Corridor disease.

It is important that farmers discuss vaccination and treatment programmes with their veterinarian. Early clinical signs of these diseases should be recognized so that treatment can be started as soon as possible. There is no specific treatment for viral diseases, it is important that animals be vaccinated in time to prevent disease outbreaks!

The presence of Bovine brucellosis, *Brucella ovis* (Ram's disease), Trichomonosis, Vibriosis, Johne's disease in herds are of great concern. All animal owners and breeding societies together with private and State Veterinary services should work together to fight and eradicate diseases.

Diseases are stumbling blocks in the way of achieving our goal i.e. food security, food safety and economical stability of farmers.

We are still continuing our fight against Brucellosis and a *Brucella melitensis* outbreak occurred in the Graaf-Reinet area in Boergoats causing abortions.

THE CONSEQUENCES OF BOVINE BRUCELLOSIS FOR MY BEEF HERD

Brucellosis in a beef herd may be compared to a slow spreading cancer eroding your herd from internally. One may think that all is well until the reality suddenly dawns upon you. It is an erosion disease which one should never underestimate.

Brucellosis is one of the biggest threats to your herd in South Africa and to ignore this is equivalent to indirectly acknowledging that you are farming with livestock without the objective to derive a profit from them.

As a veterinarian and livestock farmer I decided from the onset that a stringent brucellosis management program had to be one of the most important priorities in my herd.

Brucellosis is an important zoonosis (disease transmitted from animals to man) and occupational disease hazard which may sometimes have serious consequences for humans.

Infected cows and heifers often remain permanent carriers of the bacteria and contamination of the environment takes place with huge numbers of organisms when they calf or abort. Hence it is of utmost importance that with good management practice and with the use of a good traceability system that ALL infected cows, and their progeny (calves) be immediately removed from your herd. Failing to do so and to implement this important culling step, will result in brucellosis remaining in the herd.

Stud breeders who market breeding bulls are rudely awakened when their bulls test positive for brucellosis shortly before an auction having been born from infected mothers. The costs to breed bulls and to raise them speak for themselves. The financial losses and accompanying loss of reputation to your stud name are huge.

Commercial beef producers have as much to lose in terms of profitability in the herd if brucellosis is ignored. A female animal usually only aborts once but she remains a constant source of infection in discharges when coming on heat or calving. Inter-calving periods may increase and reproduction management becomes difficult. Positive female animals have to be culled and financial losses escalate.

Written by: Dr. Santjie Pieterse, Greylingrust, Bultfontein (santjie418@gmail.com)

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

VENDOR DECLARATION BOVINE BRUCELLOSIS

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

1	The cattle for sale are clearly and permanently identified		Yes	No
2	The cattle for sale/slaughter were born on my farm		Yes	No
3	The farm has a closed herd policy i.e. I do not buy in cattle, rent out grazing or speculate with cattle		Yes	No
4	I practice bio-security on my farm to a level that is **	Poor	Moderate	Good
5	I vaccinate my heifer calves against Bovine Brucellosis once between the ages of 4 – 8 months		Yes	No
6	In addition, I vaccinate my cattle older than 8 months with RB51		Yes	No
7	I have all the cattle on my farm tested for Bovine Brucellosis		Yes (date)	No
8	My herd has been tested negative within the past year		Yes	No
9	I did not buy in cattle since my last negative brucellosis test		Yes	No
10	I/my vet investigates any abortions on my farm		Yes	No
11	To the best of my knowledge, my immediate neighbours and farms in my area are free of Bovine Brucellosis		Yes	No

12	I use a veterinarian to advise me on my cattle's herd health		Yes	No
13	The cattle handling facilities on my farm are	Poor	Average	Good

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

Owner or authorised representative:

Signature:

Date:

**** * Biosecurity**

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

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

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

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

OVINE JOHNE'S DISEASE VENDOR DECLARATION

ON THE SALE OF SHEEP

(Updated Draft May 2015)

- | | | | |
|--|--|-----|----|
| 1. I hereby declare that I am the owner or authorised representative of the sheep on sale and am competent to make this declaration. | <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 PORTERIA
UNIVERSITY OF PORTERIA
UNIVERSITAT VAN PORTERIA



RUVASA
Rural Veterinary Association of South Africa



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 be 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

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

Early rain fell in many parts of South Africa. 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. Check animals for bottle jaw and anaemia. As temperatures rise, be aware of early outbreaks of wireworm infestations. For worm eggs to hatch humidity, temperature above 15 degree Celsius and oxygen are needed.

It cannot be stressed enough that the basis of preventing cryptosporidiosis and pathogenic *E. coli* outbreaks is biosecurity and making sure that the mothers give the best possible colostrum quality to their offspring.

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.

It is important to contact your veterinarian to help you diagnose what the problem(s) on the farm is when young animals start dying. Samples are set away for diagnosis. *Cryptosporidia* and *E.coli* can be present in the water and food sources. Supply workers with protective clothing which have to be kept on the farm.

Prevention of Cryptosporidiosis

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

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

Ensure no nutritional deficiencies especially vitamin A and Selenium

Excellent bio-security

Ensure clean water sources

External parasites

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

External parasites	MP	G	L	NW	FS	KZN	EC	WC	NC
Blue ticks	x	x	x	x	x	x	x	x	x
Resistant blue ticks	x							x	
Heartwater ticks	x	x	x	x	x	x	x		
Brown ear-ticks						x			
Bont-legged ticks	x	x	x	x	x		x		x
Red-legged ticks	x	x		x	x	x	x		x
Paralysis ticks		x					x		
Tampans									
Biting lice				x	x	x	x		
Sucking lice				x	x				x
Itch mites								x	
Sheep scab					x		x		
Mange mites		x		x	x		x		

Nuisance flies	x					x		x	
Midges					x			x	
Mosquitoes				x	x			x	
Blowflies					x			x	
Screw-worm	x								
Gedoelestia (uitpeuloogsiekte)		x							
Nasal bot		x			x				

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

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

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 outbreaks of ticks 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	
Asiatic red water	x	x	x		x	x	x	x	
Anaplasmosis	x	x		x	x	x	x	x	
Heartwater	x	x	x			x	x		
Lumpy skin disease						x			

Corridor disease									
Theileriosis									

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

Numerous mortalities were reported!

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

Anaplasmosis outbreaks were reported in 7 provinces. Biting flies are probably the main spreader of this disease!

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

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

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

Insect transmittable diseases

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

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

As soon as insect populations increase with warmer weather conditions, **unvaccinated** animals with a lack of immunity to insect transmittable diseases, will be the target of these diseases.

Have you vaccinated your animals vaccinated against Rift Valley Fever?

Out of experience I can tell you that when outbreaks of diseases occur, vaccines will be difficult to acquire as many people will be ordering vaccines all at once.

Venerial diseases

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

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

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

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

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

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

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

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

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

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

Bacterial diseases

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

Uterine gangrene					x				x
Bovine dermatophilosis (Senkobo disease)									
Wooden tongue								x	
Lumpy jaw									

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

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

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

Viral diseases

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

[illegible]

Maedi visna virus									
Rotavirus / Coronavirus									
Enzootic bovine leucosis (EBL)					x			x	
Sheep leucosis									
Jaagsiekte							x		
Orf	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 to prevent snotsiekte outbreaks! There is also a sheep associated form of the disease.

Discuss vaccination programmes and biosecurity measures with your veterinarian.

Fungal diseases

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

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

Protozoal diseases

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

Toxicities

The following toxicities were reported by practices in the provinces:

Eucalyptus (bloekom) bark									
Kikuyu									
Ryegrass									
Ganskweek									
Paspalum staggers									
<i>Phalaris aquaticum</i> (Phalaris staggers)									
Photosensitivity (Turknael, <i>Erodium moschatum</i>)								x	
Photosensitivity (Stellenbosch)								x	
Lusern									
Mycotoxicosis								x	
Aflatoxin									
Diplodiosis					x				
Lupins									
Harpuisbos									
Syringa berries									
Acorn									
Cycad									
Kraalbos, Geelbos (<i>Galenia africana</i>)									
Radish									
Carrot poisoning									
Onion poisoning									
Bracken fern									
Pollen beetle (<i>Astylus atromaculatus</i>)									
Water contamination			x	x					

Tilmicosin									
Bromoxynil nitrate									
Ionophor									
Monensin									
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! **Seven provinces reported tulip toxicity!**

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

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

www.landbou.com

Vra vir Faffa

Klik op Indeks van antwoorde

Klik op Beeste of Skape

Klik op Vergiftigings

Klik op die Opskrifte

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

A few cases of Lantana-poisoning were reported.

Research are being done to control Lantana:

We would like to investigate involvement of your readers and yourself in the development of a National Programme for Management of Lantana similar to the attached National Programme for Management

of Parthenium. Our focus would be on the biological control of the species, however, farmers, landowners and communities would be interested in an integrated approach to the management of the species. Please do bear in mind that the rust-fungus will unfortunately not be a 'silver-bullet' as it is likely to impact some subspecies more than others and work better in some micro-climates than others..

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

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

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

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

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

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

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

Nutritional deficiencies

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

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

Calcium	x			x	x		x	x	
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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 and vitamin deficiencies

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

[illegible]

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]

Downer	x	x	x		x	x	x	x	x
Anaphylactic shock									
Vestibular syndrome (middle ear infection)									

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	
Displaced abomasum		x						x	
Ketosis (Domsiekte)					x	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	x
Endometritis					x	x	x	x	
Hydrops									
Metritis	x			x	x	x	x	x	

Poor conception	x				x			x	x
Retained afterbirth	x	x	x	x	x	x		x	
Sheath prolaps					x	x			
Uterine prolaps	x	x	x	x	x	x	x	x	x
Vaginal prolaps	x	x	x	x	x	x	x	x	
Penis injury									
Orchitis									

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

Environmental conditions

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

Other conditions

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

Trauma (fractures etc)		x	x		x	x		x	
Trauma (veldfires)	x				x				

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

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

PRECAUTIONARY MEASURES TO SUPPORT BIO-SECURITY.

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

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

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

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

Have there been any recent disease outbreaks in the location?

Do brand marks clearly confirm ownership?

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

Is a veterinarian supported control program against transmittable diseases followed?

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

Dates and tests for zoonotic diseases

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

2. PURCHASES FROM SALES OR SPECULATORS

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

Visually inspect the animals before purchasing for:

* brand marks

* parasite infestation

3. TRANSPORT TO THE FARM

Use only reputable transporters

Has the truck been cleaned and disinfected?

Truck to follow the shortest uninterrupted route

Truck to take the shortest route to the handling facilities

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

4. ARRIVAL ON THE FARM

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

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

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

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

Inspect regularly

5. FEED PURCHASES

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

Purchase feed from reputable dealers only

Avoid buying feed in second hand bags

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

6. VISITORS

Do not allow strangers or their vehicles amongst the livestock

Ensure fences are well maintained and preferably jackal and warthog proof

7. EMPLOYEES

Do not allow the employees to eat in feed stores

Supply employees with sufficient ablution facilities

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

Keep record of all employee livestock on the property

Treat employee livestock with separate but dedicated health programs

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

GENERAL AND REPRODUCTION MANAGEMENT

Record keeping: All animals are individually identified and recorded.

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

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

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

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

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

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

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

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

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

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

HERD HEALTH AND BIO-SECURITY

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

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

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

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

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

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

Stock remedies and medicines should be registered, correctly stored and used before the transpire date:

All medicines and stock remedies are registered, stored and applied according to prescription.

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

Practices that had nothing to report

Cape Town – Sophette Gers

Bathurst – Dr. Jane Pistorius

Cradock – Dr. Frans Erasmus

Mokopane – Dr. Alwyn Venter (SV)

Nigel – dr. Cindy vd Westhuizen

Plettenberg Bay – Dr. André Reitz

Stellenbosch – Dr. Annelie Cloete

Tulbagh – Dr. Dirk Trigaardt

Vaalwater – Dr. Annemieke Müller

Vanderbijlpark – Dr. Kobus Kok

Ostriches

Western Cape

Oudtshoorn

Avian influenza – 3 High prevalence of wild bird interactions following short good rains – pastures mostly. Spurwing geese, Egyptian geese and blue cranes. Not H5 or H7. Seems like a H6 and H9. Cold weather with stress increases susceptibility.

Red gut – 3 Changing weather results in over eating after bad spell causing clostridial overgrowth.

E. coli diarrhoea - Starts with overgrowth of normal bacteria following a trigger stress situation. If treated too late or with hard antibiotics rapidly develop chronic diarrhoea due to resistant *E. coli*. Prognosis poor.

Yolk sac infection - Start of the new season, acute mortalities (low incidence). Septicaemia/ toxaemia, *E. coli*

Selenium deficiency – 1

Lungs – 2 Cold stress weather/ wind, dust confinement to protect birds from poor weather results in air sacculitis and conjunctivitis (with low vit A and E during winter contributes)

Eyes – 2 Cold stress weather/ wind, dust confinement to protect birds from poor weather results in air sacculitis and conjunctivitis (with low vit A and E during winter contributes)

Cold exposure – 3

Equines

Mpumalanga

Middelburg

Tetanus - 2

Limpopo

Bela-Bela

Trauma- Horses fought

Game

Mpumalanga

Volksrust

Bovine malignant catharra fever – Buffalo

Gauteng

Pretoria

Brown ear-tick – 2

Bont-legged tick – 2

Sweating sickness – 1

Ophthalmia – 2

Abscess - 2

Limpopo

Bela-bela

Lameness – 1 Nyala, infection in the hoof. Sable infection of the hoof, recovered

Lameness – Sable got caught up in the fence and injured achilles tendon

Trauma – buffalo – fighting between two bulls, one bull had wound caused by horn
Balance problem – 1 King cheetah, anorexia, comatous, euthanazed
Trauma – 1 Buffalo cow, horn penetration by other buffalo
Ringworm – 3 Buffaloes
Bont legged-ticks - 3

North West

Klerksdorp

Red legged-ticks – 2 Zebra
Protein deficiency – game fed pellets

Swine

Eastern Cape

Humansdorp

Pneumonia - 1

Alpaca

Gauteng

Pretoria

Selenium deficiency - 1

Monthly report on Livestock and Wildlife isolations for September 2018 from Vetdiagnostix –Microbiology Laboratory, supplied by dr. Marijke Henton

(henton@vetdx.co.za)

September 2018

Very chronic mastitis problems in cows yielded opportunists resistant to antibiotics, which were *Pseudomonas aeruginosa*, MRSA *Staphylococcus aureus*, *E. coli* and the yeast, *Candida albicans*. *Trueperella pyogenes* was also isolated, which, although not resistant to antibiotics, is refractory to treatment. Lipophilic antibiotics, such as doxycycline and fluroquinolones penetrate granulomas formed by coryneform bacteria better than water soluble antibiotics, which could be considered in such cases. These results were a good demonstration of the fact that when antibiotics are regularly used, environmental opportunists take over the damaged tissues, and exacerbate the problem.

Blue udder in sheep yielded both *Mannheimia haemolytica* and *Staphylococcus aureus* on one farm. The OBP Blue Udder vaccine contains strains of both, and should therefore control it on the farm.

Enteritis in sheep was due to *E. coli* in two cases. One of the isolates was positive for the toxins STaP and STb [Heat Stable toxins a and b] which cause enteritis in animals from about 2 weeks to 2 months. An autogenous vaccine prepared from such an isolate should be effective in controlling the disease. *Cryptosporidium* was only detected in one case.

In calves, enteritis was due to *E. coli* in 9 cases, and *Cryptosporidium* in 2 cases. Three of the *E. coli* isolates were resistant to all the penicillins and cephalosporins, as well as most other antibiotics tested.

Enteritis in a goat herd was due to *Salmonella* Typhimurium, which is a rare finding. A foal yielded *Salmonella* Typhimurium from multiple joints.

Two cases of abortion in one herd yielded *Campylobacter fetus* from one and *Trueperella pyogenes* from a second foetus. *T. pyogenes* also caused arthritis in a bovine.

Feedlot respiratory tract samples yielded *Mannheimia haemolytica* [11], *Pasteurella multocida* [11], *Histophilus somni* [6], *Mycoplasma* [8], and *Mannheimia* species [4].

Pneumonia in pigs was caused by a variety of pathogens; *Actinobacillus pleuropneumoniae*, *Bordetella bronchiseptica*, *Streptococcus suis* and *S. canis*, also known as group G [one each].

