

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

March 2016

Previous disease reports can be seen on the RuVASA website www.ruvasa.co.za

Click on Disease Reports

The following practices and laboratories (134) submitted reports during March 2015:

Mpumalanga (13)

Balfour – Dr. Louis van Jaarsveld
Bethal – Dr. Hardus Pieters
Delmas – Dr. Johan Jooste
Ermelo – Dr. Ben Potgieter
Grootvlei – Dr. Neels van Wyk
Karino (Nelspruit) – Dr. Silke Pfitzer
Lydenburg – Drs. Trümpelmann and Steyn
Nelspruit – Dr. André Beytell
Middelburg – Drs. Fourie, Malan and Erasmus
Piet Retief - Drs. Niebuhr and Weber
Standerton – Dr. Kobie Kroon
Standerton – Drs. Nel, Swart, Van der Merwe, Van den Berg and Geral
Volksrust – Drs. Watson and Solomon

Gauteng (6)

Bronkhorstspuit – Drs. De Bruin, De Bruin, Rudolph and Slabber
Krugersdorp – Dr. Clare Speedy
Magaliesburg – Dr. Ryan Jeffery
Nigel – Dr. Cindy van der Westhuizen
Onderstepoort Veterinary Academic Hospital – Proff. Annandale, Prozesky, Shakespear, Holm and Drs. Esposito, Gratwick, Hamman, Harmse and O'Dell
Pretoria – Dr. Hanneke Pienaar

Limpopo (7)

Bela Bela – Drs. Du Toit and Herbst
Lephalale (Ellisras) – Dr. Brigitte Luck
Makhado (Louis Trichardt)– Drs. Harris, Klopper and Jacobs
Modimolle (Naboomspruit)– Drs. Huber, Bredell and Barnard

Mokopane (Potgietersrus) - Dr. Henk Visser

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

Vaalwater - Dr. Hampie van Staden

North West (10)

Brits – Drs. Boshoff and Coertze

Christiana - Dr. Pieter Nel

Klerksdorp – Drs. Van den Berg and Theron

Klerksdorp – Drs. Coetzee and Venter

Leeudoringstad - Dr. Ian Jonker

Lichtenburg – Dr. Fritz Ras

Lichtenburg – Dr. Nelmarie-Krüger-Rall

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

Stella - Dr. Magdaleen Vossler

Ventersdorp/ Koster – Drs. Marais and Benadé

Free State (25)

Bethlehem – Drs. Strydom and Strydom

Bethlehem – Dr. J.C. Du Plessis

Bloemfontein – Dr. Stephan Wessels

Bothaville – Dr. Johann Blaauw

Bultfontein – Dr. Santjie Pieterse

Clocolan – Dr. Liezel Wasserman (Marwick)

Dewetsdorp – Dr. Marike Badenhorst

Ficksburg – Drs. Kotze and Coetzer

Frankfort - Drs. Lessing, Cilliers and Janse van Rensburg

Harrismith - Drs. Pretorius and Nel

Hoopstad - Dr. Kobus Pretorius

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

Ladybrand/Excelsior - Drs. De Vos and Nel

Memel – Drs. Nixon and Nixon

Parys – Drs. Wessels and Wessels

Phillipolis – Dr. Stephan Vermeulen

Reitz - Dr. Murray Smith

Trompsburg/Springfontein – Dr. Wyn Irwin

Viljoenskroon - Dr. Johan Kahts

Villiers – Drs. Hattingh and Hauptfleisch

Vrede – Drs. Myburgh and Bester-Cloete

Vrede- Dr. Rudolph Fourie

Wesselsbron –Dr. Johan Jacobs

Winburg – Drs. Albertyn and Albertyn

Zastron – Drs. Troskie and Strauss

KwaZulu-Natal (19)

Bergville - Dr. Ariena Shepherd
Bergville – Dr. Jubie Muller
Camperdown – Dr. Anthony van Tonder
Dundee – Drs. Marais and Fynn
Eshowe – Drs. Pryke and Hoffman
Estcourt – Drs. Turner, Tedder, Taylor, Tratschler, Van Rooyen and Alwar
Greytown – Dr. Mike Caldicott
Ingogo – Dr. Trish Oglesby
Kokstad- Drs. Clowes and Shrives
Mooi River - Drs. Fowler, Hartley, Waterman and Mallet
Mtubatuba – Dr. Trever Viljoen
Newcastle – Dr. Barry Rafferty
Pietermaritzburg – Dr. Rick Mapham
Pietermaritzburg – Dr. Phillip Kretzmann
Pongola – Dr. Heinz Kohrs
Ulundi – Dr. Ben Muller
Underberg - Drs. Collins, King and Delaney
Underberg – dr. Pete Dommett
Vryheid – Drs. Theron and Theron

Eastern Cape (18)

Alexandria - Drs. Olivier and Dreyer
Alexandria – Dr. Thys Potgieter
Aliwal North/Zastron – Drs. Troskie and Strauss
Bathurst – Dr. Jane Pistorius
Colesberg – Drs. Rous and Rous
Cradock – Dr. Frans Erasmus
Cradock – Dr. Ilse Jenkinson
Graaff- Reinet - Dr. Roland Larson
Graaff-Reinet – Drs. Hobson, Strydom and Hennesy
Humansdorp - Drs. Van Niekerk, Jansen Van Vuuren, Barker and Kotze
Jeffreys Bay – Drs. Hoek, Lategan and McFarlane
Kareedouw- Dr. Marten Bootsma
Port Alfred – Dr. Leon de Bruyn
Queenstown - Drs. Du Preez, Godley, Klopper, Jansen van Vuuren, De Klerk and Catherine
Riversdale – Drs. Du Plessis, Taylor, Du Bruyn and Van der Merwe
Somerset East – Drs. Farrell, Louw and Rass
Stutterheim - Dr. Dave Waterman
Uitenhage – Drs. Mulder and Krüger

Western Cape (21)

Beaufort West - Drs. Pienaar and Grobler
Caledon – Drs. Retief and Rissik
Ceres – Drs. Pieterse, Wium, Freeman, 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 - Drs. Bosman and Groenewald
Malmesbury – Dr. John Liebenberg
Malmesbury – Dr. N.J. Heyns
Oudtshoorn – Dr. Glen Carlisle
Oudtshoorn – Dr. Adriaan Olivier
Piketberg – Dr. André van der Merwe
Plettenberg Bay – Dr. André Reitz
Plettenbergbay – Dr. Stephan Nell
Riversdale – Drs. Du Plessis, Taylor and De Bruyn
Stellenbosch – Dr. Alfred Kidd
Swellendam – Drs. Malan and Venter
Vredenburg - Dr. Izak Rust
Wellington – Dr. William van Zyl

Northern Cape (7)

De Aar – Dr. Donald Anderson
Calvinia – Dr. Bertus Nel
Jan Kempdorp – Dr. Jan Brand
Kathu – Dr. Jan Vorster
Kimberley – Drs. Van Heerden and Swart
Kimberley – Dr. Trudie Prinsloo
Upington – Drs. Vorster and Visser

Feedlots (2)

Drs. Morris and Du Preez
Dr. Andy Hentzen

Laboratory reports (6)

Dr. Mark Chimes - Deltamune laboratory
Dr. Marijke Henton - Idexx SA Johannesburg
Dr. Liza du Plessis – Idexx SA Onderstepoort
Dr. Alan Fischer – Queenstown Provincial laboratory
Dr. Rick Last – Vetdiagnostix, Pietermaritzburg
Dr. Emily Lane – National Zoological Gardens

Summary of disease report for March 2016

134 Reports from veterinary practices and laboratories were received (Mpumalanga (MP) 13; Gauteng (G) 6; Limpopo (L) 7; North West (NW) 10; Free State (FS) 25; KwaZulu-Natal (KZN) 19; Eastern Cape (EC) 18; Western Cape (WC) 21; Northern Cape (NC) 7; Feedlots (FL) 2 and Laboratories (Lab) 6).

Prevention is better than cure

When studying the monthly disease reports one comes to the conclusion that most of the infectious diseases that were reported could have been prevented if animals had been properly vaccinated. Reports that struck me were: “70 cattle died due to blackquarter, animals were not vaccinated”, or “booster vaccination was not given”.

The aim of studying the monthly disease reports is to sit down with your veterinarian and draw up an **animal health management programme** for your farm taking into account what diseases were reported. **This programme should regularly be updated as new risks are identified!**

What is a vaccine?

A vaccine is a product that contains a dead or a live weakened disease-causing organism or toxic substance (agent). When the product is administered to the animal, the animal will build up a resistance or antibodies against that specific organism or toxin. The immunised animal is then protected against the organism (disease) or poisonous substance (toxin) when exposed to it.

What is immunisation (vaccination)?

Immunisation is the process of administering a vaccine to an animal for protection against a specified disease. If the animal is protected against the disease for which it was immunised, it is then immune.

Vaccines

The use of vaccines for animals as a preventative measure, is based on the principle that the animal possesses the ability to build up protective antibodies and cellular immunity against disease-causing organisms or their products.

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The disease-causing organism or its product is altered in such a way (artificially, genetically or naturally) that it no longer causes the disease in the animal, but still has the ability to stimulate the animal's immunity so as to protect it against that disease. The animal is then said to be “immune”, implying that the animal will not contract the disease for which it was immunised.

Development of resistance after vaccination

After a particular vaccine has been administered to an animal for the first time, it takes 14 to 21 days for antibodies that offer resistance against the disease in question, to develop. After administering a booster vaccination, be it after four weeks or one year, it generally takes 24 to 36 hours for the antibodies to increase dramatically in number, due to the presence of cells in the bloodstream that can "recall" previous exposure.

Preventative measures and the use of vaccines

Carefully read the directions for usage written on the package insert and use the vaccine only as prescribed. Warnings regarding the use of the vaccine as indicated on the insert must be followed to the letter. For example, if pregnant cows or ewes are immunised against brucellosis (strain 19 vaccine) or blue tongue respectively, then cows may abort or abnormal foetuses may be produced by the ewes.

Equipment: Sterilise syringes and needles by boiling them in water for at least 15 minutes. Do not use disinfectants or methylated spirits to sterilise syringes and needles. Use a separate needle for each animal as far as possible. Should a number of animals be injected with one needle, disease-causing viruses or bacteria can be transferred from sick to healthy animals.

Vaccine: Shake the vaccine bottle each time before filling the syringe with vaccine. Vaccines which are mixed/prepared (such as lumpy skin disease) by mixing the freeze-dried material (pill) with water, must be injected immediately following preparation. Such a vaccine must not be stored in a fridge and used again after a day or two.

Sunlight: Avoid exposing the vaccine to high temperatures and direct sunlight in storage or when vaccinating. The sun's ultra-violet rays damage and/or destruct the active agents in the vaccine. All vaccines are damaged by heat and care must be taken to keep vaccines cool during transport and use. A cooler with cooling/ice packs must be used for this purpose.

Mixing vaccines: Different vaccines, such as those for lumpy skin disease and blackquarter, must not be mixed in the same syringe. Vaccines must also not be mixed in a syringe with other preparations such as antibiotics, vitamins or deworming substances for vaccination and injection. When more than one vaccine is given at the same time they should not be administered close to each other in the animal but preferably at both sides of the neck.

Protection of person who vaccinates the animals: Special care must be taken by the person who administers the vaccines to ensure that he/she does not accidentally inject him/herself, ingest vaccine or become contaminated with it through cuts or cracks in the skin, or mucous membranes. The live brucellosis vaccine poses a possible health risk for humans and must be handled with the utmost care, as infection with the anthrax vaccine can cause extensive localized swelling and discomfort. Infection with brucellosis vaccine can cause brucellosis (Malta fever). Consult your general practitioner, should you accidentally inject yourself.

Vaccination during disease outbreaks: Vaccination of animals during a disease outbreak will not immediately stem the course of the disease, as it takes 2 to 3 weeks before an immunity in the animals actually develops. Should an animal be immunised during the disease's incubation period, it will still develop the disease and the vaccine will not prevent the disease from occurring.

Transfer of disease during vaccination: Ensure, if at all possible, that each animal is immunised with a separate sterile needle. Dirty (non-sterile) needles can transfer diseases such as lumpy skin disease, Rift Valley Fever and anaplasmosis if animals are immunised during the disease's incubation period. Especially during disease outbreaks, one must ensure that every animal is immunised with a separate sterile needle.

- Do not vaccinate calves or lambs of immunised mothers before the age of ten weeks. The colostrum-derived immunity will protect the calf or lamb, except where the product information indicates otherwise.
- Animals immunised for the first time with, for example, an inactive vaccine against blackquarter, botulism and malignant oedema, must be immunised again with the same vaccine three weeks after the first vaccination (booster vaccination) so as to ensure the development of a protective immunity.
- A small percentage of animals in a herd/flock (about 1%) may develop only a weak or no immunity after vaccination. These animals die if they are infected with the causative organism of the disease concerned.

Next month reasons why immunisation fails will be discussed.

Reference:

Du Preez, J.H. and Malan, F.S. 2012. Vaccines and immunisation of farm animals. AgriConnect. ISBN: 978-0-620-38932-7.

Hierdie boek is ook in Afrikaans beskikbaar en kan bestel word by helene@mpo.co.za

Internal parasites

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

Internal parasites	MP	G	L	NW	FS	KZN	EC	WC	NC
Roundworms	x	X	x	x	x	x	x	x	
Resistant roundworms	x	X		x	x	x	x	x	
Wireworm	x	X			x	x	x	x	x
Brown stomach-worm							x	x	
Large-mouthed bowelworm									
Nodularworm									
Lungworm									
Eyeworm					x				
<i>Parafilaria</i>		X	x			x			
Tapeworms	x	X		x	x	x	x		
Liver fluke	x				x	x	x	x	
Conical fluke	x			x	x	x	x	x	
Cysticercosis (measles)	x				x	x			
Schistosomiasis (bilharzia)									
Coccidiosis	x	X	x	x	x	x	x	x	

An increase in the number of animals affected by internal parasites was reported during March. Mortalities due to wireworm infestation were reported.

Be on the alert for signs indicating internal parasitism: anaemia, bottle jaw, weight loss and diarrhoea. Animals under stress and lack of protein and energy, are more susceptible to parasites.

As resistance of worms, especially wireworm, to many of the anthelmintic groups are reported, control and preventative measures against parasites should be discussed with your veterinarian to prevent serious losses of livestock.

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	
Resistant blue ticks	x					x			
Heartwater ticks	x	x	x	x		x	x		
Brown ear-ticks	x	x	x			x		x	
Bont-legged ticks	x	x	x	x	x	x	x	x	
Red-legged ticks	x		x	x	x	x	x		
Paralysis ticks	x				x	x	x		
Biting lice	x				x	x		x	
Sucking lice		x			x	x			
Itch mites						x			
Sheep scab	x				x	x	x		
Mange mites			x						
Nuisance flies	x		x		x	x	x	x	
Midges	x		x	x	x	x	x	x	
Mosquitoes					x	x			
Blowflies	x		x		x	x			
Screw-worm	x		x			x	x		
Geddoelstia (uitpeuloogsiekte)							x		
Nasal bot		x			x	x			

Reports of an increase in tick numbers were received. As many animals are in poor condition, bloodloss due to blue ticks taking in blood meals could result in serious losses.

In most areas severe infestations of brown ear-tick and bont-legged tick infestations were reported.

Be aware of wounds that are caused by ticks with long mouth parts (bont and bont legged-ticks) as the screw-worm fly lays its eggs in these wounds leading to myiasis (screw-worm larvae in wounds) and even deaths.

Nagana						x			
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An increase in the occurrence of insect transmissible diseases were reported. This was due to an increase of midges and biting flies which are carriers of viruses.

Do not neglect vaccinating animals! As good rains are forecasted for the next season, plan now to order vaccines in time.

Veneral diseases

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

Veneral diseases	MP	G	L	NW	FS	KZN	EC	WC	NC
Trichomonosis	x	x	x	x	x	x	x	x	
Vibriosis				x	x		x	x	
Pizzle disease							x		

New cases of **trichomonosis** are reported every month and this disease is out of hand. This month it was reported that the disease was brought into the herd by buying in bulls. Make sure that you buy bulls from farmers where biosecurity measures are in place!

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

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.

Bacterial diseases

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

Bacterial diseases	MP	G	L	NW	FS	KZN	EC	WC	NC
Blackquarter	x	x	x	x	x	x	x	x	x
Botulism	x		x	x	x	x			
Pulpy kidney	x	x	x	x	x	x	x	x	x
Lamb dysentery					x				
Swelled head	x	x	x		x		x		
Red gut (cattle)					x	x	x	x	
Blood gut (sheep)	x			x	x		x	x	
Tetanus				x		x	x		
Salmonellosis	x					x	x	x	
Bovine brucellosis	x		x	x	x			x	
Ovine brucellosis							x		x
<i>Actinobacillus seminis</i>									
Bovine tuberculosis									
Johne's					x		x		

Leptospirosis									
Listeriosis							x		
<i>Pseudomonas</i>						x			
<i>Fusibacterium necrophorum</i>				x	x				
Septicaemia					x	x			
<i>E. coli</i>	x			x	x	x	x	x	x
Enzootic abortion					x	x			
Lumpy wool									
Uterine gangrene									
Bovine dermatophilosis (Senkobo disease)	x	x							
Wooden tongue									
Lumpy jaw									

A few comments on bacterial diseases:

Seventy cattle died due to blackquarter in one practice area – they were not vaccinated.

Brucella mellitensis, a zoonosis, is still present on a farm in the Western Cape. Two cattle tested positive, hopefully this disease will soon be something of the past on this farm.

Small stock are given additional concentrates and feed during the drought. Make sure that animals are vaccinated against pulpy kidney as many deaths were reported.

New brucellosis and *E. coli* outbreaks are reported every month.

Study the presence of diseases in your area and update your vaccination programme and order vaccines and booster doses in advance!

To control and eradicate brucellosis is a top priority for all of us!

According to law all heifers must be vaccinated between the ages of 4 to 8 months!

Viral diseases

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

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

<i>Gomphocarpus (Asclepias) fruticosus</i> (milkweed)									
Bracken fern			x						
Kikuyu									
Ryegrass									
Ganskweek									
Paspalum staggers							x		
Photosensitivity (unknown cause)						x			
Lusern									
Mycotoxigenesis								x	
Diplodiosis									
Lupins									
Harpuisbos									
Syringa berries									
Kraalbos									
Crotolaria									
Radish									
Carrot poisoning									
Onion poisoning									
Bracken fern									
Pollen beetle (<i>Astylus atromaculatus</i>)									
Water contamination									
Nitrate					x		x		
Urea	x			x			x		
Snake bite				x	x		x		
Moth cocoons (impaction)									x
Blue green algae									
Copper					x				
Selenium									
Zinc									
Fluoride									
Lead									
Paraquat									
Phosamine									
Pyrethroid									
Amitraz									
Levamisole									
Tilmicosin									
Ionophor									

As grazing conditions become poorer, toxic plants are usually greener and farmers should be aware of these plants and which clinical signs are seen when they are eaten.

Beware of bracken fern poisoning during the drought period in the Mokopane area. Cattle had a bloody diarrhoea.

<http://landbou.com/kundiges/vra-vir-faffa/adelaarsvaring-en-vergiftiging/>

An interesting case was recorded in the Northern Cape where moth cocoons caused severe problems when they were eaten.

<http://landbou.com/kundiges/vra-vir-faffa/molopomotte-se-kokonne-verstop-beeste/>

Nutritional deficiencies

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

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

Lack of roughage due to the drought is going to be a big challenge for many farmers until the next rainy season starts. **Plan now!!!!**

Micro-nutritional deficiencies

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

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

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

With the drought and lack of proper grazing, mineral deficiencies will increase.

Supplement animals with vitamin A.

Multifactorial diseases and other conditions

The following conditions were reported by practices in the provinces

Multifactorial diseases and other conditions	MP	G	L	NW	FS	KZN	EC	WC	NC
Abortions	x			x	x	x	x	x	
Stillbirths					x				
Abscesses	x	x	x	x	x	x	x	x	
Intestinal ulcers									
Bladder stones							x		
Blindness					x	x		x	
Bloat		x		x	x	x	x		
Blood gut (sheep)							x		
Blue udder	x				x		x	x	
Diarrhoea	x		x	x	x	x	x	x	
Epididymitis									
Eye cancer					x	x	x		
Eye infections	x	x	x	x	x	x	x	x	x
Joint ill	x	x		x	x	x	x	x	
Lameness/foot problems	x	x	x	x	x	x	x	x	x
Lung infection	x	x		x	x	x	x	x	x
Mastitis	x	x	x	x	x	x	x	x	
Navel ill						x		x	
Red gut (sheep, torsion of gut)					x		x		
Rectal prolaps									
Trauma	x	x	x		x	x	x	x	
Plastic bags (ingestion)					x				
Downer	x				x	x			

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

Metabolic diseases

The following diseases were reported by practices in the provinces:

Metabolic diseases	MP	G	L	NW	FS	KZN	EC	WC	NC
Acidosis		x		x	x	x	x	x	
Displaced abomasums		x			x	x		x	
Ketosis		x			x			x	
Milk fever					x	x		x	

There is an increase in the reporting of acidosis. Many farmers are feeding their animals due to the drought. Make sure that you adapt animals to feed containing concentrates.

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

Reproductive diseases

Reproductive diseases	MP	G	L	NW	FS	KZN	EC	WC	NC
Dystocia (difficult births)	x	x	x	x	x	x	x	x	
Endometritis					x	x		x	
Metritis		x		x	x	x	x	x	

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

The drought and heat experienced play a huge role in fertility. Fertility of animals is one of the most important factors determining the success of farming. Discuss all issues with your veterinarian.

Environmental conditions

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

Other conditions: Drug residues (KZN), predators (FS); theft (FS), electrocution (EC), and trauma (NW, EC and WC) and numerous cases of traumatic pericarditis – wire penetrating the heart sack from the reticulum.

