

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

August 2015

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

Click on Disease Reports

The following practices and laboratories (115) submitted reports during August 2015:

Mpumalanga (10)

Bethal – Dr. Hardus Pieters
Ermelo – Drs. Potgieter and Steinberg
Grootvlei – Dr. Neels van Wyk
Lydenburg – Drs. Trümpelmann and Steyn
Nelspruit – Dr. André Beytell
Middelburg – Drs. Fourie and Erasmus
Piet Retief - Drs. Niebuhr and Weber
Standerton – Dr. Kobie Kroon
Standerton – Drs. Nel, Swart, Van der Merwe en Berg
Volksrust – Drs. Watson and Solomon

Gauteng (8)

Bapsfontein – Drs. Engelbrecht, Olivier and Ribbens
Bronkhorstspuit – Drs. De Bruin, De Bruin, Rudolph and Slabber
Johannesburg – Dr. Sheelagh Higgerty
Krugersdorp – Drs. Jeffery, Van Eeden and Walker
Nigel – Dr. Cindy van der Westhuizen
Onderstepoort Veterinary Academic Hospital – Proff. Annandale, Prozesky, Shakespear, Holm and Drs. Blignaut, Carrington, Gratwick, Grobler, Harmse and O’Dell
Pretoria – Dr. Hanneke Pienaar

Limpopo (5)

Lephalale (Ellisras) – Dr. Brigitte Luck
Mokopane (Potgietersrus) - Dr. Henk Visser
Naboomspruit – Prof. Dietmar Holm
Polokwane (Pietersburg) – Drs. Watson, Viljoen, Jansen Van Vuuren, Van Rooyen, Snyman and Cremona
Vaalwater - Dr. Hampie van Staden

North West (8)

Bloemhof/Schweizer-Reneke – Dr. Cizelle Naude
Brits – Drs. Boshoff and Coertze
Christiana - Dr. Pieter Nel
Klerksdorp – Drs. Van den Berg and Theron
Klerksdorp – Dr. Pieter Venter
Leeudoringstad - Dr. Ian Jonker
Stella - Dr. Magdaleen Vosser
Vryburg – Dr. Jurie Kritzinger

Free State (24)

Bethlehem – Drs. Strydom and Strydom
Bothaville – Dr. Johan Blaauw
Bultfontein – Dr. Santjie Pieterse
Clocolan – Dr. Liezel Wasserman
Dewetsdorp – Dr. Marike Badenhorst
Ficksburg – Drs. Kotze and Coetzer
Frankfort - Drs. Lessing, Cilliers and Janse van Rensburg
Harrismith - Drs. Thirion, Pretorius and Nel
Hertzogville – Dr. Nico Hendrikz
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 van Niekerk
Reitz - Dr. Murray Smith
Sasolburg – Dr. Letitia Swartz
Senekal – Dr. Theo Kotzé
Viljoenskroon - Dr. Johan Kahts
Villiers – Drs. Hattingh en Hauptfleisch
Vrede – Drs. Myburgh and Bester-Cloete
Vrede – Dr. Rudolph Fourie
Wesselsbron – Dr. Johan Jacobs
Zastron – Dr. Phillip Brand

KwaZulu-Natal (19)

Bergville - Dr. Ariena Shepherd
Bergville – Dr. Jubie Muller
Camperdown – Dr. Anthony van Tonder
Dundee - Dr. Tony Grace
Dundee – Drs. Marais and Fynn
Estcourt – Drs. Turner, Tedder, Taylor, Tratschler, Van Rooyen and Alwar
Greytown – Dr. Mike Caldicott

Howick – Drs. Hughes, Lund, Gordon, Allison and Taylor
Ingogo – Dr. Trish Oglesby
Kokstad- Drs. Clowes and Shrives
Mooi River - Drs. Fowler, Hartley, Waterman and Mallet
Mtubatuba – Dr. Trevor Viljoen
Newcastle – Dr. Barry Rafferty
Pietermaritzburg – Dr. Rick Mapham
Pietermaritzburg – Dr. Phillip Kretzmann
Pongola – Dr. Heinz Kohrs
Underberg - Drs. Collins, King and Delaney
Underberg – Dr. Pete Dommett
Vryheid – Drs. Theron and Theron

Eastern Cape (11)

Alexandria - Drs. Olivier and Dreyer
Aliwal North – Drs. Troskie and Strauss
Cradock – Dr. Frans Erasmus
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. Lategan, Hoek and McFarlane
Middelburg, Steynsburg, Barkly East – Drs. Van Rooyen and Viljoen
Port Alfred – Dr. Leon de Bruyn
Stutterheim - Dr. Dave Waterman
Uitenhage – Drs. Mulder and Krüger

Western Cape (16)

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
Oudtshoorn – Dr. Glen Carlisle
Oudtshoorn – Dr. Adriaan Olivier
Piketberg – Dr. André van der Merwe
Plettenberg Bay – Dr. André Reitz
Stellenbosch – Dr. Alfred Kidd
Swellendam – Drs. Malan and Venter
Swellendam – Dr. Norman Pearson
Vredenburg - Dr. Izak Rust

Northern Cape (6)

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

Feedlots (2)

Drs. Morris and Du Preez
 Dr. Andy Hentzen

Laboratory reports (6)

Dr. Marijke Henton - Idexx SA Johannesburg
 Dr. Liza du Plessis – Idexx SA Onderstepoort
 Dr. Lucy Lange – Pathcare Laboratory, Cape Town
 Dr. Annelize Jonker – Provincial Vet Lab, Stellenbosch
 Dr. Alan Fischer – Queenstown Provincial laboratory
 Dr. Rick Last – Vetdiagnostix, Pietermaritzburg

Summary of disease report for July 2015

115 Reports from veterinary practices and laboratories were received (Mpumalanga (MP) 10; Gauteng (G) 8; Limpopo (L) 5; North West (NW) 8; Free State (FS) 24; KwaZulu-Natal (KZN) 19; Eastern Cape (EC) 11; Western Cape (WC) 16; Northern Cape (NC) 6; Feedlots (FL) 2 and Laboratories (Lab) 6).

Reports were also received from practices regarding ostriches, horses and game. These reports as well as the feedlot and laboratory reports are to be seen below the Disease distribution report as reported by veterinarians.

Take home message: Spring is here and this is the time to check on your management and vaccination programmes. Once summer rains fall ticks, internal parasites and insect numbers will increase and then diseases such as African and Asiatic red water, anaplasmosis, blue tongue, lumpy skin disease, three day stiff sickness, Rift Valley Fever, Wesselsbron and African horse sickness may occur. Sit down with your herd veterinarian and update your biosecurity plan!

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				
Wireworm	x	x			x	x	x	x	

Brown stomach-worm						X	X	X	
Large-mouthed bowelworm							X		
Lungworm						X			
Tapeworms	X	X			X	X	X	X	
<i>Parafilaria</i>				X		X			
Liver fluke	X	X			X	X	X	X	
Conical fluke	X				X	X	X	X	
Cysticercosis (measles)	X							X	X
Schistosomiasis (bilharzia)									
Coccidiosis	X	X			X	X	X	X	X

The perception is that internal parasites are not causing a problem in winter. As can be seen from information in the table above farmers should be on the alert for signs indicating internal parasite infestation: anaemia, bottle jaw, weight loss and diarrhoea.

Discuss control and preventative measures with your veterinarian.

External parasites

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

External parasites	MP	G	L	NW	FS	KZN	EC	WC	NC
Blue ticks	X	X	X		X	X	X	X	
Resistant blue ticks	X					X	X		
Heartwater ticks	X	X	X	X	X	X			
Brown ear-ticks			X			X		X	
Bont-legged ticks	X		X	X	X			X	X
Red-legged ticks	X			X	X	X			
Paralysis ticks	X								
Biting lice	X			X	X	X	X		
Sucking lice				X	X				
Itch mites							X		
Sheep scab			X		X		X		
Mange mites	X	X			X			X	
Nuisance flies								X	
Midges									
Blowflies					X				
Screw-worm						X			
Nasal bot	X	X			X				X

Immature stages of the multi-host ticks are present on animals in the winter. Check the inner ear and spot treat if necessary.

Reports of an increase in blue tick (one host tick) numbers were received.

Winter time is lice time. Animals in a poor nutritional state are the most affected. Sucking lice cause anaemia and biting lice cause severe irritation and animals do not feed well.

Tick borne diseases

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

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

The belief is that tick transmitted diseases mainly occur in summer. Reports received from most provinces show that this is not the case and farmers should be on the lookout for clinical signs in order to treat animals in time.

Vaccines are available to control all these diseases. Discuss preventative measures with your veterinarian.

Insect transmittable diseases

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

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

Insect numbers are at a low during the winter months. Now is the time to order vaccines for these diseases so that animals can be vaccinated in time before the rainy season starts in the summer rainfall areas.

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
Vibriosis				x	x	x	x		
Pizzle disease							x		x

New cases of trichomonosis are reported every month and this disease is getting out of hand. Cattle study groups should discuss preventative and control measures with their veterinarians. Farmers are losing millions of Rand due to this disease!

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		
Botulism				x		x			
Pulpy kidney	x			x	x	x	x	x	x
Lamb dysentery					x			x	
Swelled head									
Red gut (cattle)		x			x	x	x		
Blood gut (sheep)	x	x			x	x	x	x	
Tetanus				x	x	x			
Salmonellosis	x			x			x	x	x
Bovine brucellosis	x		x	x	x		x		
Ovine brucellosis					x			x	x
Johne's							x	x	
Leptospirosis			x						
<i>Pseudomonas</i>				x					
Septicaemia						x			x
<i>E. coli</i>	x	x		x	x	x	x	x	
Enzootic abortion				x	x		x	x	
Lumpy wool					x			x	
Uterine gangrene					x		x		
Wooden tongue				x					

Biosecurity for Bovine Brucellosis

As this is so important, I will keep this very important information on the report for a few months. It seems to me that not many farmers realize the danger of not controlling this disease!

The disease

Bovine brucellosis is a contagious bacterial disease of cattle with a very varied incubation period. The only clinical sign that a heifer or cow has the disease may be an abortion and then she will shed millions of bacteria into the environment. Infected heifers or cows that carry their calf to full term will also shed millions of bacteria into the environment at calving. Weak calves may also be born from infected heifers and cows and they may die soon after birth. The incubation period can vary from a few days to a few months and in extreme cases a few years. Heifer calves of infected cows can become infected before birth while in the uterus, and carry the disease without showing any symptoms or reacting positively on blood tests (latent carriers) until they are 4-5 months pregnant when they may abort or seroconvert (become positive on blood tests).

Vaccination

It is very important to vaccinate heifer calves at the age of 4-6 months with *Brucella abortus* Strain 19 vaccine (and mark the heifer calf as vaccinated) as calves should not be vaccinated a second time with Strain 19 as it interferes with the blood tests. Re-vaccination can occur with RB51 without interfering with the blood tests giving false positive reactions. Both vaccines will not give a complete immunity so if a heifer or cow comes into contact with large numbers of bacteria the infective dose

may overpower the immune system and the animal will become infected. Both Strain 19 and RB51 are live vaccines so should be handled with care.

Zoonosis

Brucella abortus is a zoonotic disease i.e. it can infect humans and cause a chronic debilitating disease known as “Undulant Fever”. People can become infected accidentally when working with vaccine – either by injecting themselves (does not have to be a full dose of vaccine to cause disease) or spraying vaccine onto their mucous membranes eg. conjunctiva of the eyes if the calf moves during vaccination; or by helping infected heifers/cows with calving; by removing afterbirths that have not been expelled from infected cows; by handling the weak calf at birth as the amniotic fluids that cover the calf contain millions of bacteria; and drinking raw milk from infected cows.

Blood tests

Another important fact is that not all infected animals are positive on blood tests which means that although infected, they are “negative”. It is because of this that brucellosis is considered a herd disease as one cannot pinpoint all the infected cattle, and the herd is therefore quarantined.

Biosecurity plan

The above knowledge is essential when drawing up a biosecurity plan for your herd. Each plan should be drawn up in consultation with your vet as it must be specific for an individual farm. This biosecurity plan should be adapted as circumstances change.

Tests

First establish if your herd is free of, or infected with bovine brucellosis. Blood samples should be taken from all heifers and cows over the age of 18 months and from bulls. Testing of younger animals can lead to false positive blood results if the animals were vaccinated with Strain 19. Latent carriers will start seroconverting (becoming positive on blood tests) once the heifer has passed 4-5 months of pregnancy. The initial test should be followed up by a second test 3-5 months later, then herd tests every 1 to 2 years. If the herd is infected, the state will take over the control and eradication of the disease.

Vaccination procedure

Vaccinate all heifer calves once with Strain 19 at 4 – 6 months of age and mark the calf as vaccinated. Do not give a second vaccination with Strain 19 as this will interfere with future blood tests. RB51 will not interfere with blood tests and can be used as a booster when the heifer is about a year old to improve individual and herd immunity against brucellosis. Any vaccinations with RB 51 after this age should be done in consultation with your vet.

Use only specific syringes and needles for vaccination against brucellosis. If not cleaned thoroughly these syringes and needles can cause small blood reactions with Strain 19. Ensure that when you are vaccinating against a disease that you have not taken Strain 19 by mistake. Read the instructions on the packaging as Strain 19 vaccine has been changed from a 5ml to a 2ml vaccinate. If you give 5ml of the new 2ml Strain 19 vaccine you will be over vaccinating your calf.

Buying in cattle

Keep your herd as closed as possible and only buy in cattle from another negative herd of the same level of biosecurity or higher than your herd. Ask the seller for a herd history of brucellosis and ask for copies of the regular negative and recent herd tests. Ask whether the herd is closed or not and if the heifer calves were correctly vaccinated with Strain 19 or RB51. If none of the above is in place the risk of buying in any infection is high.

When you buy in cattle keep them isolated from your herd and have them tested for diseases (including brucellosis), and use the opportunity to vaccinate them for other diseases. Treat for internal and external parasites. Once you have done this and are sure that they are free of infectious diseases, then introduce them into your herd.

Be very wary of buying in heifer calves from herds of unknown health status as this is considered an extremely high risk practice.

Fences

Keep your fences in good condition to prevent unwanted cattle from straying onto your farm as you may not know their health status. If your neighbour has a brucella infected herd, keep your cattle from boundary fences if at all possible. If not, do not allow them to graze in camps adjacent to camps where his cows are grazing as brucellosis is a contagious disease and infected uterine material and afterbirths from his infected cows could contaminate your pastures. Ensure that any run off from his farm does not contaminate your pastures or your water (streams, dams etc.) as the brucella bacteria can survive in damp conditions for a few months and infect your cattle.

Abortions

Any abortion occurring on the farm should be presented to a laboratory if at all possible to try and identify the cause of the abortion and exclude brucellosis.

Dogs and wild carnivores can play a role in the spread of infection by dragging infected fetuses or afterbirths between camps or farms.

Infected herds:

If you have an infected herd, biosecurity measures will have to be greatly improved. Immediately inform your neighbours so that they can improve their level of biosecurity. The herd will be tested at regular intervals and once there are no more positive animals on the farm will go through a series of negative tests to declare the herd free of the disease. This is to take the breeding cycle and incubation period into consideration. If at any stage a positive heifer/cow is diagnosed, the whole process will start again.

Remember not all infected cows are initially positive on blood tests so each negative cow should be treated with suspicion as she is potentially infected.

Calving

Cows should calve in isolation and the calving stalls disinfected after each calving.

As infected cows can calve normally and still excrete millions of bacteria, remove the afterbirth immediately and destroy it and disinfect the area on the pasture where a cow has calved.

Cows should be kept in smaller groups so if a cow aborts she will infect fewer cows.

Isolation of positive cows

Positive cows should be isolated from negative cows immediately and not allowed to calve down on the farm as this increases the risk to spread the disease dramatically.

Heifer calves from infected cows should be marked as such and sent for slaughter at an abattoir when they have reached slaughter weight. The risk of them being latent carriers of the disease is too high to leave them in the herd. The risk of a “two year breakdown” when they calve and infect the farm once more is too great.

Colostrum of positive cows

Colostrum from positive cows should not be collected and used for calves from negative cows. The colostrum contains millions of bacteria that can infect the calf who will become a latent carrier and become a source of infection when she aborts or calves. All milk should be pasteurised/boiled before consumption to prevent infection of humans.

RB 51

The herd immunity can be improved by adult vaccination with RB51 to reduce spreading of the disease and reduce the number of bacteria shed during calving. This vaccination must only be done in consultation with your veterinarian.

The blood tests for bovine brucellosis done at state laboratories are done for free whether the herd is infected or free of the disease.

The above are guidelines for a biosecurity programme to exclude or eradicate bovine brucellosis from a herd and does not consider other diseases. A comprehensive programme on biosecurity should be discussed with your vet.

Written by Dr. Sewellyn Davey, State Veterinarian, Western Cape (SewellynD@elsenburg.com)

Update your vaccination programme and order vaccines and booster doses in advance!

Viral diseases

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

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

IBR	X	X		X	X	X		X	
BRSV						X			
PI3									
Enzootic bovine leucosis (EBL)	X					X	X	X	
Jaagsiekte						X			
Orf	X	X		X	X	X	X	X	
Warts	X	X		X	X	X	X	X	
Sheep leucosis									

The incidence of snotsiekte is increasing due to game farming. As there is no vaccine at present against this disease, this disease has to be managed. Discuss measures with your veterinarian.

The same can be said for EBL –this debilitating disease is costing the dairy farmer huge amounts of money.

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

Discuss vaccination programmes with your veterinarian.

Toxicities

The following toxicities were reported by practices in the provinces:

Toxicities	MP	G	L	NW	FS	KZN	EC	WC	NC
Cardiac glycoside					X	X		X	
<i>Cestrum</i> (ink berry)		X					X		
<i>Cynanchum</i> (bobbejaantou)									
Facial eczema									
<i>Lantana</i>						X	X		
Nitrate									
Prussic acid									
<i>Senecio</i>						X	X		
Tulip	X	X			X	X	X	X	
Geeldikkop (duwweltjies)								X	
Vermeersiekte									
Mycotoxiosis									
Diplodiosis					X	X	X	X	
Harpuisbos								X	
Syringa berries		X							
Kraalbos									
Crotolaria									
Radish									
Bracken fern									
Water contamination					X				
Urea	X			X	X	X	X		
Snake bite					X				

Blue green algae						x			x
Copper									
Selenium									
Zinc								x	
Paraquat									
Phosamine									

With the present dry conditions in many parts of the country the only green vegetation is tulip leaves. Young animals graze the leaves and are poisoned and many deaths were reported. The antidote is activated charcoal at 2 gram per kg body weight.

<http://landbou.com/kundiges/vra-vir-faffa/gif-en-geaktiveerde-houtskool/>

Look for ink berry plants which are deadly if eaten by animals. This plant is spread by birds eating the fruits.

Nutritional deficiencies

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

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

Due to winter and drought conditions the energy and protein values of grazing are decreasing. Additional licks and supplementation are therefore needed.

Micro-nutritional deficiencies

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

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

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

Multifactorial diseases and other conditions

The following conditions were reported by practices in the provinces

Multifactorial diseases and other conditions	MP	G	L	NW	FS	KZN	EC	WC	NC
Abortions	x	x	x	x	x	x	x	x	x
Stillbirths					x	x			
Abscesses	x	x	x	x	x	x	x	x	x
Bladder stones	x				x			x	
	mp	g	l	nw	fs	kz	ec	wc	nc
Blindness						x		x	
Bloat				x	x	x		x	
Blood gut (sheep)					x			x	
Blue udder	x	x		x	x	x	x	x	
Diarrhoea	x	x		x	x	x	x	x	
Epididymitis	x				x				
Eye cancer	x				x	x		x	
Eye infections	x	x		x	x	x	x	x	
Joint ill		x		x			x	x	
Lameness/foot problems	x	x		x	x	x	x	x	
Lung infection	x	x	x	x	x	x	x	x	x
Mastitis	x	x		x	x	x	x	x	
Navel ill				x	x	x		x	
Red gut (sheep)					x			x	
Trauma	x	x			x	x			
Downer	x			x	x	x		x	

Other conditions: cystitis and rectal prolapse

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	x	
Displaced abomasum	x				x	x	x	x	
Ketosis	x	x		x	x	x	x	x	
Milk fever	x			x	x	x	x	x	

Due to a lack of energy many ewes with twins contract domsiekte.

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
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Dystocia (difficult births)	X	X	X	X	X	X	X	X	X
Endometritis	X			X	X	X		X	
Metritis	X	X		X	X	X	X	X	
Poor conception	X			X	X	X	X	X	
Retained afterbirth	X			X	X	X	X	X	
Sheath prolapse	X	X				X			
Uterine prolapse	X	X		X	X	X	X	X	
Vaginal prolapse	X	X		X	X	X		X	X

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	X	X	X	
Lightning	X								

Other conditions: drug residues (KZN); Predators (MP,FS, KZ); Theft and sabotage (MP,FS,KZN).

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.