E. coli in pigs was responsible for septicaemia [2], enteritis [1] and vaginitis [1]. Another case of vaginitis was caused by *Streptococcus dysgalactiae [equisimilis]*.

An infected rhino wound yielded an ESBL positive *E. coli*, which was resistant to most antibiotics that were tested, and two cheetahs, one with enteritis and one with meningitis also yielded ESBL *E. coli* isolates. [ESBL stands for extended spectrum beta lactamases]

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

Condition	Comments and Specie
Anaplasmosis	B 2
Red water – Red urine at abattoir	B 1
Besnoitiosis - Guiyani	B 1
Red gut	B 3
Blackquarter -backgrounding	B 2
Botulism -backgrounding	B 2
Lumpy skin disease seen at abattoir	B 2
Pneumonia	B 3
Vitamin B 1 deficiency	B 2

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

Specialist Veterinary Pathologist, Vetdiagnostix - Veterinary Pathology Services

LIVESTOCK DISEASE SURVEILANCE			
LIVESTOCK SPECIES	DISEASE AGENT	NO. CASES	LOCATION
Bovine, Adult cow	Lumpy skin disease	1	Dundee, KZN
Ovine, Lambs	Escherichia coli septicaemia	1	Beauford West, S.Cape
Bovine, Calves	Cryptosporidiosis with rumen indigestion	1	Bethlehem, Free State
Bovine, calf 3 weeks	Cryptosporidiosis with rumen indigestion	1	Underberg, KZN
Bovine, Beef Heifers	Oak poisoning	1	Kokstad, East Griqualand
Bovine, Calf 2 months	Cryptosporidiosis	1	Kokstad, East Griqualand
Bovine, Aborted Fetus	Campylobacter abortion	1	Polokwane, Limpopo

WILDLIFE DISEASE SURVEILANCE			
WILDLIFE SPECIES	DISEASE AGENT	NO. CASES	LOCATION
Meerkat, Adult Female	Protozoal myocarditis (Suspect sarcosporidiosis)	1	Grahamstown, Eastern Cape
Sable antelope, Adult + Sub	Toxic cardiomyopathy	1	Port Alfred, E. Cape
Nyala Antelope, Adult Bull	Osteochondroma (multiple cartilaginous exostoses)	1	Thabazimbi, Limpopo

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

Condition	Comments and Specie
Tapeworms	C 1
Blue ticks	E 2

Coccidiosis	C 1
Lumpy skin disease	B 1
Enzootic abortion	C 1
Brucellosis	B 3
Bacterial enteritis (diarrhoea)	O,C 2
Johne's disease	O 1
Mycoplasmosis	B 1
Bovine malignant catharr (snotsiekte)	B 1
Jaagsiekte	O 1
Orf	C 1
Equine sarcoid	E 1
Protein and Energy deficiency	B, G 1
Lungs	B 1
Abortion	B,O,C 2



Section of Pathology
Department of Paraclinical Sciences
Faculty of Veterinary Science

Monthly report: Faculty of Veterinary Science cases
Cases sent to referring veterinarians between 5th September and 2nd October 2018

Cases from State vet Skukuza or Orpen

Cases imported with master permit (none)

PMDate	Species	Final	Histo No
23-Aug-18	African Buffalo	Normal lung and lymph node (TB monitoring)	S907-18
23-Aug-18	African Elephant	Normal lymph nodes	S2909-18
23-Aug-18	African Buffalo	Suspected paucibacillary tuberculosis	S2906-18
10-Sep-18	Cheetah	Grade 3 gastritis	S03086-18

Kind regards,



Prof. Emily Mitchell

DISEASE DISTRIBUTION REPORT AS REPORTED BY VETERINARIANS

Table of Contents

<u>Internal Parasites</u>	Roundworms in general , Resistant Round Worms , Wireworm , Brown stomach-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 , Mosquitoes , Other , 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 , Blue tongue , Nagana
<u>Venereal Diseases</u>	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 , Johnes` disease , Leptospirosis , Pseudomonas , Septicaemia , E. coli , Enzootic Abortion , Dermatophilosis (Lumpy Wool) , Intrauterine Gangrene , Fusibacterium necrophorum , Other
<u>Protozoal diseases (other)</u>	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) , Jaagsiekte , Orf , Warts
<u>Poisonings (Plant) and Fungal</u>	Cardiac glycoside poisoning , Cestrum , Cynanchum poisoning , Facial eczema , Geeldikkop/Dikoor , Gifblaar , Lantana , Prussic acid poisoning , Seneciosis , Tulip Poisoning , Mycotoxocosis , Diplodiosis , Other
<u>Poisonings</u>	Urea Poisoning , Copper Poisoning , Other
<u>Macro Nutritional Problems</u>	Energy deficiency , Protein deficiency , Phosphate deficiency , Calcium deficiency
<u>Micro Nutritional Problems</u>	Copper deficiency , Zinc deficiency , Selenium deficiency , Vitamin A deficiency , Vitamin B deficiency
<u>Multi-factorial Disease Conditions</u>	Abortions , Stillbirths , Abscesses , Abscesses in general , Bladder stones , Blindness , Bloat , Blue udder , Diarrhoea , Epididymitis , Eye Cancer , Eye infections , Joint Ill , Lameness/Foot Problems , Lung infection , Mastitis in general , Navel Ill , Redgut (Sheep) , Trauma , Downer , Traumatic Reticulo-pericarditis , Other
<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>	Preditors , Sabotation - Theft , Trauma , Veld fires

Internal Parasites

Roundworms in general

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

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

Beef	1.0 (1)					2.0 (2)			
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Dairy								1.0 (1)
Sheep	1.0 (1)	1.5 (2)	1.0 (1)	1.0 (1)	2.3 (3)	2.0 (2)	2.0 (2)	2.3 (6)
Goat	1.0 (1)		1.0 (1)			1.7 (3)		1.0 (1)

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1, Sheep: 1, Goat: 1

Gauteng

Pretoria, Anima Veterinary Consulting Rooms

Sheep: 2

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Sheep: 1

Limpopo

Polokwane, Pietersburg Veterinary Clinic

Sheep: 1, Goat: 1

North West

Klerksdorp, Klerksdorp Dierehospitaal

Sheep: 1

Free State

Bloemfontein, Dr Stephan Wessels

Sheep: 3

Clocolan, Clocolan Dierekliniek

Sheep: 2

Hoopstad, Hoopstad Dierekliniek

Sheep: 2

Kwazulu-Natal

Bergville, Tugela Vet Clinic

Beef: 2, Sheep: 2, Goat: 2

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2, Goat: 2

Pietermaritzburg, Veterinary House Hospital

Sheep: 2, Goat: 1

Eastern Cape

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Sheep: 2

Queenstown, Queenstown Provincial Vet Lab

Sheep: 2

Western Cape

Caledon, Overberg Veterinary Hospital

Sheep: 2

Darling, Tygerberg Dierehospitaal Darling

Dairy: 1

Stephanofilaria 1

Sheep: 3

Roundworms in general; *Nematodirus* 3 (Long-necked bankruptworm)

Heidelberg (WC), Heidelberg Dierekliniek

Sheep: 3

Moorreesburg, Tygerberg mooreesburg

Sheep: 3

General 3; Long-necked bankruptworm 3

Oudtshoorn, Oudtshoorn Dierekliniek

Sheep: 1

Riversdale, Riversdal Dierekliniek

Sheep: 2, Goat: 1

Resistant Round Worms [^](#)

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

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

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

Balfour, Balfour Dierekliniek

Sheep: 1

Free State

Bloemfontein, Dr Stephan Wessels

Sheep: 3

Clocolan, Clocolan Dierekliniek

Sheep: 1

Hoopstad, Hoopstad Dierekliniek

Sheep: 2

Eastern Cape

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Sheep: 1

Western Cape

Swellendam, Swellendam Dierehospitaal

Sheep: 2

Wireworm [^](#)

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

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

Sheep		2.5 (2)	1.0 (1)		2.0 (2)	2.0 (1)	2.0 (1)	2.7 (3)	3.0 (1)
Goat		2.0 (2)	1.0 (1)			1.0 (1)		1.0 (1)	

Gauteng

Bapsfontein, Bapsfontein Dierehospitaal

Goat: 1

Bronkhorstspuit, Kerkstraat Dierekliniek

Sheep: 2

Magaliesburg, Magaliesburg; Dr Ryan Jeffrey

Sheep: 3, Goat: 3

Limpopo

Polokwane, Pietersburg Veterinary Clinic

Sheep: 1, Goat: 1

Free State

Clocolan, Clocolan Dierekliniek

Sheep: 2

Hoopstad, Hoopstad Dierekliniek

Sheep: 2

Kwazulu-Natal

Pietermaritzburg, Veterinary House Hospital

Sheep: 2, Goat: 1

Eastern Cape

Queenstown, Queenstown Provincial Vet Lab

Sheep: 2

Western Cape

George, George Animal Hospital

Sheep: 3

Malmesbury, Malmesbury Dierehospitaal

Sheep: 3

Riversdale, Riversdal Dierekliniek

Sheep: 2, Goat: 1

Northern Cape

Colesberg, Karoo Veterinary Hospital

Sheep: 3

Brown stomach-worm



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

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

Sheep

1.7 (3)

Western Cape

Riversdale, Riversdal Dierekliniek

Sheep: 2

Stellenbosch, Stellenbosch Animal Hospital

Sheep: 1

Swellendam, Swellendam Dierehospitaal

Sheep: 2

Tape Worms



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

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

Beef

2.0 (1)

2.0 (1)

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

Mpumalanga

Balfour, Balfour Dierekliniek

Sheep: 1

Nelspruit, Nelspruit Animal Hospital

Beef: 2

Gauteng

Bronkhorstspuit, Kerkstraat Dierekliniek

Goat: 2

Magaliesburg, Magaliesburg; Dr Ryan Jeffrey

Sheep: 2

Seriously affecting growth

Pretoria, Anima Veterinary Consulting Rooms

Sheep: 2

Free State

Bloemfontein, Dr Stephan Wessels

Sheep: 3

Kwazulu-Natal

Pietermaritzburg, Veterinary House Hospital

Beef: 2

Western Cape

Moorreesburg, Tygerberg Mooresburg

Sheep: 3

Oudtshoorn, Oudtshoorn Dierekliniek

Sheep: 1

Riversdale, Riversdal Dierekliniek

Sheep: 1

Northern Cape

Kimberley, Kimberley Dierekliniek

Sheep: 3

Taenia 3; Liver tape worm 3

Parafilaria

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

Beef						2.5 (2)			
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Kwazulu-Natal

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2

Pietermaritzburg, Veterinary House Hospital

Beef: 3

Feedlot - Long incubation - conditions previously favourable, lag time for response to ivermectin treatment.

Liver fluke

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

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

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 2

Standerton, Econovet

Beef: 2

Gauteng

Bronkhorstspuit, Kerkstraat Dierekliniek

Beef: 2

North West

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 2

Kwazulu-Natal

Pietermaritzburg, Veterinary House Hospital

Beef: 2

Bought in animals - no history of anthelmintic use.

Eastern Cape

Queenstown, Queenstown Provincial Vet Lab

Sheep: 1

Western Cape

Caledon, Overberg Veterinary Hospital

Beef: 1

Darling, Tygerberg Dierehospitaal Darling

Beef: 3

George, George Animal Hospital

Sheep: 3

Riversdale, Riversdal Dierekliniek

Dairy: 1

Conical Flukes



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

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

Beef	1.0 (1)				2.0 (1)				
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Mpumalanga

Balfour, Balfour Direkliniek

Beef: 1

Free State**Villiers, Wilgepoort Direkliniek Vennootskap**

Beef: 2

Cysticercosis

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)			2.0 (1)					
Dairy								1.0 (1)	

Mpumalanga**Nelspruit, Nelspruit Animal Hospital**

Beef: 3

North West**Vryburg, Vryburg Dierehospitaal**

Beef: 2

Western Cape**Stellenbosch, Stellenbosch Animal Hospital**

Dairy: 1

External Parasites**Blue ticks**

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.8 (4)	2.0 (1)	1.0 (3)	1.7 (3)	2.4 (5)	2.0 (7)	1.0 (1)	2.2 (6)	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	1.8 (4)	2.0 (1)	1.0 (1)	2.0 (2)	2.3 (4)	2.0 (7)	1.0 (1)	2.3 (3)	
Dairy								2.0 (2)	
Sheep			1.0 (1)	1.0 (1)	3.0 (1)			2.0 (1)	
Goat			1.0 (1)						3.0 (1)

Mpumalanga**Balfour, Balfour Direkliniek**

Beef: 2

Bethal, Bethal Direkliniek

Beef: 2

Middelburg, Middelburg Dierehospitaal

Beef: 1

Nelspruit, Nelspruit Animal Hospital

Beef: 2

Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 2

Limpopo

Polokwane, Pietersburg Veterinary Clinic

Beef: 1, Sheep: 1, Goat: 1

North West

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 1, Sheep: 1

Vryburg, Vryburg Dierehospitaal

Beef: 3

Free State

Bloemfontein, Dr Stephan Wessels

Beef: 2

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Ladybrand, Ladybrand Dierekliniek

Beef: 3

Memel, Memel Veterinary Clinic

Beef: 1

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 3

Bergville, Tugela Vet Clinic

Beef: 2

Kokstad, E.G.Veterinary Services

Beef: 2

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2

Pietermaritzburg, Veterinary House Hospital

Beef: 1

Underberg, Underberg Veterinary Surgery

Beef: 2

Vryheid, Vryheid Privaat Veeartse

Beef: 2

Eastern Cape

Middelburg (EC), Steynsburg Dierehospitaal

Beef: 1

Western Cape

George, George Animal Hospital

Beef: 3, Dairy: 3

Malmesbury, Dr Otto Kriek

Dairy: 1

Malmesbury, Groenkloof Dierekliniek

Beef: 2

Oudtshoorn, Oudtshoorn Dierekliniek

Beef: 2, Sheep: 2

Northern Cape

Kimberley, Kimberley Dierekliniek

Goat: 3

Small kids, heavily infested

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

Heartwater (Bont) ticks									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.3 (3)	1.8 (5)	1.0 (3)	1.0 (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	2.5 (2)	1.5 (2)	1.0 (1)	1.0 (1)		1.8 (5)			
Dairy		2.0 (1)					2.0 (1)		
Sheep		2.0 (1)	1.0 (1)		1.0 (1)				
Goat	2.0 (1)	2.0 (1)	1.0 (1)						
Mpumalanga									
Middelburg , Middelburg Dierehospitaal									
Beef: 2									
Nelspruit, Nelspruit Animal Hospital									
Beef: 3, Goat: 2									
Gauteng									
Hammanskraal, Themba Animal Clinic									
Beef: 2, Dairy: 2, Sheep: 2, Goat: 2									
Pretoria, Anima Veterinary Consulting Rooms									
Beef: 1									
Limpopo									
Polokwane, Pietersburg Veterinary Clinic									
Beef: 1, Sheep: 1, Goat: 1									
North West									
Klerksdorp, Klerksdorp Dierehospitaal									
Beef: 1									
Free State									
Wesselsbron, Wesselsbron Dierekliniek									
Sheep: 1									

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

Beef: 2

Mtubatuba, Mtubatuba Animal Clinic

Beef: 3

Pietermaritzburg, Veterinary House Hospital

Beef: 1

Pongola, Pongola Animal Clinic

Beef: 1

Vryheid, Vryheid Privaat Veeartse

Beef: 2

Eastern Cape**Alexandria, Alexandria Platteland Spreekkamer**

Dairy: 2

Brown ear-ticks

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

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

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

Beef: 1

Bont-legged ticks

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.7 (3)	2.0 (3)	3.0 (3)	2.5 (4)	2.6 (7)		3.0 (2)		2.5 (2)

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

Beef	1.7 (3)	2.0 (1)	3.0 (1)	2.7 (3)	2.5 (4)				2.0 (1)
Sheep		2.0 (1)	3.0 (1)	2.0 (1)	2.7 (3)		3.0 (1)		3.0 (1)
Goat		2.0 (1)	3.0 (1)				3.0 (1)		