Cattle were electrocuted at a pivot when it was not earthed correctly. This is the second case this year that this has happened.

Comment:

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

Karino (Nelspruit) – Dr. Silke Pfitzer

Lephalale – Dr. Brigitte Luck

Vaalwater – Dr. Hampie van Staden

Pietermaritzburg – Rick Mapham

Jan Kempdorp – Dr. Jan Brand

Malmesbury – Dr. N.J. Heyns

Plettenberg Bay – Dr. Stephan Nell

Ostriches

Western Cape

Oudtshoorn – Ostrimed

Condition	Comments
Bont-legged ticks	3 High tick incidence which leads to down grading at abattoir due to export regulations. Bad season for ticks so far.
Cryptosporidium	2 See as prolaps of the cloaca. High water intake/ increased urination, wet soils = pica = exposure to oocysts. Immune compromise – low feed intake during hot weather = prolapses
Mycoplasmosis	2 Change in season – temperature fluctuations and wind. Increased dust. Most chicks have a sinusitis/ rhinitis and tracheitis. High morbidity increasing production losses – slower growth. Dusty environment due to high heat and dry environment. Wind every afternoon. Dust bowl effect. Together with challenges on nutrients and stress. Opens door for <i>Mycoplasma</i> .
Diarrhoea	2 Soil pica, wet soil triggers opportunistic bacterial infections. Heat triggers <i>Clostridium</i> due to overflow of nutrients into the hind gut fermenting system.
Protein /Energy deficiency	2 Rain and sudden drop in temperature. Leads to feed refusal of badly managed feed troughs and feeding. Increased soil pica, high energy demand for chicks that have been placed late in the season. Reduced feed intake, all contribute to diarrhoea – sand irritation and fecal bacteria. Insufficient nutrient intake, stress on immune system and growth. Opportunistic bacteria or other infections, chronic low grade <i>C. perfringens</i> infection. Gut damage. Poor growth partly due to low feed intake but significantly due to poor quality raw material being bought in for complete feeds. Soya 40% protein vs specified at 47%
Ophthalmia	2
Sinusitis	3
Cold and wet	Birds have significantly reduced feed intake, resulting in energy and protein deficiency – poor growth and any stress e.g. handling or slightly cold weather causes acute mortalities due to PED (protein and energy deficiency)

Equines

Gauteng

Magaliesburg

African Horse sickness – 1

Muldersdrift

African Horse Sickness – 2 cases

Encephalosis virus – 3 cases

Limpopo

Mokopane – Dr. Henk Visser

Midges – 1

Makhado

African Horse Sickness - 2

Free-State

Bethlehem

Babesiosis - 1

Colic - 1

Parys

African Horse Sickness – Saddle horse, filly 1,5 years old

KwaZulu-Natal

Ulundi

One farmer said his mare aborted, have not had time to go around and look at her.

Planning on helping the CCS vet from Allerton bleed all the local horses in the area for **Dourine**, she has already picked up 3 positive cases in Southern KZN.

Eastern Cape

Humansdorp

Babesiosis - 1

Port Alfred

Babesiosis - 2 cases Bathurst

Colic – 1 Clumber

Western Cape

Swellendam

Babesiosis – 2 cases

Swine

Gauteng

Onderstepoort Academic Hospital

Mastitis - 1

Eastern Cape

Humansdorp

Circavirus – 1

Somerset East

Intestinal roundworms – 2 Sable

Paralysis tick – 1

Rabbits

Nigel

Unknown deaths – awaiting culture results

Coccidiosis

Game

Mpumalanga

Ermelo

Wireworm – 3 Blesbuck and springbuck
Capture myopathy

Gauteng

Pretoria -A nimavet

Tapeworms - 1
Brown ear-tick – 3
Bont legged-tick – 3
Coccidiosis - 1
Arthritis – 2
Abscesses – 2 Secondary to tick infestation

Limpopo

Bela-Bela

Intestinal roundworms – 2
Conical fluke – 1 Blesbuck
Theileriosis – 1 Sable calf
Dystocia – 1 Buffalo
Lungs – 1 Springbuck
Eye problems – 2 Nyala

Mokopane

Heartwater tick – 3
Brown ear-ticks - 3
Bont-legged ticks - 2

North West

Klerksdorp

Intestinal roundworms – 2
Bont-legged ticks – 2
Red-legged ticks – 2 sable
Blowflies – 1
Screw-worm - 3
Warts – 2
Capture myopathy – 2 animals died a couple of days after capture. Animals most likely caught in nets

Lichtenburg

Intestinal roundworms – 1
Heartwater ticks - 2
Rabies – 1 jackal
Rabies – 1
Capture myopathy – 1
Cold exposure - 1

Stella

Blue ticks - 3

Free-State

Hertzogville

Botulism – 3 Sable, 15 animals died

Parys

Roudworms and coccidiosis – sable (routine check animals not treated)

KwaZulu-Natal

Memel

Cold exposure - 1

Pongola

Brown ear-tick - 1

Protein deficiency – 1 (terrible drought)

Energy deficiency - 1 (terrible drought)

Drought – 3

Ulundi

Corridor disease - No game but my area borders on uMfolozi game reserve. I expect some possible corridor outbreaks where grazing pressure will force animals to graze on the fence line. In fact I have witnessed cattle grazing in the park with my own eyes. My neighbouring area in Hluhluwe has had a massive confirmed corridor outbreak due to farmers grazing next to Isimangaliso and Mkuze game reserve fences.

Eastern Cape

Alexandria

Red gut – sable calf

Cradock

Fasciola eggs in faecal egg count – 1 Sable

Port Alfred

Shipping fever pneumonia – 1 Sable

Verminosis – 1 Sable

Predation – 1 Sable calf

Western Cape

Oudtshoorn

Capture myopathy - 1 Sable

Red gut – 1

Trauma - 1

Northern Cape

Kimberley

Suspected TB – 1 Buffalo

Monthly report on Livestock and Wildlife isolations for March 2016 from IDEXX Laboratories supplied by dr. Marijke Henton (marijke-henton@idexxa.net)

Respiratory disease of feedlot cattle yielded *Mannheimia haemolytica* [4], *Pasteurella multocida* [3], *Mycoplasma* [2] and one each of *Mannheimia* biotype 9, *Mannheimia* biotype 10, *Histophilus somni* and *Trueperella pyogenes*. Enteritis in calves yielded 6 cases of colibacillosis, one of which was an ESBL [Extended Spectrum Beta Lactamase] producer, which means that none of the penicillins nor

any of the cephalosporins would be effective when used for treatment. *Trueperella pyogenes* was isolated from a case of a persistent uterine discharge in a cow.

Both *Pasteurella multocida* and *Actinobacillus pleuropneumoniae* were isolated from pigs with pneumonia.

Respiratory disease in a horse yielded both *Actinobacillus equuli* and *Pseudomonas aeruginosa*., and another horse showing a nasal discharge yielded *Streptococcus dysgalactiae [equisimilis]*.

Both *Trueperella pyogenes* and *Corynebacterium striatum* were isolated from abscessation in a roan. Conjunctivitis in a nyala yielded *Moraxella bovoculi* and *Corynebacterium striatum*. Although *Moraxella bovis* is the most common cause of Infectious Bovine Keratoconjunctivitis, *Moraxella bovoculi* has also been associated with IBK. *Corynebacterium striatum* acts as an opportunist in animals and man. A leopard cub showing enteritis yielded *E. coli*.

M M Henton

Monthly report on Livestock and Wildlife isolations for March 2016 from IDEXX Laboratories supplied by dr. Liza du Plessis (Liza-DuPlessis@idexx.com)

Condition	Comments and Specie
Intestinal roundworms	C 1
Heartwater	C 1
Campylobacter abortion	O 1
Abortion	B 1, G 1
Lungs	P 1
Ophthalmia	C 1

Feedlot report received from Dr. Shaun Morris and Dr. Eben du Preez for March 2016 (edupreez1@telkomsa.net)

Sheep feedlots

General conditions occurring:

Enteritis

Pulpy kidney

Blood gut

Injuries – mostly weak animals during transport.

Mal adaptation – especially lighter calves

Pneumonia

Severe wireworm infestation

Coccidiosis

Few *Salmonella* infections

Blue tongue caused a few morbidities and deaths.

Foot rot in wet kraals

Prolapses and urolithiasis (bladder stones)

Cattle feed lots

Morbidities rose after change in weather patterns

Increase in pneumonia cases

Numeous anaplasmosis cases

Heartwater and red water cases

At abattoirs the following were seen: measles, liver fluke, pneumonia, enteritis, pericarditis and liver abscesses.

Foot rot

Arthritis

Vitamien B1 deficiency causing nervous signs

Acidosis and red gut

Warts and ringworm

A case of dermatoparaxis (loosening of the skin) was seen in a Drakensberger

Feedlot report received from Dr. Andy Hentzen for March 2016
(andyvet@mweb.co.za)

Condition	Comments and Specie
Blue ticks	B 3
Brown ear-ticks	B 3
Bont-legged ticks	B 2
Red-legged ticks	B 3
Nuisance flies	B 3
Blowflies	B 1
Midges	B 3
African red water	B 3
Asiatic red water	B 3
Anaplasmosis	B 3
Three day stiff sickness	B 1
Blackleg	B 1

Red gut	B 3
Pulpy kidney	O 1
Ringworm	B 3
Leptospirosis	B 1
BVD	B 3
IBR	B 3
Warts	B 3
Water contamination	B 3
Protein deficiency	B 3
Energy deficiency	B 3
Phosphate deficiency	B 2
Copper deficiency	B 2
Zinc deficiency	B 2
Selenium deficiency	B 2
Vitamin A deficiency	B 2
Combination of trace mineral deficiencies	B 3
Retained afterbirths	B 2
Lameness	B 3
Lungs	B 3
Diarrhoea	B 3
Ophthalmia	B 3
Abscesses	B,C 3

**Monthly report for March 2016 from Dr R D Last (BVSc; M.Med.Vet(Path); MRCVS)
Specialist Veterinary Pathologist, Vetdiagnostix - Veterinary Pathology Services**

Contributors

Mr Butch Bosch
Ms Ntando Magoso
Mrs Beverley Williams
Ms Nicole Gengan
Dr Rick Last

LIVESTOCK DISEASE SURVEILANCE			
LIVESTOCK SPECIES	DISEASE AGENT	NO. CASES	LOCATION
Bovine, Holstein Cow	Suspected stephanofilariasis	1	Humansdorp, E.Cape
Bovine, Aborted Fetus	Neospora	1	Howick, KZN

LIVESTOCK DISEASE SURVEILANCE			
LIVESTOCK SPECIES	DISEASE AGENT	NO. CASES	LOCATION
Sable, Antelope	Infectious hepatitis and in-utero growth retardation	1	Phalaborwa,

Fetus			Mpumalanga
African Penguin	Candidiasis	1	Durban, KZN
Sable Antelope, Adult	Fatty liver - negative energy balance state	1	Grahamstown, E.Cape
Sable Antelope, Calf	<i>Chlamydophila pecorum</i>	1	Modimole, Limpopo

Monthly report for March 2016 from Dr. Lucy Lange: PathCare Vetlab

(lange@pathcare.co.za)

Disease condition	Animal specie	District	Comment
<i>Pneumonia/Pasteurella</i>	Cattle	Free State/Eastern Cape	
<i>Campylobacter</i>	Cattle	Country wide	Confirmed with PCR
<i>Trichostrongylus axei</i>	Cattle	Country wide	Confirmed with PCR
<i>Cryptosporidium</i>	Cattle	Boland	
Cardiomyopathy	Cattle	North Western Cape	
Ketosis	Cattle	Boland	
Liver necrosis	Cattle	Eastern Cape	
Proud flesh	Horses	Eastern Cape	
Sarcoid	Horses	Country wide	
Pneumonia	Horses	Boland	
Thrombosis of navel cord	Horses	Western Cape	
Septicemia	Sheep	Free State	
Purulent enteritis	Sheep	Free State	
Nekrotic placentitis	Sheep	Eastern Cape	
<i>Pasteurella pneumonia</i>	Sheep		
Liver necrosis (plants)	Sheep	North West	
Bacterial pneumonia	Boer Goats	Western Cape	
Game:			
Muscle necrosis / Capture myopathy	Nyala, Sable, Bontebok Blesbok	Namibia/Western Cape	
Steatitis	Lion	Free State	
Foreign body pneumonia	Sable	Kimberley	
Necrotic enteritis	Sable	Kimberley	
Abomasal ulcers	Nyala	Namibia	
Fungal pneumonia	Aardvark	Namibia	
Bacterial hepatitis	Black wildebeest	Namibia	
Hepatotoxicosis	Impala	Western Cape	
Capture myopathy	Bontebok	Western Cape	
Pox virus	Turkey	Eastern Cape	

There were many more histological samples received from game in comparison to samples received from production animals. Brucellosis still a huge problem.

Monthly report for March 2016 from Queenstown Provincial Veterinary Laboratory as supplied by Dr. A.D. Fisher (alan.fisher@drdar.gov.za)

Condition	Area	Comments and Specie
Intestinal roundworms		B, O, C 3
Resistant roundworms		O 3 (moxidectin, derquantel)
Asiatic red water	Queenstown	B 3

Anaplasmosis		B 1
Hartwater	East London	C 2
Blue tongue	Sterkstroom, Cofimvaba	O 3
Pulpy kidney		O 2
Rabies	Libode Mthatha Port St Johns Willowvale Ngcobo	Canine 3 cases Canine 2 cases Canine 1 case Canine 1 case Bovine 1 case
Lameness	Cathcart	O 1
Eye problem		C 1

B – bovine; O – ovine; C – caprine; P – pigs; G – game

1 = one case; 2 = 2 to 9 cases; 3 = more than 10 cases

Monthly report for March 2016 from Deltamune laboratory Oudtshoorn as supplied by Dr. Mark Chimes (mark@deltamune.co.za)

Disease condition	Specie
Mastitis – All over RSA	B 3
Trichomonosis – Queenstown	B 2
Vibriosis – Queenstown	B2

B – bovine; 2 = 2 to 9 cases; 3 = more than 10 cases

**Wildlife Pathology Research Programme – National Zoological Gardens.
Information supplied by Dr. Emily Lane (Emily@nzg.ac.za)
31 st January 2016 to 22 nd March 2016**

**WILDLIFE PATHOLOGY RESEARCH PROGRAMME
NATIONAL ZOOLOGICAL GARDENS
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The National Zoological Gardens of South Africa is a proud facility of the National Research Foundation Member of the World Association of Zoos and Aquariums (WAZA) Pan-African Association of Zoological Gardens. Aquaria and Botanic Gardens (PAAZAB)

DAFF Import/Export Policy Unit Subdirectorate

Monthly report: Cases sent to referring veterinarians between 31 st January 2016 to 22nd March 2016. Cases from State vet Skukuza or Orpen Cases imported with master permit and CITES permits (none)

PMDate	Species	Final	PM No
04-Jan-16	Eastern White Pelican	Pyelonephritis	16Z001
05-Jan-16	Leopard tortoise	None possible (autolysis)	16Z002
05-Jan-16	Blue Crane	Complications of foot amputation and foreign body ventriculitis	16Z003
07-Jan-16	Addra gazelle	Suspected complications of severe weight loss	16Z004
07-Jan-16	Black and white ruffed Lemur	Iron storage disease, chronic kidney disease	16Z005
09-Jan-16	Cheetah	Salmonella pleuritis (reported to State Vet)	16Z006
11-Jan-16	Snouted Cobra	Suspected viral pneumonia	16Z007
12-Jan-16	Cheetah	Septicaemia post orthopaedic surgery	16Z008
13-Jan-16	Leopard	Cranium malformation	16Z009
15-Jan-16	Brown hyaena	Canine distemper virus infection	16Z010
15-Jan-16	Cheetah	Renal fibrosis, hepatic amyloidosis, oxalate nephrosis	16Z011
20-Jan-16	Ring tailed Lemur	Suspected bacterial pleuritis	16Z012
20-Jan-16	Black eared Marmoset	Cardiomyopathy	16Z013
21-Jan-16	Lion	Fibromatous periodontal ligament epulis	16Z014B
28-Jan-16	Axolotl	Bacterial enteritis	16Z015
28-Jan-16	Civet	Result pending Rabies/canine distemper tests	16Z016
28-Jan-16	African Wild Dog	None possible (autolysis)	16Z017
28-Jan-16	Impala	Oral foreign body	16Z018
28-Jan-16	Leopard	None possible (autolysis)	16Z019
28-Jan-16	Impala	Pulmonary mineralisation	16Z020

DISEASE DISTRIBUTION REPORT AS REPORTED BY VETERINARIANS

Table of Contents

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

	lice , Sucking lice (blue lice) , Scab mites , Mange Mites , Nuisance Flies , Blowflies , Screw-worm , Nasal bot larvae , Midges , Mosquitoes , Other , Itch mite
Tick-borne Diseases	African red water , Asiatic red water , Anaplasmosis , Heartwater , Sweating Sickness , Corridor disease
Insect Transmittable Diseases	Lumpy skin disease , Three-day-stiffsickness , Blue tongue , Nagana
Venereal Diseases	Trichomonosis , Vibriosis , Pizzle disease
Bacterial Disease (other)	Blackquarter , Botulism , Pulpy Kidney , Lamb dysentery , Swelled head disease , Redgut (cattle) , Blood gut (Sheep) , Tetanus , Salmonellosis , Brucella abortus , Brucella ovis , Johne`s disease , Pseudomonas , Septicaemia , E. coli , Enzootic Abortion , Bovine Dermatophilosis (Senkobo disease) , Fusibacterium necrophorum , Listeriosis
Protozoal diseases (other)	Coccidiosis
Fungal diseases	Ringworm
Viral Diseases (other)	BMC , Rabies , BVD (Bovine viral diarrhoea) , IBR (Infectious bovine rhinotracheitis) , PI3 , Enzootic Bovine Leucosis (EBL) , Orf , Warts
Poisonings (Plant) and Fungal	Cardiac glycoside poisoning , Cestrum , Cotula nigellifolia (Stagger wood) , Cynanchum poisoning , Facial eczema , Geeldikkop/Dikoor , Gifblaar , Gousiekte , Lantana , Nitrate poisoning , Prussic acid poisoning , Seneciosis , Tulip Poisoning , Vermeersiekte (Gaigeria spp.) , Mycotoxicosis , Other
Poisonings	Urea Poisoning , Snake Bite , Hypo , Copper Poisoning
Macro Nutritional Problems	Energy deficiency , Protein deficiency , Phosphate deficiency , Calcium deficiency
Micro Nutritional Problems	Copper deficiency , Zinc deficiency , Selenium deficiency , Magnesium deficiency , Vitamin A deficiency
Multi-factorial Disease Conditions	Abortions , Stillbirths , Abscesses , Abscesses in general , Bladder stones , Blindness , Bloat , Blood gut (sheep and goat) , Blue udder , Diarrhoea , Eye Cancer , Eye infections , Joint Ill , Lameness/Foot Problems , Lung infection , Mastitis in general , Navel Ill , Redgut (Sheep) , Trauma , Downer , Other
Metabolic Diseases	Acidosis , Displaced abomasum , Ketosis , Milk Fever
Reproductive diseases	Dystocia (Difficult Births) , Endometritis , Metritis , Poor conception , Retained afterbirth , Sheath Prolaps , Uterus prolaps , Vaginal (Cervical) prolaps
Climatical Cause	Cold exposure , Drought , Heat stress , Lightning , Frozen to death
Residues	Drug residues
Non specific diseases	Cause of death not established , Preditors , Sabotation - Theft , Trauma

Internal Parasites

Roundworms in general

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.3 (7)	2.7 (3)	2.3 (3)	2.3 (4)	2.1 (15)	2.0 (11)	2.1 (10)	1.9 (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	2.5 (2)				1.0 (1)	1.0 (1)		3.0 (1)	
Dairy								3.0 (1)	
Sheep	2.3 (3)	3.0 (2)	2.5 (2)	2.0 (3)	2.2 (13)	2.1 (7)	2.2 (6)	1.7 (6)	
Goat	2.0 (2)	2.0 (1)	2.0 (1)	3.0 (1)	2.0 (1)	2.0 (3)	2.0 (4)	1.0 (1)	