DISEASE DISTRIBUTION REPORT AS REPORTED BY VETERINARIANS

rep_disease_sur	vetprac	
Table of Contents		
<u>Internal Parasites</u>	Roundworms in general , Resistant Round Worms , Wireworm , Brown stomach-worm , Tape Worms , Parafilaria , Liver fluke , Conical Flukes , Cysticercosis , Other	
<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 , Itch mite	
<u>Tick-borne Diseases</u>	African red water , Asiatic red water , Anaplasmosis , Heartwater , Sweating sickness	

<u>Insect Transmittable Diseases</u>	Lumpy skin disease , Three-day-stiffsickness , Blue tongue
<u>Venereal Diseases</u>	Actinobacillus seminis , Trichomonosis , Vibriosis , Pizzle disease
<u>Bacterial Disease (other)</u>	Blackquarter , Botulism , Pulpy Kidney , Lamb dysentery , Swelled head disease , Redgut (cattle) , Blood gut (Sheep) , Tetanus , Salmonellosis , Brucella abortus , Brucella ovis , Johne`s disease , Leptospirosis , Pseudomonas , Septicaemia , E.coli , Enzootic Abortion , Dermatophilosis (Lumpy Wool) , Intrauterine Gangrene , Other
<u>Protozoal diseases (other)</u>	Coccidiosis
<u>Fungal diseases</u>	Ringworm
<u>Viral Diseases (other)</u>	BMC , Rabies , BVD (Bovine viral diarrhoea) , IBR (Infectious bovine rhinotracheitis) , BRSV (Bovine respiratory syncytial virus) , Enzootic Bovine Leucosis (EBL) , Jaagsiekte , Orf , Warts , Other viral disease not listed
<u>Poisonings (Plant) and Fungal</u>	Cardiac glycoside poisoning , Cestrum , Geeldikkop/Dikoor , Lantana , Seneciosis , Tulip Poisoning , Mycotoxicosis , Other
<u>Poisonings</u>	Water contamination , Urea Poisoning , Snake Bite , Blue-green algae , Copper Poisoning , Other
<u>Macro Nutritional Problems</u>	Energy deficiency , Protein deficiency , Phosphate deficiency , Calcium deficiency
<u>Micro Nutritional Problems</u>	Iodine deficiency , Copper deficiency , Zinc deficiency , Selenium deficiency , Magnesium deficiency , Iodine deficiency , Vitamin A deficiency , Vitamin B deficiency
<u>Multi-factorial Disease Conditions</u>	Abortions , Stillbirths , Abscesses , Abscesses in general , Bladder stones , Blindness , Bloat , Blood gut (sheep and goat) , Blue udder , Diarrhoea , Epididymitis , Eye Cancer , Eye infections , Joint Ill , Lameness/Foot Problems , Lung infection , Mastitis in general , Navel Ill , Red gut (Sheep) , Trauma , Downer , Other
<u>Metabolic Diseases</u>	Acidosis , Displaced abomasum , Ketosis , Milk Fever
<u>Reproductive diseases</u>	Dystocia (Difficult Births) , Endometritis , Metritis , Poor conception , Retained afterbirth , Sheath Prolaps , Uterus prolaps , Vaginal (Cervical) prolaps
<u>Climatical Cause</u>	Cold exposure , Lightning , Frozen to death
<u>Residues</u>	Drug residues
<u>Non specific diseases</u>	Cause of death not established , Preditors , Sabotation - Theft , Trauma

Internal Parasites

Roundworms in general



PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)	2.0 (3)	2.5 (4)	2.0 (1)	1.6 (7)	2.1 (8)	2.0 (8)	2.3 (8)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef					2.0 (2)	2.0 (1)		1.0 (1)	
Dairy								2.0 (1)	
Sheep	1.0 (1)	2.5 (2)	2.5 (2)	2.0 (1)	1.4 (5)	2.0 (4)	2.0 (5)	2.5 (6)	
Goat		1.0 (1)	2.5 (2)			2.3 (3)	2.0 (3)		

Mpumalanga									
Middelburg , Middelburg Dierehospitaal									
Sheep: 1									
Gauteng									
Bapsfontein, Bapsfontein Dierehospitaal									
Sheep: 2									
Pretoria, Anima Veterinary Consulting Rooms									
Sheep: 3									
Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic									
Goat: 1									
Limpopo									
Polokwane, Pietersburg Veterinary Clinic									
Sheep: 3, Goat: 3									
Tzaneen, Tzaneen Dierekliniek									
Sheep: 2, Goat: 2									
North West									
Klerksdorp, Klerksdorp Dierehospitaal									
Sheep: 2									
Free State									
Bultfontein, Greylingrust Dierspreekkamer									
Sheep: 1									
Clocolan, Clocolan Dierekliniek									
Sheep: 2									
Frankfort, Frankfort Dierekliniek									
Beef: 2, Sheep: 2									
Harrismith, Harrismith Dierehospitaal									
Sheep: 1									
Reitz, Riemland Dierekliniek									
Sheep: 1									
Sasolburg, Sasolburg veearts									
Beef: 2									
Kwazulu-Natal									
Estcourt, Estcourt Vet Clinic									
Sheep: 2, Goat: 3									
Kokstad, E.G.Veterinary Services									
Sheep: 2									
Mtubatuba, Mtubatuba Animal Clinic									
Beef: 2, Goat: 2									
Pongola, Pongola Animal Clinic									
Sheep: 2									
Directly related to nutritional stress									
Goat: 2									

Directly related to nutritional stress									
Vryheid, Dr GH Theron									
Sheep: 2									
Eastern Cape									
Aliwal North, Uitspan C Troskie									
Sheep: 2									
Cradock, Cradock Veterinary Clinic									
Sheep: 2									
Long-necked bankruptworm infestation in lambs									
Graaff-Reinet, Camdeboo Veterinary Clinic									
Sheep: 2, Goat: 2									
Graaff-Reinet, Graaff Reinet Veterinary Clinic									
Sheep: 2, Goat: 2									
Queenstown, Queenstown Provincial Vet Lab									
Sheep: 2, Goat: 2									
Western Cape									
Beaufort West, Beaufort West State Vet									
Sheep: 2									
Low faecal egg count (FEC) of 100 eggs per gram (epg). Another case of long-necked bankruptworm (<i>Nematodirus</i>) on FEC 200 epg.									
Caledon, Overberg Veterinary Hospital									
Sheep: 3									
Ceres, Ceres Veterinary Hospital									
Sheep: 3									
Darling, Darling Dierekliniek									
Sheep: 2									
Long-necked bankruptworm									
George, George Animal Hospital									
Sheep: 2									
Heidelberg (WC), Heidelberg Dierekliniek									
Dairy: 2, Sheep: 3									
Stellenbosch, Stellenbosch Animal Hospital									
Beef: 1									
Resistant Round Worms									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average		1.5 (2)	1.0 (2)		1.0 (1)				
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Sheep		1.5 (2)	1.0 (1)		1.0 (1)				
Goat			1.0 (1)						
Gauteng									
Bapsfontein, Bapsfontein Dierehospitaal									
Sheep: 1									
Pretoria, Anima Veterinary Consulting Rooms									
Sheep: 2									
Limpopo									
Tzaneen, Tzaneen Dierekliniek									
Sheep: 1, Goat: 1									
Free State									

Harrismith, Harrismith Dierehospitaal									
Sheep: 1									
Wireworm									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.5 (2)	2.0 (2)			2.0 (1)	2.5 (4)	3.0 (1)	3.0 (1)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Sheep	2.0 (1)	2.0 (2)			2.0 (1)	2.3 (3)		3.0 (1)	
Goat	1.0 (1)					3.0 (1)	3.0 (1)		
Mpumalanga									
Nelspruit, Nelspruit Animal Hospital									
Goat: 1									
Piet Retief, Pets Vet Hospital									
Sheep: 2									
Gauteng									
Bapsfontein, Bapsfontein Dierehospitaal									
Sheep: 2									
Bronkhorstspuit, Kerkstraat Dierekliniek									
Sheep: 2									
Free State									
Frankfort, Frankfort Dierekliniek									
Sheep: 2									
Kwazulu-Natal									
Estcourt, Estcourt Vet Clinic									
Sheep: 2									
Howick, Howick Veterinary Clinic									
Sheep: 3, Goat: 3									
Kokstad, E.G.Veterinary Services									
Sheep: 2									
Eastern Cape									
Uitenhage, Uitenhage Dierehospitaal									
Goat: 3									
Western Cape									
George, George Animal Hospital									
Sheep: 3									
Brown stomach-worm									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average						3.0 (1)	2.0 (1)	3.0 (1)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Dairy						3.0 (1)			
Sheep							2.0 (1)	3.0 (1)	
Kwazulu-Natal									
Howick, Howick Veterinary Clinic									

Dairy: 3									
Eastern Cape									
Aliwal North, Uitspan C Troskie									
Sheep: 2									
Brown stomachworm in Dohne Merino lambs									
Western Cape									
Heidelberg (WC), Heidelberg Dierekliniek									
Sheep: 3									
Tape Worms									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)	2.0 (1)			1.8 (4)	2.3 (3)	1.0 (2)	2.0 (1)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef					1.0 (1)				
Dairy					2.0 (1)				
Sheep					2.0 (2)	2.3 (3)	1.0 (1)	2.0 (1)	
Goat	1.0 (1)	2.0 (1)					1.0 (1)		
Mpumalanga									
Nelspruit, Nelspruit Animal Hospital									
Goat: 1									
Gauteng									
Bronkhorstspuit, Kerkstraat Dierekliniek									
Goat: 2									
Free State									
Clocolan, Clocolan Dierekliniek									
Dairy: 2									
Frankfort, Frankfort Dierekliniek									
Sheep: 2									
Reitz, Riemland Dierekliniek									
Beef: 1, Sheep: 2									
Kwazulu-Natal									
Estcourt, Estcourt Vet Clinic									
Sheep: 2									
Kokstad, E.G.Veterinary Services									
Sheep: 3									
Vryheid, Dr GH Theron									
Sheep: 2									
Eastern Cape									
Graaff-Reinet, Graaff Reinet Veterinary Clinic									
Goat: 1									
Queenstown, Queenstown Provincial Vet Lab									
Sheep: 1									
Western Cape									
George, George Animal Hospital									
Sheep: 2									
Parafilaria									^

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

North West

Stella, Stella Diereklíniek

Beef: 2

Kwazulu-Natal

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2

Pietermaritzburg, Richmond Veterinay Clinic

Beef: 2

Liver fluke

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (2)	2.0 (1)			1.7 (10)	1.9 (9)	2.0 (3)	2.8 (5)	

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

Beef	2.0 (1)	2.0 (1)			1.9 (8)	1.8 (6)		2.5 (2)	
Dairy						2.5 (2)		3.0 (2)	
Sheep	2.0 (1)				1.0 (2)		2.0 (3)	3.0 (1)	
Goat						1.0 (1)			

Mpumalanga

Piet Retief, Pets Vet Hospital

Sheep: 2

Standerton, Standerton Dierehospitaal

Beef: 2

Gauteng

Bronkhorstspuit, Kerkstraat Diereklíniek

Beef: 2

Free State

Clocolan, Clocolan Diereklíniek

Beef: 2

Frankfort, Frankfort Diereklíniek

Beef: 3

Harrismith, Harrismith Dierehospitaal

Beef: 1

Ladybrand, Ladybrand / Excelsior Diereklíniek

Beef: 1

Memel, Memel Veterinary Clinic

Beef: 3, Sheep: 1

Reitz, Riemland Diereklíniek

Beef: 2

Villiers, Wilgepoort Diereklíniek Vennootskap

Beef: 2
Vrede, Vrede Dierehospitaal
Beef: 1, Sheep: 1
Kwazulu-Natal
Bergville, Tugela Vet Clinic
Beef: 1, Goat: 1
Estcourt, Estcourt Vet Clinic
Dairy: 2
Howick, Howick Veterinary Clinic
Beef: 3, Dairy: 3
Newcastle, Ncanduvet Newcastle
Beef: 2
Pietermaritzburg, Richmond Veterinary Clinic
Beef: 2
Underberg, Underberg Veterinary Surgery
Beef: 1
Vryheid, Dr GH Theron
Beef: 2
Eastern Cape
Cradock, Cradock Veterinary Clinic
Sheep: 3
Liver fluke infestation increasing along the Fish river
Middelburg (EC), Steynsburg Dierehospitaal
Sheep: 1
Queenstown, Queenstown Provincial Vet Lab
Sheep: 2
Western Cape
George, George Animal Hospital
Beef: 3, Dairy: 3, Sheep: 3
Malmesbury, Malmesbury Dierehospitaal
Dairy: 3
Swellendam, Oakhurst Animal Clinic
Beef: 2

Conical Flukes ^

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	3.0 (1)				1.6 (7)	2.3 (3)	2.0 (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					1.6 (5)	2.3 (3)	2.0 (2)	3.0 (1)	
Dairy								3.0 (1)	
Sheep	3.0 (1)				1.5 (2)		2.0 (1)		

Mpumalanga
Standerton, Standerton Dierehospitaal
Sheep: 3
Free State
Frankfort, Frankfort Dierekliniek
Beef: 2
Harrismith, Harrismith Dierehospitaal
Beef: 1

Kroonstad, Kroonstad Dierehospitaal
Sheep: 2
Ladybrand, Ladybrand / Excelsior Dierekliniek
Sheep: 1
Reitz, Riemland Dierekliniek
Beef: 2
Villiers, Wilgepoort Dierekliniek Vennootskap
Beef: 2
Vrede, Vrede Dierehospitaal
Beef: 1
Kwazulu-Natal
Howick, Howick Veterinary Clinic
Beef: 3
Newcastle, Ncanduvet Newcastle
Beef: 1
Pietermaritzburg, Richmond Veterinary Clinic
Beef: 3
Eastern Cape
Graaff-Reinet, Graaff Reinet Veterinary Clinic
Beef: 2
Queenstown, Queenstown Provincial Vet Lab
Beef: 2, Sheep: 2
Western Cape
Ceres, Ceres Veterinary Hospital
Beef: 3
Malmesbury, Malmesbury Dierehospitaal
Dairy: 3

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

Mpumalanga
Bethal, Bethal Dierekliniek
Goat: 1
Nelspruit, Nelspruit Animal Hospital
Beef: 3
Abattoir inspections
Western Cape
Beaufort West, Beaufort West State Vet
Sheep: 2

Taenia multiceps in Angora and Boergoats. Neurological signs seen in animals. Necropsy revealed *Coenerus cerebralis* cysts in the brain of all animals showing signs. The culprit was the owner's sheep dog. It is very important for farmers not to forget about the deworming of dogs, especially working dogs.

Heidelberg (WC), Heidelberg Dierekliniek

Dairy: 1									
Northern Cape									
Kimberley, Kimberley Dierekliniek									
Beef: 2									
Feedlot--abattoir diagnosis									
Other									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average						1.0 (1)	2.0 (2)		
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Dairy						1.0 (1)			
Sheep							2.0 (1)		
Goat							2.0 (1)		
Kwazulu-Natal									
Mooi River, Mooirivier Vet Clinic									
Dairy: 1									
Lung worm									
Eastern Cape									
Queenstown, Queenstown Provincial Vet Lab									
Sheep: 2									
<i>Chabertia ovina</i> (large-mouthed bowelworm)									
Goat: 2									
<i>Chabertia ovina</i>									
External Parasites									
Blue ticks									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.6 (7)	1.0 (1)	1.5 (2)		2.0 (9)	2.0 (9)	1.5 (2)	2.4 (5)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef	1.5 (6)	1.0 (1)	1.5 (2)		1.9 (7)	2.0 (9)	1.5 (2)	2.3 (3)	
Dairy	2.0 (1)				2.0 (1)			2.5 (2)	
Sheep					3.0 (1)				
Mpumalanga									
Delmas, Dr Johan Jooste									
Beef: 2									
Ermelo, Môregloed Veterinêre Spreekkamer									
Beef: 1									
Lydenburg, Lydenburg Dieresprekkamer									
Beef: 1									
Middelburg, Middelburg Dierehospitaal									
Beef: 2									
Nelspruit, Nelspruit Animal Hospital									

Beef: 2, Dairy: 2
Volksrust, Cape Cross Volksrust Dierekliniek
Beef: 1
Gauteng
Bapsfontein, Bapsfontein Dierehospitaal
Beef: 1
Limpopo
Polokwane, Pietersburg Veterinary Clinic
Beef: 1
Vaalwater, Vaalwater Dieresprekkamer
Beef: 2
Tick numbers on the increase
Free State
Harrismith, Harrismith Dierehospitaal
Beef: 2
Hoopstad, Hoopstad Dierekliniek
Beef: 3, Sheep: 3
Kroonstad, Kroonstad Dierehospitaal
Beef: 2, Dairy: 2
Memel, Memel Veterinary Clinic
Beef: 1
Sasolburg, Sasolburg veearts
Beef: 2
Senekal, Melach, Theo Kotze Senekal
Beef: 2
Vrede, Vrede Dierehospitaal
Beef: 1
Kwazulu-Natal
Bergville, Bergville Veterinary Clinic
Beef: 3
Bergville, Tugela Vet Clinic
Beef: 1
Dundee, Endumeni Herd health
Beef: 2
Dundee, Mpati Veterinary Clinic
Beef: 2
Flush of ticks on some farms after the rain and warm days.. spring is here!
Ingogo, Gen XY Stud Beef Consultancy
Beef: 2
Kokstad, E.G. Veterinary Services
Beef: 2
Mtubatuba, Mtubatuba Animal Clinic
Beef: 2
Pietermaritzburg, Richmond Veterinay Clinic
Beef: 3
Underberg, Underberg Veterinary Surgery
Beef: 1
Eastern Cape
Alexandria, Alexandria Platteland Spreekkamer
Beef: 2
Aliwal North, Uitspan C Troskie
Beef: 1
Western Cape
Caledon, Overberg Veterinary Hospital

Dairy: 2
George, George Animal Hospital
Beef: 3, Dairy: 3
Oudtshoorn, Oudtshoorn Dierekliniek
Beef: 1
Plettenberg Bay, Plettenberg Bay A Reitz
Beef: 3

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

Beef	1.0 (2)					2.0 (1)	2.0 (1)		
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Mpumalanga
Ermelo, Môregloed Veterinêre Spreekkamer
Beef: 1
Nelspruit, Nelspruit Animal Hospital
Beef: 1
Kwazulu-Natal
Bergville, Bergville Veterinary Clinic
Beef: 2
Eastern Cape
Alexandria, Alexandria Platteland Spreekkamer
Beef: 2

Heartwater (Bont) ticks									^
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PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
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Average	2.3 (3)	2.0 (2)	3.0 (3)	1.0 (1)	3.0 (1)	2.0 (8)			
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Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef	3.0 (1)	2.0 (1)	3.0 (1)	1.0 (1)	3.0 (1)	2.0 (5)			
Sheep	2.0 (1)	2.0 (1)	3.0 (1)			2.0 (1)			
Goat	2.0 (1)		3.0 (1)			2.0 (2)			

Mpumalanga
Nelspruit, Nelspruit Animal Hospital
Beef: 3, Sheep: 2, Goat: 2
Gauteng
Pretoria, Anima Veterinary Consulting Rooms
Beef: 2, Sheep: 2
Limpopo
Polokwane, Pietersburg Veterinary Clinic
Beef: 3, Sheep: 3, Goat: 3
North West
Christiana, Christiana Dierehospitaal
Beef: 1

Free State
Hoopstad, Hoopstad Direkliniek
Beef: 3
Kwazulu-Natal
Bergville, Bergville Veterinary Clinic
Beef: 2
Dundee, Endumeni Herd health
Beef: 2, Sheep: 2
Mtubatuba, Mtubatuba Animal Clinic
Beef: 2, Goat: 2
Pietermaritzburg, Richmond Veterinay Clinic
Beef: 2
Pongola, Pongola Animal Clinic
Goat: 2
Vryheid, Dr GH Theron
Beef: 2

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

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

Beef			1.0 (1)			1.5 (2)		3.0 (1)	
Dairy								2.5 (2)	

Limpopo
Polokwane, Pietersburg Veterinary Clinic
Beef: 1
Kwazulu-Natal
Bergville, Bergville Veterinary Clinic
Beef: 2
Bergville, Tugela Vet Clinic
Beef: 1
Western Cape
Caledon, Overberg Veterinary Hospital
Dairy: 2
George, George Animal Hospital
Beef: 3, Dairy: 3

Bont-legged ticks										^
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PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	3.0 (1)		1.0 (1)	2.7 (3)	2.3 (7)			2.0 (1)	2.0 (1)

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

Beef	3.0 (1)		1.0 (1)	2.7 (3)	2.3 (4)			2.0 (1)	
Dairy					2.0 (1)				
Sheep					2.5 (2)				2.0 (1)

Mpumalanga
Standerton, Standerton Dierehospitaal
Beef: 3
Limpopo
Polokwane, Pietersburg Veterinary Clinic
Beef: 1
North West
Christiana, Christiana Dierehospitaal
Beef: 3
Klerksdorp, Klerksdorp Dierehospitaal
Beef: 3
Leeudoringstad, Leeudoringstad Dierekliniek
Beef: 2
Free State
Clocolan, Clocolan Dierekliniek
Beef: 2
Hoopstad, Hoopstad Dierekliniek
Beef: 3, Sheep: 3
Kroonstad, Kroonstad Dierehospitaal
Beef: 2, Dairy: 2, Sheep: 2
Senekal, Melach, Theo Kotze Senekal
Beef: 2
Western Cape
Swellendam, Oakhurst Animal Clinic
Beef: 2
Northern Cape
De Aar, De Aar Veterinary Clinic
Sheep: 2

Red-legged ticks									^
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PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (1)			2.5 (2)	1.9 (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	2.0 (1)			2.5 (2)	2.0 (3)	2.0 (1)			
Dairy					2.0 (1)				
Sheep					2.0 (2)				
Goat					1.0 (1)				