Mpumalanga**Balfour, Balfour Dierekliniek**

Beef: 1

Bethal, Bethal Dierekliniek

Beef: 2

Middelburg, Middelburg Dierehospitaal

Beef: 2

Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 2, Sheep: 2, Goat: 2

Limpopo**Bela Bela, Artemis Veterinary Services**

Beef: 3, Sheep: 3, Goat: 3

North West**Christiana, Christiana Dierehospitaal**

Beef: 3

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 2, Sheep: 2

Vryburg, Vryburg Dierehospitaal

Beef: 3

Free State**Bloemfontein, Dr Stephan Wessels**

Beef: 2

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 2, Sheep: 2

Ladybrand, Ladybrand Dierekliniek

Beef: 3

Philippolis, Rowelsfontein veearts Spreekkamer

Sheep: 3

Eastern Cape**Middelburg (EC), Steynsburg Dierehospitaal**

Sheep: 3, Goat: 3

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

Sheep: 3

Postmasburg, Postmasburg Dierekliniek

Beef: 2

Red-legged ticks

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (3)	1.0 (1)		3.0 (1)	2.8 (6)	3.0 (1)	1.0 (1)		3.0 (1)

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

Beef	1.0 (1)	1.0 (1)		3.0 (1)	2.8 (4)	3.0 (1)	1.0 (1)		
Sheep	1.0 (1)				3.0 (2)				3.0 (1)
Goat	1.0 (1)								

Mpumalanga**Balfour, Balfour Dierekliniek**

Beef: 1, Sheep: 1, Goat: 1

Gauteng**Hammanskraal, Themba Animal Clinic**

Beef: 1

North West									
Christiana, Christiana Dierehospitaal									
Beef: 3									
Free State									
Hoopstad, Hoopstad Dierekliniek									
Beef: 3, Sheep: 3									
Kroonstad, Kroonstad Dierehospitaal									
Beef: 3, Sheep: 3									
Ladybrand, Ladybrand Dierekliniek									
Beef: 3									
Memel, Memel Veterinary Clinic									
Beef: 2									
Kwazulu-Natal									
Underberg, Underberg Veterinary Surgery									
Beef: 3									
Eastern Cape									
Middelburg (EC), Steynsburg Dierehospitaal									
Beef: 1									
Northern Cape									
De Aar, De Aar Veterinary Clinic									
Sheep: 3									
Paralysis ticks									^
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)		
Gauteng									
Hammanskraal, Themba Animal Clinic									
Beef: 1									
Eastern Cape									
Middelburg (EC), Steynsburg Dierehospitaal									
Sheep: 2									
Biting lice (red lice)									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average				2.5 (2)	2.4 (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				2.5 (2)	2.4 (5)	1.0 (1)			

Sheep						1.0 (1)			
Goat						2.0 (1)			
North West									
Leeudoringstad, Leeudoringstad Dierekliniek									
Beef: 3									
Vryburg, Vryburg Dierehospitaal									
Beef: 2									
Free State									
Bloemfontein, Dr Stephan Wessels									
Beef: 3									
Bultfontein, Greylingrust Dieresprekkamer									
Beef: 2									
Clocolan, Clocolan Dierekliniek									
Beef: 2									
Kroonstad, Kroonstad Dierehospitaal									
Beef: 2									
Viljoenskroon, Viljoenskroon Dierekliniek									
Beef: 3									
Kwazulu-Natal									
Bergville, Tugela Vet Clinic									
Beef: 1, Sheep: 1									
Eastern Cape									
Graaff-Reinet, Graaff Reinet Veterinary Clinic									
Goat: 2									
Sucking lice (blue lice)									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average				3.0 (1)	2.5 (4)				2.0 (1)
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef				3.0 (1)	2.5 (4)				
Goat									2.0 (1)
North West									
Leeudoringstad, Leeudoringstad Dierekliniek									
Beef: 3									
Free State									
Bloemfontein, Dr Stephan Wessels									
Beef: 3									
Clocolan, Clocolan Dierekliniek									
Beef: 2									
Hertzogville, Hertzogville Dierekliniek									
Beef: 2									
Memel, Memel Veterinary Clinic									
Beef: 3									
Northern Cape									
Postmasburg, Postmasburg Dierekliniek									

Goat: 2

Scab mites

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

Sheep					1.0 (1)		1.0 (2)		
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Free State

Clocolan, Clocolan Dierekliniek

Sheep: 1

Eastern Cape

Cofimvaba, State Vet Cofimvaba

Sheep: 1

Queenstown, Queenstown Provincial Vet Lab

Sheep: 1

Queenstown

Mange Mites

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
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Average		2.5 (2)		2.7 (3)	1.7 (3)		1.0 (1)		
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Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

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

Bronkhorstspuit, Kerkstraat Dierekliniek

Beef: 3

Hammanskraal, Themba Animal Clinic

Goat: 2

North West

Christiana, Christiana Dierehospitaal

Beef: 3

Sarcoptes mites

Leeudoringstad, Leeudoringstad Dierekliniek

Beef: 3

Vryburg, Vryburg Dierehospitaal

Beef: 2

Free State

Bultfontein, Greylingrust Dieresprekkamer

Beef: 2

Clocolan, Clocolan Direkliniek

Sheep: 1

Wesselsbron, Wesselsbron Direkliniek

Beef: 2

Eastern Cape

Alexandria, Alexandria Platteland Spreekkamer

Beef: 1

Nuisance Flies

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

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

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

Mpumalanga

Balfour, Balfour Direkliniek

Beef: 2, Sheep: 2, Goat: 2

Nelspruit, Nelspruit Animal Hospital

Beef: 2

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2, Goat: 2

Pietermaritzburg, Veterinary House Hospital

Beef: 2

Fly levels increasing early this season - particularly noted in feedlots.

Western Cape

Malmesbury, Dr Otto Kriek

Dairy: 3

Fly control should have been started some time back already.

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 2, Sheep: 2

Oudtshoorn, Oudtshoorn Direkliniek

Beef: 1, Sheep: 1

Blowflies

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
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Other									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average		2.0 (1)							
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef		2.0 (1)							
Gauteng									
Magaliesburg, Magaliesburg; Dr Ryan Jeffrey									
Beef: 2									
Gedoelestia									
Itch mite									^
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									
Riversdale, Riversdal Dierekliniek									
Sheep: 2									
Tick-borne Diseases									
African red water									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (3)		1.0 (1)		1.7 (3)	1.8 (5)	1.0 (1)	1.0 (1)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef	2.0 (3)		1.0 (1)		2.0 (2)	1.8 (5)	1.0 (1)	1.0 (1)	
Dairy					1.0 (1)				
Mpumalanga									
Grootvlei, Grootvlei Dierekliniek									
Beef: 1									
Middelburg , Middelburg Dierehospitaal									
Beef: 3									

Nelspruit, Nelspruit Animal Hospital

Beef: 2

Limpopo**Polokwane, Pietersburg Veterinary Clinic**

Beef: 1

Free State**Clocolan, Clocolan Dierekliniek**

Dairy: 1

Frankfort, Frankfort Dierekliniek

Beef: 3

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 1

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

Beef: 2

Kokstad, E.G.Veterinary Services

Beef: 2

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2

Pietermaritzburg, Veterinary House Hospital

Beef: 2

Cases have decreased/dropped-off toward the end of the winter. Expecting new cases to start soon.

Underberg, Underberg Veterinary Surgery

Beef: 1

Eastern Cape**Humansdorp, Humansdorp Veterinary Clinic**

Beef: 1

Western Cape**Oudtshoorn, Oudtshoorn Dierekliniek**

Beef: 1

Asiatic red water

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	3.0 (1)	1.0 (1)	1.0 (1)		2.0 (2)	1.5 (6)	1.0 (1)	1.7 (3)	

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

Beef	3.0 (1)	1.0 (1)	1.0 (1)		2.0 (2)	1.5 (6)	1.0 (1)	1.5 (2)	
Dairy								2.0 (1)	

Mpumalanga**Middelburg , Middelburg Dierehospitaal**

Beef: 3

Gauteng**Hammanskraal, Themba Animal Clinic**

Beef: 1

Limpopo**Polokwane, Pietersburg Veterinary Clinic**

Beef: 1

Free State**Frankfort, Frankfort Direkliniek**

Beef: 3

Villiers, Wilgepoort Direkliniek Vennootskap

Beef: 1

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

Beef: 2

Bergville, Tugela Vet Clinic

Beef: 2

Camperdown, Camperdown Vet Clinic

Beef: 1

Dundee, Endumeni Herd health

Beef: 1

Kokstad, E.G.Veterinary Services

Beef: 2

Mtubatuba, Mtubatuba Animal Clinic

Beef: 1

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

Beef: 1

Western Cape**Oudtshoorn, Ostrimed**

Beef: 1

Oudtshoorn, Oudtshoorn Direkliniek

Beef: 2

Riversdale, Riversdal Direkliniek

Dairy: 2

Anaplasmosis

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.5 (2)	1.0 (1)		2.3 (3)	2.3 (8)	1.7 (3)	1.3 (4)	1.8 (9)	

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

Beef	1.5 (2)	1.0 (1)		2.3 (3)	2.2 (6)	1.7 (3)	1.0 (3)	1.7 (3)	
Dairy					2.5 (2)		2.0 (1)	1.8 (6)	

Mpumalanga**Middelburg , Middelburg Direhospitaal**

Beef: 1

Standerton, Econovet

Beef: 2

Gauteng**Hammanskraal, Themba Animal Clinic**

Beef: 1

North West**Christiana, Christiana Direhospitaal**

Beef: 3

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 2

Vryburg, Vryburg Dierehospitaal

Beef: 2

Free State

Bloemfontein, Dr Stephan Wessels

Beef: 2

Clocolan, Clocolan Dierekliniek

Beef: 2

Frankfort, Frankfort Dierekliniek

Beef: 3

Hoopstad, Hoopstad Dierekliniek

Beef: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 2, Dairy: 3

Reitz, Riemland Dierehospitaal

Dairy: 2

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 1

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Bergville, Tugela Vet Clinic

Beef: 1

Underberg, Underberg Veterinary Surgery

Beef: 2

Eastern Cape

Alexandria, Alexandria Platteland Spreekkamer

Dairy: 2

Humansdorp, Humansdorp Veterinary Clinic

Beef: 1

Queenstown, Queenstown Veterinary clinic

Beef: 1

Uitenhage, Uitenhage Dierehospitaal

Beef: 1

Western Cape

Darling, Tygerberg Dierehospitaal Darling

Dairy: 3

Malmesbury, Dr Otto Kriek

Dairy: 1

Malmesbury, Invitrotech

Dairy: 2

Three cases

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 2

Oudtshoorn, Oudtshoorn Dierekliniek

Beef: 1

Riversdale, Riversdal Dierekliniek

Beef: 2, Dairy: 2

Stellenbosch, Stellenbosch Animal Hospital

Dairy: 1

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (5)	2.7 (3)	1.3 (4)			1.4 (8)	1.3 (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 (2)	3.0 (1)	1.0 (1)			1.7 (3)	1.5 (2)		
Dairy						1.0 (1)	1.0 (1)		
Sheep	2.0 (1)	2.0 (1)	1.0 (1)			1.0 (2)	1.3 (3)		
Goat	2.0 (2)	3.0 (1)	1.5 (2)			1.5 (2)			

Mpumalanga

Middelburg , Middelburg Dierehospitaal

Beef: 2, Sheep: 2, Goat: 2

Nelspruit, Nelspruit Animal Hospital

Beef: 2, Goat: 2

Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 3, Sheep: 2, Goat: 3

Limpopo

Mokopane, Dr Henk Visser

Goat: 2

Polokwane, Pietersburg Veterinary Clinic

Beef: 1, Sheep: 1, Goat: 1

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Camperdown, Camperdown Vet Clinic

Dairy: 1, Sheep: 1

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2, Goat: 2

Pongola, Pongola Animal Clinic

Beef: 1, Sheep: 1, Goat: 1

Eastern Cape

Alexandria, Alexandria Platteland Spreekkamer

Dairy: 1

Cofimvaba, State Vet Cofimvaba

Sheep: 2

Humansdorp, Humansdorp Veterinary Clinic

Beef: 2

Queenstown, Queenstown Provincial Vet Lab

Sheep: 1

Uitenhage, Uitenhage Dierehospitaal

Beef: 1, Sheep: 1

Sweating Sickness



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

Beef	2.0 (1)	1.0 (1)
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North West

Christiana, Christiana Dierehospitaal

Beef: 2

Free State

Bloemfontein, Dr Stephan Wessels

Beef: 1

Insect Transmittable Diseases

Lumpy skin disease



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

Bergville, Tugela Vet Clinic

Beef: 2

Pietermaritzburg, Veterinary House Hospital

Beef: 1

Rural cattle farmer - sporadic cases. Cases in commercial herds have ceased.

Pongola, Pongola Animal Clinic

Beef: 1

Vryheid, Vryheid Privaat Veeartse

Beef: 2

Three-day-stiffsickness



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

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

Beef	1.0 (1)
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North West

Leeudoringstad, Leeudoringstad Dierekliniek

Beef: 1

Blue tongue

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 (1)	

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

Sheep	2.0 (1)	2.0 (1)	2.0 (1)
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Mpumalanga

Nelspruit, Nelspruit Animal Hospital

Sheep: 2

North West

Leeudoringstad, Leeudoringstad Dierekliniek

Sheep: 2

Western Cape

Riversdale, Riversdal Dierekliniek

Sheep: 2

Nagana

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

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

Beef	2.0 (1)
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Kwazulu-Natal

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2

Venereal Diseases

Trichomonosis

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.4 (5)	2.0 (1)	1.5 (2)	3.0 (2)	2.3 (11)	2.0 (1)	1.5 (2)	1.0 (1)	

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

Beef	2.4 (5)		1.5 (2)	3.0 (2)	2.3 (11)	2.0 (1)	1.5 (2)	1.0 (1)	
Dairy		2.0 (1)							

Mpumalanga

Bethal, Bethal Dierekliniek

Beef: 2

Ermelo, Môregloed Veterinêre Spreekkamer

Beef: 3

Widespread

Grootvlei, Grootvlei Dierekliniek

Beef: 2

Piet Retief, Pets Vet Hospital

Beef: 2

Standerton, Econovet

Beef: 3

Gauteng**Bapsfontein, Bapsfontein Dierehospitaal**

Dairy: 2

Limpopo**Mokopane, Dr Henk Visser**

Beef: 2

Polokwane, Pietersburg Veterinary Clinic

Beef: 1

North West**Klerksdorp, Klerksdorp Dierehospitaal**

Beef: 3

Vryburg, Vryburg Dierehospitaal

Beef: 3

Free State**Bloemfontein, Dr Stephan Wessels**

Beef: 3

4 bulls positive in Brandfort area

Dewetsdorp, Platkop Dierekliniek

Beef: 1

Frankfort, Frankfort Dierekliniek

Beef: 3

Hertzogville, Hertzogville Dierekliniek

Beef: 2

Hoopstad, Hoopstad Dierekliniek

Beef: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 2

Ladybrand, Ladybrand Dierekliniek

Beef: 2

Memel, Memel Veterinary Clinic

Beef: 2

Parys, Parys Dierehospitaal

Beef: 2

Reitz, Riemland Dierehospitaal

Beef: 2

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 3

Kwazulu-Natal**Kokstad, E.G.Veterinary Services**

Beef: 2

Eastern Cape**Aliwal North, Hertzogbrug Dierekliniek**

Beef: 2

Queenstown, Queenstown Veterinary clinic

Beef: 1

Western Cape

Stellenbosch, Stellenbosch Animal Hospital

Beef: 1

Vibriosis



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

Limpopo

Polokwane, Pietersburg Veterinary Clinic

Beef: 1

North West

Vryburg, Vryburg Dierehospitaal

Beef: 2

Free State

Bloemfontein, Dr Stephan Wessels

Beef: 1

Clocolan, Clocolan Dierekliniek

Beef: 2

Dewetsdorp, Platkop Dierekliniek

Beef: 3

Hertzogville, Hertzogville Dierekliniek

Beef: 2

Hoopstad, Hoopstad Dierekliniek

Beef: 1

Ladybrand, Ladybrand Dierekliniek

Beef: 1

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 2

Kwazulu-Natal

Estcourt, Estcourt Vet Clinic

Dairy: 1

Western Cape

Malmesbury, Malmesbury Dierehospitaal

Beef: 2

Stellenbosch, Stellenbosch Animal Hospital

Beef: 1

Pizzle disease



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

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

Pretoria, Anima Veterinary Consulting Rooms

Sheep: 1

Kwazulu-Natal

Camperdown, Camperdown Vet Clinic

Goat: 1

Eastern Cape

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Sheep: 1

Western Cape

Malmesbury, Malmesbury Dierehospitaal

Sheep: 2

Northern Cape

Calvinia, Calvinia Veeartskliniek

Sheep: 2

De Aar, De Aar Veterinary Clinic

Sheep: 2

Bacterial Disease (other)