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 2, Sheep: 2

Middelburg, Middelburg Dierehospitaal

Goat: 2

Standerton, Econovet

Beef: 3, Sheep: 3

Standerton, Standerton Dierehospitaal

Sheep: 2, Goat: 2

Gauteng

Bronkhorstspuit, Kerkstraat Dierekliniek

Sheep: 3, Goat: 2

Pretoria, Anima Veterinary Consulting Rooms

Sheep: 3

Limpopo

Mokopane, Dr Henk Visser

Sheep: 2, Goat: 2

Polokwane, Pietersburg Veterinary Clinic

Sheep: 3

North West

Klerksdorp, Buffeldoorn Dierehospitaal

Goat: 3

Klerksdorp, Klerksdorp Dierehospitaal

Sheep: 2

Lichtenburg, Silver Cross veterinary Herd Health

Sheep: 3

Ventersdorp, Buffelsvlei Dierekliniek

Sheep: 1

Free State

Bloemfontein, Dr Stephan Wessels

Sheep: 3

Bultfontein, Greylingrust Dieresprekkamer

Sheep: 1

Clocolan, Clocolan Dierekliniek

Sheep: 2

Ficksburg, Oos Vrystaat Dier Produkte

Sheep: 2, Goat: 2

Frankfort, Frankfort Dierekliniek

Sheep: 2

Harrismith, Harrismith Dierehospitaal

Beef: 1, Sheep: 3

Hoopstad, Hoopstad Dierekliniek

Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Sheep: 2

Ladybrand, Ladybrand / Excelsior Dierekliniek

Sheep: 1

Memel, Memel Veterinary Clinic

Sheep: 1

Trompsburg, Dr. Wyn Irwin

Sheep: 2

Viljoenskroon, Viljoenskroon Dierekliniek

Sheep: 3

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 3

Kwazulu-Natal

Bergville, Tugela Vet Clinic

Sheep: 3, Goat: 3

Estcourt, Estcourt Vet Clinic

Goat: 2

Kokstad, E.G.Veterinary Services

Sheep: 2

Diarrhoea

Mooi River, Mooirivier Vet Clinic

Sheep: 2

Mtubatuba, Mtubatuba Animal Clinic

Beef: 1, Goat: 1

Newcastle, Ncanduvet Newcastle

Sheep: 1

Ulundi, Dr. Ben Muller CCS Vet

Sheep: 3

Underberg, Underberg Veterinary Surgery

Sheep: 2

Vryheid, Dr GH Theron

Sheep: 2

Eastern Cape

Aliwal North, Hertzogbrug Dierekliniek

Sheep: 3

Cradock, Cradock Veterinary Clinic

Sheep: 1

Long-necked bankruptworm (*Nematodirus*) eggs in egg count

Goat: 2

Angora kids with diarrhoea

Graaff-Reinet, Camdeboo Veterinary Clinic

Goat: 2

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Sheep: 2, Goat: 2

Middelburg (EC), Steynsburg Dierehospitaal

Sheep: 3

Queenstown, Queenstown Veterinary clinic

Sheep: 2

Somerset East, Bosberg Veterinary Clinic

Sheep: 2, Goat: 2

Western Cape

Beaufort West, Beaufort West State Vet

Sheep: 1

Haemonchus, Nematodirus & Teladorsagia

George, George Animal Hospital

Beef: 3, Dairy: 3, Sheep: 3

Heidelberg (WC), Heidelberg Dierekliniek

Sheep: 2

Oudtshoorn, Oudtshoorn Dierekliniek

Sheep: 1, Goat: 1

Riversdale, Riversdal Dierekliniek

Sheep: 2

Swellendam, Swellendam Dierehospitaal

Sheep: 1

Resistant Round Worms

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

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

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

Mpumalanga

Nelspruit, Nelspruit Animal Hospital

Sheep: 1

Gauteng

Pretoria, Anima Veterinary Consulting Rooms

Sheep: 3

North West

Christiana, Christiana Dierehospitaal

Sheep: 2

Klerksdorp, Buffeldoorn Dierehospitaal

Goat: 3

Several 4 month old kids died - levamisole ineffective, organophosphate better effect

Lichtenburg, Silver Cross veterinary Herd Health

Sheep: 1

Free State

Bloemfontein, Dr Stephan Wessels

Sheep: 3

Harrismith, Harrismith Dierehospitaal

Sheep: 3

Hoopstad, Hoopstad Dierekliniek

Sheep: 3

Kwazulu-Natal

Bergville, Tugela Vet Clinic

Sheep: 1

Eastern Cape

Aliwal North, Hertzogbrug Dierekliniek

Sheep: 2

Graaff-Reinet, Camdeboo Veterinary Clinic

Goat: 2

Western Cape

Beaufort West, Beaufort West State Vet

Sheep: 1

Severe wireworm resistance

Caledon, Overberg Veterinary Hospital

Sheep: 1

George, George Animal Hospital

Sheep: 3

Wireworm									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.7 (3)	2.5 (2)			2.3 (7)	2.2 (6)	2.0 (2)	2.0 (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	2.0 (2)	3.0 (1)			2.3 (7)	2.5 (4)	2.0 (1)	2.0 (4)	3.0 (1)
Goat	1.0 (1)	2.0 (1)				1.5 (2)	2.0 (1)		

Mpumalanga

Grootvlei, Grootvlei Dierekliniek

Sheep: 2

Nelspruit, Nelspruit Animal Hospital

Goat: 1

Piet Retief, Pets Vet Hospital

Sheep: 2

Gauteng

Bronkhorstspuit, Kerkstraat Dierekliniek

Sheep: 3, Goat: 2

Free State

Ficksburg, Oos Vrystaat Diere Produkte

Sheep: 2

Frankfort, Frankfort Dierekliniek

Sheep: 2

Harrismith, Harrismith Dierehospitaal

Sheep: 3

Hoopstad, Hoopstad Dierekliniek

Sheep: 3

Reitz, Riemland Dierekliniek

Sheep: 2

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 3

Wesselsbron, Wesselsbron Dierekliniek

Sheep: 1

Kwazulu-Natal

Dundee, Endumeni Herd health

Sheep: 2, Goat: 1

Estcourt, Estcourt Vet Clinic

Goat: 2

Kokstad, E.G.Veterinary Services

Sheep: 3

Mooi River, Mooirivier Vet Clinic

Sheep: 2

Ulundi, Dr. Ben Muller CCS Vet

Sheep: 3

In the mistbelt of the Babanango area many farmers are complaining of deaths due to wireworm (confirmed) and one farmer dosed animals and lost about 15 due to pulpy kidney (lab confirmed). Have started trying to convince

the locals to vaccinate for pulpy kidney. Major problem is that with the current “green flush” and resultant “green, wet dung” which the locals interpret as worm induced diarrhoea, they all want to deworm all their animals.

Eastern Cape

Cradock, Cradock Veterinary Clinic

Sheep: 2

Graaff-Reinet, Camdeboo Veterinary Clinic

Goat: 2

Western Cape

Beaufort West, Beaufort West State Vet

Sheep: 2

Darling, Darling Dierekliniek

Sheep: 2

Few cases in vlei areas

Heidelberg (WC), Heidelberg Dierekliniek

Sheep: 2

Plettenberg Bay, Plettenberg Bay A Reitz

Sheep: 2

Northern Cape

Colesburg, Karoo Veterinary Hospital

Sheep: 3

Brown stomach-worm [^](#)

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

Sheep								2.3 (3)	
Goat							2.0 (1)		

Eastern Cape

Graaff-Reinet, Camdeboo Veterinary Clinic

Goat: 2

Western Cape

Beaufort West, Beaufort West State Vet

Sheep: 1

George, George Animal Hospital

Sheep: 3

Malmesbury, Bergzicht Dierehospitaal

Sheep: 3

Eye worm (*Thelazia rhodesi*) [^](#)

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

Beef					1.0 (1)				
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Free State

Ficksburg, Oos Vrystaat Diere Produkte

Beef: 1

Tape Worms									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.8 (5)	1.5 (2)		1.5 (2)	2.0 (5)	2.0 (5)	1.5 (2)		

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

Beef	2.0 (1)				1.0 (1)	2.0 (3)			
Sheep	1.7 (3)	2.0 (1)		1.5 (2)	2.3 (4)	2.0 (2)	2.0 (1)		
Goat	2.0 (1)	1.0 (1)					1.0 (1)		

Mpumalanga

Balfour, Balfour Dierekliniek

Sheep: 1

Delmas, Dr Johan Jooste

Sheep: 2

Nelspruit, Nelspruit Animal Hospital

Goat: 2

Standerton, Econovet

Beef: 2, Sheep: 2

Gauteng

Bronkhorstspuit, Kerkstraat Dierekliniek

Sheep: 2, Goat: 1

North West

Klerksdorp, Klerksdorp Dierehospitaal

Sheep: 2

Lichtenburg, Silver Cross veterinary Herd Health

Sheep: 1

Free State

Bloemfontein, Dr Stephan Wessels

Sheep: 2

Clocolan, Clocolan Dierekliniek

Sheep: 3

Reitz, Riemland Dierekliniek

Sheep: 3

Trompsburg, Dr. Wyn Irwin

Sheep: 1

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 1

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Pietermaritzburg, Richmond Veterinay Clinic

Beef: 2

Underberg, Underberg Veterinary Surgery

Beef: 2, Sheep: 2

Vryheid, Dr GH Theron

Sheep: 2

Eastern Cape

Graaff-Reinet, Camdeboo Veterinary Clinic

Goat: 1

Queenstown, Queenstown Veterinary clinic

Sheep: 2

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

Gauteng**Bronkhorstspuit, Kerkstraat Dierekliniek**

Beef: 1

Limpopo**Mokopane, Dr Henk Visser**

Beef: 1

Polokwane, Pietersburg Veterinary Clinic

Beef: 1

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

Beef: 2

Ulundi, Dr. Ben Muller CCS Vet

Beef: 2

Vryheid, Dr GH Theron

Beef: 2

Liver fluke									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)				2.1 (8)	2.0 (5)	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	1.0 (1)				2.3 (3)	2.0 (4)			
Dairy					1.0 (1)	2.0 (1)		1.5 (2)	
Sheep					2.3 (4)		1.0 (1)	3.0 (1)	

Mpumalanga**Balfour, Balfour Dierekliniek**

Beef: 1

Free State**Clocolan, Clocolan Dierekliniek**

Beef: 3, Sheep: 3

Ficksburg, Oos Vrystaat Diere Produkte

Beef: 2, Dairy: 1

Harrismith, Harrismith Dierehospitaal

Beef: 2, Sheep: 2

Reitz, Riemland Dierekliniek

Sheep: 2

Vrede, Vrede Dierehospitaal

Sheep: 2

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 1

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2

Pietermaritzburg, Richmond Veterinay Clinic

Beef: 3

Underberg, Underberg Veterinary Surgery

Beef: 2, Dairy: 2

Eastern Cape

Queenstown, Queenstown Veterinary clinic

Sheep: 1

Western Cape

George, George Animal Hospital

Sheep: 3

Heidelberg (WC), Heidelberg Dierekliniek

Dairy: 2

Oudtshoorn, Deltamune

Dairy: 1

Farmer tests milk weekly for antibodies

Conical Flukes

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (2)			1.0 (1)	2.0 (4)	2.7 (3)	2.0 (2)	1.5 (2)	

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

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

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1

Standerton, Econovet

Beef: 1

North West

Lichtenburg, Dr CM Kruger-Rall

Beef: 1

Free State

Harrismith, Harrismith Dierehospitaal

Beef: 2, Sheep: 2

Parys, Parys Dierehospitaal

Beef: 2

Winburg, Winburg Dierekliniek

Beef: 2

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Underberg, Underberg Veterinary Surgery

Beef: 3, Dairy: 3

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

Beef: 2, Sheep: 2

Western Cape**Ceres, Ceres Veterinary Hospital**

Beef: 2

Swellendam, Swellendam Dierehospitaal

Beef: 1

Cysticercosis

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

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

Beef	3.0 (1)				1.0 (2)	3.0 (1)			
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Mpumalanga**Nelspruit, Nelspruit Animal Hospital**

Beef: 3

Free State**Reitz, Riemland Dierekliniek**

Beef: 1

Wesselsbron, Wesselsbron Dierekliniek

Beef: 1

Kwazulu-Natal**Pietermaritzburg, Richmond Veterinay Clinic**

Beef: 3

External Parasites**Blue ticks**

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.6 (8)		3.0 (2)	2.7 (3)	2.4 (18)	2.7 (11)	2.3 (4)	2.5 (8)	

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

Beef	2.5 (6)		3.0 (2)	2.7 (3)	2.4 (14)	2.8 (9)	2.3 (3)	2.5 (2)	
Dairy	3.0 (1)				2.3 (3)	2.5 (2)	2.0 (1)	2.7 (3)	
Sheep	3.0 (1)				3.0 (1)			2.3 (3)	

Mpumalanga**Balfour, Balfour Dierekliniek**

Beef: 2

Delmas, Dr Johan Jooste

Dairy: 3

Ermelo, Môregloed Veterinêre Spreekkamer

Beef: 3

Middelburg , Middelburg Dierehospitaal

Beef: 2

Nelspruit, Nelspruit Animal Hospital

Beef: 2

Standerton, Econovet

Beef: 3

Standerton, Standerton Dierehospitaal

Beef: 3, Sheep: 3

Limpopo

Mokopane, Dr Henk Visser

Beef: 3

Polokwane, Pietersburg Veterinary Clinic

Beef: 3

North West

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 2

Lichtenburg, Dr CM Kruger-Rall

Beef: 3

Lichtenburg, Silver Cross veterinary Herd Health

Beef: 3

Free State

Bethlehem, Bethlehem Animal Hospital

Beef: 3

Bloemfontein, Dr Stephan Wessels

Beef: 2

Clocolan, Clocolan Dierekliniek

Beef: 3

Ficksburg, Oos Vrystaat Diere Produkte

Beef: 2, Dairy: 2

Frankfort, Frankfort Dierekliniek

Beef: 3

Harrismith, Harrismith Dierehospitaal

Beef: 2

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 3, Dairy: 3

Ladybrand, Ladybrand / Excelsior Dierekliniek

Beef: 2

Memel, Memel Veterinary Clinic

Beef: 2

Reitz, Riemland Dierekliniek

Beef: 2

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2

Vrede, Vrede Dierehospitaal

Beef: 2, Dairy: 2

Winburg, Winburg Dierekliniek

Beef: 3

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 3

Bergville, Tugela Vet Clinic

Beef: 3

Estcourt, Estcourt Vet Clinic

Beef: 2, Dairy: 2

Ingogo, Gen XY Stud Beef Consultancy

Beef: 3

Mooi River, Mooirivier Vet Clinic

Beef: 3

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2

Pietermaritzburg, Richmond Veterinay Clinic

Beef: 3

Underberg, Underberg Veterinary Surgery

Beef: 3

Annual explosion of ticks

Dairy: 3

Vryheid, Dr GH Theron

Beef: 3

Eastern Cape

Alexandria, Alexandria Platteland Spreekkamer

Dairy: 2

Aliwal North, Hertzogbrug Dierekliniek

Beef: 1

Queenstown, Queenstown Veterinary clinic

Beef: 3

Somerset East, Bosberg Veterinary Clinic

Beef: 3

Western Cape

Darling, Darling Dierekliniek

Dairy: 2

Seen after rains

George, George Animal Hospital

Beef: 3, Dairy: 3

Heidelberg (WC), Heidelberg Dierekliniek

Dairy: 3

Malmesbury, Dr Otto Kriek

Sheep: 1

Oudtshoorn, Ostrimed

Sheep: 3

Oudtshoorn, Oudtshoorn Dierekliniek

Beef: 2

Wellington, Wellington Dierehospitaal

Sheep: 3

Resistant blue Ticks



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

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

Beef	1.0 (1)					2.7 (3)			
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Mpumalanga

Nelspruit, Nelspruit Animal Hospital

Beef: 1

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Pietermaritzburg, Richmond Veterinay Clinic

Beef: 3

Ulundi, Dr. Ben Muller CCS Vet

Beef: 3

Heartwater (Bont) ticks

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.5 (2)	2.3 (3)	3.0 (6)	3.0 (3)		2.2 (13)	2.0 (1)		

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

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

Mpumalanga

Nelspruit, Nelspruit Animal Hospital

Beef: 3, Goat: 2

Gauteng

Bronkhorstspuit, Kerkstraat Dierekliniek

Beef: 1

Pretoria, Anima Veterinary Consulting Rooms

Beef: 3, Sheep: 3

Limpopo

Mokopane, Dr Henk Visser

Beef: 3, Sheep: 3, Goat: 3

Polokwane, Pietersburg Veterinary Clinic

Beef: 3, Sheep: 3, Goat: 3

North West

Stella, Stella Dierekliniek

Beef: 3, Sheep: 3, Goat: 3

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Dundee, Endumeni Herd health

Sheep: 2

Estcourt, Estcourt Vet Clinic

Beef: 3, Dairy: 2

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2, Goat: 2

Pietermaritzburg, Richmond Veterinay Clinic

Beef: 3

Pongola, Pongola Animal Clinic

Beef: 2, Sheep: 2, Goat: 2

Ulundi, Dr. Ben Muller CCS Vet

Beef: 3

Vryheid, Dr GH Theron

Sheep: 2, Goat: 2

Eastern Cape

Somerset East, Bosberg Veterinary Clinic

Beef: 2

Brown ear-ticks									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (3)	2.5 (2)	3.0 (4)			2.4 (9)		3.0 (2)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef	2.0 (3)	2.5 (2)	3.0 (2)			2.4 (9)		3.0 (1)	
Dairy								3.0 (1)	
Sheep			3.0 (1)						
Goat			3.0 (1)						
Mpumalanga									
Balfour, Balfour Dierekliniek									
Beef: 1									
Ermelo, Môregloed Veterinêre Spreekkamer									
Beef: 3									
Standerton, Econovet									
Beef: 2									
Gauteng									
Bronkhorstspuit, Kerkstraat Dierekliniek									
Beef: 2									
Pretoria, Anima Veterinary Consulting Rooms									
Beef: 3									
Limpopo									
Mokopane, Dr Henk Visser									
Beef: 3, Sheep: 3, Goat: 3									
Polokwane, Pietersburg Veterinary Clinic									
Beef: 3									
Kwazulu-Natal									
Bergville, Bergville Veterinary Clinic									
Beef: 3									
Bergville, Tugela Vet Clinic									
Beef: 3									
Dundee, Endumeni Herd health									
Beef: 3									
Estcourt, Estcourt Vet Clinic									
Beef: 2									
Mooi River, Mooirivier Vet Clinic									
Beef: 2									
Mtubatuba, Mtubatuba Animal Clinic									
Beef: 3									
Pietermaritzburg, Richmond Veterinay Clinic									
Beef: 2									
Pongola, Pongola Animal Clinic									
Beef: 1									
Ulundi, Dr. Ben Muller CCS Vet									
Beef: 3									
Western Cape									
George, George Animal Hospital									
Beef: 3, Dairy: 3									
Bont-legged ticks									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North	Free	Kwazulu-	Eastern	Western	Northern

				West	State	Natal	Cape	Cape	Cape
Average	2.3 (3)	2.0 (1)	2.5 (4)	2.6 (5)	2.4 (16)	2.3 (3)	3.0 (2)	1.7 (3)	

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

Beef	2.0 (2)	2.0 (1)	2.3 (3)	2.8 (4)	2.3 (11)	2.3 (3)	3.0 (1)	1.0 (1)	
Dairy					3.0 (1)				
Sheep	3.0 (1)		3.0 (1)	2.0 (1)	2.8 (4)		3.0 (1)	2.0 (2)	

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1

Standerton, Standerton Dierehospitaal

Beef: 3, Sheep: 3

Gauteng

Bronkhorstspuit, Kerkstraat Dierekliniek

Beef: 2

Limpopo

Modimolle, Kranskop Dierekliniek

Beef: 3

Mokopane, Dr Henk Visser

Beef: 1

Polokwane, Pietersburg Veterinary Clinic

Beef: 3, Sheep: 3

North West

Christiana, Christiana Dierehospitaal

Beef: 3

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 2, Sheep: 2

Leeudoringstad, Leeudoringstad Dierekliniek

Beef: 3

Lichtenburg, Silver Cross veterinary Herd Health

Beef: 3

Free State

Clocolan, Clocolan Dierekliniek

Beef: 3

Dewetsdorp, Platkop Dierekliniek

Beef: 2, Sheep: 2

Ficksburg, Oos Vrystaat Diere Produkte

Beef: 1

Frankfort, Frankfort Dierekliniek

Beef: 3

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 3, Dairy: 3, Sheep: 3

Ladybrand, Ladybrand / Excelsior Dierekliniek

Beef: 1

Trompsburg, Dr. Wyn Irwin

Beef: 3, Sheep: 3

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 3

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2

Wesselsbron, Wesselsbron Dierekliniek

Beef: 1

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

Beef: 2

Pietermaritzburg, Richmond Veterinay Clinic

Beef: 2

Ulundi, Dr. Ben Muller CCS Vet

Beef: 3

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

Beef: 3, Sheep: 3

Western Cape**Oudtshoorn, Ostrimed**

Beef: 1, Sheep: 1

Wellington, Wellington Dierehospitaal

Sheep: 3

Red-legged ticks

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 (1)	2.6 (8)	2.5 (2)	2.0 (1)		

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

Beef	1.0 (1)		1.0 (1)	3.0 (1)	2.5 (4)	2.5 (2)	2.0 (1)		
Dairy					3.0 (1)				
Sheep			1.0 (1)		2.7 (3)				
Goat			1.0 (1)						

Mpumalanga**Balfour, Balfour Dierekliniek**

Beef: 1

Limpopo**Mokopane, Dr Henk Visser**

Beef: 1, Sheep: 1, Goat: 1

North West**Christiana, Christiana Dierehospitaal**

Beef: 3

Free State**Hoopstad, Hoopstad Dierekliniek**

Beef: 3, Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 3, Dairy: 3, Sheep: 3

Memel, Memel Veterinary Clinic

Beef: 2, Sheep: 2

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2

Kwazulu-Natal**Pietermaritzburg, Richmond Veterinay Clinic**

Beef: 2

Underberg, Underberg Veterinary Surgery

Beef: 3

Eastern Cape

Somerset East, Bosberg Veterinary Clinic

Beef: 2

Paralysis ticks

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

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

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

Free State

Memel, Memel Veterinary Clinic

Sheep: 2

Reitz, Riemland Dierekliniek

Beef: 1, Sheep: 2

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 2

Kwazulu-Natal

Underberg, Underberg Veterinary Surgery

Sheep: 1

Vryheid, Dr GH Theron

Sheep: 2

Eastern Cape

Graaff-Reinet, Camdeboo Veterinary Clinic

Sheep: 1

Middelburg (EC), Steynsburg Dierehospitaal

Sheep: 1

Biting lice (red lice)

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

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

Mpumalanga

Standerton, Econovet

Sheep: 1

Free State

Bethlehem, Freestate Bethlehem SV

Sheep: 1

Harrismith, Harrismith Dierehospitaal

Sheep: 1

Ladybrand, Ladybrand / Excelsior Dierekliniek

Sheep: 1

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

Beef: 1

Western Cape**Malmesbury, Malmesbury Dierehospitaal**

Beef: 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)	1.0 (1)			

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

Beef					3.0 (1)	1.0 (1)			
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Free State**Frankfort, Frankfort Dierekliniek**