Mpumalanga
Volksrust, Cape Cross Volksrust Dierekliniek
Beef: 2
North West
Christiana, Christiana Dierehospitaal
Beef: 3
Leeudoringstad, Leeudoringstad Dierekliniek
Beef: 2
Free State
Bultfontein, Greylingrust Dieresprekkamer
Goat: 1
Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3
Kroonstad, Kroonstad Dierehospitaal
Beef: 2, Dairy: 2
Memel, Memel Veterinary Clinic
Beef: 1
Wesselsbron, Wesselsbron Dierekliniek
Sheep: 1
Kwazulu-Natal
Underberg, Underberg Veterinary Surgery
Beef: 2

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

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

Sheep	1.0 (1)
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Mpumalanga
Standerton, Standerton Dierehospitaal
Sheep: 1

Biting lice (red lice)									^
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PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	3.0 (1)			3.0 (2)	2.4 (12)	2.0 (2)	1.8 (4)		

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

Beef	3.0 (1)			3.0 (2)	2.5 (10)	2.0 (1)	2.0 (3)		
Sheep					2.0 (2)	2.0 (1)	1.0 (1)		

Mpumalanga
Standerton, Standerton Dierehospitaal
Beef: 3
North West
Christiana, Christiana Dierehospitaal
Beef: 3
Klerksdorp, Klerksdorp Dierehospitaal
Beef: 3
Free State
Bothaville, Cape Cross Bothaville Veterinary Hospital
Beef: 2
Clocolan, Clocolan Dierekliniek
Beef: 3
Dewetsdorp, Platkop Dierekliniek
Beef: 2
Ficksburg, Oos Vrystaat Diere Produkte

Beef: 2									
Frankfort, Frankfort Dierekliniek									
Beef: 3									
Harrismith, Harrismith Dierehospitaal									
Beef: 2, Sheep: 2									
Hoopstad, Hoopstad Dierekliniek									
Beef: 3									
Kroonstad, Kroonstad Dierehospitaal									
Beef: 3, Sheep: 2									
Viljoenskroon, Viljoenskroon Dierekliniek									
Beef: 3									
Zastron, Zastron Dierekliniek									
Beef: 2									
Kwazulu-Natal									
Bergville, Bergville Veterinary Clinic									
Beef: 2									
Kokstad, E.G.Veterinary Services									
Sheep: 2									
Eastern Cape									
Aliwal North, Uitspan C Troskie									
Beef: 2									
Graaff-Reinet, Graaff Reinet Veterinary Clinic									
Beef: 2									
Middelburg (EC), Steynsburg Dierehospitaal									
Beef: 2									
Queenstown, Queenstown Provincial Vet Lab									
Sheep: 1									
Sucking lice (blue lice)									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average				2.5 (2)	2.2 (6)				
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef				2.5 (2)	2.2 (6)				
North West									
Brits, Brits Dierekliniek									
Beef: 2									
Christiana, Christiana Dierehospitaal									
Beef: 3									
Free State									
Bothaville, Cape Cross Bothaville Veterinary Hospital									
Beef: 2									
Clocolan, Clocolan Dierekliniek									
Beef: 2									
Harrismith, Harrismith Dierehospitaal									
Beef: 1									
Hoopstad, Hoopstad Dierekliniek									
Beef: 3									
Memel, Memel Veterinary Clinic									
Beef: 3									

Vrede, Saulshoek Dierepraktyk

Beef: 2

Scab mites

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 (1)		

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

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

Limpopo

Polokwane, Pietersburg Veterinary Clinic

Sheep: 1

Free State

Harrismith, Harrismith Dierehospitaal

Sheep: 1

Senekal, Melach, Theo Kotze Senekal

Beef: 1

Eastern Cape

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Sheep: 2

Mange Mites

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

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

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

Mpumalanga

Bethal, Bethal Dierekliniek

Beef: 2

Standerton, Standerton Dierehospitaal

Dairy: 3

Gauteng

Bronkhorstspuit, Kerkstraat Dierekliniek

Beef: 2, Goat: 2

Free State

Hoopstad, Hoopstad Dierekliniek

Beef: 3

Reitz, Riemland Dierekliniek

Beef: 2

Western Cape

Oudtshoorn, Oudtshoorn Dierekliniek

Beef: 1

Nuisance Flies ^

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

Beef									1.0 (1)
Dairy									2.0 (1)

Western Cape
Malmesbury, Malmesbury Dierehospitaal
 Dairy: 2
 Now is the time to make an impact to get the numbers down before the problem escalates
Stellenbosch, Stellenbosch Animal Hospital
 Beef: 1

Blowflies ^

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

Beef						2.0 (1)				
Sheep						1.0 (1)				

Free State
Frankfort, Frankfort Direkliniek
 Beef: 2
Hoopstad, Hoopstad Direkliniek
 Sheep: 1

Screw-worm ^

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

Beef	1.0 (1)					1.0 (1)				
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Mpumalanga
Lydenburg, Lydenburg Dieresprekkamer
 Beef: 1
Kwazulu-Natal
Mtubatuba, Mtubatuba Animal Clinic
 Beef: 1

Nasal bot larvae ^

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

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

Sheep	2.0 (1)	2.0 (1)			2.0 (2)				3.0 (1)
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Mpumalanga									
Bethal, Bethal Dierekliniëk									
Sheep: 2									
Gauteng									
Bapsfontein, Bapsfontein Dierehospitaal									
Sheep: 2									
Free State									
Reitz, Riemland Dierekliniëk									
Sheep: 2									
Vrede, Vrede Dierehospitaal									
Sheep: 2									
Northern Cape									
Kimberley, Kimberley Dierekliniëk									
Sheep: 3									

Moderate to severe infestation in association with poor condition and infection with *Mannheimia haemolytica* and *Corynebacterium pseudotuberculosis*

Itch mite ^

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

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

Sheep							1.0 (1)		
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Eastern Cape									
Middelburg (EC), Steynsburg Dierehospitaal									
Sheep: 1									

Tick-borne Diseases

African red water ^

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (1)	2.0 (1)			1.0 (2)	1.7 (9)	2.0 (3)	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	2.0 (1)	2.0 (1)			1.0 (2)	1.7 (7)	2.0 (2)	1.5 (2)	
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Dairy		1.5 (2)	2.0 (1)	1.7 (3)						
Mpumalanga										
Nelspruit, Nelspruit Animal Hospital										
Beef: 2										
Animals introduced into area										
Gauteng										
Bapsfontein, Bapsfontein Dierehospitaal										
Beef: 2										
Free State										
Frankfort, Frankfort Dierekliniek										
Beef: 1										
Sasolburg, Sasolburg veearts										
Beef: 1										
Kwazulu-Natal										
Bergville, Bergville Veterinary Clinic										
Beef: 2										
Dundee, Endumeni Herd health										
Dairy: 1										
Estcourt, Estcourt Vet Clinic										
Beef: 1										
Ingogo, Gen XY Stud Beef Consultancy										
Beef: 1										
Kokstad, E.G.Veterinary Services										
Beef: 2, Dairy: 2										
Mooi River, Mooirivier Vet Clinic										
Beef: 2										
Mtubatuba, Mtubatuba Animal Clinic										
Beef: 1										
Pietermaritzburg, Richmond Veterinay Clinic										
Beef: 3										
Relatively mild winter										
Eastern Cape										
Alexandria, Alexandria Platteland Spreekkamer										
Beef: 3										
Humansdorp, Humansdorp Veterinary Clinic										
Beef: 1										
Uitenhage, Uitenhage Dierehospitaal										
Dairy: 2										
Western Cape										
Caledon, Overberg Veterinary Hospital										
Dairy: 2										
George, George Animal Hospital										
Beef: 2, Dairy: 2										
Heidelberg (WC), Heidelberg Dierekliniek										
Dairy: 1										
Oudtshoorn, Oudtshoorn Dierekliniek										
Beef: 1										
Asiatic red water										^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape	
Average		1.0 (2)		2.0 (1)	1.0 (1)	1.8 (4)	1.7 (3)	1.3 (4)		

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

Beef	1.0 (2)	2.0 (1)	1.0 (1)	1.8 (4)	1.5 (2)	1.3 (3)
Dairy					2.0 (1)	1.0 (1)

Gauteng									
Bronkhorstspuit, Kerkstraat Dierekliniek									
Beef: 1									
Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic									
Beef: 1									
North West									
Brits, Brits Dierekliniek									
Beef: 2									
Free State									
Frankfort, Frankfort Dierekliniek									
Beef: 1									
Kwazulu-Natal									
Bergville, Bergville Veterinary Clinic									
Beef: 2									
Bergville, Tugela Vet Clinic									
Beef: 1									
Dundee, Endumeni Herd health									
Beef: 2									
Mtubatuba, Mtubatuba Animal Clinic									
Beef: 2									
Eastern Cape									
Port Alfred, Port Alfred Veterinary Clinic									
Beef: 2									
Three mortalities near Bathurst									
Queenstown, Queenstown Provincial Vet Lab									
Beef: 1									
Uitenhage, Uitenhage Dierehospitaal									
Dairy: 2									
Western Cape									
George, George Animal Hospital									
Beef: 1, Dairy: 1									
Swellendam, Oakhurst Animal Clinic									
Beef: 2									
Swellendam, Swellendam Dierehospitaal									
Beef: 1									

Anaplasmosis									^
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PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (2)			3.0 (1)	2.1 (7)	2.0 (6)	2.0 (5)	1.5 (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	1.0 (1)			3.0 (1)	2.1 (7)	1.8 (5)	2.0 (2)	1.7 (3)
Dairy	3.0 (1)					3.0 (1)	2.0 (3)	1.3 (3)

Mpumalanga									
Ermelo, Môregloed Veterinêre Spreekkamer									

Beef: 1
Standerton, Standerton Dierehospitaal
Dairy: 3
North West
Christiana, Christiana Dierehospitaal
Beef: 3
Free State
Bultfontein, Greylingrust Dieresprekkamer
Beef: 2
Clocolan, Clocolan Dierekliniek
Beef: 3
Harrismith, Harrismith Dierehospitaal
Beef: 1
Hoopstad, Hoopstad Dierekliniek
Beef: 3
Reitz, Riemland Dierekliniek
Beef: 2
Senekal, Melach, Theo Kotze Senekal
Beef: 2
Vrede, Vrede Dierehospitaal
Beef: 2
Kwazulu-Natal
Bergville, Bergville Veterinary Clinic
Beef: 2
Estcourt, Estcourt Vet Clinic
Dairy: 3
Pietermaritzburg, Dr Rick Mapham Consultancy
Beef: 2
Pietermaritzburg, Richmond Veterinary Clinic
Beef: 2
Relatively mild winter
Underberg, Underberg Veterinary Surgery
Beef: 2
Vryheid, Dr GH Theron
Beef: 1
Eastern Cape
Alexandria, Alexandria Platteland Spreekkamer
Beef: 2
Humansdorp, Humansdorp Veterinary Clinic
Dairy: 1
Jeffreys Bay, Cape Cross Veterinary Hospital
Dairy: 3
Queenstown, Queenstown Provincial Vet Lab
Beef: 2
Uitenhage, Uitenhage Dierehospitaal
Dairy: 2
Western Cape
George, George Animal Hospital
Beef: 1, Dairy: 1
Heidelberg (WC), Heidelberg Dierekliniek
Dairy: 2
Malmesbury, Malmesbury Dierehospitaal
Dairy: 1
Oudtshoorn, Oudtshoorn Dierekliniek

Beef: 1									
Swellendam, Oakhurst Animal Clinic									
Beef: 3									
Heartwater									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (3)	2.0 (2)	2.0 (3)		3.0 (1)	1.9 (7)	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)		3.0 (1)	1.8 (5)			
Dairy							1.0 (1)		
Sheep		3.0 (1)	2.0 (1)				2.0 (1)		
Goat	2.0 (1)	1.0 (1)	2.0 (1)			2.0 (2)	2.0 (1)		
Mpumalanga									
Lydenburg, Lydenburg Dieresprekkamer									
Beef: 2									
Nelspruit, Nelspruit Animal Hospital									
Beef: 2, Goat: 2									
Gauteng									
Pretoria, Anima Veterinary Consulting Rooms									
Sheep: 3									
Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic									
Goat: 1									
Limpopo									
Polokwane, Pietersburg Veterinary Clinic									
Beef: 2, Sheep: 2, Goat: 2									
Free State									
Hoopstad, Hoopstad Dierekliniek									
Beef: 3									
Kwazulu-Natal									
Bergville, Bergville Veterinary Clinic									
Beef: 2									
Estcourt, Estcourt Vet Clinic									
Beef: 2									
Mtubatuba, Mtubatuba Animal Clinic									
Beef: 2									
Pietermaritzburg, Richmond Veterinay Clinic									
Beef: 2, Goat: 2									
Pongola, Pongola Animal Clinic									
Goat: 2									
Kids born late summer are mostly contracting heartwater									
Vryheid, Dr GH Theron									
Beef: 1									
Eastern Cape									
Port Alfred, Port Alfred Veterinary Clinic									
Sheep: 2									
Bathurst									
Goat: 2									
Bathurst									
Uitenhage, Uitenhage Dierehospitaal									

Dairy: 1

Sweating Sickness ^

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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North West

Brits, Brits Dierekliniek

Beef: 1

Insect Transmittable Diseases

Lumpy skin disease ^

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

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

Bronkhorstspuit, Kerkstraat Dierekliniek

Beef: 2

Limpopo

Polokwane, Pietersburg Veterinary Clinic

Beef: 1

North West

Brits, Brits Dierekliniek

Beef: 3

Kwazulu-Natal

Underberg, Underberg Veterinary Surgery

Beef: 1

Western Cape

Heidelberg (WC), Heidelberg Dierekliniek

Dairy: 1

Three-day-stiffsickness ^

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)								
Free State									
Sasolburg, Sasolburg veearts									
Beef: 1									
Blue tongue									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average			1.0 (1)						
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Sheep			1.0 (1)						
Limpopo									
Polokwane, Pietersburg Veterinary Clinic									
Sheep: 1									
Venereal Diseases									
<i>Actinobacillus seminis</i>									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average				2.0 (1)			1.0 (1)		
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef				2.0 (1)					
Sheep							1.0 (1)		
North West									
Vryburg, Vryburg Dierehospitaal									
Beef: 2									
Eastern Cape									
Cradock, Cradock Veterinary Clinic									
Sheep: 1									
Ram									
Trichomonosis									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (7)			2.5 (4)	2.3 (13)	2.0 (7)	2.0 (1)	2.0 (1)	1.0 (1)
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef	2.0 (7)			2.5 (4)	2.3 (13)	2.0 (7)	2.0 (1)	2.0 (1)	1.0 (1)
Mpumalanga									
Bethal, Bethal Dierekliniek									

Beef: 2
Ermelo, Môregloed Veterinêre Spreekkamer
Beef: 3
<i>Tritrichomonas</i> was isolated from more than 50% bulls tested, 10% which never had trichomonosis before
Grootvlei, Grootvlei Dierekliniek
Beef: 1
Middelburg , Middelburg Dierehospitaal
Beef: 3
Many positive cases
Piet Retief, Pets Vet Hospital
Beef: 1
Standerton, Standerton Dierehospitaal
Beef: 2
Volksrust, Cape Cross Volksrust Dierekliniek
Beef: 2
Two farmers with several herds that are affected. 50% of one farmer's bulls affected; but surprisingly high percentage of cows in calf. One farmer borders on trust-lands, thus neighbouring cattle are mostly untested.
North West
Bloemhof, Bloemhof Dierekliniek
Beef: 2
Two out of 5 bulls tested positive
Leeudoringstad, Leeudoringstad Dierekliniek
Beef: 3
Stella, Stella Dierekliniek
Beef: 3
Vryburg, Vryburg Dierehospitaal
Beef: 2
Free State
Clocolan, Clocolan Dierekliniek
Beef: 1
Frankfort, Frankfort Dierekliniek
Beef: 3
Harrismith, Harrismith Dierehospitaal
Beef: 3
Hertzogville, Hertzogville Dierekliniek
Beef: 2
Hoopstad, Hoopstad Dierekliniek
Beef: 3
Kroonstad, Kroonstad Dierehospitaal
Beef: 3
Ladybrand, Ladybrand / Excelsior Dierekliniek
Beef: 2
Reitz, Riemland Dierekliniek
Beef: 2
Sasolburg, Sasolburg veearts
Beef: 2
Senekal, Melach, Theo Kotze Senekal
Beef: 2
Viljoenskroon, Viljoenskroon Dierekliniek
Beef: 2
Villiers, Wilgepoort Dierekliniek Vennootskap
Beef: 3
Zastron, Zastron Dierekliniek
Beef: 2

Kwazulu-Natal									
Bergville, Bergville Veterinary Clinic									
Beef: 2									
Bergville, Tugela Vet Clinic									
Beef: 1									
Dundee, Endumeni Herd health									
Beef: 3									
Estcourt, Estcourt Vet Clinic									
Beef: 2									
Kokstad, E.G.Veterinary Services									
Beef: 2									
Pietermaritzburg, Richmond Veterinary Clinic									
Beef: 1									
Underberg, Underberg Veterinary Surgery									
Beef: 3									
Eastern Cape									
Aliwal North, Uitspan C Troskie									
Beef: 2									
Western Cape									
Stellenbosch, Provincial Veterinary Laboratory									
Beef: 2									
Upington area: <i>Trichomonas foetus</i> was isolated from several sheath wash samples.									
Northern Cape									
Kimberley, Kimberley Dierkliniek									
Beef: 1									
Vibriosis									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average				2.5 (2)	1.4 (7)	1.5 (2)	1.0 (1)		
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef				2.5 (2)	1.4 (7)	1.5 (2)	1.0 (1)		
North West									
Leeudoringstad, Leeudoringstad Dierkliniek									
Beef: 3									
Vryburg, Vryburg Dierehospitaal									
Beef: 2									
Free State									
Clocolan, Clocolan Dierkliniek									
Beef: 2									
Ficksburg, Oos Vrystaat Diere Produkte									
Beef: 1									
Frankfort, Frankfort Dierkliniek									
Beef: 2									
Ladybrand, Ladybrand / Excelsior Dierkliniek									
Beef: 1									
Sasolburg, Sasolburg veearts									
Beef: 2									
Senekal, Melach, Theo Kotze Senekal									
Beef: 1									

Viljoenskroon, Viljoenskroon Dierekliniek									
Beef: 1									
Kwazulu-Natal									
Kokstad, E.G.Veterinary Services									
Beef: 2									
Underberg, Underberg Veterinary Surgery									
Beef: 1									
Eastern Cape									
Alexandria, Alexandria Platteland Spreekkamer									
Beef: 1									

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

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

Sheep							1.0 (1)		1.5 (2)
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Eastern Cape									
Graaff-Reinet, Graaff Reinet Veterinary Clinic									
Sheep: 1									
Northern Cape									
Calvinia, Calvinia Veeartskliniek									
Sheep: 2									
De Aar, De Aar Veterinary Clinic									
Sheep: 1									
One flock									

Bacterial Disease (other)									
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Blackquarter									^
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PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.6 (5)		2.0 (1)	1.0 (1)	2.3 (11)	1.7 (3)	1.0 (2)		

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

Beef	1.6 (5)		2.0 (1)	1.0 (1)	2.2 (9)	1.7 (3)	1.0 (2)		
Sheep					2.5 (2)				

Mpumalanga									
Delmas, Dr Johan Jooste									
Beef: 2									
Ermelo, Môregloed Veterinêre Spreekkamer									
Beef: 1									
Grootvlei, Grootvlei Dierekliniek									
Beef: 2									
Middelburg, Middelburg Dierehospitaal									
Beef: 1									

Standerton, Standerton Dierehospitaal									
Beef: 2									
Limpopo									
Polokwane, Pietersburg Veterinary Clinic									
Beef: 2									
North West									
Brits, Brits Dierekliniek									
Beef: 1									
Free State									
Bethlehem, Bethlehem Animal Hospital									
Beef: 3, Sheep: 3									
Clocolan, Clocolan Dierekliniek									
Beef: 3									
Frankfort, Frankfort Dierekliniek									
Beef: 3									
Harrismith, Harrismith Dierehospitaal									
Beef: 2									
Kroonstad, Kroonstad Dierehospitaal									
Beef: 3									
Sasolburg, Sasolburg veearts									
Beef: 2									
Viljoenskroon, Viljoenskroon Dierekliniek									
Beef: 1									
Vrede, Saulshoek Dierepraktik									
Beef: 2									
Zastron, Zastron Dierekliniek									
Beef: 1, Sheep: 2									
Kwazulu-Natal									
Dundee, Mpati Veterinary Clinic									
Beef: 2									
Some cases of blackquarter reported to us (young unvaccinated cattle being fed)									
Estcourt, Estcourt Vet Clinic									
Beef: 1									
Mtubatuba, Mtubatuba Animal Clinic									
Beef: 2									
Eastern Cape									
Aliwal North, Uitspan C Troskie									
Beef: 1									
Middelburg (EC), Steynsburg Dierehospitaal									
Beef: 1									
Botulism									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average				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				3.0 (2)		1.0 (1)			
Sheep				2.0 (1)					
North West									
Christiana, Christiana Dierehospitaal									