Blackquarter

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.7 (3)		3.0 (1)	2.0 (1)	2.3 (3)	1.8 (4)	1.0 (2)	2.0 (2)	1.0 (1)

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

Beef	1.7 (3)		3.0 (1)		2.5 (2)	1.8 (4)			1.0 (1)
Dairy				2.0 (1)				2.0 (1)	
Sheep					2.0 (1)		1.0 (2)	2.0 (1)	

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 2

Grootvlei, Grootvlei Dierekliniek

Beef: 1

Middelburg, Middelburg Dierehospitaal

Beef: 2

Limpopo

Mokopane, Dr Henk Visser

Beef: 3

North West									
Brits, Brits Dierekliniek									
Dairy: 2									
Free State									
Hoopstad, Hoopstad Dierekliniek									
Beef: 3									
Memel, Memel Veterinary Clinic									
Beef: 2, Sheep: 2									
Kwazulu-Natal									
Bergville, Tugela Vet Clinic									
Beef: 2									
Dundee, Endumeni Herd health									
Beef: 2									
Pietermaritzburg, Veterinary House Hospital									
Beef: 1									
Vryheid, Vryheid Privaat Veeartse									
Beef: 2									
Eastern Cape									
Cofimvaba, State Vet Cofimvaba									
Sheep: 1									
Queenstown, Queenstown Provincial Vet Lab									
Sheep: 1									
Western Cape									
Malmesbury, Malmesbury Dierehospitaal									
Dairy: 2, Sheep: 2									
Northern Cape									
Colesberg, Karoo Veterinary Hospital									
Beef: 1									
Botulism									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average				2.0 (1)					2.0 (1)
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef									2.0 (1)
Sheep				2.0 (1)					
North West									
Vryburg, Vryburg Dierehospitaal									
Sheep: 2									
Northern Cape									
Upington, Upington Veeartsenykliniek									
Beef: 2									
Pulpy Kidney									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape

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

Mpumalanga

Balfour, Balfour Dierkliniek

Gauteng

Bronkhorstspruit, Kerkstraat Dierkliniek

Hammanskraal, Themba Animal Clinic

Free State

Bloemfontein, Dr Stephan Wessels

Clocolan, Clocolan Dierekliniek

Hertzogville, Hertzogville Dierekliniek

Hoopstad, Hoopstad Dierkliniek

Kroonstad, Kroonstad Dierehospitaal

Reitz, Riemland Dierhospitaal

Viljoenskroon, Viljoenskroon Dierekliniek

Villiers, Wilgepoort Dierekliniek Vennootskap

Kwazulu-Natal

Sheep: 1

Sheep: 2

Middelburg (EC), Steynsburg Dierhospitaal

Queenstown, Queenstown Provincial Vet Lab

Stutterheim, Stutterheim Veterinary Clinic

Two outbreaks

Caledon, Overberg Veterinary Hospital

Riversdale, Riversdal Dierekliniek

Vredenburg, Vredenburg Dierhospitaal

Sheep: 3

Young sheep which had been vaccinated once with a multiclostridial vaccine did when grazing on medics. Ewes which received a booster had no deaths.

Northern Cape

Calvinia, Calvinia Veeartskliniek

Sheep: 1

Colesberg, Karoo Veterinary Hospital

Sheep: 3

Lamb dysentery

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

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

Sheep							1.5 (2)		
Goat									2.0 (1)

Eastern Cape

Middelburg (EC), Steynsburg Dierehospitaal

Sheep: 2

Queenstown, Queenstown Provincial Vet Lab

Sheep: 1

Northern Cape

Postmasburg, Postmasburg Dierekliniek

Goat: 2

Swelled head disease

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

Free State

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 2

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 1

Vryheid, Vryheid Privaat Veeartse

Beef: 1

Western Cape

Beaufort West, Beaufort West State Vet

Sheep: 2

Darling, Tygerberg Dierehospitaal Darling

Sheep: 3

Moorreesburg, Tygerberg Mooresburg

Sheep: 3

Riversdale, Riversdal Dierekliniek

Sheep: 1

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 (2)				

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

Beef	1.0 (1)	1.0 (1)			1.0 (2)				
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Mpumalanga**Volkswest, Cape Cross Volkswest Dierehospitaal**

Beef: 1

Gauteng**Hammanskraal, Themba Animal Clinic**

Beef: 1

Free State**Memel, Memel Veterinary Clinic**

Beef: 1

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 1

Blood gut (Sheep)

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

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

Sheep	2.0 (1)			1.0 (1)	1.5 (2)	1.0 (1)	1.0 (1)	3.0 (1)	
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Mpumalanga**Volkswest, Cape Cross Volkswest Dierehospitaal**

Sheep: 2

North West**Klerksdorp, Klerksdorp Dierehospitaal**

Sheep: 1

Free State**Clocolan, Clocolan Dierekliniek**

Sheep: 2

Memel, Memel Veterinary Clinic

Sheep: 1

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

Sheep: 1

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

Sheep: 1

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

Sheep: 3

Tetanus

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

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

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

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

Beef: 1

Suspected

Free State**Reitz, Riemland Dierhospitaal**

Sheep: 1

Western Cape**Caledon, Caledon Dierekliniek**

Sheep: 1

Malmesbury, Dr Otto Kriek

Dairy: 2

Sad to say that castration of fairly large dairy calves using an elastrator is totally unacceptable. Vaccination against clostridial diseases amongst others is overlooked by some people!! The complaint is that the number of vaccinations prescribed by us is quite difficult to perform.

Northern Cape**Kathu, Kathu Dierekliniek**

Beef: 1

Salmonellosis

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

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

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

North West

Brits, Brits Dierekliniek

Dairy: 2

Leeudoringstad, Leeudoringstad Dierekliniek

Beef: 1

Bull, fibrinous, haemorrhagic diarrhoea

Kwazulu-Natal

Bergville, Tugela Vet Clinic

Beef: 2, Goat: 2

Brucella abortus



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

Gauteng

Bapsfontein, Bapsfontein Dierehospitaal

Dairy: 2

Bronkhorstspuit, Kerkstraat Dierekliniek

Beef: 3

North West

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 1

Lichtenburg, Dr CM Kruger-Rall

Beef: 3

Vryburg, Vryburg Dierehospitaal

Beef: 3

Free State

Bloemfontein, Dr Stephan Wessels

Beef: 3

Beef cattle in the Soutpan area, 50% of the herd positive

Clocolan, Clocolan Dierekliniek

Beef: 2

Hertzogville, Hertzogville Dierekliniek

Beef: 2

Hoopstad, Hoopstad Dierekliniek

Beef: 3

Ladybrand, Ladybrand Direkliniek

Beef: 3

Parys, Parys Dierehospitaal

Dairy: 1

Dairy herd in culling phase. Under State veterinary control. Positive cow bought into the herd.

Reitz, Riemland Dierehospitaal

Beef: 2

Smithfield, Freestate Smithfield SV

Beef: 1

One new outbreak, Zastron

Villiers, Wilgepoort Direkliniek Vennootskap

Beef: 3

Wesselsbron, Wesselsbron Direkliniek

Beef: 1

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

Beef: 3

70 positive cases in one herd

Eastern Cape**Aliwal North, Hertzogbrug Direkliniek**

Beef: 1

Northern Cape**Kimberley, Kimberley Direkliniek**

Beef: 2

Brucella ovis

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

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

Sheep					2.5 (2)	2.0 (1)		1.3 (3)	2.0 (2)
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Free State**Smithfield, Freestate Smithfield SV**

Sheep: 2

Springfontein 3 cases

Villiers, Wilgepoort Direkliniek Vennootskap

Sheep: 3

Kwazulu-Natal**Kokstad, E.G.Veterinary Services**

Sheep: 2

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

Sheep: 1

Malmesbury, Malmesbury Dierehospitaal

Sheep: 2

Riversdale, Riversdal Direkliniek

Sheep: 1

Northern Cape

Calvinia, Calvinia Veeartskliniek

Sheep: 2

Upington, Upington Veeartsenykliniek

Sheep: 2

Biosecurity inadequate, no vaccination

Johne`s disease

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

1.0 (1)

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 (2)

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

Sheep: 1

Western Cape**Caledon, Caledon Dierekliniek**

Sheep: 2

Malmesbury, Malmesbury Dierehospitaal

Sheep: 2

Leptospirosis

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

1.0 (1)

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

Dairy

1.0 (1)

Western Cape**Stellenbosch, Stellenbosch Animal Hospital**

Dairy: 1

Brucella abortus PCR positive**Pseudomonas**

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

2.0 (1)

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

Dairy

2.0 (1)

Western Cape**Malmesbury, Malmesbury Dierehospitaal**

Dairy: 2

Septicaemia									^
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 (5)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef	2.0 (1)					1.0 (1)		2.0 (1)	
Dairy								2.0 (2)	
Sheep		2.0 (1)						2.0 (2)	

Mpumalanga

Piet Retief, Pets Vet Hospital

Beef: 2

Gauteng

Bronkhorstspuit, Kerkstraat Dierekliniek

Sheep: 2

Kwazulu-Natal

Pietermaritzburg, Veterinary House Hospital

Beef: 1

Calf 2 weeks old

Western Cape

Caledon, Overberg Veterinary Hospital

Sheep: 2

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 2, Sheep: 2

Stellenbosch, Stellenbosch Animal Hospital

Dairy: 2

Two cows with perforated ulcers in abomasum.

E.coli									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.8 (4)	2.0 (1)		3.0 (4)	2.5 (8)	2.0 (2)	2.0 (2)	1.0 (1)	1.0 (1)
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef	1.7 (3)	2.0 (1)		3.0 (2)	2.7 (3)	2.0 (2)			
Dairy					2.0 (1)				
Sheep	2.0 (1)			3.0 (2)	2.5 (4)		2.0 (1)	1.0 (1)	
Goat							2.0 (1)		1.0 (1)

Mpumalanga
Balfour, Balfour Dierekliniek
Beef: 2
Piet Retief, Pets Vet Hospital
Beef: 1
Standerton, Econovet
Beef: 2, Sheep: 2
Gauteng
Magaliesburg, Magaliesburg; Dr Ryan Jeffrey
Beef: 2
<i>E. coli</i> abortions in cattle
North West
Klerksdorp, Klerksdorp Dierehospitaal
Beef: 3, Sheep: 3
Ventersdorp, Ventersdorp Dierekliniek
Beef: 3, Sheep: 3
Free State
Bloemfontein, Dr Stephan Wessels
Sheep: 3
Bultfontein, Greylingrust Dieresprekkamer
Sheep: 2
Clocolan, Clocolan Dierekliniek
Beef: 2, Dairy: 2, Sheep: 2
Hoopstad, Hoopstad Dierekliniek
Beef: 3, Sheep: 3
Viljoenskroon, Viljoenskroon Dierekliniek
Beef: 3
Kwazulu-Natal
Underberg, Underberg Veterinary Surgery
Beef: 2
Vryheid, Vryheid Privaat Veeartse
Beef: 2
Eastern Cape
Graaff-Reinet, Graaff Reinet Veterinary Clinic
Sheep: 2, Goat: 2
Western Cape
Beaufort West, Beaufort West State Vet
Sheep: 1
Vaccine been prepared
Northern Cape
Postmasburg, Postmasburg Dierekliniek
Goat: 1

Enzootic Abortion									^
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 (2)		2.0 (1)	1.7 (3)	1.5 (2)
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef	2.0 (1)								

Sheep			2.0 (1)		2.0 (1)	1.7 (3)	2.0 (1)
Goat		2.0 (1)	2.0 (1)				1.0 (1)

Mpumalanga

Piet Retief, Pets Vet Hospital

Beef: 2

Gauteng

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Goat: 2

Chlamydia keratitis

Free State

Kroonstad, Kroonstad Dierehospitaal

Sheep: 2

Reitz, Riemland Dierehospitaal

Goat: 2

Eastern Cape

Queenstown, Queenstown Provincial Vet Lab

Sheep: 2

Western Cape

Caledon, Caledon Dierekliniek

Sheep: 2

Riversdale, Riversdal Dierekliniek

Sheep: 2

Stellenbosch, Stellenbosch Animal Hospital

Sheep: 1

Northern Cape

Postmasburg, Postmasburg Dierekliniek

Sheep: 2, Goat: 1

Dermatophilosis (Lumpy Wool)

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

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

Sheep	2.0 (1)
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Eastern Cape

Middelburg (EC), Steynsburg Dierehospitaal

Sheep: 2

Intrauterine Gangrene

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

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

Sheep		2.0 (1)	
Goat			2.0 (1)

Free State

Bultfontein, Greylingrust Dieresprekkamer

Sheep: 2

Northern Cape

Postmasburg, Postmasburg Dierekliniek

Goat: 2

Fusibacterium necrophorum

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

Dairy								3.0 (1)	
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Western Cape

Malmesbury, Malmesbury Dierehospitaal

Dairy: 3

Other

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

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

Gauteng

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 2

Immune compromised calves; Interdigital dermatitis 1

Eastern Cape

Graaff-Reinet, Camdeboo Veterinary Clinic

Goat: 2

Brucella melitensis (Boergoats) in Jansenville district abortions.

Western Cape

Ceres, Ceres Veterinary Hospital

Beef: 1

Lumpy jaw

Protozoal diseases (other)

Postmasburg, Postmasburg Dierekliniek

Goat: 1

Cryptosporidium

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

North West**Vryburg, Vryburg Dierehospitaal**

Goat: 3

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

Beef: 2

Western Cape**Darling, Tygerberg Dierehospitaal Darling**

Dairy: 3

Fungal diseases**Ringworm**

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.5 (4)	2.0 (1)	1.0 (2)	2.0 (2)	2.4 (5)	2.0 (4)	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	1.5 (4)	2.0 (1)	1.0 (1)	2.0 (2)	2.4 (5)	2.0 (4)	1.0 (1)	1.8 (4)	
Dairy								2.0 (3)	
Goat			1.0 (1)						

Mpumalanga**Balfour, Balfour Dierekliniek**

Beef: 1

Middelburg, Middelburg Dierehospitaal

Beef: 1

Nelspruit, Nelspruit Animal Hospital

Beef: 2

Standerton, Econovet

Beef: 2

Gauteng

Pretoria, Anima Veterinary Consulting Rooms

Beef: 2

Limpopo**Polokwane, Pietersburg Veterinary Clinic**

Beef: 1, Goat: 1

North West**Christiana, Christiana Dierehospitaal**

Beef: 2

Vryburg, Vryburg Dierehospitaal

Beef: 2

Free State**Bloemfontein, Dr Stephan Wessels**

Beef: 3

Bultfontein, Greylingrust Dieresprekkamer

Beef: 2

Ficksburg, Oosvrystaat Diere Produkte

Beef: 3

General occurrence in young animals after weaning

Viljoenskroon, Viljoenskroon Direkliniek

Beef: 3

Wesselsbron, Wesselsbron Direkliniek

Beef: 1

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

Beef: 1

Pietermaritzburg, Veterinary House Hospital

Beef: 2

Immuno-suppressed cattle - Mineral deficiency diagnosed on this farm (Particularly Selenium)

Underberg, Underberg Veterinary Surgery

Beef: 2

Vryheid, Vryheid Privaat Veeartse

Beef: 3

Eastern Cape**Queenstown, Queenstown Veterinary clinic**

Beef: 1

Western Cape**Malmesbury, Malmesbury Dierehospitaal**

Beef: 2, Dairy: 2

Oudtshoorn, Oudtshoorn Direkliniek

Beef: 2

Riversdale, Riversdal Direkliniek

Beef: 2, Dairy: 2

Stellenbosch, Stellenbosch Animal Hospital

Beef: 1

Swellendam, Swellendam Dierehospitaal

Dairy: 2

Viral Diseases (other)**BMC**

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

Beef		2.0 (2)	1.3 (3)	1.0 (2)		1.0 (1)
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Limpopo