Beef: 3

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

Beef: 1

Scab mites

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

Sheep	1.0 (1)				1.5 (2)	1.0 (1)	1.0 (1)		
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Mpumalanga**Standerton, Econovet**

Sheep: 1

Free State**Harrismith, Harrismith Dierehospitaal**

Sheep: 2

Winburg, Winburg Dierekliniek

Sheep: 1

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

Sheep: 1

Elliot

Eastern Cape

Cradock, Dr. Ilse Jenkinson CCS Vet

Sheep: 1

One positive farm - Hofmeyr

Mange Mites

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

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

Goat

1.0 (1)

Limpopo**Polokwane, Pietersburg Veterinary Clinic**

Goat: 1

Nuisance Flies

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

Mpumalanga**Delmas, Dr Johan Jooste**

Dairy: 3

Nelspruit, Nelspruit Animal Hospital

Beef: 3, Dairy: 2, Goat: 2

Standerton, Econovet

Beef: 3, Sheep: 3

Limpopo**Mokopane, Dr Henk Visser**

Beef: 3

Especially in kraals

Free State**Bloemfontein, Dr Stephan Wessels**

Beef: 2

Memel, Memel Veterinary Clinic

Beef: 3, Sheep: 3

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

Beef: 3

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2, Goat: 2

Underberg, Underberg Veterinary Surgery

Beef: 3, Dairy: 3, Sheep: 3

Eastern Cape

Alexandria, Alexandria Platteland Spreekkamer

Dairy: 2

Western Cape

Stellenbosch, Stellenbosch Animal Hospital

Dairy: 1

Swellendam, Swellendam Dierehospitaal

Dairy: 3

Blowflies

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

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

Beef			1.0 (1)						
Dairy	3.0 (1)								
Sheep	1.7 (3)		1.0 (1)		3.0 (3)	1.0 (1)			

Mpumalanga

Delmas, Dr Johan Jooste

Dairy: 3, Sheep: 3

Standerton, Econovet

Sheep: 1

Standerton, Standerton Dierehospitaal

Sheep: 1

Limpopo

Mokopane, Dr Henk Visser

Beef: 1, Sheep: 1

Free State

Frankfort, Frankfort Dierekliniek

Sheep: 3

Hoopstad, Hoopstad Dierekliniek

Sheep: 3

Trompsburg, Dr. Wyn Irwin

Sheep: 3

Kwazulu-Natal

Dundee, Endumeni Herd health

Sheep: 1

Screw-worm

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

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

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

Goat 3.0 (1)

Mpumalanga

Nelspruit, Nelspruit Animal Hospital

Beef: 2

Limpopo

Mokopane, Dr Henk Visser

Beef: 2, Sheep: 3, Goat: 3

Kwazulu-Natal

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2

Eastern Cape

Alexandria, Alexandria Platteland Spreekkamer

Beef: 1

Alexandria, Dr Thys (MJ) Potgieter

Beef: 2

Secondary to wounds caused by ticks

Somerset East, Bosberg Veterinary Clinic

Sheep: 1

Nasal bot larvae

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average		2.0 (1)			2.4 (7)	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 (1)			2.4 (7)	2.0 (1)			
Goat						2.0 (1)			

Gauteng

Bronkhorstspuit, Kerkstraat Dierekliniek

Sheep: 2

Free State

Clocolan, Clocolan Dierekliniek

Sheep: 3

Ficksburg, Oos Vrystaat Diere Produkte

Sheep: 2

Ladybrand, Ladybrand / Excelsior Dierekliniek

Sheep: 3

Reitz, Riemland Dierekliniek

Sheep: 3

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 2

Vrede, Vrede Dierehospitaal

Sheep: 2

Wesselsbron, Wesselsbron Dierekliniek

Sheep: 2

Kwazulu-Natal

Mooi River, Mooirivier Vet Clinic

Sheep: 2

Mtubatuba, Mtubatuba Animal Clinic

Goat: 2

Midges

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

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

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

Mpumalanga

Balfour, Balfour Diereklíníek

Beef: 1, Sheep: 1

Delmas, Dr Johan Jooste

Beef: 3, Sheep: 3

Limpopo

Mokopane, Dr Henk Visser

Beef: 3

North West

Klerksdorp, Klerksdorp Dierehospitaal

Sheep: 3

Free State

Frankfort, Frankfort Diereklíníek

Beef: 3

Memel, Memel Veterinary Clinic

Beef: 2, Sheep: 2

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 3

Eastern Cape

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Beef: 2, Sheep: 2

Western Cape

Malmesbury, Malmesbury Dierehospitaal

Sheep: 1

Mosquitoes

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					2.0 (2)	3.0 (1)			
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Free State

Bultfontein, Greylingrust Dieresprekkamer

Beef: 1

Frankfort, Frankfort Diereklíníek

Beef: 3

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

Beef: 3

Other

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

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)

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

Goat: 1

Gedoesitia (Uitpeuloog)**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)

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

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	2.1 (7)		2.0 (2)	1.0 (1)	2.3 (10)	2.4 (13)	2.3 (3)	1.9 (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	2.2 (6)		2.0 (2)	1.0 (1)	2.3 (10)	2.4 (9)	2.0 (2)	1.6 (5)	
Dairy	2.0 (1)					2.3 (4)	3.0 (1)	2.3 (4)	

Mpumalanga**Bethal, Bethal Dierekliniek**

Beef: 1

Delmas, Dr Johan Jooste

Dairy: 2

Grootvlei, Grootvlei Dierekliniek

Beef: 2

Nelspruit, Nelspruit Animal Hospital

Beef: 1

Standerton, Econovet

Beef: 3

Standerton, Standerton Dierehospitaal

Beef: 3

Huge increase in blue tick numbers after late rains

Volksrust, Cape Cross Volksrust Dierehospitaal

Beef: 3

Limpopo**Makhado, Blouberg Dierekliniek**

Beef: 2

Mokopane, Dr Henk Visser

Beef: 2

North West**Klerksdorp, Klerksdorp Dierehospitaal**

Beef: 1

Free State**Clocolan, Clocolan Dierekliniek**

Beef: 3

Frankfort, Frankfort Dierekliniek

Beef: 3

Harrismith, Harrismith Dierehospitaal

Beef: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 1

Memel, Memel Veterinary Clinic

Beef: 3

Parys, Parys Dierehospitaal

Beef: 2

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 2

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 3

Vrede, Vrede Dierehospitaal

Beef: 2

Winburg, Winburg Dierekliniek

Beef: 1

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

Beef: 2

Bergville, Tugela Vet Clinic

Beef: 2

Camperdown, Camperdown Vet Clinic

Beef: 2

Dundee, Endumeni Herd health

Dairy: 1

Estcourt, Estcourt Vet Clinic

Beef: 2, Dairy: 2

Kokstad, E.G.Veterinary Services

Beef: 3

Mooi River, Mooirivier Vet Clinic

Beef: 3, Dairy: 3

Second outbreak, initially blocked with Berenil, failed to follow dipping program. Second outbreak blocked with Forray, failed to follow dipping program AGAIN despite advice.

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2

Pietermaritzburg, Richmond Veterinay Clinic

Beef: 3

Underberg, Underberg Veterinary Surgery

Beef: 3, Dairy: 3

Eastern Cape

Jeffreys Bay, Cape Cross Veterinary Hospital

Dairy: 3

Stutterheim, Stutterheim Veterinary Clinic

Beef: 3

Uitenhage, Uitenhage Dierehospitaal

Beef: 1

Western Cape

Caledon, Overberg Veterinary Hospital

Beef: 2

Ceres, Ceres Veterinary Hospital

Beef: 1

George, George Animal Hospital

Beef: 3, Dairy: 3

Heidelberg (WC), Heidelberg Dierekliniek

Dairy: 2

Malmesbury, Bergzicht Dierehospitaal

Beef: 1

Malmesbury, Malmesbury Dierehospitaal

Dairy: 1

Oudtshoorn, Oudtshoorn Dierekliniek

Beef: 1

Riversdale, Riversdal Dierekliniek

Dairy: 3

Asiatic red water

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.3 (7)	1.5 (2)	1.0 (1)		2.6 (5)	2.5 (13)	2.0 (2)	2.0 (6)	

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

Beef	2.3 (7)	1.5 (2)	1.0 (1)		2.6 (5)	2.5 (10)	2.0 (2)	2.0 (3)	
Dairy						2.7 (3)		2.0 (3)	

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 2

Bethal, Bethal Dierekliniek

Beef: 1

Ermelo, Môregloed Veterinêre Spreekkamer

Beef: 2

Middelburg, Middelburg Dierehospitaal

Beef: 3

Nelspruit, Nelspruit Animal Hospital

Beef: 2

Standerton, Econovet

Beef: 3

Standerton, Standerton Dierehospitaal

Beef: 3

Gauteng

Bronkhorstspuit, Kerkstraat Dierekliniek

Beef: 2

Nigel, Welgelegen Dierekliniek

Beef: 1

Limpopo

Makhado, Blouberg Dierekliniek

Beef: 1

Free State

Frankfort, Frankfort Dierekliniek

Beef: 3

Harrismith, Harrismith Dierehospitaal

Beef: 3

Reitz, Riemland Dierekliniek

Beef: 2

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 3

Vrede, Vrede Dierehospitaal

Beef: 2

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Bergville, Tugela Vet Clinic

Beef: 2

Dundee, Endumeni Herd health

Beef: 3, Dairy: 2

Estcourt, Estcourt Vet Clinic

Beef: 2, Dairy: 3

Greytown, Greytown Veterinary Hospital

Beef: 2

Seems that African red water is being replaced by Asiatic red water.

Kokstad, E.G.Veterinary Services

Beef: 3

Mooi River, Mooirivier Vet Clinic

Beef: 3

Pietermaritzburg, Richmond Veterinay Clinic

Beef: 2

Ulundi, Dr. Ben Muller CCS Vet

Beef: 3

Because of the language barrier, far distances and putrid carcasses at post mortem, it is difficult to ascertain cause of death. Some farmers say groups of animals die, in these cases I assume heartwater or Asiatic red waters as the cause (especially with the erratic rainfall we have had).

Underberg, Underberg Veterinary Surgery

Beef: 3, Dairy: 3

Eastern Cape

Port Alfred, Port Alfred Veterinary Clinic

Beef: 2

Three cases - Bathurst

Queenstown, Queenstown Veterinary clinic

Beef: 2

Most important disease

Western Cape

George, George Animal Hospital

Beef: 3, Dairy: 3

Heidelberg (WC), Heidelberg Dierekliniek

Dairy: 1

Oudtshoorn, Ostrimed

Beef: 2

Riversdale, Riversdal Dierekliniek

Dairy: 2

Stellenbosch, Stellenbosch Animal Hospital

Beef: 1

Anaplasmosis [^](#)

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (5)	1.0 (1)		2.2 (5)	2.0 (23)	2.2 (5)	2.7 (6)	1.8 (10)	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	1.8 (4)	1.0 (1)		2.2 (5)	2.1 (19)	2.3 (3)	2.7 (3)	1.4 (5)	1.0 (1)
Dairy	3.0 (1)				1.8 (4)	2.0 (2)	2.7 (3)	2.2 (5)	

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1

Bethal, Bethal Dierekliniek

Beef: 2

Grootvlei, Grootvlei Dierekliniek

Beef: 2

Nelspruit, Nelspruit Animal Hospital

Dairy: 3

Standerton, Econovet

Beef: 2

Gauteng

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 1

North West

Christiana, Christiana Dierehospitaal

Beef: 3

Leeudoringstad, Leeudoringstad Dierekliniek

Beef: 3

Heavy pregnant heifers. Phase D bull in good condition survived.

Magaliesburg, Magaliesburg; Dr Ryan Jeffrey

Beef: 2

Rustenburg, Protea Dierekliniek

Beef: 2

Ventersdorp, Buffelsvlei Dierekliniek

Beef: 1

Free State

Bethlehem, Bethlehem Animal Hospital

Beef: 2

Bethlehem, Freestate Bethlehem SV

Beef: 1

Bloemfontein, Dr Stephan Wessels

Beef: 1

Bothaville, Cape Cross Bothaville Veterinary Hospital

Beef: 1

Clocolan, Clocolan Dierekliniek

Beef: 3, Dairy: 2

Dewetsdorp, Platkop Dierekliniek

Beef: 1

Ficksburg, Oos Vrystaat Diere Produkte

Beef: 2, Dairy: 1

Frankfort, Frankfort Dierekliniek

Beef: 2

Harrismith, Harrismith Dierehospitaal

Beef: 3

Hertzogville, Hertzogville Dierekliniek

Beef: 1

Hoopstad, Hoopstad Dierekliniek

Beef: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 2

Ladybrand, Ladybrand / Excelsior Dierekliniek

Beef: 3

Memel, Memel Veterinary Clinic

Beef: 3

Reitz, Riemland Dierekliniek

Beef: 3, Dairy: 2

Trompsburg, Dr. Wyn Irwin

Beef: 2

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2

Vrede, Vrede Dierehospitaal

Beef: 2, Dairy: 2

Winburg, Winburg Dierekliniek

Beef: 3

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 3

Dundee, Endumeni Herd health

Dairy: 2

Estcourt, Estcourt Vet Clinic

Beef: 2

Underberg, Underberg Veterinary Surgery

Beef: 2, Dairy: 2

Eastern Cape

Alexandria, Alexandria Platteland Spreekkamer

Dairy: 2

Aliwal North, Hertzogbrug Dierekliniek

Beef: 3

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Beef: 2

Jeffreys Bay, Cape Cross Veterinary Hospital

Dairy: 3

Somerset East, Bosberg Veterinary Clinic

Beef: 3, Dairy: 3

Western Cape

George, George Animal Hospital

Beef: 3, Dairy: 3

Heidelberg (WC), Heidelberg Dierekliniek

Dairy: 2

Malmesbury, Bergzicht Dierehospitaal

Beef: 1

Malmesbury, Malmesbury Dierehospitaal

Dairy: 3

Oudtshoorn, Oudtshoorn Dierekliniek

Beef: 1

Plettenberg Bay, Plettenberg Bay A Reitz

Beef: 1

Riversdale, Riversdal Dierekliniek

Dairy: 2

Stellenbosch, Stellenbosch Animal Hospital

Beef: 1, Dairy: 1

Northern Cape**Kimberley, Legalvet Services**

Beef: 1

Heartwater

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (2)	1.5 (6)	2.3 (7)	2.3 (8)		1.9 (14)	2.1 (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	2.0 (1)	1.5 (2)	2.3 (4)	2.0 (5)		2.0 (6)	1.8 (4)		
Dairy						2.5 (2)	1.0 (1)		
Sheep		2.0 (2)	2.0 (1)	2.5 (2)		1.5 (2)	2.7 (3)		
Goat	2.0 (1)	1.0 (2)	2.5 (2)	3.0 (1)		1.5 (4)	3.0 (1)		

Mpumalanga**Nelspruit, Nelspruit Animal Hospital**

Beef: 2, Goat: 2

Gauteng**Bronkhorstspuit, Kerkstraat Dierekliniek**

Beef: 1, Goat: 1

Pretoria, Anima Veterinary Consulting Rooms

Sheep: 2

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 2, Sheep: 2, Goat: 1

Limpopo**Bela-Bela, Warmbad Dierekliniek**

Beef: 1

Makhado, Blouberg Dierekliniek

Beef: 3

15 cases

Mokopane, Dr Henk Visser

Beef: 3, Goat: 3

Polokwane, Pietersburg Veterinary Clinic

Beef: 2, Sheep: 2, Goat: 2

North West**Brits, Brits Dierekliniek**

Beef: 2, Sheep: 2

Leeudoringstad, Leeudoringstad Dierekliniek

Beef: 2

Adjacent to Vaal river, 5 cattle died.

Lichtenburg, Silver Cross veterinary Herd Health

Beef: 1

Rustenburg, Protea Dierekliniek

Beef: 2

Stella, Stella Dierekliniek

Beef: 3, Sheep: 3, Goat: 3

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

Beef: 2

Dundee, Endumeni Herd health

Beef: 1, Dairy: 2, Sheep: 1, Goat: 1

Estcourt, Estcourt Vet Clinic

Beef: 3, Dairy: 3

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2, Goat: 2

Pietermaritzburg, Richmond Veterinay Clinic

Beef: 2

Pongola, Pongola Animal Clinic

Goat: 1

Ulundi, Dr. Ben Muller CCS Vet

Beef: 2

Because of the language barrier, far distances and putrid carcasses to PM, it is difficult to ascertain cause of death. Some farmers say groups of animals die, in these cases I assume heartwater or Asiatic red water as the cause (especially with the erratic rainfall we have had).

Vryheid, Dr GH Theron

Sheep: 2, Goat: 2

Eastern Cape

Alexandria, Dr Thys (MJ) Potgieter

Sheep: 3

Bathurst, Dr Jane Pistorius

Goat: 3

Ten cases - one death

Humansdorp, Humansdorp Veterinary Clinic

Beef: 1

Jeffreys Bay, Cape Cross Veterinary Hospital

Dairy: 1

Port Alfred, Port Alfred Veterinary Clinic

Beef: 2

Four cases - Shaw Park

Sheep: 2

Three cases - Shaw Park

Somerset East, Bosberg Veterinary Clinic

Beef: 3, Sheep: 3

Uitenhage, Uitenhage Dierehospitaal

Beef: 1

Sweating Sickness

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

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

Beef			1.5 (2)	3.0 (2)	1.0 (2)				
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Limpopo

Makhado, Blouberg Dierekliniek

Beef: 2

4 cases

Polokwane, Pietersburg Veterinary Clinic

Beef: 1

North West

Christiana, Christiana Dierehospitaal

Beef: 3

Leeudoringstad, Leeudoringstad Dierekliniek

Beef: 3

Free State

Hertzogville, Hertzogville Dierekliniek

Beef: 1

Hoopstad, Hoopstad Dierekliniek

Beef: 1

Corridor disease

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

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

Beef

2.5 (2)

Kwazulu-Natal

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2

Pongola, Pongola Animal Clinic

Beef: 3

Disease endemic

Insect Transmittable Diseases

Lumpy skin disease

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.3 (3)	3.0 (1)	1.5 (2)	2.3 (4)	1.8 (10)	1.5 (2)			

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

Beef

2.3 (3)

3.0 (1)

1.5 (2)

2.0 (3)

1.8 (10)

1.5 (2)

Dairy

3.0 (1)

Mpumalanga

Grootvlei, Grootvlei Dierekliniek

Beef: 2

Middelburg, Middelburg Dierehospitaal

Beef: 2

Standerton, Econovet

Beef: 3

Gauteng

Bronkhorstspuit, Kerkstraat Dierekliniek

Beef: 3

Limpopo

Makhado, Blouberg Dierekliniek

Beef: 2

Polokwane, Pietersburg Veterinary Clinic

Beef: 1

North West

Brits, Brits Dierekliniek

Beef: 3, Dairy: 3

Christiana, Christiana Dierehospitaal

Beef: 1

Rustenburg, Protea Dierekliniek

Beef: 2

Free State**Bloemfontein, Dr Stephan Wessels**

Beef: 1

Ficksburg, Oos Vrystaat Diere Produkte

Beef: 1

Frankfort, Frankfort Dierekliniek

Beef: 3

Harrismith, Harrismith Dierehospitaal

Beef: 1

Kroonstad, Kroonstad Dierehospitaal

Beef: 2

Memel, Memel Veterinary Clinic

Beef: 1

Parys, Parys Dierehospitaal

Beef: 2

Reitz, Riemland Dierekliniek

Beef: 3

Vrede, Vrede Dierehospitaal

Beef: 2

Winburg, Winburg Dierekliniek

Beef: 2

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

Beef: 1

Ulundi, Dr. Ben Muller CCS Vet

Beef: 2

Three-day-stiffsickness

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.2 (5)	3.0 (1)		3.0 (3)	1.8 (12)	2.3 (3)	2.0 (1)		2.5 (2)

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

Beef	2.0 (4)	3.0 (1)		3.0 (3)	1.8 (11)	2.5 (2)			2.5 (2)
Dairy	3.0 (1)				2.0 (1)	2.0 (1)	2.0 (1)		

Mpumalanga**Balfour, Balfour Dierekliniek**

Beef: 1

Delmas, Dr Johan Jooste

Dairy: 3

Grootvlei, Grootvlei Dierekliniek

Beef: 1

Standerton, Standerton Dierehospitaal

Beef: 3

Volkstrust, Cape Cross Volkstrust Dierehospitaal

Beef: 3

Gauteng

Bronkhorstspuit, Kerkstraat Dierekliniek

Beef: 3

North West

Christiana, Christiana Dierehospitaal

Beef: 3

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 3

Leeudoringstad, Leeudoringstad Dierekliniek

Beef: 3

Farmers reporting three day stiff sickness

Free State

Bloemfontein, Dr Stephan Wessels

Beef: 2

Frankfort, Frankfort Dierekliniek

Beef: 3

Harrismith, Harrismith Dierehospitaal

Beef: 1

Hertzogville, Hertzogville Dierekliniek

Beef: 2

Memel, Memel Veterinary Clinic

Beef: 1

Phillipstown, Rowelsfontein veearts Spreekkamer

Beef: 3

In some herds up to 10% of cattle affected. They were not vaccinated.