Beef: 3									
Vryburg, Vryburg Dierehospitaal									
Beef: 3, Sheep: 2									
Kwazulu-Natal									
Newcastle, Ncanduvet Newcastle									
Beef: 1									
Pulpy Kidney									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (2)			2.0 (1)	1.8 (4)	1.5 (2)	2.3 (3)	1.0 (1)	2.0 (1)
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Sheep	2.0 (2)			2.0 (1)	1.8 (4)	1.5 (2)	2.5 (2)	1.0 (1)	2.0 (1)
Goat							2.0 (1)		
Mpumalanga									
Lydenburg, Lydenburg Dieresprekkamer									
Sheep: 2									
Clostridial infections									
Standerton, Standerton Dierehospitaal									
Sheep: 2									
North West									
Brits, Brits Dierekliniek									
Sheep: 2									
Free State									
Harrismith, Harrismith Dierehospitaal									
Sheep: 2									
Ladybrand, Ladybrand / Excelsior Dierekliniek									
Sheep: 1									
Villiers, Wilgepoort Dierekliniek Vennootskap									
Sheep: 3									
Wesselsbron, Wesselsbron Dierekliniek									
Sheep: 1									
Kwazulu-Natal									
Kokstad, E.G.Veterinary Services									
Sheep: 2									
Underberg, Underberg Veterinary Surgery									
Sheep: 1									
Eastern Cape									
Graaff-Reinet, Camdeboo Veterinary Clinic									
Sheep: 2, Goat: 2									
Middelburg (EC), Steynsburg Dierehospitaal									
Sheep: 3									
Western Cape									
Beaufort West, Beaufort West State Vet									
Sheep: 1									
Single case in a Dorper ewe of Pulpy Kidney									
Northern Cape									
De Aar, De Aar Veterinary Clinic									
Sheep: 2									

Lamb dysentery									
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									
Sheep					3.0 (1)			1.0 (1)	
Free State									
Clocolan, Clocolan Dierekliniek									
Sheep: 3									
Western Cape									
Stellenbosch, Stellenbosch Animal Hospital									
Sheep: 1									
Swelled head disease									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)	1.0 (1)			2.0 (1)	1.0 (2)			
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef		1.0 (1)			2.0 (1)				
Sheep	1.0 (1)					1.0 (2)			
Mpumalanga									
Ermelo, Mōregloed Veterinêre Spreekkamer									
Sheep: 1									
Gauteng									
Bronkhorstspuit, Kerkstraat Dierekliniek									
Beef: 1									
Free State									
Reitz, Riemland Dierekliniek									
Beef: 2									
Kwazulu-Natal									
Kokstad, E.G.Veterinary Services									
Sheep: 1									
Pongola, Pongola Animal 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)			1.7 (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		2.0 (1)			1.7 (3)	2.0 (1)	2.0 (1)		

Dairy		2.0 (1)							
Gauteng									
Bapsfontein, Bapsfontein Dierehospitaal									
Beef: 2									
Free State									
Frankfort, Frankfort Dierekliniek									
Beef: 2									
Reitz, Riemland Dierekliniek									
Beef: 1									
Villiers, Wilgepoort Dierekliniek Vennootskap									
Beef: 2									
Kwazulu-Natal									
Dundee, Endumeni Herd health									
Dairy: 2									
Estcourt, Estcourt Vet Clinic									
Beef: 2									
Eastern Cape									
Alexandria, Alexandria Platteland Spreekkamer									
Beef: 2									
Blood gut (Sheep)									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)	2.0 (1)			2.5 (2)	2.0 (1)	2.0 (1)	2.5 (4)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Sheep	1.0 (1)	2.0 (1)			2.5 (2)	2.0 (1)		2.5 (4)	
Goat							2.0 (1)		
Mpumalanga									
Ermelo, Môregloed Veterinêre Spreekkamer									
Sheep: 1									
Gauteng									
Bapsfontein, Bapsfontein Dierehospitaal									
Sheep: 2									
Free State									
Harrismith, Harrismith Dierehospitaal									
Sheep: 2									
Villiers, Wilgepoort Dierekliniek Vennootskap									
Sheep: 3									
Kwazulu-Natal									
Kokstad, E.G.Veterinary Services									
Sheep: 2									
Eastern Cape									
Graaff-Reinet, Camdeboo Veterinary Clinic									
Goat: 2									
Western Cape									
Beaufort West, Beaufort West State Vet									
Sheep: 1									
Single case in a Merino ewe - associated with high energy feed									
Caledon, Overberg Veterinary Hospital									
Sheep: 3									

Darling, Darling Dierekliniek									
Sheep: 3									
Heidelberg (WC), Heidelberg Dierekliniek									
Sheep: 3									
Tetanus									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average				1.0 (1)	1.7 (3)	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					2.0 (1)				
Sheep				1.0 (1)	1.5 (2)	1.0 (2)			
Goat						1.0 (1)			
North West									
Christiana, Christiana Dierehospitaal									
Sheep: 1									
Free State									
Clocolan, Clocolan Dierekliniek									
Sheep: 1									
Frankfort, Frankfort Dierekliniek									
Beef: 2									
Phillipolis, Rowelsfontein veearts Spreekkamer									
Sheep: 2									
Feedlot lambs (2 out of a flock of about 100 lambs) affected. Many dubbeltjies (<i>Tribulus terrestris</i>) in camps as well as a lot of horse manure.									
Kwazulu-Natal									
Kokstad, E.G.Veterinary Services									
Sheep: 1									
Newcastle, Ncanduvet Newcastle									
Sheep: 1, Goat: 1									
Salmonellosis									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)			3.0 (1)			2.5 (2)	1.0 (1)	3.0 (1)
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef	1.0 (1)			3.0 (1)			3.0 (1)		
Dairy							2.0 (1)	1.0 (1)	
Sheep									3.0 (1)
Mpumalanga									
Middelburg, Middelburg Dierehospitaal									
Beef: 1									
North West									
Leeudoringstad, Leeudoringstad Dierekliniek									
Beef: 3									

Diarrhoea, calves given chicken manure									
Eastern Cape									
Humansdorp, Humansdorp Veterinary Clinic									
Dairy: 2									
Dairy calves									
Queenstown, Queenstown Provincial Vet Lab									
Beef: 3									
Approximately 50 dairy calves died – stillborn, peri-natal deaths of weak calves and deaths from acute enteritis at ages 2-5 weeks. <i>S. Muenchen</i> confirmed – rodent transmission									
Western Cape									
Stellenbosch, Provincial Veterinary Laboratory									
Dairy: 1									
Heidelberg area: <i>Salmonella</i> I was cultured from a swab of the small intestine of a calf from a dairy.									
Northern Cape									
Kimberley, Kimberley Dierekliniëk									
Sheep: 3									
Severe outbreak in feedlot due to <i>S. Typhimurium</i> -contaminated water and feeding of antibiotics in diet--rumen stasis and no protozoal activity in rumen									
<i>Brucella abortus</i>									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.3 (4)		2.0 (1)	2.2 (5)	2.5 (10)		2.0 (1)		
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef	2.3 (4)		2.0 (1)	2.2 (5)	2.5 (10)		2.0 (1)		
Mpumalanga									
Bethal, Bethal Dierekliniëk									
Beef: 2									
Ermelo, Môregloed Veterinêre Spreekkamer									
Beef: 3									
Seeing more and more positive cases each month									
Grootvlei, Grootvlei Dierekliniëk									
Beef: 1									
Standerton, Standerton Dierehospitaal									
Beef: 3									
Limpopo									
Polokwane, Pietersburg Veterinary Clinic									
Beef: 2									
North West									
Bloemhof, Bloemhof Dierekliniëk									
Beef: 2									
Thirty out of 50 animals tested positive									
Brits, Brits Dierekliniëk									
Beef: 3									
Christiana, Christiana Dierehospitaal									
Beef: 2									
Jan Kempdorp, Dr. Jan D Brand									
Beef: 2									

Abortions
Klerksdorp, Klerksdorp Dierehospitaal
Beef: 2
Free State
Bultfontein, Greylingrust Dieresprekkamer
Beef: 2
Frankfort, Frankfort Dierekliniek
Beef: 3
Harrismith, Harrismith Dierehospitaal
Beef: 2
Hertzogville, Hertzogville Dierekliniek
Beef: 3
Hoopstad, Hoopstad Dierekliniek
Beef: 3
Kroonstad, Kroonstad Dierehospitaal
Beef: 2
Ladybrand, Ladybrand / Excelsior Dierekliniek
Beef: 3
Villiers, Wilgepoort Dierekliniek Vennootskap
Beef: 3
Vrede, Vrede Dierehospitaal
Beef: 1
Zastron, Zastron Dierekliniek
Beef: 3
Eastern Cape
Queenstown, Queenstown Provincial Vet Lab
Beef: 2

Brucella ovis										^
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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)

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

Sheep					2.0 (1)			3.0 (1)	2.0 (1)
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Free State
Wesselsbron, Wesselsbron Dierekliniek
Sheep: 2
Western Cape
Beaufort West, Beaufort West State Vet
Sheep: 3
There were 5 farms with new, and quite severe infections resulting in the culling of 75% of rams. Regular testing and biosecurity measures for new rams are very important.
Northern Cape
De Aar, De Aar Veterinary Clinic
Sheep: 2
Rams positive

Johne`s disease										^
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PROVINCE	Mpumalanga	Gauteng	Limpopo	North	Free	Kwazulu-	Eastern	Western	Northern
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				West	State	Natal	Cape	Cape	Cape
Average							1.0 (1)	1.5 (2)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Sheep							1.0 (1)	1.5 (2)	
Eastern Cape									
Cradock, Cradock Veterinary Clinic									
Sheep: 1									
Positive flock, confirmed. Microclimate favourable adjacent the Fish river.									
Western Cape									
Caledon, Overberg Veterinary Hospital									
Sheep: 1									
Swellendam, Oakhurst Animal Clinic									
Sheep: 2									
Leptospirosis									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average			1.0 (1)						
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef			1.0 (1)						
Limpopo									
Polokwane, Pietersburg Veterinary Clinic									
Beef: 1									
Pseudomonas									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average				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)					
North West									
Vryburg, Vryburg Dierehospitaal									
Beef: 2									
Septicemia									^
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									

reported									
Sheep						2.0 (1)			
Goat									2.0 (1)
Kwazulu-Natal									
Kokstad, E.G.Veterinary Services									
Sheep: 2									
Northern Cape									
Kimberley, Kimberley Dierekliek									
Goat: 2									
<p><i>Bacillus anthracis</i> isolated from the very oedematous and necrotic sub cutaneous tissues from a goat that was treated 4 days prior to death with an injectable drug. Ten per cent of 66 goats were affected, only one died, rest responded to treatment (therapeutically and prophylactic) with penicillin</p>									
E. coli									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (1)	1.0 (1)		3.0 (1)	2.7 (3)	1.7 (3)	1.7 (3)	1.7 (3)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef	2.0 (1)				3.0 (1)	2.0 (1)	2.0 (1)	2.0 (2)	
Dairy		1.0 (1)			2.0 (1)	1.5 (2)	2.0 (1)	1.0 (1)	
Sheep				3.0 (1)	3.0 (1)		1.0 (1)		
Mpumalanga									
Standerton, Standerton Dierehospitaal									
Beef: 2									
Gauteng									
Bronkhorstspuit, Kerkstraat Dierekliek									
Dairy: 1									
North West									
Leeudoringstad, Leeudoringstad Dierekliek									
Sheep: 3									
Lambs									
Free State									
Clocolan, Clocolan Dierekliek									
Beef: 3, Dairy: 2, Sheep: 3									
Kwazulu-Natal									
Dundee, Endumeni Herd health									
Dairy: 1									
Underberg, Underberg Veterinary Surgery									
Dairy: 2									
Vryheid, Dr GH Theron									
Beef: 2									
Eastern Cape									
Alexandria, Alexandria Platteland Spreekkamer									
Beef: 2									
Humansdorp, Humansdorp Veterinary Clinic									
Dairy: 2									
Calf diarrhoea									
Middelburg (EC), Steynsburg Dierehospitaal									
Sheep: 1									

Western Cape									
Stellenbosch, Stellenbosch Animal Hospital									
Beef: 1, Dairy: 1									
Swellendam, Oakhurst Animal Clinic									
Beef: 3									
Enzootic Abortion									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average				2.0 (1)	1.5 (2)		2.7 (3)	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									
Sheep				2.0 (1)	1.5 (2)		3.0 (1)	2.0 (3)	
Goat							2.5 (2)	1.0 (2)	
North West									
Vryburg, Vryburg Dierehospitaal									
Sheep: 2									
Free State									
Vrede, Vrede Dierehospitaal									
Sheep: 1									
Zastron, Zastron Dierekliniek									
Sheep: 2									
Eastern Cape									
Graaff-Reinet, Graaff Reinet Veterinary Clinic									
Goat: 2									
Young Boerbok kids, 8 out of 200 aborted, weak kids and arthritis									
Queenstown, Queenstown Provincial Vet Lab									
Sheep: 3									
Enzootic abortion: Large outbreak of abortions, stillbirths, peri-natal deaths and older MME (mismothering / malnutrition / exposure) cases – often complicated by very severe coccidial burdens. All tested positive for chlamydiosis (immuno-suppression). Cases seen from numerous districts in the eastern areas of Eastern Cape. (Mthatha, Ngcobo, Cofimvaba, Tsomo, Stutterheim, Lady Frere, Queenstown, Tarkastad)									
Goat: 3									
Western Cape									
Beaufort West, Beaufort West State Vet									
Sheep: 3									
Three farms with abortions storms tested positive for chlamydiosis.									
Heidelberg (WC), Heidelberg Dierekliniek									
Goat: 1									
Stellenbosch, Provincial Veterinary Laboratory									
Sheep: 2									
In four abortion cases from different areas in the Western Cape, samples from aborted fetuses tested positive for <i>Chlamydophila abortus</i> .									
Goat: 1									
Beaufort West area: Samples from an aborted foetus tested positive for <i>Chlamydophila abortus</i> .									
Stellenbosch, Stellenbosch Animal Hospital									
Sheep: 1									
Dermatophilosis (Lumpy Wool)									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North	Free	Kwazulu-	Eastern	Western	Northern

				West	State	Natal	Cape	Cape	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)	
Free State									
Ladybrand, Ladybrand / Excelsior Dierekliniek									
Sheep: 2									
Western Cape									
Heidelberg (WC), Heidelberg Dierekliniek									
Sheep: 1									
Intrauterine Gangrene									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average					2.0 (1)		2.0 (1)		
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Sheep					2.0 (1)				
Goat							2.0 (1)		
Free State									
Zastron, Zastron Dierekliniek									
Sheep: 2									
Eastern Cape									
Graaff-Reinet, Graaff Reinet Veterinary Clinic									
Goat: 2									
Angoras – kraaled									
Other									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average		1.0 (1)		1.0 (1)				2.0 (1)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef		1.0 (1)							
Dairy				1.0 (1)					
Sheep								2.0 (1)	
Gauteng									
Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic									
Beef: 1									
Lumpy jaw									
North West									
Jan Kempdorp, Dr. Jan D Brand									
Dairy: 1									

Wooden tongue									
Western Cape									
Darling, Darling Dierekliniek									
Sheep: 2									
Blood gut (draaiderm)									
Protozoal diseases (other)									
Coccidiosis									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.5 (4)	1.5 (2)			2.0 (1)	2.3 (4)	2.7 (3)	1.8 (4)	3.0 (1)
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef	1.0 (1)					2.0 (1)			
Dairy						3.0 (1)		1.0 (1)	
Sheep	2.0 (1)	1.5 (2)			2.0 (1)	2.0 (1)	3.0 (1)	2.5 (2)	3.0 (1)
Goat	1.5 (2)					2.0 (1)	2.5 (2)	1.0 (1)	
Mpumalanga									
Nelspruit, Nelspruit Animal Hospital									
Goat: 2									
Piet Retief, Pets Vet Hospital									
Beef: 1, Sheep: 2, Goat: 1									
Gauteng									
Pretoria, Anima Veterinary Consulting Rooms									
Sheep: 2									
Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic									
Sheep: 1									
Free State									
Villiers, Wilgepoort Dierekliniek Vennootskap									
Sheep: 2									
Kwazulu-Natal									
Estcourt, Estcourt Vet Clinic									
Dairy: 3									
Mtubatuba, Mtubatuba Animal Clinic									
Beef: 2, Goat: 2									
Vryheid, Dr GH Theron									
Sheep: 2									
Eastern Cape									
Graaff-Reinet, Graaff Reinet Veterinary Clinic									
Goat: 2									
Queenstown, Queenstown Provincial Vet Lab									
Sheep: 3, Goat: 3									
Western Cape									
Darling, Darling Dierekliniek									
Sheep: 2									
Oudtshoorn, Oudtshoorn Dierekliniek									
Goat: 1									
Stellenbosch, Stellenbosch Animal Hospital									
Dairy: 1									
Swellendam, Oakhurst Animal Clinic									

Sheep: 3

Northern Cape

Kimberley, Kimberley Dierekliniek

Sheep: 3

Fungal diseases

Ringworm

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (2)			3.0 (2)	2.5 (4)	2.4 (5)	2.3 (3)	2.0 (2)	

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

Beef	2.0 (2)			3.0 (2)	2.5 (4)	2.4 (5)	2.3 (3)	2.0 (2)	
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Mpumalanga

Grootvlei, Grootvlei Dierekliniek

Beef: 2

Lydenburg, Lydenburg Dierspreekkamer

Beef: 2

North West

Christiana, Christiana Dierehospitaal

Beef: 3

Vryburg, Vryburg Dierehospitaal

Beef: 3

Free State

Bothaville, Cape Cross Bothaville Veterinary Hospital

Beef: 2

Bultfontein, Greylingrust Dierspreekkamer

Beef: 3

Frankfort, Frankfort Dierekliniek

Beef: 3

Reitz, Riemland Dierekliniek

Beef: 2

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2

Pietermaritzburg, Richmond Veterinay Clinic

Beef: 3

Underberg, Underberg Veterinary Surgery

Beef: 2

Vryheid, Dr GH Theron

Beef: 3

Eastern Cape

Aliwal North, Uitspan C Troskie

Beef: 3

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Beef: 2

Humansdorp, Humansdorp Veterinary Clinic

Beef: 2

Western Cape									
Oudtshoorn, Oudtshoorn Dierekliniek									
Beef: 1									
Piketberg, Piketberg Dierehospitaal									
Beef: 3									
Viral Diseases (other)									
BMC (snotsiekte)									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.7 (3)	1.0 (1)	1.0 (1)		1.3 (4)	1.5 (2)	2.0 (2)		2.0 (2)
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef	1.7 (3)	1.0 (1)	1.0 (1)		1.3 (4)	1.5 (2)	2.0 (2)		2.0 (2)
Mpumalanga									
Grootvlei, Grootvlei Dierekliniek									
Beef: 2									
Middelburg , Middelburg Dierehospitaal									
Beef: 1									
Nelspruit, Nelspruit Animal Hospital									
Beef: 2									
Gauteng									
Bronkhorstspuit, Kerkstraat Dierekliniek									
Beef: 1									
Limpopo									
Polokwane, Pietersburg Veterinary Clinic									
Beef: 1									
Free State									
Harrismith, Harrismith Dierehospitaal									
Beef: 1									
Senekal, Melach, Theo Kotze Senekal									
Beef: 1									
Villiers, Wilgepoort Dierekliniek Vennootskap									
Beef: 2									
Bovine associated									
Vrede, Vrede Dierehospitaal									
Beef: 1									
Kwazulu-Natal									
Dundee, Endumeni Herd health									
Beef: 1									
Mtubatuba, Mtubatuba Animal Clinic									
Beef: 2									
Eastern Cape									
Alexandria, Alexandria Platteland Spreekkamer									
Beef: 3									
Six beef cows on one property									
Queenstown, Queenstown Provincial Vet Lab									
Beef: 1									
Northern Cape									
Kathu, Kathu Dierekliniek									

Beef: 3									
10 Bonsmara heifers died. Wildebeest on neighbouring farms									
Kimberley, Kimberley Dierekliniek									
Beef: 1									
Sheep associated strain									
Rabies									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average					2.0 (2)		2.0 (2)		
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef					2.0 (1)		2.0 (1)		
Sheep					2.0 (1)				
Goat							2.0 (1)		
Free State									
Clocolan, Clocolan Dierekliniek									
Beef: 2									
Ladybrand, Ladybrand / Excelsior Dierekliniek									
Sheep: 2									
Eastern Cape									
Queenstown, Queenstown Provincial Vet Lab									
Beef: 2, Goat: 2									
BVD (Bovine viral diarrhoea)									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.5 (2)				2.0 (1)	2.7 (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	1.5 (2)				2.0 (1)	3.0 (1)		3.0 (1)	
Dairy						2.5 (2)			
Mpumalanga									
Lydenburg, Lydenburg Dieresprekkamer									
Beef: 1									
Middelburg, Middelburg Dierehospitaal									
Beef: 2									
Free State									
Senekal, Melach, Theo Kotze Senekal									
Beef: 2									
Kwazulu-Natal									
Howick, Howick Veterinary Clinic									
Beef: 3, Dairy: 3									
Kokstad, E.G. Veterinary Services									
Dairy: 2									
Western Cape									
Swellendam, Oakhurst Animal Clinic									
Beef: 3									

IBR (Infectious bovine rhinotracheitis) ^

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

Mpumalanga									
Piet Retief, Pets Vet Hospital									
Beef: 2									
Standerton, Standerton Dierehospitaal									
Beef: 2									
Gauteng									
Bronkhorstspuit, Kerkstraat Dierekliniek									
Beef: 2, Dairy: 1									
North West									
Christiana, Christiana Dierehospitaal									
Beef: 2									
Vryburg, Vryburg Dierehospitaal									
Beef: 3									
Free State									
Senekal, Melach, Theo Kotze Senekal									
Beef: 2									
Kwazulu-Natal									
Howick, Howick Veterinary Clinic									
Beef: 3, Dairy: 3									
Pietermaritzburg, Richmond Veterinay Clinic									
Beef: 3									
Western Cape									
Swellendam, Oakhurst Animal Clinic									
Beef: 3									

BRSV (Bovine respiratory syncytial virus) ^

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

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

Beef						3.0 (1)			
Kwazulu-Natal									
Howick, Howick Veterinary Clinic									
Beef: 3									