Mokopane, Dr Henk Visser

Beef: 2

Vaalwater, Vaalwater Dieresprekkamer

Beef: 2

North West

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 1

Leeudoringstad, Leeudoringstad Dierekliniek

Beef: 1

Cow

Vryburg, Vryburg Dierehospitaal

Beef: 2

Free State

Bloemfontein, Dr Stephan Wessels

Beef: 1

Kroonstad, Kroonstad Dierehospitaal

Beef: 1

Eastern Cape

Queenstown, Queenstown Veterinary clinic

Beef: 1

Rabies

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

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

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

Free State

Smithfield, Freestate Smithfield SV

Beef: 1

One cow, Naledi

Eastern Cape

Cofimvaba, State Vet Cofimvaba

Sheep: 2

Queenstown, Queenstown Provincial Vet Lab

Beef: 1

Mthatha

BVD (Bovine viral diarrhoea)									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average		1.0 (1)		2.0 (1)			1.0 (1)		
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef		1.0 (1)		2.0 (1)			1.0 (1)		
Gauteng									
Hammanskraal, Themba Animal Clinic									
Beef: 1									
North West									
Vryburg, Vryburg Dierehospitaal									
Beef: 2									
Eastern Cape									
Queenstown, Queenstown Veterinary clinic									
Beef: 1									
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)		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)		1.0 (1)	1.0 (1)		
Mpumalanga									
Balfour, Balfour Dierekliniek									
Beef: 1									
North West									
Leeudoringstad, Leeudoringstad Dierekliniek									
Beef: 1									
Bull									
Kwazulu-Natal									
Bergville, Tugela Vet Clinic									
Beef: 1									
Eastern Cape									
Queenstown, Queenstown Veterinary clinic									
Beef: 1									
Enzootic Bovine Leucosis (EBL)									^
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						1.0 (1)				
Dairy						3.0 (1)				2.0 (1)
Free State										
Bloemfontein, Dr Stephan Wessels										
Beef: 1										
Kroonstad, Kroonstad Dierehospitaal										
Dairy: 3										
Western Cape										
Malmesbury, Malmesbury Dierehospitaal										
Dairy: 2										
Jaagsiekte									^	
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape	
Average							1.0 (1)			
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported										
Sheep							1.0 (1)			
Eastern Cape										
Aliwal North, Hertzogbrug Dierekliniek										
Sheep: 1										
Orf									^	
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape	
Average	1.0 (1)	2.0 (1)		2.0 (2)	2.3 (3)	3.0 (1)	1.0 (1)	1.5 (4)	2.0 (4)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported										
Sheep	1.0 (1)	2.0 (1)		2.0 (1)	2.3 (3)			1.7 (3)	2.5 (2)	
Goat				2.0 (1)		3.0 (1)	1.0 (1)	1.0 (1)	1.5 (2)	
Mpumalanga										
Standerton, Econovet										
Sheep: 1										
Gauteng										
Pretoria, Anima Veterinary Consulting Rooms										

Beef: 1

Beef: 1

Gauteng

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Sheep: 1

North West

Christiana, Christiana Dierhospitaal

Beef: 2

Free State

Bultfontein, Greylingrust Dieresprekkamer

Beef: 1

Hertzogville, Hertzogville Dierekliniek

Beef: 2

Hoopstad, Hoopstad Dierekliniek

Beef: 1

Kroonstad, Kroonstad Dierhospitaal

Beef: 2

Kwazulu-Natal

Pietermaritzburg, Veterinary House Hospital

Beef: 2

Rural/informal cattle farms predominantly

Underberg, Underberg Veterinary Surgery

Beef: 3

Vryheid, Vryheid Privaat Veeartse

Beef: 2

Western Cape

George, George Animal Hospital

Beef: 1

Malmesbury, Malmesbury Dierhospitaal

Beef: 3, Dairy: 3

Riversdale, Riversdal Dierekliniek

Beef: 1

Stellenbosch, Stellenbosch Animal Hospital

Beef: 1

Northern Cape

Kimberley, Kimberley Diereklínik

Beef: 3

Postmasburg, Postmasburg Dierekliniek

Goat: 1

Reisnerings (Plant) and Fungal

Cardiac glycoside poisoning ^

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average					2.0 (1)		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	2.0 (1)
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Sheep					2.0 (1)		1.0 (1)	2.0 (1)	
Free State									
Wesselsbron, Wesselsbron Dierekliniek									
Sheep: 2									
Eastern Cape									
Queenstown, Queenstown Provincial Vet Lab									
Sheep: 1									
Elliot									
Western Cape									
Beaufort West, Beaufort West State Vet									
Beef: 2									
Drought									
Sheep: 2									
Drought									
Cestrum									^
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)		
Gauteng									
Bronkhorstspuit, Kerkstraat Dierekliniek									
Beef: 2									
Eastern Cape									
Uitenhage, Uitenhage Dierehospitaal									
Beef: 1									
Cynanchum poisoning									^
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									
Dairy							1.0 (1)	2.0 (1)	
Sheep								2.0 (1)	
Eastern Cape									
Alexandria, Alexandria Platteland Spreekkamer									
Dairy: 1									
Western Cape									
Riversdale, Riversdal Dierekliniek									
Dairy: 2, Sheep: 2									
Facial eczema									^

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

Dairy							2.0 (1)		
Sheep							2.0 (1)		

Eastern Cape

Somerset East, Bosberg Veterinary Clinic

Dairy: 2, Sheep: 2

Geeldikkop/Dikoor [^](#)

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

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

Sheep					1.0 (1)			2.0 (1)	
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Free State

Ladybrand, Ladybrand Dierekliniek

Sheep: 1

Western Cape

Malmesbury, Malmesbury Dierehospitaal

Sheep: 2

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)							
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Gauteng

Pretoria, Anima Veterinary Consulting Rooms

Beef: 2

Lantana [^](#)

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

Goat	1.0 (1)
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Nelspruit, Nelspruit Animal Hospital

Gauteng	
1	1
2	2
3	3
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100	100

Hammanskraal, Themba Animal Clinic

Kwazulu-Natal

Bergville, Tugela Vet Clinic

Dundee, Endumeni Herd health

Vryheid, Vryheid Privaat Veeartse

Region	Population (2010)	Population (2015)	Population (2020)	Population (2025)	Population (2030)	Population (2035)	Population (2040)	Population (2045)	Population (2050)	Population (2055)	Population (2060)	Population (2065)	Population (2070)	Population (2075)	Population (2080)	Population (2085)	Population (2090)	Population (2095)	Population (2100)
North America	360,000,000	370,000,000	380,000,000	390,000,000	400,000,000	410,000,000	420,000,000	430,000,000	440,000,000	450,000,000	460,000,000	470,000,000	480,000,000	490,000,000	500,000,000	510,000,000	520,000,000	530,000,000	540,000,000
Europe	730,000,000	740,000,000	750,000,000	760,000,000	770,000,000	780,000,000	790,000,000	800,000,000	810,000,000	820,000,000	830,000,000	840,000,000	850,000,000	860,000,000	870,000,000	880,000,000	890,000,000	900,000,000	910,000,000
Asia	4,500,000,000	4,600,000,000	4,700,000,000	4,800,000,000	4,900,000,000	5,000,000,000	5,100,000,000	5,200,000,000	5,300,000,000	5,400,000,000	5,500,000,000	5,600,000,000	5,700,000,000	5,800,000,000	5,900,000,000	6,000,000,000	6,100,000,000	6,200,000,000	6,300,000,000
Africa	1,200,000,000	1,300,000,000	1,400,000,000	1,500,000,000	1,600,000,000	1,700,000,000	1,800,000,000	1,900,000,000	2,000,000,000	2,100,000,000	2,200,000,000	2,300,000,000	2,400,000,000	2,500,000,000	2,600,000,000	2,700,000,000	2,800,000,000	2,900,000,000	3,000,000,000
Latin America	580,000,000	590,000,000	600,000,000	610,000,000	620,000,000	630,000,000	640,000,000	650,000,000	660,000,000	670,000,000	680,000,000	690,000,000	700,000,000	710,000,000	720,000,000	730,000,000	740,000,000	750,000,000	760,000,000
Oceania	40,000,000	41,000,000	42,000,000	43,000,000	44,000,000	45,000,000	46,000,000	47,000,000	48,000,000	49,000,000	50,000,000	51,000,000	52,000,000	53,000,000	54,000,000	55,000,000	56,000,000	57,000,000	58,000,000
World	7,000,000,000	7,200,000,000	7,400,000,000	7,600,000,000	7,800,000,000	8,000,000,000	8,200,000,000	8,400,000,000	8,600,000,000	8,800,000,000	9,000,000,000	9,200,000,000	9,400,000,000	9,600,000,000	9,800,000,000	10,000,000,000	10,200,000,000	10,400,000,000	10,600,000,000

Year	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100																																																																																																													
Population	7,811,000	7,860,000	7,909,000	7,958,000	8,007,000	8,056,000	8,105,000	8,154,000	8,203,000	8,252,000	8,301,000	8,350,000	8,399,000	8,448,000	8,497,000	8,546,000	8,595,000	8,644,000	8,693,000	8,742,000	8,791,000	8,840,000	8,889,000	8,938,000	8,987,000	9,036,000	9,085,000	9,134,000	9,183,000	9,232,000	9,281,000	9,330,000	9,379,000	9,428,000	9,477,000	9,526,000	9,575,000	9,624,000	9,673,000	9,722,000	9,771,000	9,820,000	9,869,000	9,918,000	9,967,000	10,016,000	10,065,000	10,114,000	10,163,000	10,212,000	10,261,000	10,310,000	10,359,000	10,408,000	10,457,000	10,506,000	10,555,000	10,604,000	10,653,000	10,702,000	10,751,000	10,800,000	10,849,000	10,898,000	10,947,000	10,996,000	11,045,000	11,094,000	11,143,000	11,192,000	11,241,000	11,290,000	11,339,000	11,388,000	11,437,000	11,486,000	11,535,000	11,584,000	11,633,000	11,682,000	11,731,000	11,780,000	11,829,000	11,878,000	11,927,000	11,976,000	12,025,000	12,074,000	12,123,000	12,172,000	12,221,000	12,270,000	12,319,000	12,368,000	12,417,000	12,466,000	12,515,000	12,564,000	12,613,000	12,662,000	12,711,000	12,760,000	12,809,000	12,858,000	12,907,000	12,956,000	13,005,000	13,054,000	13,103,000	13,152,000	13,201,000	13,250,000	13,299,000	13,348,000	13,397,000	13,446,000	13,495,000	13,544,000	13,593,000	13,642,000	13,691,000	13,740,000	13,789,000	13,838,000	13,887,000	13,936,000	13,985,000	14,034,000	14,083,000	14,132,000	14,181,000	14,230,000	14,279,000	14,328,000	14,377,000	14,426,000	14,475,000	14,524,000	14,573,000	14,622,000	14,671,000	14,720,000	14,769,000	14,818,000	14,867,000	14,916,000	14,965,000	15,014,000	15,063,000	15,112,000	15,161,000	15,210,000	15,259,000	15,308,000	15,357,000	15,406,000	15,455,000	15,504,000	15,553,000	15,602,000	15,651,000	15,700,000	15,749,000	15,798,000	15,847,000	15,896,000	15,945,000	15,994,000	16,043,000	16,092,000	16,141,000	16,190,000	16,239,000	16,288,000	16,337,000	16,386,000	16,435,000	16,484,000	16,533,000	16,582,000	16,631,000	16,680,000	16,729,000	16,778,000	16,827,000	16,876,000	16,925,000	16,974,000	17,023,000	17,072,000	17,121,000	17,170,000	17,219,000	17,268,000	17,317,000	17,366,000	17,415,000	17,464,000	17,513,000	17,56

Average		3.0 (1)	1.5 (2)	
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Eastern Cape

Middelburg (EC), Steynsburg Dierhospitaal

Western Cape

Malmesbury, Malmesbury Dierhospitaal

Riversdale, Riversdal Dierekliniek

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Year	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100																																																																																																													
Population	7,811,000	7,860,000	7,909,000	7,958,000	8,007,000	8,056,000	8,105,000	8,154,000	8,203,000	8,252,000	8,301,000	8,350,000	8,399,000	8,448,000	8,497,000	8,546,000	8,595,000	8,644,000	8,693,000	8,742,000	8,791,000	8,840,000	8,889,000	8,938,000	8,987,000	9,036,000	9,085,000	9,134,000	9,183,000	9,232,000	9,281,000	9,330,000	9,379,000	9,428,000	9,477,000	9,526,000	9,575,000	9,624,000	9,673,000	9,722,000	9,771,000	9,820,000	9,869,000	9,918,000	9,967,000	10,016,000	10,065,000	10,114,000	10,163,000	10,212,000	10,261,000	10,310,000	10,359,000	10,408,000	10,457,000	10,506,000	10,555,000	10,604,000	10,653,000	10,702,000	10,751,000	10,800,000	10,849,000	10,898,000	10,947,000	10,996,000	11,045,000	11,094,000	11,143,000	11,192,000	11,241,000	11,290,000	11,339,000	11,388,000	11,437,000	11,486,000	11,535,000	11,584,000	11,633,000	11,682,000	11,731,000	11,780,000	11,829,000	11,878,000	11,927,000	11,976,000	12,025,000	12,074,000	12,123,000	12,172,000	12,221,000	12,270,000	12,319,000	12,368,000	12,417,000	12,466,000	12,515,000	12,564,000	12,613,000	12,662,000	12,711,000	12,760,000	12,809,000	12,858,000	12,907,000	12,956,000	13,005,000	13,054,000	13,103,000	13,152,000	13,201,000	13,250,000	13,299,000	13,348,000	13,397,000	13,446,000	13,495,000	13,544,000	13,593,000	13,642,000	13,691,000	13,740,000	13,789,000	13,838,000	13,887,000	13,936,000	13,985,000	14,034,000	14,083,000	14,132,000	14,181,000	14,230,000	14,279,000	14,328,000	14,377,000	14,426,000	14,475,000	14,524,000	14,573,000	14,622,000	14,671,000	14,720,000	14,769,000	14,818,000	14,867,000	14,916,000	14,965,000	15,014,000	15,063,000	15,112,000	15,161,000	15,210,000	15,259,000	15,308,000	15,357,000	15,406,000	15,455,000	15,504,000	15,553,000	15,602,000	15,651,000	15,700,000	15,749,000	15,798,000	15,847,000	15,896,000	15,945,000	15,994,000	16,043,000	16,092,000	16,141,000	16,190,000	16,239,000	16,288,000	16,337,000	16,386,000	16,435,000	16,484,000	16,533,000	16,582,000	16,631,000	16,680,000	16,729,000	16,778,000	16,827,000	16,876,000	16,925,000	16,974,000	17,023,000	17,072,000	17,121,000	17,170,000	17,219,000	17,268,000	17,317,000	17,366,000	17,415,000	17,464,000	17,513,000	17,56

Average		1.0 (2)	
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Eastern Cape

Cofimvaba, State Vet Cofimvaba

Sheep: 1

Queenstown, Queenstown Provincial Vet Lab

Sheep: 1

Tulip Poisoning

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.3 (4)	3.0 (1)		3.0 (1)	2.4 (5)	2.3 (3)	2.0 (2)	2.2 (5)	

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

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

Mpumalanga**Grootvlei, Grootvlei Direklyniek**

Beef: 2

Middelburg , Middelburg Direhospitaal

Beef: 2

Standerton, Econovet

Beef: 2

Volksrust, Cape Cross Volksrust Direhospitaal

Beef: 3

Gauteng**Bronkhorstspuit, Kerkstraat Direklyniek**

Beef: 3

North West**Vryburg, Vryburg Direhospitaal**

Beef: 3

Free State**Bethlehem, Bethlehem Animal Hospital**

Beef: 2

Frankfort, Frankfort Direklyniek

Beef: 3

Memel, Memel Veterinary Clinic

Beef: 2

Reitz, Riemland Direhospitaal

Beef: 2

Villiers, Wilgepoort Direklyniek Vennootskap

Beef: 3

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

Beef: 2

Bergville, Tugela Vet Clinic

Beef: 2

Dundee, Endumeni Herd health

Beef: 3

Eastern Cape**Cofimvaba, State Vet Cofimvaba**

Beef: 2

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Goat: 2

Western Cape**Caledon, Overberg Veterinary Hospital**

Beef: 2

Darling, Tygerberg Dierehospitaal Darling

Sheep: 3

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Sheep: 2

Riversdale, Riversdal Dierekliniek

Dairy: 2

Mycotoxycosis

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

Dairy								1.5 (2)	
Goat								1.0 (1)	

Western Cape**Darling, Tygerberg Dierehospitaal Darling**

Dairy: 1

Malmesbury, Malmesbury Dierehospitaal

Dairy: 2

Stellenbosch, Stellenbosch Animal Hospital

Goat: 1

Diarrhoea in milk goats - mouldy straw.