Reitz, Riemland Dierekliniek

Beef: 2, Dairy: 2

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 1

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2

Vrede, Vrede Dierehospitaal

Beef: 2

Wesselsbron, Wesselsbron Dierekliniek

Beef: 1

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 3

Estcourt, Estcourt Vet Clinic

Beef: 2, Dairy: 2

Eastern Cape

Alexandria, Alexandria Platteland Spreekkamer

Dairy: 2

Northern Cape

Kimberley, Kimberley Dierekliniek

Beef: 3

Kimberley, Legalvet Services

Beef: 2

Blue tongue									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.1 (9)	2.5 (4)	2.0 (2)	2.2 (5)	2.1 (15)	2.0 (5)	2.0 (2)	2.5 (8)	2.0 (1)

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

reported										
Beef					1.0 (1)	3.0 (1)				
Sheep	2.1 (9)	2.5 (4)	2.0 (2)	2.2 (5)	2.2 (14)	1.8 (4)	2.0 (2)	2.5 (8)	2.0 (1)	

Mpumalanga

Balfour, Balfour Dierekliniek

Sheep: 1

Bethal, Bethal Dierekliniek

Sheep: 2

Delmas, Dr Johan Jooste

Sheep: 2

Ermelo, Môregloed Veterinêre Spreekkamer

Sheep: 2

Grootvlei, Grootvlei Dierekliniek

Sheep: 2

Middelburg, Middelburg Dierehospitaal

Sheep: 2

Standerton, Econovet

Sheep: 3

Standerton, Standerton Dierehospitaal

Sheep: 3

Herds affected were not vaccinated and large numbers of deaths occurred.

Volksrust, Cape Cross Volksrust Dierehospitaal

Sheep: 2

Gauteng

Bronkhorstspuit, Kerkstraat Dierekliniek

Sheep: 3

Muldersdrift, Muldersdrift Animal Hospital

Sheep: 2

Three different farms

Pretoria, Anima Veterinary Consulting Rooms

Sheep: 2

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Sheep: 3

Limpopo

Makhado, Blouberg Dierekliniek

Sheep: 3

Still to be confirmed

Polokwane, Pietersburg Veterinary Clinic

Sheep: 1

North West

Brits, Brits Dierekliniek

Sheep: 3

Christiana, Christiana Dierehospitaal

Sheep: 3

Klerksdorp, Klerksdorp Dierehospitaal

Sheep: 3

Lichtenburg, Dr CM Kruger-Rall

Sheep: 1

No vaccine available

Lichtenburg, Silver Cross veterinary Herd Health

Sheep: 1

Free State

Bloemfontein, Dr Stephan Wessels

Sheep: 2

Bothaville, Cape Cross Bothaville Veterinary Hospital

Sheep: 2

Ficksburg, Oos Vrystaat Diere Produkte

Sheep: 2

Frankfort, Frankfort Dierekliniek

Sheep: 3

Harrismith, Harrismith Dierehospitaal

Sheep: 1

Hoopstad, Hoopstad Dierekliniek

Sheep: 2

Kroonstad, Kroonstad Dierehospitaal

Sheep: 2

Ladybrand, Ladybrand / Excelsior Dierekliniek

Sheep: 2

Memel, Memel Veterinary Clinic

Sheep: 3

Parys, Parys Dierehospitaal

Sheep: 2

Reitz, Riemland Dierekliniek

Sheep: 2

Trompsburg, Dr. Wyn Irwin

Sheep: 2

Viljoenskroon, Viljoenskroon Dierekliniek

Sheep: 3

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 3

Winburg, Winburg Dierekliniek

Beef: 1

Kwazulu-Natal

Bergville, Tugela Vet Clinic

Sheep: 2

Dundee, Endumeni Herd health

Sheep: 1

Newcastle, Ncanduvet Newcastle

Sheep: 2

Underberg, Underberg Veterinary Surgery

Beef: 3

Vryheid, Dr GH Theron

Sheep: 2

Eastern Cape

Cradock, Cradock Veterinary Clinic

Sheep: 2

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Sheep: 2

Western Cape

Ceres, Ceres Veterinary Hospital

Sheep: 3

Darling, Darling Dierekliniek

Sheep: 2

Malmesbury, Bergzicht Dierehospitaal

Sheep: 3

Malmesbury, Malmesbury Dierehospitaal

Sheep: 3

Piketberg, Piketberg Dierehospitaal

Sheep: 3

Many cases, outbreak may occur up to May if cold weather keeps away. There were no cases in December and January.

Stellenbosch, Stellenbosch Animal Hospital

Sheep: 1

Vredenburg, Vredenburg Dierehospitaal

Sheep: 2

Wellington, Wellington Dierehospitaal

Sheep: 3

Northern Cape**Kimberley, Kimberley Dierkliniek**

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)

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	2.0 (4)	1.0 (2)	1.5 (2)	1.5 (2)	1.7 (6)	2.0 (1)	1.0 (1)	2.0 (1)	

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

Beef

2.0 (4)

1.0 (2)

1.5 (2)

1.5 (2)

1.7 (6)

2.0 (1)

1.0 (1)

2.0 (1)

Mpumalanga**Ermelo, Mōregloed Veterinêre Spreekkamer**

Beef: 2

Piet Retief, Pets Vet Hospital

Beef: 1

Standerton, Econovet

Beef: 2

New farm

Standerton, Standerton Dierehospitaal

Beef: 3

Gauteng**Bronkhorstspuit, Kerkstraat Dierkliniek**

Beef: 1

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 1

Limpopo**Makhado, Blouberg Dierkliniek**

Beef: 2

Mokopane, Dr Henk Visser

Beef: 1

North West**Lichtenburg, Silver Cross veterinary Herd Health**

Beef: 1

Stella, Stella Dierekliniek

Beef: 2

Free State**Bloemfontein, Dr Stephan Wessels**

Beef: 1

Dexter bull, new farm

Harrismith, Harrismith Dierehospitaal

Beef: 1

Hertzogville, Hertzogville Dierekliniek

Beef: 2

60% of bulls positive in a herd of 400 cattle

Hoopstad, Hoopstad Dierekliniek

Beef: 3

Parys, Parys Dierehospitaal

Beef: 2

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 1

Bought new bull

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

Beef: 2

Eastern Cape**Queenstown, Queenstown Veterinary clinic**

Beef: 1

One farm

Western Cape**Oudtshoorn, Deltamune**

Beef: 2

Samples sent in by Queenstown Vets

Vibriosis

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

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

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

North West**Leeudoringstad, Leeudoringstad Dierekliniek**

Beef: 2

Two positive bulls

Free State**Bloemfontein, Dr Stephan Wessels**

Beef: 1

Hertzogville, Hertzogville Dierekliniek

Beef: 1

Eastern Cape**Queenstown, Queenstown Veterinary clinic**

Beef: 1

One farm

Somerset East, Bosberg Veterinary Clinic

Beef: 2

Western Cape**Malmesbury, Malmesbury Dierehospitaal**

Dairy: 1

Oudtshoorn, Deltamune

Beef: 2

Samples submitted by Queenstown Vets

Pizzle disease

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

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

Sheep

1.0 (1)

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

Sheep: 1

Bacterial Disease (other)**Blackquarter**

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.7 (7)	2.0 (1)	3.0 (1)	2.0 (3)	2.2 (9)	2.0 (4)	1.5 (2)	1.0 (1)	3.0 (1)

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

Beef	1.6 (5)		3.0 (1)	2.0 (3)	2.3 (8)	2.5 (2)	1.5 (2)		3.0 (1)
Dairy					2.0 (1)	1.5 (2)		1.0 (1)	
Sheep	2.0 (2)	2.0 (1)							

Mpumalanga**Balfour, Balfour Dierekliniek**

Beef: 2

Grootvlei, Grootvlei Dierekliniek

Beef: 1

Standerton, Econovet

Beef: 3, Sheep: 3

Standerton, Standerton Dierehospitaal

Beef: 1

Occurred in non-vaccinated herds, calves and adult cattle affected.

Volksrust, Cape Cross Volksrust Dierehospitaal

Beef: 1, Sheep: 1

Gauteng**Pretoria, Anima Veterinary Consulting Rooms**

Sheep: 2

Limpopo**Polokwane, Pietersburg Veterinary Clinic**

Beef: 3

North West

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 1

Leeudoringstad, Leeudoringstad Dierekliniek

Beef: 3

Farmers do not administer booster injections.

Ventersdorp, Buffelsvlei Dierekliniek

Beef: 2

Free State

Bothaville, Cape Cross Bothaville Veterinary Hospital

Beef: 2

Clocolan, Clocolan Dierekliniek

Beef: 2

Harrismith, Harrismith Dierehospitaal

Beef: 2

Ladybrand, Ladybrand / Excelsior Dierekliniek

Beef: 2

Reitz, Riemland Dierekliniek

Beef: 2

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2

Vrede, Vrede Dierehospitaal

Beef: 3, Dairy: 2

Winburg, Winburg Dierekliniek

Beef: 3

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Dundee, Endumeni Herd health

Dairy: 1

Mooi River, Mooirivier Vet Clinic

Dairy: 2

Underberg, Underberg Veterinary Surgery

Beef: 3

Eastern Cape

Queenstown, Queenstown Veterinary clinic

Beef: 2

Somerset East, Bosberg Veterinary Clinic

Beef: 1

Western Cape

Malmesbury, Malmesbury Dierehospitaal

Dairy: 1

Northern Cape

Colesburg, Karoo Veterinary Hospital

Beef: 3

70 cattle died.

Botulism

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

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

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

Mpumalanga
Standerton, Standerton Dierehospitaal
Beef: 1
Limpopo
Bela-Bela, Warmbad Dierekliniek
Beef: 1
Mokopane, Dr Henk Visser
Beef: 2
North West
Lichtenburg, Silver Cross veterinary Herd Health
Beef: 2
Free State
Reitz, Riemland Dierekliniek
Sheep: 2
Kwazulu-Natal
Estcourt, Estcourt Vet Clinic
Goat: 2

Pulpy Kidney ^									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.3 (4)	2.0 (1)	2.0 (1)	1.0 (1)	1.8 (12)	2.0 (2)	1.7 (3)	1.0 (1)	2.0 (2)

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

Sheep	1.3 (4)	2.0 (1)	2.0 (1)	1.0 (1)	1.8 (12)	2.0 (2)	1.7 (3)	1.0 (1)	2.0 (2)
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Mpumalanga
Balfour, Balfour Dierekliniek
Sheep: 1
Nelspruit, Nelspruit Animal Hospital
Sheep: 1
Standerton, Standerton Dierehospitaal
Sheep: 1
Volkswest, Cape Cross Volksrust Dierehospitaal
Sheep: 2
Gauteng
Bronkhorstspuit, Kerkstraat Dierekliniek
Sheep: 2
Limpopo
Polokwane, Pietersburg Veterinary Clinic
Sheep: 2
North West
Lichtenburg, Dr CM Kruger-Rall
Sheep: 1
Free State
Bethlehem, Bethlehem Animal Hospital
Sheep: 1
Clocolan, Clocolan Dierekliniek
Sheep: 2

Ficksburg, Oos Vrystaat Diere Produkte

Sheep: 2

Frankfort, Frankfort Dierekliniek

Sheep: 2

Harrismith, Harrismith Dierehospitaal

Sheep: 2

Hoopstad, Hoopstad Dierekliniek

Sheep: 2

Ladybrand, Ladybrand / Excelsior Dierekliniek

Sheep: 1

FSE

Reitz, Riemland Dierekliniek

Sheep: 2

Trompsburg, Dr. Wyn Irwin

Sheep: 2

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 2

Wesselsbron, Wesselsbron Dierekliniek

Sheep: 1

Winburg, Winburg Dierekliniek

Sheep: 3

Kwazulu-Natal**Ulundi, Dr. Ben Muller CCS Vet**

Sheep: 3

In the mistbelt of the Babanango area many farmers are complaining of deaths due to wireworm (confirmed) and one farmer doses animals and lost about 15 due to pulpy kidney (lab confirmed). Have started trying to convince the locals to vaccinate for pulpy kidney. Major problem is that with the current "green flush" and resultant "green, wet dung" which the locals interpret as worm induced diarrhoea, they all want to deworm all their animals.

Vryheid, Dr GH Theron

Sheep: 1

Eastern Cape**Cradock, Cradock Veterinary Clinic**

Sheep: 2

Queenstown, Queenstown Veterinary clinic

Sheep: 1

Uitenhage, Uitenhage Dierehospitaal

Sheep: 2

Western Cape**Caledon, Overberg Veterinary Hospital**

Sheep: 1

Northern Cape**Colesburg, Karoo Veterinary Hospital**

Sheep: 2

Kimberley, Kimberley Dierekliniek

Sheep: 2

Lamb dysentery

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

Harrismith, Harrismith Dierehospitaal

Sheep: 2

Swelled head disease

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

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

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

Mpumalanga**Grootvlei, Grootvlei Dierekliniek**

Beef: 2

Standerton, Standerton Dierehospitaal

Beef: 1

Gauteng**Bronkhorstspuit, Kerkstraat Dierekliniek**

Beef: 2

Limpopo**Mokopane, Dr Henk Visser**

Beef: 2

Free State**Clocolan, Clocolan Dierekliniek**

Beef: 1

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 2

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

Sheep: 2

Queenstown, Queenstown Veterinary clinic

Sheep: 1

Red gut (cattle)

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

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

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

Free State

Harrismith, Harrismith Dierehospitaal

Beef: 2

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

Dairy: 1

Newcastle, Ncanduvet Newcastle

Beef: 1

Eastern Cape**Uitenhage, Uitenhage Dierehospitaal**

Beef: 1

Western Cape**Malmesbury, Malmesbury Dierehospitaal**

Beef: 1

Blood gut (Sheep)

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

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

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

Mpumalanga**Grootvlei, Grootvlei Dierekliniek**

Sheep: 1

North West**Lichtenburg, Silver Cross veterinary Herd Health**

Sheep: 1

Free State**Clocolan, Clocolan Dierekliniek**

Sheep: 2

Harrismith, Harrismith Dierehospitaal

Sheep: 3

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

Sheep: 2, Goat: 2

Western Cape**Wellington, Wellington Dierehospitaal**

Sheep: 1

Lambs

Tetanus

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

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

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

North West**Christiana, Christiana Dierehospitaal**

Sheep: 1

Rustenburg, Protea Dierekliniek

Sheep: 1

Kwazulu-Natal**Vryheid, Dr GH Theron**

Sheep: 1

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

Sheep: 1

Salmonellosis

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

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

Beef

2.0 (2)

Dairy

2.0 (1)

2.0 (1)

1.0 (2)

Sheep

2.0 (1)

Mpumalanga**Delmas, Dr Johan Jooste**

Dairy: 2

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

Beef: 2, Dairy: 2

Newcastle, Ncanduvet Newcastle

Beef: 2

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

Sheep: 2

Western Cape**Malmesbury, Malmesbury Dierehospitaal**

Dairy: 1

Swellendam, Swellendam Dierehospitaal

Dairy: 1

Brucella abortus

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

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

Beef

1.0 (1)

1.5 (2)

2.5 (4)

2.3 (7)

1.0 (1)

Dairy

3.0 (1)

2.0

(1)

Mpumalanga**Delmas, Dr Johan Jooste**

Dairy: 3

New farm

Standerton, Econovet

Beef: 1

New farm

Limpopo**Mokopane, Dr Henk Visser**

Beef: 1

Polokwane, Pietersburg Veterinary Clinic

Beef: 2

North West**Brits, Brits Dierekliniek**

Beef: 3

Christiana, Christiana Dierhospitaal

Beef: 1

Lichtenburg, Dr CM Kruger-Rall

Beef: 3

48 positive cases

Stella, Stella Dierekliniek

Beef: 3

Free State**Bethlehem, Freestate Bethlehem SV**

Beef: 2

Clocolan, Clocolan Dierekliniek

Dairy: 2

Dewetsdorp, Platkop Dierekliniek

Beef: 2

Hertzogville, Hertzogville Dierekliniek

Beef: 2

Ladybrand, Ladybrand / Excelsior Dierekliniek

Beef: 3

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 3

Busy testing cattle to obtain a clean herd

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2

Winburg, Winburg Dierekliniek

Beef: 2

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

Beef: 1

Farm in Karoo still under quarantine due to *Brucella melitensis* - Ongoing testing of cattle - Two cattle out of herd positive on CFT for *B. melitensis***Brucella ovis**

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)

Eastern Cape

Cradock, Dr. Ilse Jenkinson CCS Vet

Sheep: 2

Two farms positive

Northern Cape**Calvinia, Calvinia Veeartskliniek**

Sheep: 2

Johne`s disease

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

Free State**Vrede, Saulshoek Dierepraktyk**

Sheep: 2

Eastern Cape**Cradock, Dr. Ilse Jenkinson CCS Vet**

Beef: 1

Suspected Johne's - Middelburg (Eastern Cape)

Western Cape**Ceres, Ceres Veterinary Hospital**

Sheep: 1

Pseudomonas

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

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

Dairy						1.0 (1)			
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Kwazulu-Natal**Dundee, Endumeni Herd health**

Dairy: 1

Septicaemia

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

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

Beef					1.0 (1)	1.0 (1)			
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Free State

Wesselsbron, Wesselsbron Dierekliniek

Beef: 1

Kwazulu-Natal

Mtubatuba, Mtubatuba Animal Clinic

Beef: 1

E. coli

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.7 (3)			3.0 (3)	2.1 (14)	1.3 (3)	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	1.5 (2)			3.0 (2)	2.2 (6)	1.3 (3)	1.0 (1)		
Dairy					1.3 (3)			1.5 (2)	
Sheep	2.0 (1)			3.0 (1)	2.4 (5)				2.0 (1)

Mpumalanga

Standerton, Econovet

Beef: 2, Sheep: 2

Standerton, Standerton Dierehospitaal

Beef: 1

North West

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 3, Sheep: 3

Lichtenburg, Silver Cross veterinary Herd Health

Beef: 3

Free State

Bethlehem, Freestate Bethlehem SV

Dairy: 1

Bothaville, Cape Cross Bothaville Veterinary Hospital

Beef: 1

Clocolan, Clocolan Dierekliniek

Beef: 3, Dairy: 2, Sheep: 3

Ficksburg, Oos Vrystaat Diere Produkte

Beef: 1

In calves less than one month old- confirmed

Dairy: 1

In calves - confirmed

Sheep: 1

Intensive lambing system - confirmed

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Sheep: 3

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 3

Winburg, Winburg Dierekliniek

Beef: 2, Sheep: 2

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Dundee, Endumeni Herd health

Beef: 1

Vryheid, Dr GH Theron

Beef: 1

Eastern Cape

Humansdorp, Humansdorp Veterinary Clinic

Beef: 1

Western Cape

Malmesbury, Malmesbury Dierehospitaal

Dairy: 2

Stellenbosch, Stellenbosch Animal Hospital

Dairy: 1

Northern Cape

Calvinia, Calvinia Veeartskliniek

Sheep: 2

E. coli septicaemia

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)			

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

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 2

Kwazulu-Natal

Kokstad, E.G.Veterinary Services

Sheep: 2

Bovine Dermatophilosis (Senkobo disease)

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

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

Beef	2.0 (1)	3.0 (1)							
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Mpumalanga

Nelspruit, Nelspruit Animal Hospital

Beef: 2

Gauteng

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 3

Fusibacterium necrophorum ^

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

North West
Rustenburg, Protea Dierekliniek
 Beef: 1
 Calf: Pharyngitis

Free State
Vrede, Vrede Dierehospitaal
 Beef: 2, Dairy: 2

Listeriosis ^

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

Eastern Cape
Humansdorp, Humansdorp Veterinary Clinic
 Beef: 1

Protozoal diseases (other)

Coccidiosis ^

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.7 (6)	1.5 (2)	1.5 (2)	1.0 (1)	2.0 (5)	1.7 (3)	2.0 (2)	1.7 (3)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef	2.0 (2)	2.0 (1)				1.5 (2)			
Sheep	1.3 (3)		1.5 (2)	1.0 (1)	2.0 (5)			2.0 (2)	
Goat	2.0 (1)	1.0 (1)				2.0 (1)	2.0 (2)	1.0 (1)	

Mpumalanga

Delmas, Dr Johan Jooste

Beef: 2

Middelburg , Middelburg Dierehospitaal

Sheep: 1

Nelspruit, Nelspruit Animal Hospital

Goat: 2

Standerton, Econovet

Beef: 2, Sheep: 2

Standerton, Standerton Dierehospitaal

Sheep: 1

Gauteng**Bronkhorstspuit, Kerkstraat Dierekliniek**

Beef: 2, Goat: 1

Limpopo**Bela-Bela, Warmbad Dierekliniek**

Sheep: 1

Makhado, Blouberg Dierekliniek

Sheep: 2

North West**Lichtenburg, Silver Cross veterinary Herd Health**

Sheep: 1

Free State**Bloemfontein, Dr Stephan Wessels**

Sheep: 3

Clocolan, Clocolan Dierekliniek

Sheep: 3

Reitz, Riemland Dierekliniek

Sheep: 1

Trompsburg, Dr. Wyn Irwin

Sheep: 1

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 2

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

Beef: 1, Goat: 2

Pietermaritzburg, Richmond Veterinay Clinic

Beef: 2

Eastern Cape**Bathurst, Dr Jane Pistorius**

Goat: 2

Four cases

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Goat: 2

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

Sheep: 2

Malmesbury, Bergzigt Dierehospitaal

Sheep: 2

Oudtshoorn, Oudtshoorn Dierekliniek

Goat: 1

Fungal diseases**Ringworm**

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

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

Gauteng									
Pretoria, Anima Veterinary Consulting Rooms									
Sheep: 2									
North West									
Brits, Brits Dierekliniek									
Beef: 1									
Free State									
Clocolan, Clocolan Dierekliniek									
Beef: 2									
Harrismith, Harrismith Dierehospitaal									
Beef: 2									
Kwazulu-Natal									
Estcourt, Estcourt Vet Clinic									
Dairy: 3									
Mooi River, Mooirivier Vet Clinic									
Dairy: 2									
Mtubatuba, Mtubatuba Animal Clinic									
Beef: 2									
Pietermaritzburg, Richmond Veterinay Clinic									
Beef: 1									
Eastern Cape									
Graaff-Reinet, Graaff Reinet Veterinary Clinic									
Beef: 2									
Western Cape									
Heidelberg (WC), Heidelberg Dierekliniek									
Dairy: 1									
Plettenberg Bay, Plettenberg Bay A Reitz									
Beef: 2									
Stellenbosch, Stellenbosch Animal Hospital									
Beef: 1									

Viral Diseases (other)

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

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

Beef	2.0 (1)		2.0 (2)	1.3 (3)	1.5 (4)	1.5 (2)	1.5 (2)		
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Mpumalanga									
Grootvlei, Grootvlei Dierekliniek									

Beef: 2

Limpopo

Bela-Bela, Warmbad Dierekliniek

Beef: 2

Mokopane, Dr Henk Visser

Beef: 2

North West

Brits, Brits Dierekliniek

Beef: 1

Leeudoringstad, Leeudoringstad Dierekliniek

Beef: 1

One bull, wildebeest associated.