Enzootic Bovine Leucosis (EBL) ^

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

Mpumalanga									
Ermelo, Mōregloed Veterinêre Spreekkamer									
Beef: 1									
Standerton, Standerton Dierehospitaal									
Dairy: 3									
Kwazulu-Natal									
Estcourt, Estcourt Vet Clinic									
Dairy: 1									
Eastern Cape									
Humansdorp, Humansdorp Veterinary Clinic									
Dairy: 2									
Queenstown, Queenstown Provincial Vet Lab									
Beef: 1									
Western Cape									
George, George Animal Hospital									
Beef: 1									
Stellenbosch, Stellenbosch Animal Hospital									
Dairy: 1									
Swellendam, Oakhurst Animal Clinic									
Beef: 3									

Jaagsiekte ^

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

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

Sheep						1.0 (1)			
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Kwazulu-Natal									
Dundee, Endumeni Herd health									
Sheep: 1									

Orf ^

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

Sheep	1.0 (1)	2.0 (1)		2.0 (1)	2.0 (2)	2.0 (3)	1.0 (1)	1.5 (2)	
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Goat	2.0 (2)	2.0 (1)	2.0 (1)
Mpumalanga			
Nelspruit, Nelspruit Animal Hospital			
Goat: 2			
Piet Retief, Pets Vet Hospital			
Goat: 2			
Volksrust, Cape Cross Volksrust Dierekliniek			
Sheep: 1			
Gauteng			
Pretoria, Anima Veterinary Consulting Rooms			
Sheep: 2			
North West			
Christiana, Christiana Dierehospitaal			
Sheep: 2			
Free State			
Hoopstad, Hoopstad Dierekliniek			
Sheep: 2			
Viljoenskroon, Viljoenskroon Dierekliniek			
Sheep: 2			
Kwazulu-Natal			
Dundee, Endumeni Herd health			
Sheep: 1			
Kokstad, E.G.Veterinary Services			
Sheep: 3			
Pongola, Pongola Animal Clinic			
Goat: 2			
Vryheid, Dr GH Theron			
Sheep: 2			
Eastern Cape			
Humansdorp, Humansdorp Veterinary Clinic			
Goat: 2			
Middelburg (EC), Steynsburg Dierehospitaal			
Sheep: 1			
Western Cape			
Beaufort West, Beaufort West State Vet			
Sheep: 2			
2 Separate cases of Orf. Autogenous vaccine were produced for farmers			
Heidelberg (WC), Heidelberg Dierekliniek			
Sheep: 1			

Warts									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)	2.0 (1)		2.0 (1)	1.7 (7)	2.2 (6)	1.7 (3)	1.5 (2)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef	1.0 (1)	2.0 (1)		2.0 (1)	1.7 (7)	2.2 (6)		2.0 (1)	
Sheep							1.5 (2)		
Goat							2.0 (1)	1.0 (1)	
Mpumalanga									

Middelburg , Middelburg Dierehospitaal									
Beef: 1									
Gauteng									
Bapsfontein, Bapsfontein Dierehospitaal									
Beef: 2									
North West									
Christiana, Christiana Dierehospitaal									
Beef: 2									
Free State									
Bothaville, Cape Cross Bothaville Veterinary Hospital									
Beef: 1									
Bultfontein, Greylingrust Dieresprekkamer									
Beef: 2									
Clocolan, Clocolan Dierekliniek									
Beef: 2									
Frankfort, Frankfort Dierekliniek									
Beef: 2									
Reitz, Riemland Dierekliniek									
Beef: 2									
Senekal, Melach, Theo Kotze Senekal									
Beef: 2									
Vrede, Vrede Dierehospitaal									
Beef: 1									
Kwazulu-Natal									
Bergville, Bergville Veterinary Clinic									
Beef: 2									
Dundee, Endumeni Herd health									
Beef: 2									
Estcourt, Estcourt Vet Clinic									
Beef: 2									
Kokstad, E.G. Veterinary Services									
Beef: 3									
Mtubatuba, Mtubatuba Animal Clinic									
Beef: 2									
Vryheid, Dr GH Theron									
Beef: 2									
Eastern Cape									
Aliwal North, Uitspan C Troskie									
Sheep: 2									
Graaff-Reinet, Graaff Reinet Veterinary Clinic									
Goat: 2									
Middelburg (EC), Steynsburg Dierehospitaal									
Sheep: 1									
Western Cape									
Stellenbosch, Stellenbosch Animal Hospital									
Goat: 1									
Swellendam, Oakhurst Animal Clinic									
Beef: 2									
Other viral disease not listed									^
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)								
North West									
Leeudoringstad, Leeudoringstad Dierekliniék									
Beef: 2									
Contagious balanoposthitis in bulls caused by herpesvirus.									
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)		2.0 (1)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef					1.0 (1)	2.0 (1)			
Dairy								2.0 (1)	
Free State									
Hertzogville, Hertzogville Dierekliniék									
Beef: 1									
Kwazulu-Natal									
Estcourt, Estcourt Vet Clinic									
Beef: 2									
Western Cape									
Heidelberg (WC), Heidelberg Dierekliniék									
Dairy: 2									
Cestrum									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average		1.0 (1)					3.0 (1)		
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef		1.0 (1)					3.0 (1)		
Gauteng									
Bronkhorstspuit, Kerkstraat Dierekliniék									
Beef: 1									
Eastern Cape									
Queenstown, Queenstown Provincial Vet Lab									
Beef: 3									
Geeldikkop/Dikoor									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North	Free	Kwazulu-	Eastern	Western	Northern

				West	State	Natal	Cape	Cape	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)	
Western Cape									
Piketberg, Piketberg Dierehospitaal									
Sheep: 3									
Duwweltjies									
Lantana									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average						1.7 (3)	2.0 (1)		
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef						1.7 (3)			
Sheep							2.0 (1)		
Kwazulu-Natal									
Bergville, Bergville Veterinary Clinic									
Beef: 2									
Estcourt, Estcourt Vet Clinic									
Beef: 1									
Howick, Howick Veterinary Clinic									
Beef: 2									
Eastern Cape									
Graaff-Reinet, Graaff Reinet Veterinary Clinic									
Sheep: 2									
Seneciosis									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average						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)			
Sheep						3.0 (1)	3.0 (2)		
Kwazulu-Natal									
Kokstad, E.G.Veterinary Services									
Beef: 3, Sheep: 3									
Eastern Cape									
Queenstown, Queenstown Provincial Vet Lab									
Sheep: 3									
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	2.5 (6)	1.0 (1)			1.8 (6)	2.3 (7)	2.0 (1)	1.5 (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	2.4 (5)	1.0 (1)			1.8 (5)	2.3 (7)		2.0 (3)	
Dairy								1.0 (1)	
Sheep	3.0 (1)				2.0 (1)		2.0 (1)	1.0 (1)	
Goat								1.0 (1)	
Mpumalanga									
Bethal, Bethal Dierekliniek									
Beef: 2									
Delmas, Dr Johan Jooste									
Beef: 3									
Ermelo, Môregloed Veterinêre Spreekkamer									
Beef: 3, Sheep: 3									
Lydenburg, Lydenburg Dieresprekkamer									
Beef: 2									
Middelburg , Middelburg Dierehospitaal									
Beef: 2									
Gauteng									
Bronkhorstspuit, Kerkstraat Dierekliniek									
Beef: 1									
Free State									
Bothaville, Cape Cross Bothaville Veterinary Hospital									
Beef: 1									
Frankfort, Frankfort Dierekliniek									
Beef: 2, Sheep: 2									
Harrismith, Harrismith Dierehospitaal									
Beef: 3									
Reitz, Riemland Dierekliniek									
Beef: 1									
Vrede, Vrede Dierehospitaal									
Beef: 2									
Kwazulu-Natal									
Bergville, Bergville Veterinary Clinic									
Beef: 2									
Bergville, Tugela Vet Clinic									
Beef: 3									
Dundee, Endumeni Herd health									
Beef: 3									
Dundee, Mpati Veterinary Clinic									
Beef: 2									
We have had some tulip toxicity cases reported. Mainly young cattle not used to it.									
Estcourt, Estcourt Vet Clinic									
Beef: 2									
Kokstad, E.G.Veterinary Services									
Beef: 2									
Newcastle, Ncanduvet Newcastle									

Beef: 2
Eastern Cape
Queenstown, Queenstown Provincial Vet Lab
Sheep: 2
Western Cape
Caledon, Overberg Veterinary Hospital
Beef: 1, Dairy: 1, Sheep: 1, Goat: 1
Ceres, Ceres Veterinary Hospital
Beef: 2
Swellendam, Swellendam Dierehospitaal
Beef: 3

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

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

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

Free State
Frankfort, Frankfort Direkliniek
Beef: 2
Kwazulu-Natal
Howick, Howick Veterinary Clinic
Dairy: 2
Eastern Cape
Jeffreys Bay, Cape Cross Veterinary Hospital
Dairy: 2
Western Cape
Malmesbury, Malmesbury Dierehospitaal
Dairy: 3

When nearing the end of the available reserves, chances are that poor quality (mouldy) silage could end up in the ration (TMR). The effect of this could be an increase in the number of abortions/resorptions and an adverse effect on the livers. The work rate of a dairy cow's liver is immense and this should never be impaired due to the consumption of toxins such as found in mouldy feed

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

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

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

Mpumalanga
Ermelo, Môregloed Veterinêre Spreekkamer
Beef: 1

Harpuisbos									
Gauteng									
Nigel, Welgelegen Dierekliniek									
Dairy: 2									
Five dairy cows with Syringa berry poisoning									
Western Cape									
Plettenberg Bay, Plettenberg Bay A Reitz									
Dairy: 2									
Poisonings									
Water contamination									^
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)				
Free State									
Bultfontein, Greylingrust Dieresprekkamer									
Beef: 2									
Hoopstad, Hoopstad Dierekliniek									
Beef: 3									
Urea Poisoning									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)			2.5 (2)	1.5 (2)	1.0 (1)	2.0 (1)		
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef				2.5 (2)	1.0 (1)				
Dairy						1.0 (1)			
Sheep	1.0 (1)				2.0 (1)		2.0 (1)		
Mpumalanga									
Ermelo, Mōregloed Veterinêre Spreekkamer									
Sheep: 1									
North West									
Brits, Brits Dierekliniek									
Beef: 2									
Stella, Stella Dierekliniek									
Beef: 3									
Free State									
Frankfort, Frankfort Dierekliniek									
Sheep: 2									
Reitz, Riemland Dierekliniek									
Beef: 1									
Kwazulu-Natal									
Dundee, Endumeni Herd health									

Dairy: 1									
Eastern Cape									
Queenstown, Queenstown Provincial Vet Lab									
Sheep: 2									
Snake Bite									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average					1.0 (1)				
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef					1.0 (1)				
Free State									
Clocolan, Clocolan Dierekliniek									
Beef: 1									
Rinkhals									
Blue-green algae									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average							2.0 (1)		
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Dairy							2.0 (1)		
Eastern Cape									
Jeffreys Bay, Cape Cross Veterinary Hospital									
Dairy: 2									
Copper Poisoning									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average						3.0 (1)			2.0 (1)
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef						3.0 (1)			
Sheep									2.0 (1)
Kwazulu-Natal									
Dundee, Mpati Veterinary Clinic									
Beef: 3									
Northern Cape									
De Aar, De Aar Veterinary Clinic									
Sheep: 2									
Geelsiekte									

Other ^

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

Beef						2.0 (1)		3.0 (1)	
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Kwazulu-Natal

Camperdown, Camperdown Vet Clinic

Beef: 2

Western Cape

Swellendam, Oakhurst Animal Clinic

Beef: 3

Zinc excess

Macro Nutritional Problems

Energy deficiency ^

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
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Average	2.4 (5)	1.3 (3)	3.0 (1)	2.8 (6)	2.4 (8)	2.6 (17)	2.0 (1)	1.7 (3)	
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Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef	2.5 (4)	1.0 (2)	3.0 (1)	3.0 (3)	2.2 (5)	2.6 (11)		1.5 (2)	
Dairy	2.0 (1)						2.0 (1)	2.0 (1)	
Sheep		2.0 (1)		2.7 (3)	2.7 (3)	3.0 (3)			
Goat						2.0 (3)			

Mpumalanga

Middelburg , Middelburg Dierehospitaal

Beef: 3

Nelspruit, Nelspruit Animal Hospital

Beef: 3

Very bad grazing conditions: Body condition Score (BCS) low

Dairy: 2

Poor pasture conditions

Standerton, Standerton Dierehospitaal

Beef: 3

Volksrust, Cape Cross Volksrust Dierkliniek

Beef: 1

Gauteng

Bapsfontein, Bapsfontein Dierehospitaal

Beef: 1

Pretoria, Anima Veterinary Consulting Rooms

Sheep: 2

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 1

Limpopo

Polokwane, Pietersburg Veterinary Clinic
Beef: 3
North West
Brits, Brits Dierekliniek
Beef: 3
Christiana, Christiana Dierehospitaal
Beef: 3
Klerksdorp, Klerksdorp Dierehospitaal
Sheep: 2
Leeudoringstad, Leeudoringstad Dierekliniek
Beef: 3, Sheep: 3
Vryburg, Vryburg Dierehospitaal
Sheep: 3
Free State
Clocolan, Clocolan Dierekliniek
Beef: 3
Harrismith, Harrismith Dierehospitaal
Beef: 2
Reitz, Riemland Dierekliniek
Beef: 2
Villiers, Wilgepoort Dierekliniek Vennootskap
Beef: 2, Sheep: 3
Vrede, Saulshoek Dierepraktyk
Sheep: 2
Vrede, Vrede Dierehospitaal
Sheep: 3
Wesselsbron, Wesselsbron Dierekliniek
Beef: 2
Kwazulu-Natal
Bergville, Bergville Veterinary Clinic
Beef: 2
Bergville, Tugela Vet Clinic
Beef: 1, Goat: 1
Camperdown, Camperdown Vet Clinic
Beef: 3, Goat: 2
Dundee, Mpati Veterinary Clinic
Beef: 3
Still lots of nutritional problems. Protein and energy deficiencies, also vitamin A and minerals: Selenium and Copper. Veld is running out , but thankfully a bit of rain fell and farmers are burning off the old grass, as the new grass is pushing through green.
Howick, Howick Veterinary Clinic
Beef: 3
Kokstad, E.G.Veterinary Services
Beef: 3, Sheep: 3
Mtubatuba, Mtubatuba Animal Clinic
Beef: 2
Drought
Pietermaritzburg, Richmond Veterinay Clinic
Beef: 3
Severe drought
Pongola, Pongola Animal Clinic
Beef: 3, Sheep: 3, Goat: 3
Underberg, Underberg Veterinary Surgery
Beef: 3, Sheep: 3

Vryheid, Dr GH Theron									
Beef: 3									
Eastern Cape									
Humansdorp, Humansdorp Veterinary Clinic									
Dairy: 2									
Heifers									
Western Cape									
Caledon, Overberg Veterinary Hospital									
Beef: 1									
Malmesbury, Malmesbury Dierehospitaal									
Dairy: 2									
Silage pits are empty on some farms only to remind us that a feed bank is of the essence in order to farm effectively throughout the year. A farm can only accommodate a certain quantity of animals and this number should never be exceeded.									
Swellendam, Oakhurst Animal Clinic									
Beef: 2									
Protein deficiency									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.3 (4)	1.0 (1)		2.8 (5)	2.3 (4)	2.7 (20)	2.7 (3)	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	2.3 (4)	1.0 (1)		2.7 (3)	2.3 (4)	2.6 (13)	2.5 (2)	2.5 (2)	
Sheep				3.0 (2)		3.0 (3)	3.0 (1)		2.0 (1)
Goat						2.5 (4)			
Mpumalanga									
Middelburg , Middelburg Dierehospitaal									
Beef: 2									
Nelspruit, Nelspruit Animal Hospital									
Beef: 3									
Standerton, Standerton Dierehospitaal									
Beef: 3									
Volksrust, Cape Cross Volksrust Dierekliniek									
Beef: 1									
Gauteng									
Bapsfontein, Bapsfontein Dierehospitaal									
Beef: 1									
North West									
Brits, Brits Dierekliniek									
Beef: 2									
Christiana, Christiana Dierehospitaal									
Beef: 3									
Leeudoringstad, Leeudoringstad Dierekliniek									
Beef: 3, Sheep: 3									
Vryburg, Vryburg Dierehospitaal									
Sheep: 3									
Free State									
Clocolan, Clocolan Dierekliniek									
Beef: 3									
Harrismith, Harrismith Dierehospitaal									

Beef: 2
Reitz, Riemland Dierekliniek
Beef: 2
Wesselsbron, Wesselsbron Dierekliniek
Beef: 2
Kwazulu-Natal
Bergville, Bergville Veterinary Clinic
Beef: 2
Bergville, Tugela Vet Clinic
Beef: 2, Goat: 2
Camperdown, Camperdown Vet Clinic
Beef: 3, Goat: 2
Dundee, Endumeni Herd health
Beef: 2
Dundee, Mpati Veterinary Clinic
Beef: 3
Still lots of nutritional problems. Protein and energy deficiencies, also vitamin A and minerals: Selenium and Copper. Veld is running out , but thankfully a bit of rain fell and farmers are burning off the old grass, as the new grass is pushing through green. We had about 40 mm rain about a month ago.
Sheep: 3
Goats and sheep – young lambs are dying of under nourishment, where mothers aren't fed adequately. Bad time to lamb without adequate supplementary feeding.
Goat: 3
Goats and sheep – young lambs are dying of under nourishment, where mothers aren't fed adequately. Bad time to lamb without adequate supplementary feeding.
Estcourt, Estcourt Vet Clinic
Beef: 2
Howick, Howick Veterinary Clinic
Beef: 3
Kokstad, E.G.Veterinary Services
Beef: 3
Mtubatuba, Mtubatuba Animal Clinic
Beef: 2
Drought
Pietermaritzburg, Richmond Veterinay Clinic
Beef: 3
Pongola, Pongola Animal Clinic
Beef: 3, Sheep: 3, Goat: 3
Underberg, Underberg Veterinary Surgery
Beef: 3, Sheep: 3
Vryheid, Dr GH Theron
Beef: 3
Eastern Cape
Alexandria, Alexandria Platteland Spreekkamer
Beef: 2
Middelburg (EC), Steynsburg Dierehospitaal
Beef: 3, Sheep: 3
Malnutrition - undersized lambs (1)
Western Cape
Beaufort West, Beaufort West State Vet
Beef: 2
Swellendam, Oakhurst Animal Clinic
Beef: 3
Northern Cape

De Aar, De Aar Veterinary Clinic									
Sheep: 2									
Wet carcasses									
Phosphate deficiency									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (1)			2.5 (2)					
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef	2.0 (1)			2.5 (2)					
Mpumalanga									
Standerton, Standerton Dierehospitaal									
Beef: 2									
North West									
Brits, Brits Dierekliniek									
Beef: 2									
Christiana, Christiana Dierehospitaal									
Beef: 3									
Calcium deficiency									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.5 (2)			2.0 (1)	1.8 (8)	2.6 (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									
Beef	2.0 (1)			2.0 (1)	1.0 (1)	2.7 (3)			
Dairy	3.0 (1)				1.5 (4)	2.5 (2)	2.0 (1)	2.0 (1)	
Sheep					2.3 (3)				
Mpumalanga									
Standerton, Standerton Dierehospitaal									
Beef: 2, Dairy: 3									
North West									
Brits, Brits Dierekliniek									
Beef: 2									
Free State									
Clocolan, Clocolan Dierekliniek									
Dairy: 2									
Frankfort, Frankfort Dierekliniek									
Dairy: 2									
Hertzogville, Hertzogville Dierekliniek									
Beef: 1									
Ladybrand, Ladybrand / Excelsior Dierekliniek									
Dairy: 1, Sheep: 2									
Reitz, Riemland Dierekliniek									
Sheep: 2									
Villiers, Wilgepoort Dierekliniek Vennootskap									
Dairy: 1, Sheep: 3									

Kwazulu-Natal
Bergville, Bergville Veterinary Clinic
Beef: 2
Dundee, Endumeni Herd health
Dairy: 2
Howick, Howick Veterinary Clinic
Beef: 3, Dairy: 3
Pietermaritzburg, Richmond Veterinary Clinic
Beef: 3
Eastern Cape
Humansdorp, Humansdorp Veterinary Clinic
Dairy: 2
Western Cape
Heidelberg (WC), Heidelberg Dierekliniek
Dairy: 2

Micro Nutritional Problems

Iodine deficiency ^

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

Beef						2.5 (2)			
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Kwazulu-Natal
Bergville, Bergville Veterinary Clinic
Beef: 2
Howick, Howick Veterinary Clinic
Beef: 3

Copper deficiency ^

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

Beef						2.0 (4)		2.0 (1)	
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Kwazulu-Natal
Bergville, Bergville Veterinary Clinic
Beef: 2
Dundee, Mpati Veterinary Clinic
Beef: 2

Still lots of nutritional problems. Protein and energy deficiencies, also vitamin A and minerals: Selenium and Copper. Veld is running out , but thankfully a bit of rain fell and farmers are burning off the old grass, as the new grass is pushing through green.