Diplodiosis

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

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

Sheep					2.0 (2)				
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Free State**Clocolan, Clocolan Dierekliniek**

Sheep: 2

Reitz, Riemland Dierehospitaal

Sheep: 2

Other									^
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									
Sheep								2.5 (2)	
Western Cape									
Piketberg, Piketberg Dierehospitaal									
Sheep: 2									
Turksnaald: Dikkop in sheep grazing on Turksnaald									
Wellington, Wellington Dierehospitaal									
Sheep: 3									
Stellenbosch photosensitivity									
Poisonings									
Urea Poisoning									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average			1.0 (2)	1.7 (3)			2.5 (2)		
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef			1.0 (1)	2.0 (2)					
Dairy			1.0 (1)				2.5 (2)		
Sheep				1.0 (1)					
Limpopo									
Polokwane, Pietersburg Veterinary Clinic									
Beef: 1, Dairy: 1									
North West									
Christiana, Christiana Dierehospitaal									
Beef: 1									
Klerksdorp, Klerksdorp Dierehospitaal									
Sheep: 1									
Vryburg, Vryburg Dierehospitaal									
Beef: 3									
Eastern Cape									
Alexandria, Alexandria Platteland Spreekkamer									
Dairy: 3									
Alexandria, Riverview Trading Vet Consulting Services									
Dairy: 2									
Copper Poisoning									^

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

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

Sheep								1.0 (1)	3.0 (1)
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Western Cape

Beaufort West, Beaufort West State Vet

Sheep: 1

Northern Cape

Kimberley, Kimberley Diereklíniek

Sheep: 3

Other [^](#)

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

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

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

Eastern Cape

Humansdorp, Humansdorp Veterinary Clinic

Beef: 1

Adverse drug reaction – Oxytetracycline LA

Somerset East, Bosberg Veterinary Clinic

Goat: 3

Moxidectin toxicity in under conditioned angora goats

Northern Cape

De Aar, De Aar Veterinary Clinic

Sheep: 3

Wet carcasses at abattoir

Macro Nutritional Problems

Energy deficiency [^](#)

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.7 (3)	2.0 (2)		3.0 (3)	2.2 (5)	2.0 (1)	2.7 (6)	2.3 (4)	2.3 (3)

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

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

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1, Sheep: 1

Nelspruit, Nelspruit Animal Hospital

Beef: 3

Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 2, Goat: 2

North West

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 3, Sheep: 3, Goat: 3

Free State

Clocolan, Clocolan Dierekliniek

Beef: 2

Reitz, Riemland Dierehospitaal

Beef: 2

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 3

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2, Sheep: 2

Kwazulu-Natal

Camperdown, Camperdown Vet Clinic

Beef: 2

Eastern Cape

Alexandria, Alexandria Platteland Spreekkamer

Dairy: 3

Middelburg (EC), Steynsburg Dierehospitaal

Beef: 3, Sheep: 3, Goat: 3

Queenstown, Queenstown Provincial Vet Lab

Sheep: 2

Protein Energy Malnutrition

Goat: 2

Protein Energy Malnutrition

Western Cape

Malmesbury, Dr Otto Kriek

Dairy: 2

Compacting the silage during the process of making it seems to be a challenge on some farms. We as Veterinarians then have to deal with the consequences of poor/medium quality silage!!! Good health starts with feeding of quality roughage!

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 3, Sheep: 2

Northern Cape

De Aar, De Aar Veterinary Clinic

Sheep: 3

Cachexia at abattoir

Postmasburg, Postmasburg Dierekliniek

Sheep: 2, Goat: 2

Protein deficiency									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.7 (3)	2.0 (2)			2.0 (1)	2.0 (3)	2.4 (5)	2.0 (3)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef	2.0 (2)	2.0 (1)			2.0 (1)	2.0 (2)	3.0 (1)	2.0 (1)	
Dairy								2.0 (1)	
Sheep	1.0 (1)					2.0 (1)	2.5 (2)	2.0 (1)	
Goat		2.0 (1)					2.0 (2)		
Mpumalanga									
Balfour, Balfour Dierekliniek									
Beef: 1, Sheep: 1									
Nelspruit, Nelspruit Animal Hospital									
Beef: 3									
Gauteng									
Hammanskraal, Themba Animal Clinic									
Beef: 2, Goat: 2									
Free State									
Villiers, Wilgepoort Dierekliniek Vennootskap									
Beef: 2									
Kwazulu-Natal									
Camperdown, Camperdown Vet Clinic									
Beef: 2									
Pietermaritzburg, Veterinary House Hospital									
Beef: 2									
Rural/informal cattle farms									
Sheep: 2									
Rural/informal cattle farms									
Eastern Cape									
Middelburg (EC), Steynsburg Dierehospitaal									
Beef: 3, Sheep: 3, Goat: 2									
Queenstown, Queenstown Provincial Vet Lab									
Sheep: 2									
Protein Energy Malnutrition									
Goat: 2									
Protein Energy Malnutrition									
Western Cape									
Malmesbury, Malmesbury Dierehospitaal									
Beef: 2, Dairy: 2, Sheep: 2									
Phosphate deficiency									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape

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

Beef	3.0 (1)	2.0 (1)
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North West

Christiana, Christiana Dierehospitaal

Beef: 3

Northern Cape

Postmasburg, Postmasburg Dierekliniek

Beef: 2

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

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

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

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1

North West

Christiana, Christiana Dierehospitaal

Sheep: 1

Free State

Ladybrand, Ladybrand Dierekliniek

Sheep: 2

Reitz, Riemland Dierehospitaal

Beef: 2, Sheep: 2

Eastern Cape

Humansdorp, Humansdorp Veterinary Clinic

Beef: 2

Western Cape

Malmesbury, Dr Otto Kriek

Sheep: 2

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 3

Riversdale, Riversdal Dierekliniek

Dairy: 1

Swellendam, Swellendam Dierehospitaal

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)	
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Western Cape

Oudtshoorn, Ostrimed

Sheep: 1

Zinc deficiency

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

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

Dairy								3.0 (1)	
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Western Cape

George, George Animal Hospital

Dairy: 3

Selenium deficiency

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

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

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

Christiana, Christiana Dierehospitaal

Sheep: 3

Kwazulu-Natal

Kokstad, E.G.Veterinary Services

Beef: 2

Eastern Cape

Humansdorp, Humansdorp Veterinary Clinic

Beef: 2

Northern Cape**Postmasburg, Postmasburg Dierekliniek**

Sheep: 1

Vitamin A deficiency

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

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

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

North West**Christiana, Christiana Dierehospitaal**

Beef: 3

Free State**Ladybrand, Ladybrand Dierekliniek**

Beef: 1

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2, Sheep: 2

Vitamin B deficiency

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

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

Sheep							1.0 (1)		
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Eastern Cape**Somerset East, Bosberg Veterinary Clinic**

Sheep: 1

Vit B 1 deficiency secondary to acidosis

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)	1.5 (2)	3.0 (1)	3.0 (5)	2.2 (9)	1.8 (5)	1.3 (3)	2.3 (6)	2.0 (2)

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

Beef	1.3 (3)		3.0 (1)	3.0 (3)	2.2 (6)	1.7 (3)	1.0 (1)	2.5 (2)	
Dairy							2.0 (1)	2.3 (4)	
Sheep	2.0 (1)	2.0 (1)		3.0 (2)	2.5 (2)	2.0 (1)	1.0 (1)		2.0 (1)
Goat	2.0 (1)	1.0 (1)			2.0 (1)	2.0 (1)			2.0 (1)

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 2

Ermelo, Môregloed Veterinêre Spreekkamer

Sheep: 2

Viral abortions in sheep - Carolina

Middelburg , Middelburg Dierehospitaal

Beef: 1

Nelspruit, Nelspruit Animal Hospital

Beef: 1, Goat: 2

Gauteng

Bronkhorstspuit, Kerkstraat Dierekliniek

Sheep: 2, Goat: 1

Limpopo

Tzaneen, ZZ2 Farm Practice

Beef: 3

North West

Christiana, Christiana Dierehospitaal

Beef: 3, Sheep: 3

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 3, Sheep: 3

Vryburg, Vryburg Dierehospitaal

Beef: 3

Free State

Bloemfontein, Dr Stephan Wessels

Beef: 2

Bultfontein, Greylingrust Dieresprekkamer

Beef: 2

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 2

Ladybrand, Ladybrand Dierekliniek

Beef: 2

Reitz, Riemland Dierehospitaal

Goat: 2

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2, Sheep: 2

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Bergville, Tugela Vet Clinic

Beef: 1

Pietermaritzburg, Veterinary House Hospital

Goat: 2

Sent multiple fetuses/placentas to Vet diagnostix. Undiagnosed abortions/stillbirths.

Underberg, Underberg Veterinary Surgery

Beef: 2, Sheep: 2

Eastern Cape**Alexandria, Alexandria Platteland Spreekkamer**

Dairy: 2

Humansdorp, Humansdorp Veterinary Clinic

Beef: 1

Queenstown, Queenstown Provincial Vet Lab

Sheep: 1

Western Cape**Darling, Tygerberg Dierehospitaal Darling**

Beef: 3

Malmesbury, Dr Otto Kriek

Dairy: 2

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 3

Stellenbosch, Stellenbosch Animal Hospital

Dairy: 1

Swellendam, Swellendam Dierehospitaal

Dairy: 3

Northern Cape**Postmasburg, Postmasburg Dierekliniek**

Sheep: 2, Goat: 2

Stillbirths									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average		1.0 (1)			2.2 (6)	2.3 (4)	2.0 (1)	1.8 (4)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef		1.0 (1)			2.0 (3)	2.0 (2)	2.0 (1)	2.0 (1)	
Dairy								1.5 (2)	
Sheep					2.3 (3)	3.0 (1)		2.0 (1)	
Goat						2.0 (1)			

Gauteng**Bronkhorstspuit, Kerkstraat Dierekliniek**

Beef: 1

Free State**Bultfontein, Greylingrust Dieresprekkamer**

Sheep: 2

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 2

Ladybrand, Ladybrand Dierekliniek

Beef: 1, Sheep: 2

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Kokstad, E.G.Veterinary Services

Sheep: 3

Pietermaritzburg, Veterinary House Hospital

Beef: 2

Undiagnosed

Goat: 2

Sent multiple foetuses/placentas to Vetdiagnostix. Undiagnosed abortions/stillbirths.

Eastern Cape

Alexandria, Alexandria Platteland Spreekkamer

Beef: 2

Western Cape

Beaufort West, Beaufort West State Vet

Sheep: 2

Awaiting Chlamydia laboratory results.

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 2

Stellenbosch, Stellenbosch Animal Hospital

Dairy: 1

Abscesses

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)	1.3 (3)	1.0 (3)	2.7 (3)	1.9 (7)	2.0 (1)	2.0 (1)	2.6 (5)	

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

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

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1

Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 1

Pretoria, Anima Veterinary Consulting Rooms

Sheep: 2

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 1

Limpopo

Polokwane, Pietersburg Veterinary Clinic

Beef: 1, Sheep: 1, Goat: 1

North West**Christiana, Christiana Dierehospitaal**

Beef: 3, Sheep: 3

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 2

Free State**Bultfontein, Greylingrust Dieresprekkamer**

Sheep: 2

Hertzogville, Hertzogville Dierekliniek

Beef: 1

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Reitz, Riemland Dierehospitaal

Sheep: 1

Wesselsbron, Wesselsbron Dierekliniek

Beef: 1, Sheep: 2

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

Beef: 2

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

Goat: 2

Western Cape**Caledon, Overberg Veterinary Hospital**

Dairy: 2, Sheep: 3

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 3

Moorreesburg, Tygerberg mooreesburg

Sheep: 3

Abscesses in general

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

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

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

Mpumalanga**Nelspruit, Nelspruit Animal Hospital**

Beef: 2

Limpopo

Polokwane, Pietersburg Veterinary Clinic

Beef: 2, Sheep: 1, Goat: 2

Free State**Hoopstad, Hoopstad Dierekliniek**

Beef: 3, Sheep: 3

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

Beef: 1

Western Cape**Darling, Tygerberg Dierehospitaal Darling**

Dairy: 3

Malmesbury, Malmesbury Dierehospitaal

Dairy: 3

Northern Cape**Calvinia, Calvinia Veeartskliniek**

Sheep: 3

Bladder stones

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

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

Beef: 1

Urolithiasis

Free State**Hoopstad, Hoopstad Dierekliniek**

Sheep: 1

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 2

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

Goat: 1

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

Sheep: 1

Blindness

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

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

Mpumalanga

Volkstrust, Cape Cross Volkstrust Dierehospitaal

Beef: 1

Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 1

Free State

Hertzogville, Hertzogville Dierekliniek

Beef: 2

Western Cape

Heidelberg (WC), Heidelberg Dierekliniek

Sheep: 2

Malmesbury, Malmesbury Dierehospitaal

Dairy: 2

Northern Cape

Postmasburg, Postmasburg Dierekliniek

Beef: 1

Bloat

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average			2.0 (1)		1.7 (3)	1.0 (2)	2.0 (2)	1.4 (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)		1.5 (2)	2.0 (1)
Dairy							2.0 (1)	1.3 (3)	
Sheep					1.5 (2)		2.0 (1)		
Goat						1.0 (1)			

Limpopo

Polokwane, Pietersburg Veterinary Clinic

Beef: 2

Free State

Bultfontein, Greylingrust Dieresprekkamer

Sheep: 1

Ficksburg, Oosvrystaat Diere Produkte

Polokwane, Pietersburg Veterinary Clinic

Free State

Clocolan, Clocolan Dierekliniek

Dairy: 1

Ficksburg, Oosvrystaat Diere Produkte

Sheep: 1

Hoopstad, Hoopstad Dierekliniek

Sheep: 1

Kroonstad, Kroonstad Dierehospitaal

Dairy: 2

Ladybrand, Ladybrand Dierekliniek

Sheep: 1

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 2

Kwazulu-Natal

Pietermaritzburg, Veterinary House Hospital

Sheep: 1

Rural/informal sheep farmer.