Lichtenburg, Silver Cross veterinary Herd Health

Beef: 2

Free State

Clocolan, Clocolan Dierekliniek

Beef: 2

Ficksburg, Oos Vrystaat Diere Produkte

Beef: 1

10 Cattle died on one farm

Kroonstad, Kroonstad Dierehospitaal

Beef: 1

Vrede, Vrede Dierehospitaal

Beef: 2

Kwazulu-Natal

Estcourt, Estcourt Vet Clinic

Beef: 1

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2

Eastern Cape

Queenstown, Queenstown Veterinary clinic

Beef: 1

Somerset East, Bosberg Veterinary Clinic

Beef: 2

One sheep associated and one wildebeest associated BMC.

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

Average					1.3 (4)				
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Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef					1.3 (4)				
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Free State

Dewetsdorp, Platkop Dierekliniek

Beef: 2

Ficksburg, Oos Vrystaat Diere Produkte

Beef: 1

Dog

Ladybrand, Ladybrand / Excelsior Dierekliniek

Beef: 1

Winburg, Winburg Dierekliniek

Beef: 1

BVD (Bovine viral diarrhoea)									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average			2.5 (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			2.5 (2)		1.0 (1)				
Dairy								1.0 (1)	
Limpopo									
Makhado, Blouberg Dierekliniek									
Beef: 2									
Modimolle, Kranskop Dierekliniek									
Beef: 3									
Abortions on a farm probably due to BVD - awaiting laboratory confirmation									
Free State									
Villiers, Wilgepoort Dierekliniek Vennootskap									
Beef: 1									
Western Cape									
Malmesbury, Malmesbury Dierehospitaal									
Dairy: 1									
IBR (Infectious bovine rhinotracheitis)									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.5 (2)		2.0 (1)		1.0 (2)	2.5 (2)	2.7 (3)	1.0 (1)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef	1.5 (2)		2.0 (1)		1.0 (2)	3.0 (1)	3.0 (1)		
Dairy						2.0 (1)	2.5 (2)	1.0 (1)	
Mpumalanga									
Balfour, Balfour Dierekliniek									
Beef: 1									
Standerton, Standerton Dierehospitaal									
Beef: 2									
Limpopo									
Makhado, Blouberg Dierekliniek									
Beef: 2									
Free State									
Villiers, Wilgepoort Dierekliniek Vennootskap									
Beef: 1									
Wesselsbron, Wesselsbron Dierekliniek									
Beef: 1									
Kwazulu-Natal									
Estcourt, Estcourt Vet Clinic									
Dairy: 2									

Pietermaritzburg, Richmond Veterinay Clinic

Beef: 3

Eastern Cape**Cradock, Dr. Ilse Jenkinson CCS Vet**

Dairy: 2

Jeffreys Bay, Cape Cross Veterinary Hospital

Dairy: 3

Somerset East, Bosberg Veterinary Clinic

Beef: 3

Western Cape**Malmesbury, Malmesbury Dierehospitaal**

Dairy: 1

PI3

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

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

Beef					1.0 (1)				
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Free State**Bothaville, Cape Cross Bothaville Veterinary Hospital**

Beef: 1

Enzootic Bovine Leucosis (EBL)

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

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

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

Mpumalanga**Delmas, Dr Johan Jooste**

Dairy: 3

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

Dairy: 2

Eastern Cape**Cradock, Dr. Ilse Jenkinson CCS Vet**

Dairy: 2

Few positive cattle

Middelburg (EC), Steynsburg Dierehospitaal

Beef: 1

Somerset East, Bosberg Veterinary Clinic

Dairy: 1

Western Cape**Malmesbury, Malmesbury Dierehospitaal**

Dairy: 3

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PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.5 (2)		3.0 (1)	2.8 (4)	2.5 (2)	2.0 (4)	2.0 (1)	1.0 (1)	

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

Sheep			3.0 (1)	2.7 (3)	3.0 (1)	2.0 (2)		1.0 (1)	
Goat	1.5 (2)			3.0 (1)	2.0 (1)	2.0 (2)	2.0 (1)		

Mpumalanga

Middelburg , Middelburg Dierehospitaal

Goat: 1

Nelspruit, Nelspruit Animal Hospital

Goat: 2

Limpopo

Modimolle, Kranskop Dierekliniek

Sheep: 3

North West

Brits, Brits Dierekliniek

Sheep: 3

Christiana, Christiana Dierehospitaal

Sheep: 2

Klerksdorp, Buffeldoorn Dierehospitaal

Sheep: 3, Goat: 3

Free State

Bloemfontein, Dr Stephan Wessels

Sheep: 3

Vrede, Vrede Dierehospitaal

Goat: 2

Kwazulu-Natal

Dundee, Endumeni Herd health

Sheep: 2, Goat: 2

Kokstad, E.G.Veterinary Services

Sheep: 2

Mtubatuba, Mtubatuba Animal Clinic

Goat: 2

Eastern Cape

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Goat: 2

Western Cape

Swellendam, Swellendam Dierehospitaal

Sheep: 1

Warts [^](#)

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.3 (3)	1.0 (1)	2.0 (1)	1.0 (1)	2.0 (3)	1.8 (6)	2.0 (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)	1.0 (1)	2.0 (1)		2.0 (3)	1.8 (6)		2.0 (2)
Dairy	2.0 (1)						3.0 (1)	2.5 (2)
Sheep							1.0 (1)	
Goat				1.0 (1)				

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1

Delmas, Dr Johan Jooste

Dairy: 2

Standerton, Standerton Dierehospitaal

Beef: 1

Gauteng

Bronkhorstspuit, Kerkstraat Dierekliniek

Beef: 1

Limpopo

Mokopane, Dr Henk Visser

Beef: 2

Young animals

North West

Lichtenburg, Silver Cross veterinary Herd Health

Goat: 1

Free State

Clocolan, Clocolan Dierekliniek

Beef: 3

Trompsburg, Dr. Wyn Irwin

Beef: 2

Wesselsbron, Wesselsbron Dierekliniek

Beef: 1

Kwazulu-Natal

Mooi River, Mooirivier Vet Clinic

Beef: 2

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2

Pietermaritzburg, Richmond Veterinay Clinic

Beef: 2

Pongola, Pongola Animal Clinic

Beef: 1

Ulundi, Dr. Ben Muller CCS Vet

Beef: 3

Vryheid, Dr GH Theron

Beef: 1

Eastern Cape

Jeffreys Bay, Cape Cross Veterinary Hospital

Dairy: 3

Somerset East, Bosberg Veterinary Clinic

Sheep: 1

Western Cape

George, George Animal Hospital

Beef: 3, Dairy: 3

Malmesbury, Malmesbury Dierehospitaal

Dairy: 2

Stellenbosch, Stellenbosch Animal Hospital

Beef: 1

Poisonings (Plant) and Fungal

Cardiac glycoside poisoning

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

Gauteng

Muldersdrift, Muldersdrift Animal Hospital

Beef: 1

One suspected case in a bull

North West

Klerksdorp, Buffeldoorn Dierehospitaal

Beef: 2

5 cows died of suspected slangkop poisoning. Two cases survived.

Eastern Cape

Graaff-Reinet, Camdeboo Veterinary Clinic

Sheep: 1, Goat: 2

Cestrum

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

Free State

Bothaville, Cape Cross Bothaville Veterinary Hospital

Beef: 1

Ladybrand, Ladybrand / Excelsior Dierekliniek

Beef: 1

Parys, Parys Dierehospitaal

Beef: 2

Spruit camp

Eastern Cape

Humansdorp, Humansdorp Veterinary Clinic

Beef: 2

Cotula nigellifolia (Stagger wood)

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)

Eastern Cape

Alexandria, Dr Thys (MJ) Potgieter

Dairy: 1

Friesland bull

Cynanchum poisoning

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

Level 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)

Western Cape

Swellendam, Swellendam Dierehospitaal

Beef: 1

One outbreak

Facial eczema

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

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

Dairy 3.0 (1) 3.0 (1)

Sheep 1.5 (2) 2.0 (1)

Free State

Reitz, Riemland Dierekliniek

Sheep: 2

Wesselsbron, Wesselsbron Dierekliniek

Sheep: 1

Eastern Cape

Jeffreys Bay, Cape Cross Veterinary Hospital

Dairy: 3

Western Cape

George, George Animal Hospital

Dairy: 3

Heidelberg (WC), Heidelberg Dierekliniek

Sheep: 2

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

North West

Leeudoringstad, Leeudoringstad Dierkliniek

Sheep: 3

Free State

Kroonstad, Kroonstad Dierehospitaal

Sheep: 2

Phillipstown, Rowelsfontein veearts Spreekkamer

Sheep: 3

Especially in wool sheep

Villiers, Wilgepoort Dierkliniek Vennootskap

Sheep: 2

Northern Cape

Upington, Upington Veterinary Clinic

Sheep: 3

Lost about 20 sheep in the Grootdrink area.

Gifblaar									
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)					

North West

Lichtenburg, Silver Cross veterinary Herd Health

Beef: 1

Gousiekte									
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)			

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

Sheep: 2

Lantana

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 (1)		

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

Beef				2.0 (1)		1.7 (3)	3.0 (1)		
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North West**Rustenburg, Protea Dierekliniëk**

Beef: 2

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

Beef: 1

Pongola, Pongola Animal Clinic

Beef: 2

Due to drought conditions cattle move into *Lantana* areas.**Vryheid, Dr GH Theron**

Beef: 2

Eastern Cape**Alexandria, Alexandria Platteland Spreekkamer**

Beef: 3

Nitrate poisoning

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

Dairy							2.0 (1)		
Sheep					2.0 (1)				

Free State**Reitz, Riemland Dierekliniëk**

Sheep: 2

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

Dairy: 2

Prussic acid poisoning

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

Mpumalanga
Balfour, Balfour Dierekliniek
Sheep: 1
Free State
Ladybrand, Ladybrand / Excelsior Dierekliniek
Beef: 2
Trompsburg, Dr. Wyn Irwin
Beef: 1
Eastern Cape
Middelburg (EC), Steynsburg Dierehospitaal
Beef: 1
Queenstown, Queenstown Veterinary clinic
Beef: 1

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

Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef	2.0 (1)					2.5 (2)			
Sheep							3.0 (1)		

Mpumalanga									
Standerton, Econovet									
Beef: 2									
Kwazulu-Natal									
Kokstad, E.G.Veterinary Services									
Beef: 2									
Underberg, Waterford Farm, Underberg									
Beef: 3									
Numerous cases of Senecio poisoning in heifers on veld. Unusual at this time but due to grass shortage.									
Eastern Cape									
Stutterheim, Stutterheim Veterinary Clinic									
Sheep: 3									

Tulip Poisoning									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average				1.0 (1)	1.3 (3)	2.5 (2)	2.7 (3)		2.0 (1)

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

reported									
Beef			1.0 (1)	1.3 (3)	2.5 (2)	2.0 (1)			2.0 (1)
Dairy						3.0 (1)			
Sheep						3.0 (1)			

North West

Lichtenburg, Silver Cross veterinary Herd Health

Beef: 1

Free State

Hoopstad, Hoopstad Dierekliniek

Beef: 2

Reitz, Riemland Dierekliniek

Beef: 1

Trompsburg, Dr. Wyn Irwin

Beef: 1

Kwazulu-Natal

Estcourt, Estcourt Vet Clinic

Beef: 3

Kokstad, E.G.Veterinary Services

Beef: 2

Eastern Cape

Cradock, Cradock Veterinary Clinic

Beef: 2

Somerset East, Bosberg Veterinary Clinic

Dairy: 3, Sheep: 3

Northern Cape

Kimberley, Kimberley Dierekliniek

Beef: 2

Thre cattle

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

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

Sheep	2.0 (1)								
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Mpumalanga

Standerton, Econovet

Sheep: 2

Mycotoxicosis [^](#)

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

George, George Animal Hospital

Dairy: 3

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

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

Beef			2.0 (1)			3.0 (1)	2.0 (1)		2.5 (2)
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Limpopo**Mokopane, Dr Henk Visser**

Beef: 2

Bracken fern poisoning. Drought conditions, ferns growing in kloof. Ferns grazed. Bull and cow died. Animals strain, 50 mm smelly bloody diarrhoea, blood not clotted. Animals dehydrated, wild, run around, drink water. After rain fell cattle were removed from camp to better grazing.

Kwazulu-Natal**Underberg, Waterford Farm, Underberg**

Beef: 3

Numerous cases of photosensitivity in dairy cows, specific causative agent remains unidentified after 40 years of farming and vetting in this area. Also cases of photosensitivity in heifers on the veld and in equines. Not seen it in equines here before.

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

Beef: 2

Paspalum staggers**Northern Cape****Kathu, Kathu Direkliniek**

Beef: 2

Crotalaria poisoning**Upington, Upington Veterinary Clinic**

Beef: 3

18 Cows died due to mechanical impaction of the rumen after consuming cocoons of moths. Animals did not consume enough roughage due to drought conditions (Van Zylsrust area).

Poisonings

Urea Poisoning									
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)			

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

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

Mpumalanga**Ermelo, Môregloed Veterinêre Spreekkamer**

Beef: 2

Two stud animals died, malicious poisoning

North West**Lichtenburg, Silver Cross veterinary Herd Health**

Sheep: 1

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

Sheep: 1

Snake Bite

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
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Average2.0
(2)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

Beef2.0
(1)1.5
(2)

1.0 (1)

Dairy1.0
(1)**Sheep**2.0
(1)**North West****Brits, Brits Dierekliniek**

Beef: 2, Sheep: 2

Free State**Hoopstad, Hoopstad Dierekliniek**

Beef: 2

Reitz, Riemland Dierekliniek

Beef: 1

Vrede, Vrede Dierehospitaal

Dairy: 1

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

Beef: 1

Hypo

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
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Average1.0
(1)

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

Beef1.0
(1)**Free State****Wesselsbron, Wesselsbron Dierekliniek**

Beef: 1

Copper Poisoning

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

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

Sheep					3.0 (1)				
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Free State

Hoopstad, Hoopstad Dierekliniek

Sheep: 3

Macro Nutritional Problems

Energy deficiency



PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	3.0 (4)			3.0 (2)	2.3 (8)	1.7 (6)	3.0 (2)	1.0 (1)	3.0 (2)

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

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

Mpumalanga

Delmas, Dr Johan Jooste

Beef: 3, Sheep: 3

Standerton, Econovet

Beef: 3, Sheep: 3

North West

Christiana, Christiana Dierehospitaal

Beef: 3

Leeudoringstad, Leeudoringstad Dierekliniek

Beef: 3

Overgrazing in communal areas

Free State

Hertzogville, Hertzogville Dierekliniek

Sheep: 2

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Memel, Memel Veterinary Clinic

Sheep: 2

Parys, Parys Dierehospitaal

Beef: 2

Wesselsbron, Wesselsbron Dierekliniek

Beef: 2, Sheep: 1

Winburg, Winburg Dierekliniek

Beef: 3

Kwazulu-Natal

Camperdown, Camperdown Vet Clinic

Dairy: 2

Malnutrition of calves

Mtubatuba, Mtubatuba Animal Clinic

Beef: 3

Pongola, Pongola Animal Clinic

Beef: 1

Terrible drought

Sheep: 1, Goat: 1

Ulundi, Dr. Ben Muller CCS Vet

Beef: 2

Eastern Cape

Middelburg (EC), Steynsburg Dierehospitaal

Beef: 3, Sheep: 3

Western Cape

Swellendam, Swellendam Dierehospitaal

Beef: 1

Northern Cape

Upington, Upington Veterinary Clinic

Beef: 3

Drought

Sheep: 3

Protein deficiency

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	3.0 (2)			3.0 (2)	2.3 (8)	1.7 (6)	2.3 (3)		3.0 (2)

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

Beef	3.0 (1)			3.0 (2)	2.4 (5)	2.0 (3)	2.0 (2)		3.0 (1)
Dairy						2.0 (1)			
Sheep	3.0 (1)				2.0 (3)	1.0 (1)	3.0 (1)		3.0 (1)
Goat						1.0 (1)			

Mpumalanga

Standerton, Econovet

Beef: 3, Sheep: 3

North West

Christiana, Christiana Dierehospitaal

Beef: 3

Leeudoringstad, Leeudoringstad Dierekliniek

Beef: 3

Overgrazing in communal areas

Free State

Bethlehem, Bethlehem Animal Hospital

Sheep: 1

Weight loss

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Ladybrand, Ladybrand / Excelsior Dierekliniek

Beef: 2

Memel, Memel Veterinary Clinic

Sheep: 2

Parys, Parys Dierehospitaal

Beef: 2

Wesselsbron, Wesselsbron Dierekliniek

Beef: 2

Winburg, Winburg Dierekliniek

Beef: 3

Kwazulu-Natal

Camperdown, Camperdown Vet Clinic

Dairy: 2

Malnutrition of calves

Mtubatuba, Mtubatuba Animal Clinic

Beef: 3

Pongola, Pongola Animal Clinic

Beef: 1

Terrible drought

Sheep: 1, Goat: 1

Ulundi, Dr. Ben Muller CCS Vet

Beef: 2

Eastern Cape

Middelburg (EC), Steynsburg Dierehospitaal

Beef: 3, Sheep: 3

Somerset East, Bosberg Veterinary Clinic

Beef: 1

Northern Cape

Upington, Upington Veterinary Clinic

Beef: 3

Drought

Sheep: 3

Phosphate deficiency

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

Mpumalanga

Standerton, Econovet

Beef: 3, Sheep: 3

Standerton, Standerton Dierehospitaal

Beef: 1

North West

Christiana, Christiana Dierehospitaal

Beef: 3

Free State

Wesselsbron, Wesselsbron Dierekliniek

Beef: 2

Kwazulu-Natal

Ulundi, Dr. Ben Muller CCS Vet

Beef: 2

Calcium deficiency [^](#)

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

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

Beef				1.0 (1)					
Dairy					1.0 (1)				

North West

Lichtenburg, Dr CM Kruger-Rall

Beef: 1

Free State

Ladybrand, Ladybrand / Excelsior Dierekliniiek

Dairy: 1

Micro Nutritional Problems

Copper deficiency [^](#)

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

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

Sheep								1.0 (2)	
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Western Cape

Malmesbury, Dr Otto Kriek

Sheep: 1

Supplementation of copper is essential in many parts but should not be done under the age of 4 months except in cases where there is a proven deficiency as is the case in parts of the Coastal belt.

Stellenbosch, Stellenbosch Animal Hospital

Sheep: 1

Zinc deficiency [^](#)

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

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

Beef							2.0 (1)		
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Eastern Cape

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Beef: 2

Selenium deficiency [^](#)

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

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

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

North West

Christiana, Christiana Dierehospitaal

Sheep: 2

Free State

Harrismith, Harrismith Dierehospitaal

Beef: 2

Memel, Memel Veterinary Clinic

Beef: 1

Kwazulu-Natal

Estcourt, Estcourt Vet Clinic

Beef: 3, Dairy: 3

Eastern Cape

Alexandria, Alexandria Platteland Spreekkamer

Dairy: 2

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Beef: 2

Western Cape

Ceres, Ceres Veterinary Hospital

Beef: 2

Magnesium deficiency [^](#)

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

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

Beef					1.0 (1)				
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Free State

Ladybrand, Ladybrand / Excelsior Dierekliniek

Beef: 1

Vitamin A deficiency [^](#)

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

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

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

North West

Christiana, Christiana Dierhospitaal

Beef: 3, Sheep: 3

Lichtenburg, Silver Cross veterinary Herd Health

Beef: 2

Free State

Hoopstad, Hoopstad Dierkliniek

Beef: 3, Sheep: 3

Kwazulu-Natal

Bergville, Tugela Vet Clinic

Beef: 2

Pongola, Pongola Animal Clinic

Beef: 2, Sheep: 2, Goat: 2

Ulundi, Dr. Ben Muller CCS Vet

Beef: 2

Multi-factorial Disease Conditions

Abortions

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.7 (3)			1.7 (3)	2.3 (7)	2.3 (8)	1.8 (4)	2.5 (6)	

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

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

Mpumalanga

Balfour, Balfour Dierkliniek

Beef: 1

Bethal, Bethal Dierkliniek

Dairy: 2

Delmas, Dr Johan Jooste

Beef: 2

North West**Brits, Brits Dierekliniek**

Beef: 1

Lichtenburg, Dr CM Kruger-Rall

Beef: 3

Stella, Stella Dierekliniek

Beef: 1

Free State**Harrismith, Harrismith Dierehospitaal**

Beef: 2

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Ladybrand, Ladybrand / Excelsior Dierekliniek

Dairy: 2, Sheep: 2

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2, Sheep: 2

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

Beef: 3

Bergville, Tugela Vet Clinic

Beef: 2, Sheep: 2

Dundee, Endumeni Herd health

Beef: 2, Dairy: 2

Estcourt, Estcourt Vet Clinic

Beef: 2, Dairy: 3

Ulundi, Dr. Ben Muller CCS Vet

Goat: 2

Eastern Cape**Alexandria, Alexandria Platteland Spreekkamer**

Dairy: 2

Humansdorp, Humansdorp Veterinary Clinic

Beef: 1

Somerset East, Bosberg Veterinary Clinic

Beef: 2, Dairy: 2

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

Dairy: 2

Malmesbury, Bergzicht Dierehospitaal

Beef: 2

Malmesbury, Dr Otto Kriek

Dairy: 2

Malmesbury, Malmesbury Dierehospitaal

Dairy: 3

Swellendam, Swellendam Dierehospitaal

Beef: 3, Sheep: 3

Abortion storm in sheep - many stillborn lambs - suspect enzootic abortion, waiting for confirmation.