Pietermaritzburg, Richmond Veterinary Clinic
Beef: 2

Vryheid, Dr GH Theron									
Beef: 2									
Western Cape									
Swellendam, Oakhurst Animal Clinic									
Beef: 2									
Zinc deficiency									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average						2.0 (2)			
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef						2.0 (1)			
Sheep						2.0 (1)			
Kwazulu-Natal									
Bergville, Bergville Veterinary Clinic									
Beef: 2									
Kokstad, E.G.Veterinary Services									
Sheep: 2									
Selenium deficiency									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	3.0 (1)			3.0 (1)	1.0 (2)	1.8 (4)			
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef	3.0 (1)				1.0 (1)	1.8 (4)			
Sheep				3.0 (1)	1.0 (1)				
Mpumalanga									
Piet Retief, Pets Vet Hospital									
Beef: 3									
North West									
Christiana, Christiana Dierehospitaal									
Sheep: 3									
Free State									
Harrismith, Harrismith Dierehospitaal									
Sheep: 1									
Memel, Memel Veterinary Clinic									
Beef: 1									
Kwazulu-Natal									
Bergville, Bergville Veterinary Clinic									
Beef: 2									
Dundee, Mpati Veterinary Clinic									
Beef: 2									
Still lots of nutritional problems. Protein and energy deficiencies, also vitamin A and minerals: Selenium and Copper. Veld is running out , but thankfully a bit of rain fell and farmers are burning off the old grass, as the new grass is pushing through green.									
Newcastle, Ncanduvet Newcastle									

Beef: 1
Pietermaritzburg, Richmond Veterinay Clinic
 Beef: 2

Magnesium deficiency [^](#)

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

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

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

Mpumalanga
Standerton, Standerton Dierehospitaal

Beef: 2

Eastern Cape
Aliwal North, Uitspan C Troskie

Sheep: 2

Magnesium deficiency in heavily pregnant ewes on barley fields

Western Cape
Heidelberg (WC), Heidelberg Dierkliniek

Dairy: 2

Iodine deficiency [^](#)

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

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

Beef						2.0 (1)			
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Kwazulu-Natal
Bergville, Bergville Veterinary Clinic

Beef: 2

Vitamin A deficiency [^](#)

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 (2)	2.8 (4)			

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

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

Mpumalanga
Nelspruit, Nelspruit Animal Hospital
Beef: 2
North West
Christiana, Christiana Dierehospitaal
Beef: 2
Leeudoringstad, Leeudoringstad Dierekliniek
Beef: 3
Free State
Hoopstad, Hoopstad Dierekliniek
Beef: 3, Sheep: 3
Kwazulu-Natal
Bergville, Bergville Veterinary Clinic
Beef: 2
Pongola, Pongola Animal Clinic
Beef: 3, Sheep: 3, Goat: 3

Vitamin B deficiency [^](#)

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

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

Beef		1.0 (1)							
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Gauteng
Bronkhorstspuit, Kerkstraat Dierekliniek
Beef: 1
2 Feedlot outbreaks of Vitamin B1 deficiency due to high molasses in ration

Multi-factorial Disease Conditions

Abortions [^](#)

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.5 (10)	2.0 (1)	1.0 (1)	2.3 (4)	2.3 (15)	2.3 (11)	2.7 (7)	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

Beef	2.6 (5)			2.3 (4)	2.3 (10)	2.1 (7)	2.5 (2)	2.0 (2)	
Dairy	3.0 (1)					2.5 (2)		2.0 (2)	
Sheep	2.0 (2)				2.4 (5)	3.0 (1)	3.0 (2)		3.0 (1)
Goat	2.5 (2)	2.0 (1)	1.0 (1)			2.0 (1)	2.7 (3)		

Mpumalanga
Bethal, Bethal Dierekliniek
Sheep: 1
Ermelo, Môregloed Veterinêre Spreekkamer
Beef: 3, Sheep: 3

Grootvlei, Grootvlei Dierekliniek
Beef: 2
Middelburg , Middelburg Dierehospitaal
Beef: 3, Goat: 3
Nelspruit, Nelspruit Animal Hospital
Goat: 2
Goitre
Standerton, Standerton Dierehospitaal
Beef: 3, Dairy: 3
Volksrust, Cape Cross Volksrust Dierekliniek
Beef: 2
Gauteng
Bapsfontein, Bapsfontein Dierehospitaal
Goat: 2
Limpopo
Polokwane, Pietersburg Veterinary Clinic
Goat: 1
North West
Brits, Brits Dierekliniek
Beef: 3
Christiana, Christiana Dierehospitaal
Beef: 2
Klerksdorp, Klerksdorp Dierehospitaal
Beef: 2
Vryburg, Vryburg Dierehospitaal
Beef: 2
Free State
Clocolan, Clocolan Dierekliniek
Beef: 2
Frankfort, Frankfort Dierekliniek
Beef: 3, Sheep: 2
Harrismith, Harrismith Dierehospitaal
Beef: 2, Sheep: 2
Hoopstad, Hoopstad Dierekliniek
Beef: 3, Sheep: 3
Memel, Memel Veterinary Clinic
Beef: 2
Reitz, Riemland Dierekliniek
Beef: 2
Senekal, Melach, Theo Kotze Senekal
Beef: 2
Villiers, Wilgepoort Dierekliniek Vennootskap
Beef: 3, Sheep: 3
Vrede, Vrede Dierehospitaal
Beef: 2
Various causes
Zastron, Zastron Dierekliniek
Beef: 2, Sheep: 2
Kwazulu-Natal
Bergville, Bergville Veterinary Clinic
Beef: 3
Bergville, Tugela Vet Clinic
Beef: 2, Goat: 2
Dundee, Mpati Veterinary Clinic

Beef: 2									
One farmer had 5 cows abort which seem to be laboratory positive for Listeriosis (suspect infected bales). Also could be iodine deficiency as non-iodised salt was fed.									
Howick, Howick Veterinary Clinic									
Beef: 3, Dairy: 3									
Kokstad, E.G.Veterinary Services									
Beef: 3, Sheep: 3									
Mooi River, Mooirivier Vet Clinic									
Dairy: 2									
Mtubatuba, Mtubatuba Animal Clinic									
Beef: 1									
Newcastle, Ncanduvet Newcastle									
Beef: 1									
Eastern Cape									
Aliwal North, Uitspan C Troskie									
Beef: 2									
Graaff-Reinet, Graaff Reinet Veterinary Clinic									
Goat: 2									
Middelburg (EC), Steynsburg Dierehospitaal									
Beef: 3, Sheep: 3, Goat: 3									
Queenstown, Queenstown Provincial Vet Lab									
Sheep: 3, Goat: 3									
Western Cape									
Heidelberg (WC), Heidelberg Dierekliniek									
Dairy: 2									
Malmesbury, Malmesbury Dierehospitaal									
Dairy: 2									
Swellendam, Oakhurst Animal Clinic									
Beef: 2									
Swellendam, Swellendam Dierehospitaal									
Beef: 2									
Northern Cape									
Kimberley, Kimberley Dierekliniek									
Sheep: 3									
Stillbirths									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average					2.2 (9)	2.7 (6)			
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef					2.2 (6)	2.7 (3)			
Dairy						2.5 (2)			
Sheep					2.3 (3)	3.0 (1)			
Free State									
Clocolan, Clocolan Dierekliniek									
Beef: 2									
Frankfort, Frankfort Dierekliniek									
Beef: 2									
Hoopstad, Hoopstad Dierekliniek									
Beef: 3, Sheep: 3									

Kroonstad, Kroonstad Dierehospitaal
Sheep: 2
Senekal, Melach, Theo Kotze Senekal
Beef: 2
Villiers, Wilgepoort Dierekliniek Vennootskap
Beef: 2, Sheep: 2
Vrede, Vrede Dierehospitaal
Beef: 2
Kwazulu-Natal
Bergville, Bergville Veterinary Clinic
Beef: 2
Howick, Howick Veterinary Clinic
Beef: 3, Dairy: 3
Kokstad, E.G. Veterinary Services
Beef: 3, Sheep: 3
Mooi River, Mooirivier Vet Clinic
Dairy: 2

Abscesses ^

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (5)	2.0 (1)		3.0 (1)	1.6 (14)	1.7 (9)	2.0 (4)	1.3 (4)	1.0 (1)

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

Beef	2.0 (3)			3.0 (1)	1.5 (10)	1.4 (5)		1.0 (1)	1.0 (1)
Dairy					1.0 (1)	2.0 (2)		1.0 (1)	
Sheep	2.0 (2)	2.0 (1)			2.0 (3)	2.0 (1)	2.0 (2)	1.5 (2)	
Goat						2.0 (1)	2.0 (2)		

Mpumalanga
Ermelo, Mōregloed Veterinêre Spreekkamer
Beef: 3
Increase in comparison to previous months
Sheep: 3
Grootvlei, Grootvlei Dierekliniek
Beef: 2
Lydenburg, Lydenburg Dieresprekkamer
Beef: 1
Middelburg, Middelburg Dierehospitaal
Sheep: 1
Gauteng
Pretoria, Anima Veterinary Consulting Rooms
Sheep: 2
North West
Christiana, Christiana Dierehospitaal
Beef: 3
Free State
Bultfontein, Greylingrust Dieresprekkamer
Sheep: 1
Clocolan, Clocolan Dierekliniek

Beef: 2
Ficksburg, Oos Vrystaat Diere Produkte
Beef: 2
Frankfort, Frankfort Dierekliniek
Beef: 2
Harrismith, Harrismith Dierehospitaal
Beef: 1
Hertzogville, Hertzogville Dierekliniek
Beef: 1
Hoopstad, Hoopstad Dierekliniek
Beef: 3, Sheep: 3
Ladybrand, Ladybrand / Excelsior Dierekliniek
Beef: 1
Reitz, Riemland Dierekliniek
Beef: 1, Dairy: 1
Senekal, Melach, Theo Kotze Senekal
Beef: 1
Wesselsbron, Wesselsbron Dierekliniek
Beef: 1, Sheep: 2
Kwazulu-Natal
Bergville, Tugela Vet Clinic
Sheep: 2, Goat: 2
Dundee, Endumeni Herd health
Beef: 1, Dairy: 1
Estcourt, Estcourt Vet Clinic
Beef: 1, Dairy: 3
Pietermaritzburg, Richmond Veterinay Clinic
Beef: 2
Pongola, Pongola Animal Clinic
Beef: 1
Underberg, Underberg Veterinary Surgery
Beef: 2
Inadequate biosecurity when injecting intramuscularly in rump
Eastern Cape
Graaff-Reinet, Camdeboo Veterinary Clinic
Goat: 1
Graaff-Reinet, Graaff Reinet Veterinary Clinic
Sheep: 1
Middelburg (EC), Steynsburg Dierehospitaal
Sheep: 3, Goat: 3
<i>Corynebacterium ovis</i> (1)
Western Cape
Ceres, Ceres Veterinary Hospital
Sheep: 2
Oudtshoorn, Oudtshoorn Dierekliniek
Sheep: 1
<i>Corynebacterium</i>
Stellenbosch, Stellenbosch Animal Hospital
Dairy: 1
Swellendam, Oakhurst Animal Clinic
Beef: 1
Northern Cape
Kimberley, Kimberley Dierekliniek
Beef: 1

Abscesses in general ^

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

Mpumalanga									
Standerton, Standerton Dierehospitaal									
Beef: 3, Dairy: 3									
Gauteng									
Bapsfontein, Bapsfontein Dierehospitaal									
Beef: 2, Sheep: 2									
North West									
Vryburg, Vryburg Dierehospitaal									
Sheep: 2									
Kwazulu-Natal									
Mtubatuba, Mtubatuba Animal Clinic									
Beef: 2, Goat: 2									
Eastern Cape									
Queenstown, Queenstown Provincial Vet Lab									
Sheep: 2, Goat: 2									
Western Cape									
Caledon, Overberg Veterinary Hospital									
Dairy: 2									

Bladder stones ^

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

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

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

Mpumalanga									
Nelspruit, Nelspruit Animal Hospital									
Goat: 2									
High energy diet									
Free State									
Bothaville, Cape Cross Bothaville Veterinary Hospital									
Sheep: 2									
Frankfort, Frankfort Dierekliniek									
Sheep: 2									

Villiers, Wilgepoort Dierekliniek Vennootskap									
Sheep: 2									
Vrede, Vrede Dierehospitaal									
Sheep: 1									
Feedlot situation									
Western Cape									
George, George Animal Hospital									
Goat: 1									

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

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)			

Kwazulu-Natal									
Mtubatuba, Mtubatuba Animal Clinic									
Goat: 1									
Western Cape									
Heidelberg (WC), Heidelberg Dierekliniek									
Sheep: 1									

Bloat									^
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PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average				3.0 (1)	1.8 (8)	1.3 (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				3.0 (1)	1.8 (4)	1.0 (2)			
Dairy								2.0 (1)	
Sheep					1.8 (4)	2.0 (1)			
Goat						1.0 (1)		1.0 (1)	

North West									
Brits, Brits Dierekliniek									
Beef: 3									
Free State									
Clocolan, Clocolan Dierekliniek									
Beef: 2									
Maize overload									
Ficksburg, Oos Vrystaat Diere Produkte									
Sheep: 2									
Frankfort, Frankfort Dierekliniek									
Beef: 2									
Hertzogville, Hertzogville Dierekliniek									
Sheep: 2									

Ladybrand, Ladybrand / Excelsior Dierekliek
Sheep: 1
Reitz, Riemland Dierekliek
Beef: 1
Villiers, Wilgepoort Dierekliek Vennootskap
Beef: 2, Sheep: 2
Kwazulu-Natal
Kokstad, E.G.Veterinary Services
Sheep: 2
Mooi River, Mooirivier Vet Clinic
Beef: 1
Mtubatuba, Mtubatuba Animal Clinic
Beef: 1, Goat: 1
Feed related
Western Cape
Heidelberg (WC), Heidelberg Dierekliek
Dairy: 2
Stellenbosch, Stellenbosch Animal Hospital
Goat: 1

Blood gut (sheep and goat)										^
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PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average					3.0 (1)			2.5 (2)	

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

Sheep					3.0 (1)			2.5 (2)	
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Free State
Villiers, Wilgepoort Dierekliek Vennootskap
Sheep: 3
Western Cape
Caledon, Overberg Veterinary Hospital
Sheep: 3
Heidelberg (WC), Heidelberg Dierekliek
Sheep: 2

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

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

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

Mpumalanga
Grootvlei, Grootvlei Dierekliek
Dairy: 1

Gauteng
Nigel, Welgelegen Dierekliniek
Goat: 1
North West
Brits, Brits Dierekliniek
Sheep: 3
Free State
Frankfort, Frankfort Dierekliniek
Sheep: 2
Hoopstad, Hoopstad Dierekliniek
Dairy: 2
Ladybrand, Ladybrand / Excelsior Dierekliniek
Sheep: 1
Reitz, Riemland Dierekliniek
Sheep: 2
Kwazulu-Natal
Estcourt, Estcourt Vet Clinic
Dairy: 2
Eastern Cape
Middelburg (EC), Steynsburg Dierehospitaal
Sheep: 3
Western Cape
Heidelberg (WC), Heidelberg Dierekliniek
Sheep: 2
Stellenbosch, Provincial Veterinary Laboratory
Goat: 1

Stellenbosch area: Two milk samples yielded *Staphylococcus aureus*, the most common cause of caprine mastitis.

Diarrhoea									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.5 (4)	1.3 (3)		2.0 (5)	2.0 (2)	1.8 (4)	2.0 (1)	1.8 (5)	

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

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

Mpumalanga
Ermelo, Môregloed Veterinêre Spreekkamer
Beef: 1
Grootvlei, Grootvlei Dierekliniek
Beef: 2
Standerton, Standerton Dierehospitaal
Beef: 2
Volksrust, Cape Cross Volksrust Dierekliniek
Beef: 1
Gauteng
Bapsfontein, Bapsfontein Dierehospitaal
Dairy: 2, Goat: 1
Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 1
North West
Brits, Brits Dierekliniek
Beef: 2, Sheep: 2
Christiana, Christiana Dierehospitaal
Beef: 2
Klerksdorp, Klerksdorp Dierehospitaal
Sheep: 1
Vryburg, Vryburg Dierehospitaal
Beef: 3
Free State
Reitz, Riemland Dierekliniek
Beef: 2
Zastron, Zastron Dierekliniek
Dairy: 2
Kwazulu-Natal
Bergville, Bergville Veterinary Clinic
Beef: 2
Bergville, Tugela Vet Clinic
Goat: 1
Mtubatuba, Mtubatuba Animal Clinic
Beef: 2, Goat: 2
Eastern Cape
Humansdorp, Humansdorp Veterinary Clinic
Dairy: 2
Calves
Western Cape
Darling, Darling Dierekliniek
Dairy: 1
Rotavirus - calves bought, not vaccinated
George, George Animal Hospital
Dairy: 2, Sheep: 1
Malmesbury, Malmesbury Dierehospitaal
Dairy: 2
Swellendam, Oakhurst Animal Clinic
Beef: 3

Epididymitis									^
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PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (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	2.0 (1)				1.7 (3)				
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Mpumalanga
Standerton, Standerton Dierehospitaal
Sheep: 2
Free State
Bothaville, Cape Cross Bothaville Veterinary Hospital
Sheep: 2
Vrede, Vrede Dierehospitaal

Sheep: 1									
Wesselsbron, Wesselsbron Dierekliniek									
Sheep: 2									
Eye Cancer									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (2)				1.4 (5)	1.3 (4)		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)				2.0 (2)	1.0 (1)		1.0 (1)	
Dairy	1.0 (1)				1.0 (2)	1.3 (3)		1.0 (2)	
Sheep					1.0 (1)				
Mpumalanga									
Standerton, Standerton Dierehospitaal									
Beef: 1, Dairy: 1									
Free State									
Bothaville, Cape Cross Bothaville Veterinary Hospital									
Sheep: 1									
Clocolan, Clocolan Dierekliniek									
Dairy: 1									
Frankfort, Frankfort Dierekliniek									
Beef: 2									
Ladybrand, Ladybrand / Excelsior Dierekliniek									
Dairy: 1									
Senekal, Melach, Theo Kotze Senekal									
Beef: 2									
Kwazulu-Natal									
Bergville, Bergville Veterinary Clinic									
Beef: 1									
Dundee, Endumeni Herd health									
Dairy: 1									
Kokstad, E.G. Veterinary Services									
Dairy: 2									
Mooi River, Mooirivier Vet Clinic									
Dairy: 1									
Western Cape									
Heidelberg (WC), Heidelberg Dierekliniek									
Dairy: 1									
Stellenbosch, Stellenbosch Animal Hospital									
Beef: 1, Dairy: 1									
Eye infections									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.3 (3)	2.2 (5)		2.5 (4)	2.0 (4)	1.9 (7)	3.0 (5)	1.7 (6)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									

Beef	1.3 (3)	2.0 (1)		2.5 (2)	2.3 (3)	1.7 (3)	3.0 (1)	1.8 (4)
Dairy						2.0 (2)	3.0 (1)	
Sheep		2.3 (3)		2.5 (2)	1.0 (1)	2.0 (1)	3.0 (2)	2.0 (1)
Goat		2.0 (1)				2.0 (1)	3.0 (1)	1.0 (1)

Mpumalanga

Ermelo, Mōregloed Veterinêre Spreekkamer

Beef: 1

Lydenburg, Lydenburg Dieresprekkamer

Beef: 1

Nelspruit, Nelspruit Animal Hospital

Beef: 2

Gauteng

Bapsfontein, Bapsfontein Dierehospitaal

Beef: 2, Sheep: 2, Goat: 2

Pretoria, Anima Veterinary Consulting Rooms

Sheep: 2

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Sheep: 3

North West

Brits, Brits Dierekliniek

Beef: 2, Sheep: 2

Christiana, Christiana Dierehospitaal

Beef: 3

Stella, Stella Dierekliniek

Sheep: 3

Free State

Clocolan, Clocolan Dierekliniek

Beef: 3

Harrismith, Harrismith Dierehospitaal

Beef: 1, Sheep: 1

Memel, Memel Veterinary Clinic

Beef: 3

Kwazulu-Natal

Bergville, Tugela Vet Clinic

Beef: 1

Dundee, Endumeni Herd health

Dairy: 2

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2, Goat: 2

Pietermaritzburg, Richmond Veterinay Clinic

Beef: 2

Underberg, Underberg Veterinary Surgery

Dairy: 2

Dry weather and dust precipitate the problem

Sheep: 2

Eastern Cape

Alexandria, Alexandria Platteland Spreekkamer

Beef: 3

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Sheep: 3

Jeffreys Bay, Cape Cross Veterinary Hospital

Dairy: 3

Middelburg (EC), Steynsburg Dierehospitaal

Sheep: 3, Goat: 3

Western Cape									
Ceres, Ceres Veterinary Hospital									
Beef: 3									
George, George Animal Hospital									
Beef: 1									
Heidelberg (WC), Heidelberg Dierkliniek									
Sheep: 2, Goat: 1									
Stellenbosch, Stellenbosch Animal Hospital									
Beef: 1									
Swellendam, Oakhurst Animal Clinic									
Beef: 2									

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

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

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

Gauteng									
Bapsfontein, Bapsfontein Dierehospitaal									
Beef: 1, Goat: 1									
North West									
Brits, Brits Dierkliniek									
Sheep: 2									
Klerksdorp, Klerksdorp Dierehospitaal									
Beef: 2									
Eastern Cape									
Graaff-Reinet, Graaff Reinet Veterinary Clinic									
Sheep: 2									
Widespread									
Western Cape									
Stellenbosch, Stellenbosch Animal Hospital									
Beef: 1									

Lameness/Foot Problems									^
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PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.3 (3)	2.0 (2)		3.0 (2)	1.7 (7)	2.3 (3)	2.3 (3)	2.1 (7)	