Eastern Cape

Middelburg (EC), Steynsburg Dierehospitaal

Sheep: 3

Western Cape

Caledon, Overberg Veterinary Hospital

Sheep: 2

Heidelberg (WC), Heidelberg Dierekliniek

Sheep: 2

Riversdale, Riversdal Dierekliniek

Sheep: 2

Stellenbosch, Stellenbosch Animal Hospital

Sheep: 1

Diarrhoea

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.5 (2)	2.0 (2)		3.0 (5)	2.3 (10)	1.8 (8)	1.5 (2)	2.4 (5)	2.0 (1)

Beef	1.5 (2)	2.0 (1)		3.0 (2)	2.5 (4)	1.8 (5)			
Dairy					2.0 (3)			2.5 (4)	
Sheep				3.0 (2)	2.3 (3)	2.0 (1)	2.0 (1)	2.0 (1)	
Goat		2.0 (1)		3.0 (1)		1.5 (2)	1.0 (1)		2.0 (1)

Balfour, Balfour Dierekliniek

Beef: 1

Grootvlei, Grootvlei Dierkliniek

Beef: 2

Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 2, Goat: 2

North West

Christiana, Christiana Dierehospitaal

Beef: 3, Sheep: 3

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 3, Sheep: 3

Vryburg, Vryburg Dierehospitaal

Goat: 3

Free State

Bultfontein, Greylingrust Dieresprekkamer

Beef: 2

Calves

Sheep: 2

Lambs

Clocolan, Clocolan Dierekliniek

Beef: 2, Dairy: 2, Sheep: 2

Ficksburg, Oosvrystaat Dier Produkte

Dairy: 2

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Dairy: 2

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 3

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 3

Bergville, Tugela Vet Clinic

Beef: 2, Sheep: 2, Goat: 2

Estcourt, Estcourt Vet Clinic

Beef: 1

Pietermaritzburg, Veterinary House Hospital

Beef: 2

Calf scours - generally responsive to antibiotics (Trimethoprim sulfas)

Pongola, Pongola Animal Clinic

Beef: 1, Goat: 1

Eastern Cape

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Sheep: 2

Uitenhage, Uitenhage Dierehospitaal

Goat: 1

Western Cape

Malmesbury, Invitrotech

Dairy: 2

Nine cases

Malmesbury, Malmesbury Dierehospitaal

Dairy: 3, Sheep: 2

Riversdale, Riversdal Dierekliniek

Dairy: 2

Swellendam, Swellendam Dierehospitaal

Dairy: 3

Northern Cape

Postmasburg, Postmasburg Dierekliniek

Goat: 2

Epididymitis

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

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

Sheep					2.0 (1)				
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Free State**Reitz, Riemland Dierehospitaal**

Sheep: 2

Eye Cancer

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

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

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

Free State**Bultfontein, Greylingrust Dieresprekkamer**

Beef: 1

Kroonstad, Kroonstad Dierehospitaal

Dairy: 2

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 2, Sheep: 2

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

Beef: 1

Old dairy cow

Eastern Cape**Alexandria, Alexandria Platteland Spreekkamer**

Dairy: 2

Middelburg (EC), Steynsburg Dierehospitaal

Sheep: 2

Western Cape**Malmesbury, Malmesbury Dierehospitaal**

Beef: 2, Dairy: 2

Eye infections

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (2)	2.7 (3)		2.8 (5)	1.8 (4)	1.9 (9)	1.5 (2)	2.3 (3)	2.3 (4)

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

Beef	1.0 (1)	3.0 (2)		2.7 (3)	1.5 (2)	2.0 (6)	1.0 (1)	2.0 (2)	2.5 (2)
Dairy								3.0 (1)	
Sheep	1.0 (1)			3.0 (2)	2.0 (2)	1.5 (2)	2.0 (1)		2.0 (1)
Goat		2.0 (1)				2.0 (1)			2.0 (1)

Mpumalanga**Balfour, Balfour Dierekliniek**

Beef: 1, Sheep: 1

Gauteng**Hammanskraal, Themba Animal Clinic**

Beef: 3, Goat: 2

Magaliesburg, Magaliesburg; Dr Ryan Jeffrey

Beef: 3

Pink eye in cattle- *Moraxella bovis* and *Gedoelestia*.**North West****Christiana, Christiana Dierehospitaal**

Beef: 3, Sheep: 3

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 3, Sheep: 3

Leeudoringstad, Leeudoringstad Dierekliniek

Beef: 2

Free State**Bultfontein, Greylingrust Dieresprekkamer**

Beef: 1, Sheep: 1

Hertzogville, Hertzogville Dierekliniek

Beef: 2

Smithfield, Freestate Smithfield SV

Sheep: 3

Contagious ophthalmia - 50 cases, one outbreak

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

Beef: 2

Bergville, Tugela Vet Clinic

Beef: 2, Sheep: 2, Goat: 2

Camperdown, Camperdown Vet Clinic

Sheep: 1

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2

Pietermaritzburg, Veterinary House Hospital

Beef: 1

Underberg, Underberg Veterinary Surgery

Beef: 2

Vryheid, Vryheid Privaat Veeartse

Beef: 3

Eastern Cape

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Sheep: 2

Humansdorp, Humansdorp Veterinary Clinic

Beef: 1

Western Cape

Malmesbury, Malmesbury Dierehospitaal

Beef: 3, Dairy: 3

Oudtshoorn, Oudtshoorn Dierekliniek

Beef: 1

Northern Cape

Kimberley, Kimberley Dierekliniek

Beef: 3

Kerato-conjunctivitis

Postmasburg, Postmasburg Dierekliniek

Beef: 2, Sheep: 2, Goat: 2

Joint Ill

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

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1

Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 1, Goat: 1

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 1

Septic arthritis

North West

Christiana, Christiana Dierehospitaal

Beef: 3, Sheep: 3

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 1

Vryheid, Vryheid Privaat Veeartse

Beef: 2, Sheep: 2, Goat: 2

Western Cape

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 2

Stellenbosch, Stellenbosch Animal Hospital

Beef: 1

Lameness/Foot Problems

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average		1.7 (3)	2.0 (1)	3.0 (1)	2.3 (3)	1.0 (3)	1.5 (2)	2.2 (13)	

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

Beef		2.0 (2)		3.0 (1)	2.5 (2)	1.0 (1)	1.0 (1)	1.5 (2)	
Dairy								2.5 (6)	
Sheep		1.0 (1)			2.0 (1)	1.0 (1)	2.0 (1)	2.2 (5)	
Goat			2.0 (1)			1.0 (1)			

Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 1

Pretoria, Anima Veterinary Consulting Rooms

Sheep: 1

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 3

Limpopo

Tzaneen, ZZ2 Farm Practice

Goat: 2

North West

Christiana, Christiana Dierehospitaal

Beef: 3

Free State

Bultfontein, Greylingrust Dieresprekkamer

Beef: 2

Ficksburg, Oosvrystaat Diere Produkte

Sheep: 2

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 3

Kwazulu-Natal

Bergville, Tugela Vet Clinic

Beef: 1, Goat: 1

Camperdown, Camperdown Vet Clinic

Sheep: 1

Contracted tendons

Eastern Cape

Cofimvaba, State Vet Cofimvaba

Beef: 1

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Sheep: 2

Western Cape**Caledon, Overberg Veterinary Hospital**

Dairy: 2, Sheep: 2

Darling, Tygerberg Dierehospitaal Darling

Dairy: 3

George, George Animal Hospital

Dairy: 3

Malmesbury, Invitrotech

Dairy: 3

Eighteen cases

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 3, Sheep: 2

Moorreesburg, Tygerberg mooreesburg

Sheep: 3

Foot rot

Riversdale, Riversdal Dierekliniek

Beef: 1, Dairy: 1, Sheep: 1

Wellington, Wellington Dierehospitaal

Sheep: 3

Foot rot

Lung infection

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (6)	2.5 (2)	1.0 (1)	3.0 (8)	2.4 (17)	2.3 (6)	1.8 (5)	2.3 (7)	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 (4)		1.0 (1)	3.0 (4)	2.4 (10)	2.5 (4)	2.0 (1)	2.0 (3)	1.0 (1)
Dairy					1.0 (1)		1.0 (1)	2.7 (3)	
Sheep	2.0 (2)	2.0 (1)		3.0 (3)	2.7 (6)	2.0 (1)	2.0 (2)	2.0 (1)	2.5 (2)
Goat		3.0 (1)		3.0 (1)		2.0 (1)	2.0 (1)		

Mpumalanga**Balfour, Balfour Dierekliniek**

Beef: 2

Bethal, Bethal Dierekliniek

Beef: 2

Grootvlei, Grootvlei Dierekliniek

Beef: 2

Middelburg , Middelburg Dierehospitaal

Beef: 2, Sheep: 2

Volksrust, Cape Cross Volksrust Dierehospitaal

Sheep: 2

Gauteng

Hammanskraal, Themba Animal Clinic

Sheep: 2, Goat: 3

Limpopo**Mokopane, Dr Henk Visser**

Beef: 1

North West**Christiana, Christiana Dierehospitaal**

Beef: 3, Sheep: 3

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 3, Sheep: 3

Leeudoringstad, Leeudoringstad Dierekliniek

Beef: 3, Sheep: 3, Goat: 3

Vryburg, Vryburg Dierehospitaal

Beef: 3

Free State**Bethlehem, Bethlehem Animal Hospital**

Beef: 2

Bloemfontein, Dr Stephan Wessels

Beef: 2

Bultfontein, Greylingrust Dieresprekkamer

Beef: 2, Sheep: 2

Clocolan, Clocolan Dierekliniek

Beef: 3, Dairy: 1, Sheep: 3

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 3

Reitz, Riemland Dierehospitaal

Beef: 2, Sheep: 2

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 3, Sheep: 3

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 3, Sheep: 3

Wesselsbron, Wesselsbron Dierekliniek

Beef: 1

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

Beef: 2

Bergville, Tugela Vet Clinic

Beef: 2, Sheep: 2, Goat: 2

Pietermaritzburg, Veterinary House Hospital

Beef: 3

Young stock - erratic weather changes over past month

Underberg, Underberg Veterinary Surgery

Beef: 3

Calves

Eastern Cape**Alexandria, Alexandria Platteland Spreekkamer**

Dairy: 1

Queenstown, Queenstown Provincial Vet Lab

Sheep: 2

Aspiration/dosing pneumonia

Stutterheim, Stutterheim Veterinary Clinic

Beef: 2

Acute pneumonia (*Mannheimia haemolytica*) - 2 outbreaks

Sheep: 2
 Acute pneumonia (*Mannheimia haemolytica*) - 2 outbreaks
 Goat: 2
 Acute pneumonia, 6 died

Western Cape

Caledon, Caledon Dierekliniek

Beef: 1

Caledon, Overberg Veterinary Hospital

Beef: 3

Darling, Tygerberg Dierehospitaal Darling

Dairy: 3

Malmesbury, Invitrotech

Dairy: 2

Three cases

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 3, Sheep: 2

Northern Cape

Colesberg, Karoo Veterinary Hospital

Sheep: 3

Pasteurellosis

Upington, Upington Veeartsenykliniek

Beef: 1

Unprocessed calves in feedlot

Sheep: 2

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 (2)	1.0 (3)	2.3 (4)	2.0 (2)	1.5 (6)	2.0 (1)	2.4 (9)	

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

Beef	1.0 (1)	1.0 (1)	1.0 (1)	2.0 (3)	3.0 (1)	2.0 (3)	2.0 (1)		
Dairy		1.0 (1)			1.0 (1)	1.0 (2)		2.4 (9)	
Sheep			1.0 (1)	3.0 (1)		1.0 (1)			
Goat			1.0 (1)						

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1

Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 1, Dairy: 1

Limpopo

Polokwane, Pietersburg Veterinary Clinic

Beef: 1, Sheep: 1, Goat: 1

North West

Christiana, Christiana Dierehospitaal

Beef: 3, Sheep: 3										
Klerksdorp, Klerksdorp Dierehospitaal										
Beef: 2										
Vryburg, Vryburg Dierehospitaal										
Beef: 1										
Free State										
Bloemfontein, Dr Stephan Wessels										
Beef: 3										
Clocolan, Clocolan Dierekliniek										
Dairy: 1										
Kwazulu-Natal										
Bergville, Tugela Vet Clinic										
Beef: 2										
Camperdown, Camperdown Vet Clinic										
Dairy: 1, Sheep: 1										
Abscesses in udder										
Estcourt, Estcourt Vet Clinic										
Dairy: 1										
Pietermaritzburg, Veterinary House Hospital										
Beef: 2										
Pongola, Pongola Animal Clinic										
Beef: 2										
Eastern Cape										
Humansdorp, Humansdorp Veterinary Clinic										
Beef: 2										
Western Cape										
Caledon, Caledon Dierekliniek										
Dairy: 3										
Darling, Tygerberg Dierehospitaal Darling										
Dairy: 3										
George, Dr Mark Chimes										
Dairy: 2										
George, George Animal Hospital										
Dairy: 3										
Malmesbury, Dr Otto Kriek										
Dairy: 2										
Malmesbury, Invitrotech										
Dairy: 1										
Blood in the udder 1, new cases 48										
Malmesbury, Malmesbury Dierehospitaal										
Dairy: 3										
Riversdale, Riversdal Dierekliniek										
Dairy: 2										
Swellendam, Swellendam Dierehospitaal										
Dairy: 3										
Navel III										
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape	
Average	1.0 (1)				1.0 (1)	2.0 (1)	1.5 (2)			

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

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

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1

Free State

Kroonstad, Kroonstad Dierehospitaal

Beef: 1

Kwazulu-Natal

Pietermaritzburg, Veterinary House Hospital

Beef: 2

Eastern Cape

Middelburg (EC), Steynsburg Dierehospitaal

Beef: 1

Queenstown, Queenstown Provincial Vet Lab

Sheep: 2

Redgut (Sheep)



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

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

Sheep					2.0 (1)			2.0 (1)	
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Free State

Clocolan, Clocolan Dierekliniek

Sheep: 2

Western Cape

Heidelberg (WC), Heidelberg Dierekliniek

Sheep: 2

Trauma



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

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

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

Sheep	2.0 (1)								
Gauteng									
Hammanskraal, Themba Animal Clinic									
Dairy: 1									
Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic									
Beef: 2									
Fractures									
Eastern Cape									
Cofimvaba, State Vet Cofimvaba									
Beef: 1									
Western Cape									
Malmesbury, Malmesbury Dierehospitaal									
Beef: 2, Dairy: 2, Sheep: 2									
Downer									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (1)	1.3 (3)	2.0 (1)		1.6 (5)	1.7 (3)	1.5 (2)	2.5 (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	2.0 (1)	1.5 (2)	2.0 (1)		1.8 (4)	1.7 (3)	1.0 (1)	2.0 (1)	1.0 (1)
Dairy		1.0 (1)			1.0 (1)		2.0 (1)	2.7 (3)	
Mpumalanga									
Nelspruit, Nelspruit Animal Hospital									
Beef: 2									
Gauteng									
Bapsfontein, Bapsfontein Dierehospitaal									
Dairy: 1									
Bronkhorstspuit, Kerkstraat Direkliniek									
Beef: 1									
Hammanskraal, Themba Animal Clinic									
Beef: 2									
Limpopo									
Polokwane, Pietersburg Veterinary Clinic									
Beef: 2									
Free State									
Clocolan, Clocolan Direkliniek									
Beef: 1, Dairy: 1									
Kroonstad, Kroonstad Dierehospitaal									
Beef: 2									
Reitz, Riemland Dierehospitaal									
Beef: 2									
Villiers, Wilgepoort Direkliniek Vennootskap									
Beef: 2									
Kwazulu-Natal									
Bergville, Bergville Veterinary Clinic									
Beef: 2									

Camperdown, Camperdown Vet Clinic

Beef: 2

Pietermaritzburg, Veterinary House Hospital

Beef: 1

Eastern Cape**Alexandria, Alexandria Platteland Spreekkamer**

Beef: 1, Dairy: 2

Western Cape**Malmesbury, Invitrotech**

Dairy: 3

Ten cases

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 3

Swellendam, Swellendam Dierehospitaal

Dairy: 2

Northern Cape**Postmasburg, Postmasburg Dierekliniek**

Beef: 1

Traumatic Reticulo-pericarditis

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

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

Beef	1.0 (1)
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North West**Leeudoringstad, Leeudoringstad Dierekliniek**

Beef: 1

Other

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average		1.0 (2)	1.0 (1)			1.0 (1)		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)
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Dairy	3.0 (1)
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Sheep	1.0 (1)
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Goat	1.0 (1)	1.0 (1)
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Gauteng**Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic**

Beef: 1

Rectal prolaps

Goat: 1

Rumenotomy

Limpopo**Bela Bela, Artemis Veterinary Services**

Sheep: 1

Lamb not able to suckle - raised as orphan lamb

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

Goat: 1

Floppy kid syndrome

Western Cape**Malmesbury, Invitrotech**

Dairy: 3

Eleven cases having fever; rumen stasis 5 cases; poor condition 5 cases

Metabolic Diseases**Acidosis**

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (2)				2.4 (9)	1.7 (3)	2.0 (1)	1.8 (6)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef	2.0 (2)				2.0 (5)	2.0 (2)		2.0 (1)	
Dairy							2.0 (1)	2.0 (2)	
Sheep					3.0 (4)			1.7 (3)	
Goat						1.0 (1)			

Mpumalanga**Grootvlei, Grootvlei Direkliniek**

Beef: 2

Standerton, Econovet

Beef: 2

Free State**Bethlehem, Bethlehem Animal Hospital**

Beef: 2, Sheep: 3

Clocolan, Clocolan Direkliniek

Beef: 2, Sheep: 3

Hoopstad, Hoopstad Direkliniek

Beef: 3, Sheep: 3

Memel, Memel Veterinary Clinic

Beef: 2, Sheep: 3

Wesselsbron, Wesselsbron Direkliniek

Beef: 1

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

Beef: 2

Pietermaritzburg, Veterinary House Hospital

Beef: 2

Over-eating on grain in home-feedlotting situations

Goat: 1

Goat got into oranges.