Stillbirths

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

Free State
Clocolan, Clocolan Dierekliniek
Beef: 3
Hoopstad, Hoopstad Dierekliniek
Beef: 2, Sheep: 2
Ladybrand, Ladybrand / Excelsior Dierekliniek
Beef: 1
Villiers, Wilgepoort Dierekliniek Vennootskap
Beef: 2

Abscesses [^](#)

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.8 (5)	1.0 (2)	2.7 (3)	2.6 (5)	1.8 (4)	2.0 (6)	1.4 (5)	1.6 (5)	

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

Beef	1.3 (3)	1.0 (1)	2.5 (2)	2.5 (2)	1.7 (3)	2.5 (2)		1.0 (1)	
Dairy	3.0 (1)				2.0 (1)	1.5 (2)		2.0 (2)	
Sheep	2.0 (1)	1.0 (1)		3.0 (2)		2.0 (1)	1.5 (2)	1.5 (2)	
Goat			3.0 (1)	2.0 (1)		2.0 (1)	1.3 (3)		

Mpumalanga
Balfour, Balfour Dierekliniek
Beef: 1
Delmas, Dr Johan Jooste
Dairy: 3
Grootvlei, Grootvlei Dierekliniek
Beef: 1
Standerton, Standerton Dierehospitaal
Beef: 2, Sheep: 2
Gauteng
Pretoria, Anima Veterinary Consulting Rooms
Sheep: 1
Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic
Beef: 1
Limpopo
Bela-Bela, Warmbad Dierekliniek
Beef: 2
Polokwane, Pietersburg Veterinary Clinic
Beef: 3, Goat: 3
North West
Christiana, Christiana Dierehospitaal
Beef: 3, Sheep: 3
Leeudoringstad, Leeudoringstad Dierekliniek

Sheep: 3

Lung abscesses in sheep.

Lichtenburg, Silver Cross veterinary Herd Health

Beef: 2, Goat: 2

Free State

Ladybrand, Ladybrand / Excelsior Dierekliniek

Beef: 2

Memel, Memel Veterinary Clinic

Beef: 1

Trompsburg, Dr. Wyn Irwin

Beef: 2

Vrede, Vrede Dierehospitaal

Dairy: 2

Kwazulu-Natal

Dundee, Endumeni Herd health

Dairy: 1

Estcourt, Estcourt Vet Clinic

Dairy: 2

Ulundi, Dr. Ben Muller CCS Vet

Beef: 3

Vryheid, Dr GH Theron

Beef: 2, Sheep: 2, Goat: 2

Eastern Cape

Cradock, Cradock Veterinary Clinic

Sheep: 1

Corynebacterium abscess

Graaff-Reinet, Camdeboo Veterinary Clinic

Goat: 1

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Sheep: 2, Goat: 2

Middelburg (EC), Steynsburg Dierehospitaal

Goat: 1

Western Cape

Beaufort West, Beaufort West State Vet

Sheep: 1

Caledon, Overberg Veterinary Hospital

Sheep: 2

Malmesbury, Bergzicht Dierehospitaal

Dairy: 2

Malmesbury, Malmesbury Dierehospitaal

Dairy: 2

Stellenbosch, Stellenbosch Animal Hospital

Beef: 1

Abscesses in general

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

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

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

Sheep	1.0 (1)
Goat	2.0 (1)

North West
Lichtenburg, Dr CM Kruger-Rall
Beef: 1
Free State
Hertzogville, Hertzogville Dierekliniëk
Beef: 2
Wesselsbron, Wesselsbron Dierekliniëk
Beef: 1, Sheep: 1
Kwazulu-Natal
Mooi River, Mooirivier Vet Clinic
Dairy: 2
Mtubatuba, Mtubatuba Animal Clinic
Beef: 2, Goat: 2
Western Cape
Stellenbosch, Stellenbosch Animal Hospital
Dairy: 1

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

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

Goat	1.0 (1)
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Eastern Cape
Graaff-Reinet, Camdeboo Veterinary Clinic
Goat: 1

Blindness									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average					2.3 (7)	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	2.3 (3)	1.0 (1)						1.0 (1)	
Dairy								1.0 (1)	
Sheep					2.7 (3)				
Goat					1.0 (1)				

Free State
Bothaville, Cape Cross Bothaville Veterinary Hospital
Goat: 1

Clocolan, Clocolan Dierekliniek

Beef: 2

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Ladybrand, Ladybrand / Excelsior Dierekliniek

Sheep: 3

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2, Sheep: 2

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

Beef: 1

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

Beef: 1, Dairy: 1

Bloat

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

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

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

Gauteng**Pretoria, Anima Veterinary Consulting Rooms**

Sheep: 1

Frothy bloat

North West**Brits, Brits Dierekliniek**

Beef: 3

Free State**Bothaville, Cape Cross Bothaville Veterinary Hospital**

Beef: 1

Ladybrand, Ladybrand / Excelsior Dierekliniek

Beef: 1

Vrede, Vrede Dierehospitaal

Beef: 1

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

Beef: 1, Dairy: 3

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

Goat: 2

Blood gut (sheep and goat)

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

Eastern Cape
Graaff-Reinet, Camdeboo Veterinary Clinic
 Sheep: 1, Goat: 1

Blue udder [^](#)

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

Dairy								2.0 (1)	
Sheep					2.2 (5)				
Goat	2.0 (1)						2.0 (1)		

Mpumalanga
Nelspruit, Nelspruit Animal Hospital
 Goat: 2

Free State
Bothaville, Cape Cross Bothaville Veterinary Hospital
 Sheep: 2

Harrismith, Harrismith Dierehospitaal
 Sheep: 3

Ladybrand, Ladybrand / Excelsior Dierekliniek
 Sheep: 2

Reitz, Riemland Dierekliniek
 Sheep: 2

Villiers, Wilgepoort Dierekliniek Vennootskap
 Sheep: 2

Eastern Cape
Graaff-Reinet, Graaff Reinet Veterinary Clinic
 Goat: 2

Western Cape
Heidelberg (WC), Heidelberg Dierekliniek
 Dairy: 2

Diarrhoea [^](#)

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.5 (4)		1.0 (2)	2.2 (5)	1.9 (9)	2.0 (6)	2.0 (2)	2.0 (5)	

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

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

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1

Standerton, Econovet

Beef: 3

Standerton, Standerton Dierehospitaal

Beef: 3

Volkswrust, Cape Cross Volksrust Dierehospitaal

Beef: 3

Limpopo

Bela-Bela, Warmbad Dierekliniek

Beef: 1

Polokwane, Pietersburg Veterinary Clinic

Beef: 1

North West

Brits, Brits Dierekliniek

Beef: 3

Klerksdorp, Buffeldoorn Dierehospitaal

Beef: 2

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 2, Sheep: 2

Lichtenburg, Silver Cross veterinary Herd Health

Sheep: 2

Free State

Dewetsdorp, Platkop Dierekliniek

Beef: 2

Ficksburg, Oos Vrystaat Dier Produkte

Beef: 1, Dairy: 1, Sheep: 1

Kroonstad, Kroonstad Dierehospitaal

Sheep: 3

Ladybrand, Ladybrand / Excelsior Dierekliniek

Sheep: 3

Memel, Memel Veterinary Clinic

Beef: 2

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2, Sheep: 2

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Dundee, Endumeni Herd health

Dairy: 2

Mooi River, Mooirivier Vet Clinic

Beef: 2, Sheep: 2

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2, Goat: 2

Eastern Cape

Graaff-Reinet, Camdeboo Veterinary Clinic

Goat: 2

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Goat: 2

Western Cape

Ceres, Ceres Veterinary Hospital

Beef: 1

George, George Animal Hospital

Beef: 2, Dairy: 2

Malmesbury, Dr Otto Kriek

Dairy: 2

Malmesbury, Malmesbury Dierehospitaal

Dairy: 3

Eye Cancer

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average					1.2 (5)	1.5 (4)	1.5 (2)		

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

Beef						1.0 (1)	1.0 (1)		
Dairy					1.2 (5)	1.7 (3)	2.0 (1)		

Free State

Ficksburg, Oos Vrystaat Diere Produkte

Dairy: 1

Kroonstad, Kroonstad Dierehospitaal

Dairy: 1

Ladybrand, Ladybrand / Excelsior Dierekliniek

Dairy: 1

Reitz, Riemland Dierekliniek

Dairy: 2

Vrede, Vrede Dierehospitaal

Dairy: 1

Kwazulu-Natal

Dundee, Endumeni Herd health

Dairy: 1

Estcourt, Estcourt Vet Clinic

Dairy: 2

Mooi River, Mooirivier Vet Clinic

Dairy: 2

Mtubatuba, Mtubatuba Animal Clinic

Beef: 1

Eastern Cape

Graaff-Reinet, Camdeboo Veterinary Clinic

Beef: 1

Jeffreys Bay, Cape Cross Veterinary Hospital

Dairy: 2

Eye infections

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.6 (9)	1.5 (4)	1.5 (2)	2.8 (8)	2.4 (21)	2.2 (17)	2.8 (9)	1.9 (9)	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	2.6 (5)	1.5 (2)	1.5 (2)	2.8 (5)	2.4 (12)	2.2 (9)	3.0 (3)	1.8 (4)	3.0 (1)
Dairy	3.0 (1)				2.3 (4)	2.3 (4)	2.5 (2)	2.0 (5)	
Sheep	2.3 (3)	1.5 (2)		3.0 (2)	2.5 (4)	2.0 (2)	2.5 (2)		
Goat				2.0 (1)	2.0 (1)	2.0 (2)	3.0 (2)		

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1, Sheep: 1

Delmas, Dr Johan Jooste

Dairy: 3

Nelspruit, Nelspruit Animal Hospital

Beef: 3

Standerton, Econovet

Beef: 3, Sheep: 3

Standerton, Standerton Dierehospitaal

Beef: 3

Volkstrust, Cape Cross Volksrust Dierehospitaal

Beef: 3, Sheep: 3

Gauteng

Bronkhorstspuit, Kerkstraat Dierekliniek

Beef: 2, Sheep: 1

Pretoria, Anima Veterinary Consulting Rooms

Sheep: 2

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 1

Removal of the eye (enucleation)

Limpopo

Bela-Bela, Warmbad Dierekliniek

Beef: 2

Polokwane, Pietersburg Veterinary Clinic

Beef: 1

North West

Christiana, Christiana Dierehospitaal

Beef: 3, Sheep: 3

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 2

Leeudoringstad, Leeudoringstad Dierekliniek

Beef: 3, Sheep: 3

Lichtenburg, Dr CM Kruger-Rall

Beef: 3

Lichtenburg, Silver Cross veterinary Herd Health

Beef: 3

Rustenburg, Protea Dierekliniek

Goat: 2

Free State

Bloemfontein, Dr Stephan Wessels

Beef: 3

Bothaville, Cape Cross Bothaville Veterinary Hospital

Beef: 2

Bultfontein, Greylingrust Dieresprekkamer

Beef: 2

Dewetsdorp, Platkop Dierekliniek

Beef: 3

Ficksburg, Oos Vrystaat Diere Produkte

Beef: 2, Dairy: 2, Sheep: 2

Harrismith, Harrismith Dierehospitaal

Beef: 3

Ladybrand, Ladybrand / Excelsior Dierekliniek

Beef: 3, Dairy: 3, Sheep: 3

Memel, Memel Veterinary Clinic

Beef: 3

Reitz, Riemland Dierekliniek

Beef: 2, Dairy: 2, Sheep: 2

Vrede, Vrede Dierehospitaal

Beef: 2, Dairy: 2, Goat: 2

Wesselsbron, Wesselsbron Dierekliniek

Beef: 1

Winburg, Winburg Dierekliniek

Beef: 3, Sheep: 3

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

Beef: 3

Bergville, Tugela Vet Clinic

Beef: 2, Sheep: 2, Goat: 2

Dundee, Endumeni Herd health

Beef: 2, Dairy: 2

Estcourt, Estcourt Vet Clinic

Beef: 3, Dairy: 3

Ingogo, Gen XY Stud Beef Consultancy

Beef: 1

Mooi River, Mooirivier Vet Clinic

Beef: 2, Dairy: 2

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2

Pongola, Pongola Animal Clinic

Beef: 2

Vitamin A deficiency and drought conditions.

Sheep: 2, Goat: 2

Ulundi, Dr. Ben Muller CCS Vet

Beef: 3

Underberg, Underberg Veterinary Surgery

Dairy: 2

Eastern Cape**Aliwal North, Hertzogbrug Dierekliniek**

Beef: 3

Numerous cases of keratoconjunctivitis

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Sheep: 2

Jeffreys Bay, Cape Cross Veterinary Hospital

Dairy: 2

Middelburg (EC), Steynsburg Dierehospitaal

Beef: 3, Sheep: 3, Goat: 3

Somerset East, Bosberg Veterinary Clinic

Beef: 3, Dairy: 3, Goat: 3

Western Cape**George, George Animal Hospital**

Beef: 3, Dairy: 3

Heidelberg (WC), Heidelberg Dierekliniek

Beef: 1, Dairy: 1

Malmesbury, Bergzicht Dierehospitaal

Beef: 2

Malmesbury, Malmesbury Dierehospitaal

Dairy: 3

Stellenbosch, Stellenbosch Animal Hospital

Beef: 1, Dairy: 1

Swellendam, Swellendam Dierehospitaal

Dairy: 2

Northern Cape**Kimberley, Kimberley Dierekliniek**

Beef: 3

Joint III

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

Mpumalanga**Balfour, Balfour Dierekliniek**

Beef: 1

Delmas, Dr Johan Jooste

Dairy: 2

Gauteng**Pretoria, Anima Veterinary Consulting Rooms**

Sheep: 2

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 1

Septic arthritis

North West**Leeudoringstad, Leeudoringstad Dierekliniek**

Beef: 2

Calves

Lichtenburg, Dr CM Kruger-Rall

Beef: 1

Free State**Ficksburg, Oos Vrystaat Diere Produkte**

Beef: 2

Parys, Parys Dierehospitaal

Beef: 2

Trompsburg, Dr. Wyn Irwin

Sheep: 1

Kwazulu-Natal**Vryheid, Dr GH Theron**

Beef: 1

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

Sheep: 2

Western Cape**Malmesbury, Malmesbury Dierehospitaal**

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	2.3 (4)	2.0 (2)	1.3 (3)	2.8 (5)	1.8 (9)	1.9 (9)	1.6 (9)	2.3 (7)	2.0 (1)

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

Beef	2.5 (2)	2.0 (1)	1.3 (3)	2.7 (3)	1.8 (8)	2.0 (2)		2.0 (1)	
Dairy	3.0 (1)					2.5 (4)	2.0 (2)	2.3 (3)	
Sheep	1.0 (1)	2.0 (1)		3.0 (2)	2.0 (1)	1.0 (2)	1.5 (4)	2.3 (3)	2.0 (1)
Goat						1.0 (1)	1.3 (3)		

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 2

Delmas, Dr Johan Jooste

Dairy: 3

Ermelo, Mōregloed Veterinêre Spreekkamer

Sheep: 1

Foot rot

Middelburg , Middelburg Dierehospitaal

Beef: 3

Gauteng

Pretoria, Anima Veterinary Consulting Rooms

Sheep: 2

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 2

Limpopo

Bela-Bela, Warmbad Dierekliniek

Beef: 1

Traumatic injury

Modimolle, Kranskop Dierekliniek

Beef: 2

Two farms

Polokwane, Pietersburg Veterinary Clinic

Beef: 1

North West

Brits, Brits Dierekliniek

Beef: 2

Christiana, Christiana Dierehospitaal

Beef: 3, Sheep: 3

Lichtenburg, Dr CM Kruger-Rall

Beef: 3, Sheep: 3

Duwweltjies due to drought conditions

Free State

Bethlehem, Bethlehem Animal Hospital

Beef: 2

Bloemfontein, Dr Stephan Wessels

Beef: 2

Bothaville, Cape Cross Bothaville Veterinary Hospital

Beef: 1

Bultfontein, Greylingrust Dieresprekkamer

Beef: 1

Hertzogville, Hertzogville Dierekliek

Beef: 1

Ladybrand, Ladybrand / Excelsior Dierekliek

Beef: 2

Trompsburg, Dr. Wyn Irwin

Beef: 3

Villiers, Wilgepoort Dierekliek Vennootskap

Beef: 2, Sheep: 2

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

Dairy: 2, Sheep: 1, Goat: 1

Estcourt, Estcourt Vet Clinic

Dairy: 2

Mooi River, Mooirivier Vet Clinic

Dairy: 3

Newcastle, Ncanduvet Newcastle

Beef: 1, Sheep: 1

Pietermaritzburg, Richmond Veterinay Clinic

Beef: 3

Underberg, Underberg Veterinary Surgery

Dairy: 3

Eastern Cape**Alexandria, Alexandria Platteland Sprekkamer**

Dairy: 2

Graaff-Reinet, Camdeboo Veterinary Clinic

Sheep: 1, Goat: 1

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Sheep: 2, Goat: 2

Port Alfred, Port Alfred Veterinary Clinic

Sheep: 2

Foot abscesses - Shaw park

Goat: 1

Foot abscesses - Martindale

Somerset East, Bosberg Veterinary Clinic

Dairy: 2

Uitenhage, Uitenhage Dierehospitaal

Sheep: 1

Western Cape**Ceres, Ceres Veterinary Hospital**

Beef: 2

Darling, Darling Dierekliek

Sheep: 3

Reported by farmers

Heidelberg (WC), Heidelberg Dierekliek

Dairy: 2

Malmesbury, Malmesbury Dierehospitaal

Dairy: 2

Oudtshoorn, Ostrimed

Sheep: 2

Swellendam, Swellendam Dierehospitaal

Dairy: 3, Sheep: 2

Northern Cape**Colesburg, Karoo Veterinary Hospital**

Sheep: 2

Foot rot

Lung infection									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.8 (4)	1.3 (4)		2.0 (2)	1.8 (10)	2.0 (10)	2.0 (8)	2.0 (8)	2.0 (2)
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef	1.7 (3)	1.0 (1)		2.0 (2)	2.0 (5)	2.0 (7)	1.0 (1)	2.0 (1)	1.0 (1)
Dairy		1.0 (1)			2.0 (1)		3.0 (1)	2.5 (2)	
Sheep	2.0 (1)	1.5 (2)			1.5 (4)	2.0 (1)	2.3 (4)	1.8 (5)	3.0 (1)
Goat						2.0 (2)	1.5 (2)		
Mpumalanga									
Balfour, Balfour Dierekliniek									
Beef: 1									
Middelburg , Middelburg Dierehospitaal									
Beef: 2									
Standerton, Standerton Dierehospitaal									
Beef: 2, Sheep: 2									
Gauteng									
Bronkhorstspuit, Kerkstraat Dierekliniek									
Beef: 1, Dairy: 1, Sheep: 2									
Pretoria, Anima Veterinary Consulting Rooms									
Sheep: 1									
North West									
Leeudoringstad, Leeudoringstad Dierekliniek									
Beef: 3									
Pneumonia in calves									
Lichtenburg, Silver Cross veterinary Herd Health									
Beef: 1									
Free State									
Bethlehem, Bethlehem Animal Hospital									
Sheep: 1									
Bothaville, Cape Cross Bothaville Veterinary Hospital									
Dairy: 2									
Harrismith, Harrismith Dierehospitaal									
Beef: 2, Sheep: 2									
Ladybrand, Ladybrand / Excelsior Dierekliniek									
Beef: 1									
Memel, Memel Veterinary Clinic									
Beef: 3									
Reitz, Riemland Dierekliniek									
Beef: 2									
Villiers, Wilgepoort Dierekliniek Vennootskap									
Beef: 2, Sheep: 2									
Vrede, Vrede Dierehospitaal									
Sheep: 1									
Kwazulu-Natal									
Bergville, Bergville Veterinary Clinic									
Beef: 2									
Bergville, Tugela Vet Clinic									

Beef: 2, Sheep: 2, Goat: 2

Dundee, Endumeni Herd health

Beef: 2

Estcourt, Estcourt Vet Clinic

Beef: 2

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2, Goat: 2

Newcastle, Ncanduvet Newcastle

Beef: 1

Pietermaritzburg, Richmond Veterinay Clinic

Beef: 3

Eastern Cape

Aliwal North, Hertzogbrug Dierekliniek

Sheep: 3

Graaff-Reinet, Camdeboo Veterinary Clinic

Sheep: 1, Goat: 1

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Sheep: 2, Goat: 2

Port Alfred, Port Alfred Veterinary Clinic

Beef: 1

Port Alfred

Somerset East, Bosberg Veterinary Clinic

Dairy: 3, Sheep: 3

Western Cape

Beaufort West, Beaufort West State Vet

Sheep: 2

Caledon, Overberg Veterinary Hospital

Sheep: 2

Ceres, Ceres Veterinary Hospital

Sheep: 2

Heidelberg (WC), Heidelberg Dierekliniek

Sheep: 2

Malmesbury, Bergzicht Dierehospitaal

Beef: 2, Sheep: 1

Malmesbury, Dr Otto Kriek

Dairy: 3

An annual occurrence at this time of the year. It is important to vaccinate , control dust/ammonia build-up in feed pens. Small dairy calves are often subjected to cold/hot temperatures because of inadequate protection in the housing. Unpainted/uncovered corrugated iron pens for small calves don't provide sufficient shelter against nature's elements. A small dairy calf's thermo-neutral zone is around 20 degrees Celsius and any variation impacts on performance.