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

Beef	2.0 (2)	2.0 (1)		3.0 (2)	1.6 (5)	2.0 (2)	3.0 (1)	2.0 (2)	
Dairy	3.0 (1)				2.0 (2)	3.0 (1)		2.3 (4)	
Sheep		2.0 (1)					2.0 (1)	2.0 (1)	
Goat							2.0 (1)		

Mpumalanga
Ermelo, Môregloed Veterinêre Spreekkamer
Beef: 2
Standerton, Standerton Dierehospitaal
Beef: 2, Dairy: 3
Gauteng
Pretoria, Anima Veterinary Consulting Rooms
Beef: 2, Sheep: 2
North West
Christiana, Christiana Dierehospitaal
Beef: 3
Vryburg, Vryburg Dierehospitaal
Beef: 3
Free State
Bultfontein, Greylingrust Dierspreekkamer
Beef: 2
Clocolan, Clocolan Dierekliniek
Beef: 2, Dairy: 2
Ficksburg, Oos Vrystaat Diere Produkte
Beef: 1
Kroonstad, Kroonstad Dierehospitaal
Dairy: 2
Memel, Memel Veterinary Clinic
Beef: 1
Viljoenskroon, Viljoenskroon Dierekliniek
Beef: 2
Kwazulu-Natal
Estcourt, Estcourt Vet Clinic
Dairy: 3
Pietermaritzburg, Richmond Veterinary Clinic
Beef: 3
Pongola, Pongola Animal Clinic
Beef: 1
Eastern Cape
Alexandria, Alexandria Platteland Spreekkamer
Beef: 3
Graaff-Reinet, Graaff Reinet Veterinary Clinic
Sheep: 2
Foot abscesses caused by long mouthed ticks
Goat: 2
Foot abscesses caused by long mouthed ticks
Western Cape
George, George Animal Hospital
Dairy: 3
Wet winter
Sheep: 2
Malmesbury, Malmesbury Dierehospitaal
Dairy: 2
Stellenbosch, Stellenbosch Animal Hospital
Beef: 2, Dairy: 1
Swellendam, Oakhurst Animal Clinic
Beef: 2
Swellendam, Swellendam Dierehospitaal
Dairy: 3

Lung infection									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.7 (7)	1.5 (4)	1.0 (2)	2.8 (6)	2.2 (24)	1.9 (14)	1.2 (5)	1.7 (3)	1.5 (2)
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef	1.6 (5)	2.0 (1)	1.0 (1)	2.8 (4)	2.3 (12)	2.0 (6)	2.0 (1)	1.0 (2)	1.0 (1)
Dairy					1.0 (1)	2.3 (3)		3.0 (1)	
Sheep	2.0 (2)	2.0 (1)		3.0 (2)	2.1 (11)	1.5 (2)	1.0 (2)		2.0 (1)
Goat		1.0 (2)	1.0 (1)			1.7 (3)	1.0 (2)		
Mpumalanga									
Bethal, Bethal Dierekliniek									
Sheep: 1									
Ermelo, Môregloed Veterinêre Spreekkamer									
Beef: 3									
Seen a lot of cases of pneumonia this month, no samples sent in to determine exact cause									
Sheep: 3									
Seen a lot of cases of pneumonia this month, no samples sent in to determine exact cause									
Middelburg , Middelburg Dierehospitaal									
Beef: 1									
Nelspruit, Nelspruit Animal Hospital									
Beef: 1									
Standerton, Standerton Dierehospitaal									
Beef: 2									
Volksrust, Cape Cross Volksrust Dierekliniek									
Beef: 1									
Gauteng									
Bapsfontein, Bapsfontein Dierehospitaal									
Sheep: 2									
Bronkhorstspuit, Kerkstraat Dierekliniek									
Beef: 2, Goat: 1									
Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic									
Goat: 1									
Limpopo									
Polokwane, Pietersburg Veterinary Clinic									
Beef: 1									
Tzaneen, Tzaneen Dierekliniek									
Goat: 1									
North West									
Brits, Brits Dierekliniek									
Beef: 2									
Christiana, Christiana Dierehospitaal									
Beef: 3									
Klerksdorp, Klerksdorp Dierehospitaal									
Beef: 3, Sheep: 3									
Leeudoringstad, Leeudoringstad Dierekliniek									
Sheep: 3									

Vryburg, Vryburg Dierehospitaal
Beef: 3
Free State
Bethlehem, Bethlehem Animal Hospital
Beef: 3, Sheep: 3
Clocolan, Clocolan Dierekliniek
Beef: 3
Dewetsdorp, Platkop Dierekliniek
Sheep: 2
Ficksburg, Oos Vrystaat Diere Produkte
Beef: 3
<i>Mannheimia haemolytica</i>
Frankfort, Frankfort Dierekliniek
Beef: 2
Harrismith, Harrismith Dierehospitaal
Beef: 1, Sheep: 1
Hertzogville, Hertzogville Dierekliniek
Sheep: 3
Hoopstad, Hoopstad Dierekliniek
Beef: 3, Sheep: 3
Kroonstad, Kroonstad Dierehospitaal
Sheep: 2
Memel, Memel Veterinary Clinic
Beef: 3
Reitz, Riemland Dierekliniek
Beef: 2, Dairy: 1, Sheep: 2
Viljoenskroon, Viljoenskroon Dierekliniek
Beef: 2, Sheep: 2
Villiers, Wilgepoort Dierekliniek Vennootskap
Beef: 2, Sheep: 2
Vrede, Saulshoek Dierepraktyk
Beef: 2
Vrede, Vrede Dierehospitaal
Beef: 2, Sheep: 2
Zastron, Zastron Dierekliniek
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, Dairy: 2
Mooi River, Mooirivier Vet Clinic
Dairy: 2
Mtubatuba, Mtubatuba Animal Clinic
Beef: 2, Goat: 2
Pietermaritzburg, Richmond Veterinary Clinic
Beef: 3
Intensive systems - perennial winter problem
Pongola, Pongola Animal Clinic
Beef: 1, Sheep: 1, Goat: 1
Underberg, Underberg Veterinary Surgery
Dairy: 3

Eastern Cape									
Aliwal North, Uitspan C Troskie									
Beef: 2									
Cradock, Cradock Veterinary Clinic									
Sheep: 1									
Inhalation pneumonia - downer ewe inhaled ruminal material.									
Graaff-Reinet, Camdeboo Veterinary Clinic									
Sheep: 1, Goat: 1									
Queenstown, Queenstown Provincial Vet Lab									
Goat: 1									
Western Cape									
Ceres, Ceres Veterinary Hospital									
Beef: 1									
Malmesbury, Malmesbury Dierehospitaal									
Dairy: 3									
Northern Cape									
Kimberley, Kimberley Dierekliniek									
Beef: 1, Sheep: 2									
<i>Mannheimia haemolytica</i> and <i>C. pseudotuberculosis</i> only confirmed in one animal presented for autopsy--more than 10 cases probably involved									
Mastitis in general									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)	1.0 (2)		1.3 (3)	1.8 (6)	2.3 (4)	2.3 (4)	2.6 (5)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef	1.0 (1)			1.0 (1)	1.3 (3)	2.0 (2)	2.0 (2)		
Dairy		1.0 (1)			2.3 (3)	2.5 (2)	3.0 (1)	2.6 (5)	
Sheep				1.5 (2)					
Goat		1.0 (1)					2.0 (1)		
Mpumalanga									
Grootvlei, Grootvlei Dierekliniek									
Beef: 1									
Gauteng									
Bapsfontein, Bapsfontein Dierehospitaal									
Dairy: 1									
Pretoria, Anima Veterinary Consulting Rooms									
Goat: 1									
North West									
Brits, Brits Dierekliniek									
Sheep: 2									
Klerksdorp, Klerksdorp Dierehospitaal									
Beef: 1, Sheep: 1									
Free State									
Clocolan, Clocolan Dierekliniek									
Dairy: 2									
Frankfort, Frankfort Dierekliniek									
Dairy: 2									
Memel, Memel Veterinary Clinic									
Beef: 2									

Senekal, Melach, Theo Kotze Senekal									
Beef: 1, Dairy: 3									
Viljoenskroon, Viljoenskroon Dierekliniek									
Beef: 1									
Kwazulu-Natal									
Bergville, Bergville Veterinary Clinic									
Beef: 2									
Dundee, Endumeni Herd health									
Dairy: 2									
Estcourt, Estcourt Vet Clinic									
Dairy: 3									
Mtubatuba, Mtubatuba Animal Clinic									
Beef: 2									
Communal cattle									
Eastern Cape									
Alexandria, Alexandria Platteland Spreekkamer									
Beef: 2									
Graaff-Reinet, Graaff Reinet Veterinary Clinic									
Beef: 2, Goat: 2									
Jeffreys Bay, Cape Cross Veterinary Hospital									
Dairy: 3									
Western Cape									
George, George Animal Hospital									
Dairy: 3									
Heidelberg (WC), Heidelberg Dierekliniek									
Dairy: 3									
Malmesbury, Malmesbury Dierehospitaal									
Dairy: 3									
Stellenbosch, Provincial Veterinary Laboratory									
Dairy: 1									
Paarl area: <i>Trueperella pyogenes</i> was isolated from a milk sample from a cow from a large dairy. It causes mastitis occasionally. Treatment is usually not successful due to the tendency to abscess formation.									
Swellendam, Swellendam Dierehospitaal									
Dairy: 3									
Navel III									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average				2.0 (1)	1.0 (1)	2.0 (2)		1.0 (1)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef					1.0 (1)	2.0 (1)			
Dairy						2.0 (1)		1.0 (1)	
Sheep				2.0 (1)					
North West									
Brits, Brits Dierekliniek									
Sheep: 2									
Free State									
Ladybrand, Ladybrand / Excelsior Dierekliniek									
Beef: 1									
Kwazulu-Natal									

Estcourt, Estcourt Vet Clinic									
Dairy: 2									
Pietermaritzburg, Richmond Veterinay Clinic									
Beef: 2									
Western Cape									
Malmesbury, Malmesbury Dierehospitaal									
Dairy: 1									
Red gut (Sheep)									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average					3.0 (1)			3.0 (1)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Sheep					3.0 (1)			3.0 (1)	
Free State									
Villiers, Wilgepoort Dierekliniek Vennootskap									
Sheep: 3									
Western Cape									
Heidelberg (WC), Heidelberg Dierekliniek									
Sheep: 3									
Trauma									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (2)	1.5 (2)			1.0 (2)	1.0 (1)			
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef	2.0 (1)				1.0 (2)	1.0 (1)			
Sheep	2.0 (1)	1.0 (1)							
Goat		2.0 (1)							
Mpumalanga									
Standerton, Standerton Dierehospitaal									
Beef: 2, Sheep: 2									
Gauteng									
Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic									
Sheep: 1									
Fractures									
Goat: 2									
Fractures									
Free State									
Frankfort, Frankfort Dierekliniek									
Beef: 1									
Memel, Memel Veterinary Clinic									
Beef: 1									
Traumatic pericarditis									
Kwazulu-Natal									
Pongola, Pongola Animal Clinic									

Beef: 1									
Traumatic pericarditis									
Downer									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.5 (4)			2.0 (3)	1.8 (5)	2.2 (5)		1.0 (1)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef	1.5 (2)			2.0 (2)	1.8 (5)	2.7 (3)		1.0 (1)	
Dairy	1.0 (1)					2.0 (1)			
Sheep	2.0 (1)			2.0 (1)		1.0 (1)			
Mpumalanga									
Lydenburg, Lydenburg Dieresprekkamer									
Beef: 1									
Nelspruit, Nelspruit Animal Hospital									
Dairy: 1									
Standerton, Standerton Dierehospitaal									
Beef: 2, Sheep: 2									
North West									
Brits, Brits Dierekliniek									
Beef: 2									
Vryburg, Vryburg Dierehospitaal									
Beef: 2, Sheep: 2									
Free State									
Clocolan, Clocolan Dierekliniek									
Beef: 2									
Protein deficiency, lean animals									
Ficksburg, Oos Vrystaat Diere Produkte									
Beef: 2									
Frankfort, Frankfort Dierekliniek									
Beef: 2									
Hoopstad, Hoopstad Dierekliniek									
Beef: 1									
Villiers, Wilgepoort Dierekliniek Vennootskap									
Beef: 2									
Kwazulu-Natal									
Bergville, Bergville Veterinary Clinic									
Beef: 2									
Camperdown, Camperdown Vet Clinic									
Beef: 3									
Dundee, Endumeni Herd health									
Dairy: 2									
Kokstad, E.G.Veterinary Services									
Beef: 3									
Mtubatuba, Mtubatuba Animal Clinic									
Sheep: 1									
Western Cape									
Stellenbosch, Stellenbosch Animal Hospital									
Beef: 1									

Other ^

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

Goat		1.0 (1)				1.0 (1)			
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Gauteng

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Goat: 1

Cystitis

Kwazulu-Natal

Camperdown, Camperdown Vet Clinic

Goat: 1

Metabolic Diseases

Acidosis ^

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
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Average	2.3 (3)	2.0 (1)		2.5 (2)	2.3 (10)	2.2 (6)	2.0 (1)	1.0 (1)	
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Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef	2.0 (2)	2.0 (1)		3.0 (1)	2.3 (4)	2.0 (1)			
Dairy						2.5 (2)			
Sheep	3.0 (1)			2.0 (1)	2.3 (6)	3.0 (1)	2.0 (1)	1.0 (1)	
Goat						1.5 (2)			

Mpumalanga

Bethal, Bethal Dierekliniek

Beef: 2, Sheep: 3

Nelspruit, Nelspruit Animal Hospital

Beef: 2

Fed on green bananas

Gauteng

Bapsfontein, Bapsfontein Dierehospitaal

Beef: 2

North West

Brits, Brits Dierekliniek

Sheep: 2

Vryburg, Vryburg Dierehospitaal

Beef: 3

Free State

Clocolan, Clocolan Dierekliniek

Beef: 2

Ficksburg, Oos Vrystaat Diere Produkte

Sheep: 2

Hertzogville, Hertzogville Dierekliniek									
Sheep: 2									
Hoopstad, Hoopstad Dierekliniek									
Beef: 3, Sheep: 3									
Ladybrand, Ladybrand / Excelsior Dierekliniek									
Beef: 2, Sheep: 2									
Reitz, Riemland Dierekliniek									
Beef: 2									
Villiers, Wilgepoort Dierekliniek Vennootskap									
Sheep: 3									
Vrede, Vrede Dierehospitaal									
Sheep: 2									
Kwazulu-Natal									
Camperdown, Camperdown Vet Clinic									
Goat: 2									
Dundee, Endumeni Herd health									
Dairy: 2									
Howick, Howick Veterinary Clinic									
Beef: 2, Dairy: 3									
Kokstad, E.G.Veterinary Services									
Sheep: 3									
Mtubatuba, Mtubatuba Animal Clinic									
Goat: 1									
Feed not controlled									
Eastern Cape									
Graaff-Reinet, Graaff Reinet Veterinary Clinic									
Sheep: 2									
Western Cape									
Beaufort West, Beaufort West State Vet									
Sheep: 1									
Merino whether died due to excessive grain intake									
Displaced abomasum									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)				1.0 (2)	2.7 (3)	2.0 (1)	1.5 (2)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Dairy	1.0 (1)				1.0 (2)	2.7 (3)	2.0 (1)	1.5 (2)	
Mpumalanga									
Standerton, Standerton Dierehospitaal									
Dairy: 1									
Free State									
Kroonstad, Kroonstad Dierehospitaal									
Dairy: 1									
Vrede, Vrede Dierehospitaal									
Dairy: 1									
Kwazulu-Natal									
Dundee, Endumeni Herd health									
Dairy: 2									
Estcourt, Estcourt Vet Clinic									

Dairy: 3
Howick, Howick Veterinary Clinic
Dairy: 3
Eastern Cape
Jeffreys Bay, Cape Cross Veterinary Hospital
Dairy: 2
Western Cape
Darling, Darling Dierekliniek
Dairy: 2
Stellenbosch, Stellenbosch Animal Hospital
Dairy: 1

Ketosis									^
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PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.3 (3)	1.3 (4)		3.0 (1)	2.0 (8)	2.3 (3)	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)								
Dairy					1.0 (1)	2.5 (2)		1.0 (1)	
Sheep	2.0 (1)	1.3 (3)		3.0 (1)	2.1 (7)	2.0 (1)	1.0 (1)		
Goat		1.0 (1)							

Mpumalanga
Bethal, Bethal Dierekliniek
Beef: 3
Standerton, Standerton Dierehospitaal
Beef: 2, Sheep: 2
Gauteng
Bronkhorstspuit, Kerkstraat Dierekliniek
Sheep: 1
Nigel, Welgelegen Dierekliniek
Sheep: 1, Goat: 1
Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic
Sheep: 2
North West
Leeudoringstad, Leeudoringstad Dierekliniek
Sheep: 3
Free State
Clocolan, Clocolan Dierekliniek
Sheep: 2
Especially in ewes with 3 or 4 lambs
Frankfort, Frankfort Dierekliniek
Sheep: 3
Hoopstad, Hoopstad Dierekliniek
Dairy: 1, Sheep: 2
Kroonstad, Kroonstad Dierehospitaal
Sheep: 1
Ladybrand, Ladybrand / Excelsior Dierekliniek
Sheep: 2
Villiers, Wilgepoort Dierekliniek Vennootskap
Sheep: 3

Zastron, Zastron Dierekliniek									
Sheep: 2									
Kwazulu-Natal									
Dundee, Endumeni Herd health									
Dairy: 2									
Howick, Howick Veterinary Clinic									
Dairy: 3									
Kokstad, E.G.Veterinary Services									
Sheep: 2									
Eastern Cape									
Graaff-Reinet, Camdeboo Veterinary Clinic									
Sheep: 1									
Western Cape									
Stellenbosch, Stellenbosch Animal Hospital									
Dairy: 1									
Milk Fever									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.5 (2)			3.0 (1)	2.0 (6)	2.7 (3)	1.5 (2)	2.0 (4)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef	2.0 (1)				2.0 (1)				
Dairy	1.0 (1)				1.7 (3)	2.7 (3)	1.5 (2)	2.3 (3)	
Sheep				3.0 (1)	2.5 (2)			1.0 (1)	
Mpumalanga									
Grootvlei, Grootvlei Dierekliniek									
Beef: 2									
Nelspruit, Nelspruit Animal Hospital									
Dairy: 1									
North West									
Leeudoringstad, Leeudoringstad Dierekliniek									
Sheep: 3									
Free State									
Clocolan, Clocolan Dierekliniek									
Dairy: 1									
Frankfort, Frankfort Dierekliniek									
Sheep: 3									
Hoopstad, Hoopstad Dierekliniek									
Beef: 2									
Ladybrand, Ladybrand / Excelsior Dierekliniek									
Sheep: 2									
Villiers, Wilgepoort Dierekliniek Vennootskap									
Dairy: 1									
Vrede, Vrede Dierehospitaal									
Dairy: 3									
Kwazulu-Natal									
Dundee, Endumeni Herd health									
Dairy: 2									
Estcourt, Estcourt Vet Clinic									
Dairy: 3									

Howick, Howick Veterinary Clinic
Dairy: 3
Eastern Cape
Humansdorp, Humansdorp Veterinary Clinic
Dairy: 2
Uitenhage, Uitenhage Dierehospitaal
Dairy: 1
Western Cape
George, George Animal Hospital
Dairy: 2
Heidelberg (WC), Heidelberg Dierekliniek
Dairy: 3, Sheep: 1
Stellenbosch, Stellenbosch Animal Hospital
Dairy: 2

Reproductive diseases

Dystocia (Difficult Births)

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.5 (14)	1.7 (7)	1.3 (3)	2.3 (10)	2.3 (23)	2.3 (21)	2.4 (5)	1.8 (9)	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	2.6 (7)	2.0 (3)	1.5 (2)	2.6 (7)	2.5 (13)	2.4 (14)	2.3 (3)	1.7 (3)	1.5 (2)
Dairy	2.5 (2)				2.0 (1)	2.3 (4)	2.5 (2)	2.3 (3)	
Sheep	2.3 (4)	1.7 (3)		1.7 (3)	2.3 (8)	3.0 (1)		1.0 (1)	2.0 (1)
Goat	3.0 (1)	1.0 (1)	1.0 (1)		1.0 (1)	2.0 (2)		1.5 (2)	