Eastern Cape

Somerset East, Bosberg Veterinary Clinic

Dairy: 2

Western Cape

Beaufort West, Beaufort West State Vet

Sheep: 2

High energy feed, incomplete adaptation

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 3, Sheep: 2

Riversdale, Riversdal Dierekliniek

Dairy: 1, Sheep: 1

Displaced abomasum



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

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

Dairy		1.0 (1)						2.5 (2)	
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Gauteng

Bronkhorstspuit, Kerkstraat Dierekliniek

Dairy: 1

Western Cape

Malmesbury, Invitrotech

Dairy: 2

Four cases

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 (2)	1.0 (1)	1.8 (4)	2.3 (3)	

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

Dairy								3.0 (1)	
Sheep					2.0 (2)		1.8 (4)	2.0 (2)	
Goat						1.0 (1)			

Free State

Bultfontein, Greylingrust Dieresprekkamer

Sheep: 2

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 2

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

Goat: 1

Eastern Cape**Cofimvaba, State Vet Cofimvaba**

Sheep: 1

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Sheep: 2

Middelburg (EC), Steynsburg Dierehospitaal

Sheep: 3

Queenstown, Queenstown Provincial Vet Lab

Sheep: 1

Western Cape**Caledon, Overberg Veterinary Hospital**

Sheep: 2

Malmesbury, Malmesbury Dierehospitaal

Dairy: 3, Sheep: 2

Milk Fever

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

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

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

Free State**Bultfontein, Greylingrust Dieresprekkamer**

Beef: 1

Ficksburg, Oosvrystaat Diere Produkte

Dairy: 1

Hertzogville, Hertzogville Dierekliniek

Dairy: 1

Kroonstad, Kroonstad Dierehospitaal

Sheep: 1

Ladybrand, Ladybrand Dierekliniek

Sheep: 2

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

Beef: 1

Estcourt, Estcourt Vet Clinic

Dairy: 1

Western Cape

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 3

Riversdale, Riversdal Dierekliniek

Dairy: 1

Swellendam, Swellendam Dierehospitaal

Dairy: 2

Reproductive diseases**Dystocia (Difficult Births)**

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.1 (10)	1.6 (8)	2.3 (4)	2.7 (6)	2.3 (28)	2.3 (8)	1.6 (9)	1.9 (14)	2.0 (5)

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

Beef	2.3 (7)	1.7 (3)	2.5 (2)	2.6 (5)	2.5 (15)	2.2 (6)	1.3 (3)	1.7 (7)	2.0 (2)
Dairy		2.0 (1)			1.3 (3)		1.8 (4)	2.3 (4)	
Sheep	1.7 (3)	1.5 (2)	2.0 (1)	3.0 (1)	2.3 (10)	3.0 (1)		2.0 (3)	2.0 (2)
Goat		1.5 (2)	2.0 (1)			2.0 (1)	1.5 (2)		2.0 (1)

Mpumalanga**Balfour, Balfour Dierekliniek**

Beef: 2, Sheep: 2

Bethal, Bethal Dierekliniek

Beef: 3, Sheep: 1

Grootvlei, Grootvlei Dierekliniek

Beef: 3, Sheep: 2

Middelburg, Middelburg Dierehospitaal

Beef: 2

Nelspruit, Nelspruit Animal Hospital

Beef: 2

Standerton, Econovet

Beef: 2

Volksrust, Cape Cross Volksrust Dierehospitaal

Beef: 2

Gauteng**Bronkhorstspuit, Kerkstraat Dierekliniek**

Beef: 2, Sheep: 1

Hammanskraal, Themba Animal Clinic

Beef: 2, Dairy: 2, Goat: 2

Pretoria, Anima Veterinary Consulting Rooms

Beef: 1

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Sheep: 2

Four cases

Goat: 1

Limpopo

Mokopane, Dr Henk Visser

Beef: 2

Polokwane, Pietersburg Veterinary Clinic

Beef: 3, Sheep: 2, Goat: 2

North West

Christiana, Christiana Dierehospitaal

Beef: 3

Klerksdorp, Buffeldoorn Dierehospitaal

Beef: 2

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 3, Sheep: 3

Leeudoringstad, Leeudoringstad Dierekliniek

Beef: 2

Ventersdorp, Ventersdorp Dierekliniek

Beef: 3

Free State

Bethlehem, Bethlehem Animal Hospital

Beef: 3

Bloemfontein, Dr Stephan Wessels

Beef: 2

Bultfontein, Greylingrust Dieresprekkamer

Beef: 2, Sheep: 2

Clocolan, Clocolan Dierekliniek

Beef: 3, Dairy: 2, Sheep: 3

Dewetsdorp, Platkop Dierekliniek

Beef: 2

Ficksburg, Oosvrystaat Diere Produkte

Beef: 2, Dairy: 1

Frankfort, Frankfort Dierekliniek

Beef: 3, Sheep: 3

Hertzogville, Hertzogville Dierekliniek

Beef: 2

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 3

Ladybrand, Ladybrand Dierekliniek

Sheep: 3

Memel, Memel Veterinary Clinic

Beef: 3, Sheep: 2

Philippolis, Rowelsfontein veearts Spreekkamer

Sheep: 2

Reitz, Riemland Dierehospitaal

Beef: 3, Sheep: 2

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 3

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2, Sheep: 2

Wesselsbron, Wesselsbron Dierekliniek

Beef: 2, Dairy: 1, Sheep: 1

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Bergville, Tugela Vet Clinic

Beef: 2

Camperdown, Camperdown Vet Clinic

Goat: 2

Kokstad, E.G.Veterinary Services

Beef: 3, Sheep: 3

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2

Pietermaritzburg, Veterinary House Hospital

Beef: 2

End of calving season.

Vryheid, Vryheid Privaat Veeartse

Beef: 2

Eastern Cape

Alexandria, Alexandria Platteland Spreekkamer

Dairy: 2

Alexandria, Riverview Trading Vet Consulting Services

Dairy: 1

Cofimvaba, State Vet Cofimvaba

Beef: 2, Goat: 1

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Goat: 2

Humansdorp, Humansdorp Veterinary Clinic

Beef: 1

Kareedouw, Tenax Vet Clinic

Dairy: 1

Somerset East, Bosberg Veterinary Clinic

Dairy: 3

Uitenhage, Uitenhage Dierehospitaal

Beef: 1

Western Cape

Beaufort West, Beaufort West State Vet

Sheep: 2

Probably drought related.

Caledon, Caledon Dierekliniek

Beef: 1

Caledon, Overberg Veterinary Hospital

Beef: 2, Dairy: 2, Sheep: 2

Darling, Tygerberg Dierehospitaal Darling

Dairy: 3

Malmesbury, Invitrotech

Beef: 1

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 2, Sheep: 2

Oudtshoorn, Oudtshoorn Dierekliniek

Beef: 2

Stellenbosch, Stellenbosch Animal Hospital

Beef: 2

Swellendam, Swellendam Dierehospitaal

Beef: 2, Dairy: 2

Northern Cape

Kimberley, Kimberley Dierekliniek

Beef: 2

Postmasburg, Postmasburg Dierekliniek

Beef: 2, Sheep: 2, Goat: 2

Upington, Upington Veeartsenykliniek

Poor body condition score (B.C.S) and hypocalcemia

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

Gauteng
Bapsfontein, Bapsfontein Dierehospitaal

Free State

Dairy: 2

Dairy: 2

Pietermaritzburg, Veterinary House Hospital

Eastern Cape

Dairy: 2

Dairy: 3

Caledon, Caledon Dierekliniek

Malmesbury, Malmesbury Dierhospitaal

Riversdale, Riversdal Dierekliniek

Dairy: 1

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

Beef	1.0 (2)			1.0 (1)	2.0 (3)	2.0 (1)			2.0 (1)
Dairy							3.0 (1)	2.4 (5)	
Mpumalanga									
Balfour, Balfour Dierekliniek									
Beef: 1									
Grootvlei, Grootvlei Dierekliniek									
Beef: 1									
North West									
Christiana, Christiana Dierehospitaal									
Beef: 1									
Free State									
Bloemfontein, Dr Stephan Wessels									
Beef: 3									
Bultfontein, Greylingrust Dieresprekkamer									
Beef: 2									
Memel, Memel Veterinary Clinic									
Beef: 1									
Kwazulu-Natal									
Pietermaritzburg, Veterinary House Hospital									
Beef: 2									
Associated with RFM									
Eastern Cape									
Kareedouw, Tenax Vet Clinic									
Dairy: 3									
162 cases									
Western Cape									
Caledon, Caledon Dierekliniek									
Dairy: 3									
Darling, Tygerberg Dierehospitaal Darling									
Dairy: 3									
Malmesbury, Dr Otto Kriek									
Dairy: 1									
Malmesbury, Malmesbury Dierehospitaal									
Beef: 2, Dairy: 3									
Swellendam, Swellendam Dierehospitaal									
Dairy: 2									
Poor conception									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)				2.0 (1)			2.3 (4)	2.5 (2)
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef	1.0 (1)							1.0 (1)	2.5 (2)
Dairy					2.0 (1)			2.7 (3)	
Mpumalanga									

Balfour, Balfour Dierekliniek

Beef: 1

Free State**Kroonstad, Kroonstad Dierehospitaal**

Dairy: 2

Western Cape**Malmesbury, Dr Otto Kriek**

Dairy: 2

Phyto-oestrogens in clover: A herd of dairy cows failed to conceive during a certain period when they were grazing on a clover pasture. All of these animals showed clear signs of heat i.e. increased tone of uteri and they were mounting each other regularly but examination of the ovaries didn't show much follicular development. They were removed immediately from the pasture. These clovers obviously had high levels of phyto-oestrogens that accounted for this situation.

Malmesbury, Malmesbury Dierehospitaal

Dairy: 3

Oudtshoorn, Oudtshoorn Dierekliniek

Beef: 1

Swellendam, Swellendam Dierehospitaal

Dairy: 3

Northern Cape**Kathu, Kathu Dierekliniek**

Beef: 3

Postmasburg, Postmasburg Dierekliniek

Beef: 2

Retained afterbirth									^
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PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.4 (5)	1.0 (3)	2.0 (1)	1.5 (2)	1.8 (6)	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	1.5 (4)	1.0 (2)	2.0 (1)	1.5 (2)	1.8 (5)	1.7 (3)			
Dairy					2.0 (1)			1.7 (3)	
Sheep		1.0 (1)							
Goat	1.0 (1)								

Mpumalanga**Balfour, Balfour Dierekliniek**

Beef: 1, Goat: 1

Grootvlei, Grootvlei Dierekliniek

Beef: 2

Nelspruit, Nelspruit Animal Hospital

Beef: 2

Volkswest, Cape Cross Volksrust Dierehospitaal

Beef: 1

Gauteng**Hammanskraal, Themba Animal Clinic**

Beef: 1

Pretoria, Anima Veterinary Consulting Rooms

Sheep: 1

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 1

Limpopo**Mokopane, Dr Henk Visser**

Beef: 2

North West**Christiana, Christiana Dierehospitaal**

Beef: 2

Leeudoringstad, Leeudoringstad Dierekliniek

Beef: 1

Free State**Bloemfontein, Dr Stephan Wessels**

Beef: 2

Bultfontein, Greylingrust Dieresprekkamer

Beef: 2

Clocolan, Clocolan Dierekliniek

Dairy: 2

Frankfort, Frankfort Dierekliniek

Beef: 2

Ladybrand, Ladybrand Dierekliniek

Beef: 2

Wesselsbron, Wesselsbron Dierekliniek

Beef: 1

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

Beef: 2

Bergville, Tugela Vet Clinic

Beef: 1

Pietermaritzburg, Veterinary House Hospital

Beef: 2

Western Cape**Malmesbury, Dr Otto Kriek**

Dairy: 1

Malmesbury, Malmesbury Dierehospitaal

Dairy: 3

Stellenbosch, Stellenbosch Animal Hospital

Dairy: 1

Sheath Prolaps

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

Beef: 1

Hoopstad, Hoopstad Dierekliniek

Beef: 2

Ladybrand, Ladybrand Dierekliniek

Beef: 1

Kwazulu-Natal

Mtubatuba, Mtubatuba Animal Clinic

Beef: 1

Uterus prolaps



PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (1)	1.0 (1)	1.0 (1)	1.0 (1)	2.2 (11)	1.0 (3)	1.0 (2)	1.8 (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	2.0 (1)	1.0 (1)	1.0 (1)	1.0 (1)	2.0 (7)	1.0 (3)		2.5 (2)	2.0 (2)
Dairy							1.0 (2)	1.0 (2)	
Sheep					2.5 (4)				

Mpumalanga

Standerton, Econovet

Beef: 2

Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 1

Limpopo

Tzaneen, ZZ2 Farm Practice

Beef: 1

North West

Klerksdorp, Buffeldoorn Dierehospitaal

Beef: 1

Free State

Clocolan, Clocolan Dierekliniek

Beef: 2, Sheep: 2

Ficksburg, Oosvrystaat Diere Produkte

Sheep: 2

Frankfort, Frankfort Dierekliniek

Beef: 3, Sheep: 3

Hertzogville, Hertzogville Dierekliniek

Beef: 2

Hoopstad, Hoopstad Dierekliniek

Sheep: 3

Ladybrand, Ladybrand Dierekliniek

Beef: 1

Memel, Memel Veterinary Clinic

Beef: 2

Reitz, Riemland Dierehospitaal

Beef: 2

Gauteng

Bronkhorstspuit, Kerkstraat Dierekliniek

Beef: 1

Hammanskraal, Themba Animal Clinic

Dairy: 1, Goat: 1

Limpopo

Mokopane, Dr Henk Visser

Sheep: 1

Polokwane, Pietersburg Veterinary Clinic

Beef: 2

North West

Vryburg, Vryburg Dierehospitaal

Beef: 2

Free State

Clocolan, Clocolan Dierekliniek

Beef: 2, Sheep: 1

Frankfort, Frankfort Dierekliniek

Beef: 2

Hertzogville, Hertzogville Dierekliniek

Beef: 1

Hoopstad, Hoopstad Dierekliniek

Beef: 2, Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 2

Ladybrand, Ladybrand Dierekliniek

Beef: 2

Memel, Memel Veterinary Clinic

Beef: 2, Sheep: 2

Reitz, Riemland Dierehospitaal

Beef: 2

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2

Wesselsbron, Wesselsbron Dierekliniek

Sheep: 1

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Camperdown, Camperdown Vet Clinic

Beef: 1

Dundee, Endumeni Herd health

Beef: 2

Pietermaritzburg, Veterinary House Hospital

Beef: 2

Pongola, Pongola Animal Clinic

Beef: 1

Eastern Cape

Cofimvaba, State Vet Cofimvaba

Beef: 2

Middelburg (EC), Steynsburg Dierehospitaal

Sheep: 2

Western Cape

Caledon, Caledon Dierekliniek

Beef: 1

Caledon, Overberg Veterinary Hospital

Sheep: 2

Swellendam, Swellendam Dierehospitaal

Dairy: 1

Climatical Cause**Cold exposure**

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

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

Beef: 1

Kokstad, E.G.Veterinary Services

Sheep: 3

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

Goat: 2

Angora goats up to 400 died a week after been shorn

Drought

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

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

Beef							3.0 (1)		
Sheep							3.0 (1)		
Goat							3.0 (1)		

Eastern Cape**Middelburg (EC), Steynsburg Dierehospitaal**

Beef: 3, Sheep: 3, Goat: 3

Lightning

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

Mpumalanga

Volksrust, Cape Cross Volksrust Dierehospitaal

Beef: 1

Free State

Memel, Memel Veterinary Clinic

Beef: 2

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2

Western Cape

Oudtshoorn, Ostrimed

Sheep: 1

Frozen to death

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

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

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

Eastern Cape

Middelburg (EC), Steynsburg Dierehospitaal

Sheep: 3, Goat: 3

Western Cape

Riversdale, Riversdal Dierekliniek

Sheep: 2

Non specific diseases

Preditors

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

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

Beef			1.0 (1)		2.0 (1)	1.0 (1)			
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Western Cape**Heidelberg (WC), Heidelberg Dierekliniek**

Sheep: 1

Trauma

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

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

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

Gauteng**Hammanskraal, Themba Animal Clinic**

Beef: 1, Dairy: 1, Goat: 2

Limpopo**Mokopane, Dr Henk Visser**

Beef: 2, Sheep: 1

Free State**Wesselsbron, Wesselsbron Dierekliniek**

Beef: 1

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

Beef: 2

Hernias

Sheep: 1

Fractured leg

Western Cape**Malmesbury, Invitrotech**

Dairy: 2

Slipped on concrete floor

Veld fires

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

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

Beef	2.0 (1)				2.0 (1)				
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Sheep

2.0
(1)

Mpumalanga

Bethal, Bethal Dierekliniek

Beef: 2

Free State

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2, Sheep: 2