Malmesbury, Malmesbury Dierehospitaal

Dairy: 2

Northern Cape

Calvinia, Calvinia Veeartskliniek

Sheep: 3

Pasteurella pneumonia

Kimberley, Kimberley Dierekliniek

Beef: 1

Mastitis in general

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (2)	1.5 (2)	3.0 (1)	2.5 (4)	2.0 (2)	2.3 (7)	1.8 (4)	2.0 (6)	

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

reported								
Beef	1.0 (1)		3.0 (1)	2.3 (3)	2.0 (1)	2.0 (1)	1.0 (1)	
Dairy	3.0 (1)	1.0 (1)			2.0 (1)	2.3 (6)	2.5 (2)	2.0 (6)
Sheep		2.0 (1)		3.0 (1)			1.0 (1)	

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1

Delmas, Dr Johan Jooste

Dairy: 3

Gauteng

Pretoria, Anima Veterinary Consulting Rooms

Sheep: 2

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Dairy: 1

Limpopo

Polokwane, Pietersburg Veterinary Clinic

Beef: 3

North West

Brits, Brits Dierekliniek

Beef: 2

Christiana, Christiana Dierhospitaal

Beef: 3, Sheep: 3

Lichtenburg, Silver Cross veterinary Herd Health

Beef: 2

Free State

Bothaville, Cape Cross Bothaville Veterinary Hospital

Dairy: 2

Parys, Parys Dierhospitaal

Beef: 2

Kwazulu-Natal

Bergville, Tugela Vet Clinic

Dairy: 1

Dundee, Endumeni Herd health

Dairy: 3

Estcourt, Estcourt Vet Clinic

Dairy: 3

Mooi River, Mooirivier Vet Clinic

Dairy: 3

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2

Ulundi, Dr. Ben Muller CCS Vet

Dairy: 1

Underberg, Underberg Veterinary Surgery

Dairy: 3

Eastern Cape

Alexandria, Alexandria Platteland Spreekkamer

Dairy: 2

Humansdorp, Humansdorp Veterinary Clinic

Beef: 1

Somerset East, Bosberg Veterinary Clinic

Dairy: 3

Uitenhage, Uitenhage Dierhospitaal

Sheep: 1

Western Cape

Heidelberg (WC), Heidelberg Dierekliniek

Dairy: 2

Malmesbury, Bergzicht Dierehospitaal

Dairy: 1

Malmesbury, Malmesbury Dierehospitaal

Dairy: 3

Oudtshoorn, Deltamune

Dairy: 3

Samples submitted from all over RSA

Oudtshoorn, Ostrimed

Dairy: 1

Swellendam, Swellendam Dierehospitaal

Dairy: 2

Navel Ill

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)			
Dairy								2.0 (1)	

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

Beef: 1

Western Cape**Malmesbury, Malmesbury Dierehospitaal**

Dairy: 2

Redgut (Sheep)

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

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

Sheep					2.0 (1)		1.0 (1)		
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Free State**Villiers, Wilgepoort Dierekliniek Vennootskap**

Sheep: 2

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

Sheep: 1

Trauma

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

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

Mpumalanga

Standerton, Econovet

Beef: 1

Traumatic pericarditis (wire penetrating heart sack)

Gauteng

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 1

Fracture

Goat: 1

Fracture

Limpopo

Bela-Bela, Warmbad Dierekliniek

Sheep: 1

Traumatic pericarditis

Free State

Ladybrand, Ladybrand / Excelsior Dierekliniek

Beef: 1

Traumatic pericarditis

Trompsburg, Dr. Wyn Irwin

Beef: 1

Kwazulu-Natal

Ingogo, Gen XY Stud Beef Consultancy

Beef: 2

Eastern Cape

Somerset East, Bosberg Veterinary Clinic

Beef: 2

Traumatic pericarditis (wire protruding into heart sack)

Dairy: 2

Traumatic pericarditis (wire protruding into heart sack)

Western Cape

Beaufort West, Beaufort West State Vet

Sheep: 1

Trauma lead to the development of peritonitis

Malmesbury, Dr Otto Kriek

Dairy: 1

Traumatic pericarditis (wire penetrating the heart sack)

Malmesbury, Malmesbury Dierhospitaal

Dairy: 1

Traumatic pericarditis

Downer



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

Beef	1.0 (1)	2.0 (1)	2.0 (1)
Dairy		2.0 (3)	2.0 (1)
Goat			2.0 (1)

Mpumalanga

Grootvlei, Grootvlei Dierekliniek

Beef: 1

Free State

Bothaville, Cape Cross Bothaville Veterinary Hospital

Dairy: 2

Clocolan, Clocolan Dierekliniek

Dairy: 2

Ladybrand, Ladybrand / Excelsior Dierekliniek

Dairy: 2

Wesselsbron, Wesselsbron Dierekliniek

Beef: 2

Kwazulu-Natal

Estcourt, Estcourt Vet Clinic

Dairy: 2

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2, Goat: 2

Other

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

Beef		1.0 (1)							
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Gauteng

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 1

Haematoma penis

Metabolic Diseases

Acidosis

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

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

Gauteng

Pretoria, Anima Veterinary Consulting Rooms

Sheep: 1

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 1

North West

Brits, Brits Dierekliniek

Beef: 3

Leeudoringstad, Leeudoringstad Dierekliniek

Sheep: 3

Free State

Clocolan, Clocolan Dierekliniek

Beef: 3

Reitz, Riemland Dierekliniek

Dairy: 2

Vrede, Vrede Dierehospitaal

Sheep: 2

Wesselsbron, Wesselsbron Dierekliniek

Sheep: 1

Kwazulu-Natal

Dundee, Endumeni Herd health

Dairy: 2

Kokstad, E.G.Veterinary Services

Beef: 2

Due to drought farmer's feeding concentrates at a high level

Eastern Cape

Somerset East, Bosberg Veterinary Clinic

Dairy: 2

Excessive energy

Western Cape

Stellenbosch, Stellenbosch Animal Hospital

Beef: 1

Swellendam, Swellendam Dierehospitaal

Dairy: 1

One outbreak - cattle average on grapes (10 affected, one died)

Displaced abomasum [^](#)

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

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

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

Gauteng

Bronkhorstspuit, Kerkstraat Dierekliniek

Beef: 1

Free State**Clocolan, Clocolan Dierekliniek**

Dairy: 1

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

Dairy: 2

Estcourt, Estcourt Vet Clinic

Dairy: 3

Western Cape**Darling, Darling Dierekliniek**

Dairy: 2

Ketosis

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

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

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

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

Dairy: 1

Free State**Clocolan, Clocolan Dierekliniek**

Sheep: 2

Ficksburg, Oos Vrystaat Diere Produkte

Dairy: 1

Hertzogville, Hertzogville Dierekliniek

Sheep: 2

Hoopstad, Hoopstad Dierekliniek

Sheep: 2

Ladybrand, Ladybrand / Excelsior Dierekliniek

Dairy: 2

Reitz, Riemland Dierekliniek

Sheep: 2

Western Cape**Caledon, Overberg Veterinary Hospital**

Sheep: 1

Milk Fever

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

Dairy		1.5 (2)	2.0 (1)	3.0 (1)
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Free State

Clocolan, Clocolan Dierekliniek

Dairy: 2

Ladybrand, Ladybrand / Excelsior Dierekliniek

Dairy: 1

Kwazulu-Natal

Estcourt, Estcourt Vet Clinic

Dairy: 2

Western Cape

George, George Animal Hospital

Dairy: 3

Reproductive diseases

Dystocia (Difficult Births)

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.3 (10)	1.3 (3)	1.0 (2)	2.3 (6)	1.9 (18)	1.8 (11)	2.0 (5)	1.9 (8)	

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

Beef	1.4 (8)	2.0 (1)	1.0 (1)	2.4 (5)	1.9 (13)	1.8 (5)	1.7 (3)	1.7 (3)	
Dairy					1.0 (1)	2.0 (4)	2.5 (2)	2.0 (5)	
Sheep		1.0 (1)	1.0 (1)	2.0 (1)	2.0 (4)	2.0 (1)			
Goat	1.0 (2)	1.0 (1)				1.0 (1)			

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1, Goat: 1

Bethal, Bethal Dierekliniek

Beef: 1, Goat: 1

Delmas, Dr Johan Jooste

Beef: 1

Grootvlei, Grootvlei Dierekliniek

Beef: 2

Middelburg, Middelburg Dierehospitaal

Beef: 1

Nelspruit, Nelspruit Animal Hospital

Beef: 1

Standerton, Econovet

Beef: 3

Volksrust, Cape Cross Volksrust Dierehospitaal

Beef: 1

Gauteng

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 2, Sheep: 1, Goat: 1

Limpopo

Polokwane, Pietersburg Veterinary Clinic

Beef: 1, Sheep: 1

North West**Brits, Brits Dierekliniek**

Beef: 2, Sheep: 2

Christiana, Christiana Dierehospitaal

Beef: 3

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 3

Lichtenburg, Silver Cross veterinary Herd Health

Beef: 1

Stella, Stella Dierekliniek

Beef: 3

Free State**Clocolan, Clocolan Dierekliniek**

Beef: 2

Dewetsdorp, Platkop Dierekliniek

Beef: 1, Sheep: 1

Ficksburg, Oos Vrystaat Dier Produkte

Beef: 2

Harrismith, Harrismith Dierehospitaal

Beef: 2

Hertzogville, Hertzogville Dierekliniek

Beef: 2

Hoopstad, Hoopstad Dierekliniek

Beef: 1, Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 2

Ladybrand, Ladybrand / Excelsior Dierekliniek

Beef: 2, Dairy: 1

Memel, Memel Veterinary Clinic

Beef: 3

Reitz, Riemland Dierekliniek

Beef: 2

Trompsburg, Dr. Wyn Irwin

Sheep: 2

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2

Vrede, Vrede Dierehospitaal

Beef: 2

Wesselsbron, Wesselsbron Dierekliniek

Sheep: 2

Winburg, Winburg Dierekliniek

Beef: 2

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

Beef: 2

Dundee, Endumeni Herd health

Beef: 2, Dairy: 2

Estcourt, Estcourt Vet Clinic

Dairy: 2

Mooi River, Mooirivier Vet Clinic

Beef: 1, Dairy: 1

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2, Goat: 1

Pietermaritzburg, Richmond Veterinay Clinic

Beef: 2, Sheep: 2

Underberg, Underberg Veterinary Surgery

Dairy: 3

Eastern Cape

Alexandria, Alexandria Platteland Spreekkamer

Dairy: 2

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Beef: 1

Somerset East, Bosberg Veterinary Clinic

Beef: 3, Dairy: 3

Uitenhage, Uitenhage Dierehospitaal

Beef: 1

Western Cape**Caledon, Overberg Veterinary Hospital**

Beef: 2

Ceres, Ceres Veterinary Hospital

Beef: 2

Heidelberg (WC), Heidelberg Dierekliniek

Dairy: 1

Malmesbury, Bergzicht Dierehospitaal

Beef: 1, Dairy: 1

Malmesbury, Dr Otto Kriek

Dairy: 2

Malmesbury, Malmesbury Dierehospitaal

Dairy: 3

Swellendam, Swellendam Dierehospitaal

Dairy: 3

Endometritis

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

Dairy					2.0 (3)	2.0 (2)		2.5 (2)	
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Free State**Clocolan, Clocolan Dierekliniek**

Dairy: 2

Ficksburg, Oos Vrystaat Diere Produkte

Dairy: 1

Ladybrand, Ladybrand / Excelsior Dierekliniek

Dairy: 3

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

Dairy: 1

Estcourt, Estcourt Vet Clinic

Dairy: 3

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

Dairy: 2

Malmesbury, Bergzicht Dierehospitaal

Dairy: 3

Metritis

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

Beef	3.0 (1)				
Dairy		2.0 (1)	2.5 (2)	3.0 (2)	2.3 (3)

Mpumalanga

Delmas, Dr Johan Jooste

Beef: 3

Free State

Clocolan, Clocolan Dierekliniek

Dairy: 2

Kwazulu-Natal

Estcourt, Estcourt Vet Clinic

Dairy: 3

Underberg, Underberg Veterinary Surgery

Dairy: 2

Eastern Cape

Kareedouw, Tenax Vet Clinic

Dairy: 3

108 Metritis cases treated

Somerset East, Bosberg Veterinary Clinic

Dairy: 3

Western Cape

Malmesbury, Dr Otto Kriek

Dairy: 1

Malmesbury, Malmesbury Dierehospitaal

Dairy: 3

Swellendam, Swellendam Dierehospitaal

Dairy: 3

Poor conception

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.5 (4)			2.5 (2)	3.0 (4)	2.8 (8)	1.7 (3)	3.0 (3)	

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

Beef	2.3 (3)			2.5 (2)	3.0 (3)	2.7 (6)	1.0 (2)		
Dairy						3.0 (1)		3.0 (2)	
Sheep	3.0 (1)				3.0 (1)	3.0 (1)	3.0 (1)	3.0 (1)	

Mpumalanga

Delmas, Dr Johan Jooste

Beef: 2

Ermelo, Mōregloed Veterinêre Spreekkamer

Beef: 2

Poor grazing conditions in early summer.

Standerton, Econovet

Beef: 3, Sheep: 3

North West

Christiana, Christiana Dierehospitaal

Beef: 3

Lichtenburg, Silver Cross veterinary Herd Health

Beef: 2

Free State

Clocolan, Clocolan Dierekliniek

Beef: 3, Sheep: 3

Ladybrand, Ladybrand / Excelsior Dierekliniek

Beef: 3

Winburg, Winburg Dierekliniek

Beef: 3

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 3

Trichomonosis and dry early summer

Bergville, Tugela Vet Clinic

Beef: 2

Estcourt, Estcourt Vet Clinic

Beef: 3, Dairy: 3

Mooi River, Moirivier Vet Clinic

Beef: 3, Sheep: 3

Pietermaritzburg, Richmond Veterinay Clinic

Beef: 2

Ulundi, Dr. Ben Muller CCS Vet

Beef: 3

Eastern Cape

Middelburg (EC), Steynsburg Dierehospitaal

Sheep: 3

Queenstown, Queenstown Veterinary clinic

Beef: 1

Due to vibriosis

Somerset East, Bosberg Veterinary Clinic

Beef: 1

Western Cape

Malmesbury, Malmesbury Dierehospitaal

Dairy: 3

Swellendam, Swellendam Dierehospitaal

Dairy: 3

Vredenburg, Vredenburg Dierehospitaal

Sheep: 3

Sheep in poor condition due to drought conditions in the Sandveld, 20% not pregnant and only 10% with twins.

Retained afterbirth									
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 (6)		1.0 (1)	1.8 (4)	
Beef		1.0 (1)		2.0 (1)	1.7 (3)			2.0 (1)	
Dairy					2.0 (2)		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

Sheep										1.0 (1)
Gauteng										
Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic										
Beef: 1										
North West										
Christiana, Christiana Dierehospitaal										
Beef: 2										
Free State										
Bothaville, Cape Cross Bothaville Veterinary Hospital										
Dairy: 1										
Bultfontein, Greylingrust Dieresprekkamer										
Beef: 2										
Clocolan, Clocolan Dierekliniek										
Beef: 2										
Ladybrand, Ladybrand / Excelsior Dierekliniek										
Beef: 1, Dairy: 3										
Trompsburg, Dr. Wyn Irwin										
Sheep: 1										
Eastern Cape										
Somerset East, Bosberg Veterinary Clinic										
Dairy: 1										
Western Cape										
Ceres, Ceres Veterinary Hospital										
Beef: 2										
Malmesbury, Bergzicht Dierehospitaal										
Dairy: 1										
Malmesbury, Malmesbury Dierehospitaal										
Dairy: 2										
Swellendam, Swellendam Dierehospitaal										
Dairy: 2										
Sheath Prolaps										^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape	
Average						1.0 (1)				
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported										
Beef						1.0 (1)				
Kwazulu-Natal										
Mtubatuba, Mtubatuba Animal Clinic										
Beef: 1										
Uterus prolaps										^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape	
Average	1.0 (1)				1.7 (3)	1.5 (2)		1.0 (3)		
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported										
Beef	1.0 (1)				1.7	1.0 (1)				

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

Mpumalanga

Grootvlei, Grootvlei Dierekliniek

Beef: 1

Free State

Clocolan, Clocolan Dierekliniek

Beef: 2

Ficksburg, Oos Vrystaat Dier Produkte

Beef: 1

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 1

Estcourt, Estcourt Vet Clinic

Dairy: 2

Western Cape

Heidelberg (WC), Heidelberg Dierekliniek

Dairy: 1

Malmesbury, Bergzicht Dierehospitaal

Sheep: 1

Stellenbosch, Stellenbosch Animal Hospital

Dairy: 1

Vaginal (Cervical) prolaps

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

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

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

Mpumalanga

Grootvlei, Grootvlei Dierekliniek

Beef: 1

Free State

Clocolan, Clocolan Dierekliniek

Beef: 2

Hoopstad, Hoopstad Dierekliniek

Beef: 1

Reitz, Riemland Dierekliniek

Beef: 2

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2, Sheep: 2

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 3

Dundee, Endumeni Herd health

Beef: 1

Estcourt, Estcourt Vet Clinic

Beef: 2

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2

Western Cape

Stellenbosch, Stellenbosch Animal Hospital

Beef: 1

Climatical Cause

Cold exposure

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

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

Sheep					1.0 (1)				
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Free State

Vrede, Vrede Dierehospitaal

Sheep: 1

Drought

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

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

Beef				3.0 (1)	3.0 (2)	2.3 (3)	3.0 (1)		3.0 (1)
Dairy					3.0 (1)	2.0 (1)			
Sheep					3.0 (1)		3.0 (1)		3.0 (1)

North West

Stella, Stella Dierekliniek

Beef: 3

Roughage shortage

Free State

Dewetsdorp, Platkop Dierekliniek

Beef: 3, Dairy: 3, Sheep: 3

Trompsburg, Dr. Wyn Irwin

Beef: 3

Patchy rainfall, Smithfield and Trompsburg very dry, West of Bloemfontein patchy rainfall. Malnutrition -Ingestion of plastic bags in township cattle - poor condition.

Kwazulu-Natal

Estcourt, Estcourt Vet Clinic

Beef: 2, Dairy: 2

Kokstad, E.G.Veterinary Services

Beef: 2

Normal to poor rainfall. Will have nutritional problems in winter.

Underberg, Waterford Farm, Underberg

Beef: 3

Scary winter lies ahead due to roughage shortage.

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

Beef: 3

Malnutrition, persistent drought in parts of district

Sheep: 3

Northern Cape**Upington, Upington Veterinary Clinic**

Beef: 3, Sheep: 3

Heat stress

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

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

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

North West**Brits, Brits Dierekliniek**

Dairy: 3

Free State**Bloemfontein, Dr Stephan Wessels**

Beef: 1

Heat stroke

Clocolan, Clocolan Dierekliniek

Beef: 3, Sheep: 3

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

Dairy: 3

Lightning

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (3)			2.0 (1)	2.2 (5)	2.0 (2)	2.0 (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	2.5 (2)			2.0 (1)	2.2 (5)	2.0 (2)	2.0 (2)		2.5 (2)
Sheep	1.0 (1)								

Mpumalanga

Balfour, Balfour Dierekliniek

Sheep: 1

Standerton, Econovet

Beef: 2

Volksrust, Cape Cross Volksrust Dierehospitaal

Beef: 3

North West

Leeudoringstad, Leeudoringstad Dierekliniek

Beef: 2

One bull and 3 cows

Free State

Clocolan, Clocolan Dierekliniek

Beef: 3

Harrismith, Harrismith Dierehospitaal

Beef: 3

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 1

Vrede, Saulshoek Dierepraktyk

Beef: 2

Vrede, Vrede Dierehospitaal

Beef: 2

Kwazulu-Natal

Estcourt, Estcourt Vet Clinic

Beef: 1

Newcastle, Ncanduvet Newcastle

Beef: 3

Eastern Cape

Queenstown, Queenstown Veterinary clinic

Beef: 2

Somerset East, Bosberg Veterinary Clinic

Beef: 2

Northern Cape

Kimberley, Kimberley Dierekliniek

Beef: 3

17 cattle

Upington, Upington Veterinary Clinic

Beef: 2

4 cattle dropped dead all facing the same direction. Five month old calf blind was probably in the same area.

Frozen to death [^](#)

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

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

Dairy						2.0 (1)			
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Kwazulu-Natal

Camperdown, Camperdown Vet Clinic

Dairy: 2

Malnutrition of calves

Residues

Drug residues

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

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

Dairy						1.0 (1)			
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Kwazulu-Natal

Estcourt, Estcourt Vet Clinic

Dairy: 1

Non specific diseases

Cause of death not established

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

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

Sheep		1.0 (1)							
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Gauteng

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Sheep: 1

Dog bite wounds

Preditors

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

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

Beef					3.0 (1)				
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Sheep					2.7 (3)				
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Free State

Clocolan, Clocolan Dierekliniek

Beef: 3, Sheep: 3

Ladybrand, Ladybrand / Excelsior Dierekliniek

Sheep: 3

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 2

Sabotation - Theft [^](#)

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

Free State
Clocolan, Clocolan Dierekliniek
 Beef: 3, Sheep: 3
Villiers, Wilgepoort Dierekliniek Vennootskap
 Beef: 2, Sheep: 2

Trauma [^](#)

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

North West
Klerksdorp, Buffeldoorn Dierehospitaal
 Beef: 1
Eastern Cape
Somerset East, Bosberg Veterinary Clinic
 Dairy: 2
 Electrocutation on centre pivot - earth problem
Western Cape
Plettenberg Bay, Plettenberg Bay A Reitz
 Beef: 1

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