Mpumalanga

Bethal, Bethal Dierekliniek

Beef: 2, Sheep: 1

Ermelo, Môregloed Veterinêre Spreekkamer

Beef: 3, Sheep: 3, Goat: 3

Grootvlei, Grootvlei Dierekliniek

Beef: 3, Dairy: 2

Middelburg, Middelburg Dierehospitaal

Beef: 3

Nelspruit, Nelspruit Animal Hospital

Beef: 2

Standerton, Standerton Dierehospitaal

Beef: 3, Dairy: 3, Sheep: 3

Volksrust, Cape Cross Volksrust Dierekliniek

Beef: 2, Sheep: 2

Gauteng

Bapsfontein, Bapsfontein Dierehospitaal

Beef: 2, Sheep: 2, Goat: 1

Bronkhorstspuit, Kerkstraat Dierekliniek

Beef: 1, Sheep: 1

Nigel, Welgelegen Dierekliniek

Beef: 3

Heifers
Pretoria, Anima Veterinary Consulting Rooms
Sheep: 2
Limpopo
Polokwane, Pietersburg Veterinary Clinic
Beef: 2
Tzaneen, Tzaneen Dierekliniek
Beef: 1, Goat: 1
North West
Bloemhof, Bloemhof Dierekliniek
Beef: 2
Brits, Brits Dierekliniek
Beef: 3, Sheep: 2
Christiana, Christiana Dierehospitaal
Beef: 3
Klerksdorp, Klerksdorp Dierehospitaal
Beef: 2, Sheep: 2
Leeudoringstad, Leeudoringstad Dierekliniek
Beef: 3
Heifers bred too early
Stella, Stella Dierekliniek
Beef: 3
Vryburg, Vryburg Dierehospitaal
Beef: 2, Sheep: 1
Free State
Bothaville, Cape Cross Bothaville Veterinary Hospital
Goat: 1
Clocolan, Clocolan Dierekliniek
Beef: 3
Frankfort, Frankfort Dierekliniek
Beef: 3, Sheep: 3
Harrismith, Harrismith Dierehospitaal
Beef: 3, Sheep: 3
Hertzogville, Hertzogville Dierekliniek
Beef: 2
Hoopstad, Hoopstad Dierekliniek
Beef: 3, Sheep: 3
Ladybrand, Ladybrand / Excelsior Dierekliniek
Beef: 2
Memel, Memel Veterinary Clinic
Beef: 3, Sheep: 2
Reitz, Riemland Dierekliniek
Beef: 3, Sheep: 2
Sasolburg, Sasolburg veearts
Beef: 1
Senekal, Melach, Theo Kotze Senekal
Beef: 2
Villiers, Wilgepoort Dierekliniek Vennootskap
Beef: 2, Sheep: 2
Vrede, Vrede Dierehospitaal
Beef: 3, Dairy: 2, Sheep: 2
Wesselsbron, Wesselsbron Dierekliniek
Beef: 2, Sheep: 1
Kwazulu-Natal

Bergville, Bergville Veterinary Clinic
Beef: 3
Bergville, Tugela Vet Clinic
Beef: 3, Goat: 3
Camperdown, Camperdown Vet Clinic
Beef: 1
Dundee, Endumeni Herd health
Beef: 3
Dundee, Mpati Veterinary Clinic
Beef: 2
3-4 dystocias (breech / foetal oversizes / malpresentations)
Estcourt, Estcourt Vet Clinic
Beef: 2, Dairy: 2
Greytown, Greytown Veterinary Hospital
Beef: 2
Howick, Howick Veterinary Clinic
Beef: 3, Dairy: 3
Ingogo, Gen XY Stud Beef Consultancy
Beef: 1
Kokstad, E.G.Veterinary Services
Beef: 3, Sheep: 3
Mooi River, Mooirivier Vet Clinic
Beef: 2, Dairy: 2
Mtubatuba, Mtubatuba Animal Clinic
Beef: 2, Goat: 1
Newcastle, Ncanduvet Newcastle
Beef: 3
Pietermaritzburg, Richmond Veterinay Clinic
Beef: 3
Calving season coupled with nutritional problems
Underberg, Underberg Veterinary Surgery
Dairy: 2
Eastern Cape
Alexandria, Alexandria Platteland Spreekkamer
Beef: 3
Aliwal North, Uitspan C Troskie
Beef: 3
Graaff-Reinet, Graaff Reinet Veterinary Clinic
Beef: 1
Humansdorp, Humansdorp Veterinary Clinic
Dairy: 3
Uitenhage, Uitenhage Dierehospitaal
Dairy: 2
Western Cape
Beaufort West, Beaufort West State Vet
Goat: 2
C-sections were performed on 2 Angora goats with dystocia. The price of mohair makes it economically viable for farmers to pay for C-sections.
Caledon, Overberg Veterinary Hospital
Sheep: 1, Goat: 1
Ceres, Ceres Veterinary Hospital
Beef: 2
Heidelberg (WC), Heidelberg Dierekliniek
Dairy: 2

Malmesbury, Malmesbury Dierehospitaal									
Dairy: 3									
Oudtshoorn, Oudtshoorn Dierekliniek									
Beef: 1									
Swellendam, Oakhurst Animal Clinic									
Beef: 2									
Swellendam, Swellendam Dierehospitaal									
Dairy: 2									
Northern Cape									
Kathu, Kathu Dierekliniek									
Beef: 2, Sheep: 2									
Kimberley, Kimberley Dierekliniek									
Beef: 1									
<i>Schistosomus reflexus</i> in a young heifer that was prematurely covered									
Endometritis									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.3 (3)			2.0 (1)	1.3 (3)	2.5 (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)	1.0 (1)			1.0 (1)	
Dairy	3.0 (1)				1.5 (2)	2.5 (2)		2.0 (2)	
Mpumalanga									
Grootvlei, Grootvlei Dierekliniek									
Beef: 2									
Nelspruit, Nelspruit Animal Hospital									
Beef: 2									
Standerton, Standerton Dierehospitaal									
Dairy: 3									
North West									
Brits, Brits Dierekliniek									
Beef: 2									
Free State									
Clocolan, Clocolan Dierekliniek									
Dairy: 2									
Vrede, Vrede Dierehospitaal									
Beef: 1, Dairy: 1									
Kwazulu-Natal									
Dundee, Endumeni Herd health									
Dairy: 2									
Howick, Howick Veterinary Clinic									
Dairy: 3									
Western Cape									
Caledon, Overberg Veterinary Hospital									
Dairy: 2									
Heidelberg (WC), Heidelberg Dierekliniek									
Dairy: 2									
Stellenbosch, Stellenbosch Animal Hospital									
Beef: 1									

Metritis ^

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

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

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

Mpumalanga									
Ermelo, Môregloed Veterinêre Spreekkamer									
Beef: 1									
Standerton, Standerton Dierehospitaal									
Dairy: 2									
Gauteng									
Pretoria, Anima Veterinary Consulting Rooms									
Sheep: 1									
North West									
Christiana, Christiana Dierehospitaal									
Beef: 3									
Free State									
Vrede, Vrede Dierehospitaal									
Beef: 1									
Kwazulu-Natal									
Estcourt, Estcourt Vet Clinic									
Dairy: 3									
Howick, Howick Veterinary Clinic									
Dairy: 3									
Kokstad, E.G.Veterinary Services									
Sheep: 2									
Pietermaritzburg, Richmond Veterinay Clinic									
Beef: 3									
Eastern Cape									
Graaff-Reinet, Graaff Reinet Veterinary Clinic									
Goat: 2									
Western Cape									
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	2.4 (5)			1.0 (1)	3.0 (2)	2.3 (4)	1.5 (2)	2.0 (3)	

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

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

Mpumalanga									
Ermelo, Mōregloed Veterinêre Spreekkamer									
Beef: 2, Sheep: 2									
Grootvlei, Grootvlei Dierekliniek									
Beef: 2									
Nelspruit, Nelspruit Animal Hospital									
Beef: 3									
G									
Standerton, Standerton Dierehospitaal									
Dairy: 3									
North West									
Christiana, Christiana Dierehospitaal									
Beef: 1									
Free State									
Frankfort, Frankfort Dierekliniek									
Beef: 3									
Zastron, Zastron Dierekliniek									
Beef: 3									
Kwazulu-Natal									
Bergville, Tugela Vet Clinic									
Beef: 1									
Howick, Howick Veterinary Clinic									
Dairy: 3									
Pietermaritzburg, Richmond Veterinay Clinic									
Beef: 3									
Underberg, Underberg Veterinary Surgery									
Dairy: 2									
Eastern Cape									
Middelburg (EC), Steynsburg Dierehospitaal									
Sheep: 2									
Uitenhage, Uitenhage Dierehospitaal									
Dairy: 1									
Western Cape									
Caledon, Overberg Veterinary Hospital									
Dairy: 2									
Heidelberg (WC), Heidelberg Dierekliniek									
Dairy: 2									
Swellendam, Swellendam Dierehospitaal									
Dairy: 2									

Retained afterbirth									^
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PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.5 (4)			2.0 (3)	1.9 (7)	2.0 (7)	2.0 (1)	2.0 (4)	

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

Beef	1.3 (3)	2.0 (3)	1.7 (6)	1.8 (5)	2.0 (1)
Dairy	2.0 (1)			2.5 (2)	2.0 (1) 2.0 (3)
Sheep			3.0 (1)		

Mpumalanga					
Ermelo, Môregloed Veterinêre Spreekkamer					
Beef: 1					
Grootvlei, Grootvlei Dierekliniek					
Beef: 1					
Nelspruit, Nelspruit Animal Hospital					
Beef: 2					
Standerton, Standerton Dierehospitaal					
Dairy: 2					
North West					
Brits, Brits Dierekliniek					
Beef: 2					
Christiana, Christiana Dierehospitaal					
Beef: 1					
Leeudoringstad, Leeudoringstad Dierekliniek					
Beef: 3					
Free State					
Bultfontein, Greylingrust Dierspreekkamer					
Beef: 1					
Frankfort, Frankfort Dierekliniek					
Beef: 2					
Harrismith, Harrismith Dierehospitaal					
Beef: 1					
Hoopstad, Hoopstad Dierekliniek					
Beef: 3, Sheep: 3					
Reitz, Riemland Dierekliniek					
Beef: 2					
Wesselsbron, Wesselsbron Dierekliniek					
Beef: 1					
Kwazulu-Natal					
Bergville, Bergville Veterinary Clinic					
Beef: 2					
Dundee, Endumeni Herd health					
Dairy: 2					
Howick, Howick Veterinary Clinic					
Dairy: 3					
Ingogo, Gen XY Stud Beef Consultancy					
Beef: 1					
Kokstad, E.G.Veterinary Services					
Beef: 2					
Mtubatuba, Mtubatuba Animal Clinic					
Beef: 1					
Pietermaritzburg, Richmond Veterinay Clinic					
Beef: 3					
Eastern Cape					
Humansdorp, Humansdorp Veterinary Clinic					
Dairy: 2					
Western Cape					
Caledon, Overberg Veterinary Hospital					
Dairy: 2					
Heidelberg (WC), Heidelberg Dierekliniek					

Dairy: 2
Malmesbury, Malmesbury Dierehospitaal
Dairy: 2
Swellendam, Oakhurst Animal Clinic
Beef: 2

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

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

Beef	1.0 (1)	1.0 (1)				1.0 (1)			
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Mpumalanga									
Nelspruit, Nelspruit Animal Hospital									
Beef: 1									
Gauteng									
Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic									
Beef: 1									
Kwazulu-Natal									
Mtubatuba, Mtubatuba Animal Clinic									
Beef: 1									

Uterus prolapse										^
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PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.2 (9)	1.5 (2)		2.0 (2)	1.7 (18)	1.5 (4)	2.0 (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	2.2 (6)	1.0 (1)		2.0 (1)	1.8 (10)	1.5 (2)		1.0 (1)	
Dairy						1.5 (2)	2.0 (1)	1.0 (1)	
Sheep	2.3 (3)	2.0 (1)		2.0 (1)	1.5 (8)		2.0 (1)	1.0 (1)	

Mpumalanga									
Bethal, Bethal Dierekliniek									
Beef: 2									
Ermelo, Môregloed Veterinêre Spreekkamer									
Beef: 3									
More than usual									
Sheep: 3									
More than usual									
Grootvlei, Grootvlei Dierekliniek									
Beef: 2, Sheep: 2									
Nelspruit, Nelspruit Animal Hospital									
Beef: 1									
Piet Retief, Pets Vet Hospital									
Beef: 2									

Standerton, Standerton Dierehospitaal
Beef: 3, Sheep: 2
Gauteng
Bapsfontein, Bapsfontein Dierehospitaal
Beef: 1
Pretoria, Anima Veterinary Consulting Rooms
Sheep: 2
Rectal prolapse (after giving birth) with uterus prolaps (1)
North West
Brits, Brits Dierekliniek
Beef: 2, Sheep: 2
Free State
Clocolan, Clocolan Dierekliniek
Beef: 2
Dewetsdorp, Platkop Dierekliniek
Sheep: 1
Ficksburg, Oos Vrystaat Diere Produkte
Beef: 2
Frankfort, Frankfort Dierekliniek
Beef: 2
Hertzogville, Hertzogville Dierekliniek
Beef: 2, Sheep: 2
Hoopstad, Hoopstad Dierekliniek
Beef: 1, Sheep: 2
Ladybrand, Ladybrand / Excelsior Dierekliniek
Beef: 1
Reitz, Riemland Dierekliniek
Beef: 3, Sheep: 2
Villiers, Wilgepoort Dierekliniek Vennootskap
Beef: 2, Sheep: 2
Vrede, Vrede Dierehospitaal
Beef: 2, Sheep: 1
Wesselsbron, Wesselsbron Dierekliniek
Sheep: 1
Zastron, Zastron Dierekliniek
Beef: 1, Sheep: 1
Kwazulu-Natal
Bergville, Bergville Veterinary Clinic
Beef: 2
Camperdown, Camperdown Vet Clinic
Beef: 1
Dundee, Endumeni Herd health
Dairy: 1
Howick, Howick Veterinary Clinic
Dairy: 2
Eastern Cape
Humansdorp, Humansdorp Veterinary Clinic
Sheep: 2
Jeffreys Bay, Cape Cross Veterinary Hospital
Dairy: 2
Western Cape
George, George Animal Hospital
Beef: 1
Heidelberg (WC), Heidelberg Dierekliniek

Dairy: 1, Sheep: 1

Vaginal (Cervical) prolapse									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.4 (8)	2.0 (1)		1.3 (3)	1.8 (10)	1.6 (9)		1.0 (3)	1.0 (1)

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

Beef	2.4 (5)	2.0 (1)		1.5 (2)	1.8 (6)	1.8 (6)			1.0 (1)
Dairy								1.0 (2)	
Sheep	2.3 (3)				1.8 (4)	1.0 (3)		1.0 (1)	
Goat				1.0 (1)					

Mpumalanga									
Bethal, Bethal Dierekliniek									
Beef: 2									
Ermelo, Mōregloed Veterinêre Spreekkamer									
Beef: 3									
More than usual									
Sheep: 3									
More than usual									
Grootvlei, Grootvlei Dierekliniek									
Beef: 2, Sheep: 1									
Piet Retief, Pets Vet Hospital									
Beef: 2									
Standerton, Standerton Dierehospitaal									
Beef: 3, Sheep: 3									
Gauteng									
Bapsfontein, Bapsfontein Dierehospitaal									
Beef: 2									
North West									
Bloemhof, Bloemhof Dierekliniek									
Beef: 2									
Brits, Brits Dierekliniek									
Beef: 1, Goat: 1									
Free State									
Clocolan, Clocolan Dierekliniek									
Beef: 2, Sheep: 2									
Magnesium deficiency									
Frankfort, Frankfort Dierekliniek									
Beef: 2									
Hoopstad, Hoopstad Dierekliniek									
Beef: 2, Sheep: 2									
Reitz, Riemland Dierekliniek									
Beef: 2									
Villiers, Wilgepoort Dierekliniek Vennootskap									
Beef: 2, Sheep: 2									
Vrede, Vrede Dierehospitaal									
Sheep: 1									
Wesselsbron, Wesselsbron Dierekliniek									
Beef: 1									

Kwazulu-Natal
Bergville, Bergville Veterinary Clinic
Beef: 3
Camperdown, Camperdown Vet Clinic
Beef: 1
Dundee, Endumeni Herd health
Sheep: 1
Estcourt, Estcourt Vet Clinic
Beef: 2
Howick, Howick Veterinary Clinic
Beef: 2
Kokstad, E.G.Veterinary Services
Sheep: 1
Mooi River, Mooirivier Vet Clinic
Beef: 1, Sheep: 1
Mtubatuba, Mtubatuba Animal Clinic
Beef: 2
Western Cape
Caledon, Overberg Veterinary Hospital
Dairy: 1
Heidelberg (WC), Heidelberg Dierekliniek
Dairy: 1, Sheep: 1
Northern Cape
Kimberley, Kimberley Dierekliniek
Beef: 1
Serious prolapse in a pregnant cow

Climatical Cause

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

Eastern Cape
Queenstown, Queenstown Provincial Vet Lab
Sheep: 3, Goat: 3
Western Cape
Swellendam, Oakhurst Animal Clinic
Sheep: 2

Lightning									^
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)								
Mpumalanga									
Ermelo, Môregloed Veterinêre Spreekkamer									
Beef: 1									
Frozen to death									^
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)								
Western Cape									
Beaufort West, Beaufort West State Vet									
Goat: 1									
1 Boergoat lamb that died as a result of exposure/starvation									

Residues

Drug residues									^
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									
Estcourt, Estcourt Vet Clinic									
Dairy: 2									

Non specific diseases

Cause of death not established									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average				2.7 (3)	2.0 (2)	1.0 (1)		1.0 (1)	

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

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

North West									
Brits, Brits Dierekliniek									
Beef: 3, Sheep: 3, Goat: 2									
Free State									
Parys, Parys Dierehospitaal									
Beef: 2									
Phillipolis, Rowelsfontein veearts Spreekkamer									
Sheep: 2									
Lambs of numerous breeds (Dorper, Merino, Afrino) affected. Low incidence (less than 1%). No deaths, muscle spasms when driven or given a fright; recover spontaneously after a few minutes when left alone; repeated when driven again; normal when grazing in the veld. Karooveld. Ages: 1 to four months of age.									
Kwazulu-Natal									
Mooi River, Mooirivier Vet Clinic									
Dairy: 1									
Western Cape									
Caledon, Overberg Veterinary Hospital									
Beef: 1									
Preditors									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (2)				2.5 (4)	2.0 (1)			
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef	2.0 (1)				2.0 (1)	2.0 (1)			
Sheep	2.0 (1)				2.7 (3)				
Mpumalanga									
Grootvlei, Grootvlei Dierekliniek									
Beef: 2, Sheep: 2									
Free State									
Clocolan, Clocolan Dierekliniek									
Beef: 2									
Frankfort, Frankfort Dierekliniek									
Sheep: 3									
Memel, Memel Veterinary Clinic									
Sheep: 3									
Dogs									
Parys, Parys Dierehospitaal									
Sheep: 2									
Kwazulu-Natal									
Mooi River, Mooirivier Vet Clinic									
Beef: 2									
Sabotation – Theft									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.5 (2)	1.5 (2)			2.8 (6)	2.0 (2)			
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases									

reported										
Beef	1.5 (2)	1.5 (2)			2.7 (3)	2.0 (1)				
Sheep					3.0 (3)	2.0 (1)				
Mpumalanga										
Grootvlei, Grootvlei Dierekliniek										
Beef: 1										
Nelspruit, Nelspruit Animal Hospital										
Beef: 2										
Gauteng										
Bapsfontein, Bapsfontein Dierehospitaal										
Beef: 2										
Bronkhorstspuit, Kerkstraat Dierekliniek										
Beef: 1										
Free State										
Frankfort, Frankfort Dierekliniek										
Beef: 2, Sheep: 3										
Memel, Memel Veterinary Clinic										
Beef: 3, Sheep: 3										
Significant source of production loss.										
Villiers, Wilgepoort Dierekliniek Vennootskap										
Beef: 3, Sheep: 3										
Kwazulu-Natal										
Bergville, Bergville Veterinary Clinic										
Beef: 2										
Dundee, Endumeni Herd health										
Sheep: 2										
Trauma									^	
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape	
Average					1.0 (1)					
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported										
Beef					1.0 (1)					
Free State										
Memel, Memel Veterinary Clinic										
Beef: 1										

Reports were also received from practices regarding ostriches, horses and game. These reports as well as the feedlot and laboratory reports are to be seen below the Disease distribution report as reported by veterinarians.

Ostriches

Western Cape

Oudtshoorn – Ostrimed

Chicken season – lots of chickens with diarrhoea

Equines

Mpumalanga

Capecross- Volksrust
Red-legged ticks (2)

Ermelo –Môregloed veterinêre spreekkamer
Ophthalmia (1)

KwaZulu-Natal

Port Alfred Veterinary clinic
Dundee – Mpati Veterinary clinic
Impaction/sand colic (1)

Eastern Cape

Port Alfred Veterinary clinic
Equine biliary cases near Kleinemonde

Northern Cape

Kimberley, Kimberley Dierekliniek

Equine herpesvirus 4 and 1 – Thoroughbreds (2) clinical signs varying from poor performance to nasal discharges to severe posterior paresis/paralysis and urinary incontinence - one out of 6 horses euthanased to date.

Secondary photosensitivity: 1 case

Game

Mpumalanga

Ermelo –Môregloed veterinêre spreekkamer
Capture myopathy (3) cold exposure

Limpopo

Pietersburg Veterinary Clinic
Internal roundworms (3)
Capture myopathy (1)
Trauma (1)

North West

Bloemhof Dierekliniek

Blood gut in springbok (3) – 30 died, arrived from the Kalahari and were immediately given game cubes and ground nut hay.

Blackquarter - Buffalo cow died in boma

Free State

Bloemfontein, FS Detea Wildlife Veterinary Services

Brucellosis (1) Sandveld Nature reserve - Positive RBT, SAT and CFT - low titre - will culture in Sept/Oct - First case on reserve

Abscesses (1) on point of hip due to injury

Trauma (2) Lip of eland torn, springbok leg injury, 2 wounded rhino

Bultfontein – Greylingrustdieresprekkamer

Capture myopathy (2)

KwaZulu-Natal

Memel Veterinary Clinic

Protein deficiency – Impala (1)

Energy deficiency – Impala (1)

Cold exposure – Impala (1)

Pongola animal clinic

Internal roundworms (2)

Protein deficiency (3) – game starting to die on a daily basis on numerous game farms

Energy deficiency (3) – game starting to die on a daily basis on numerous game farms

Vitamin A deficiency (1)

Eastern Cape

Port Alfred Veterinary clinic

Numerous buffalo with diarrhoea and weight loss after heavy rains and grazing shortage at Woody cape near Alexandria. Few wireworm ova and coccidial oocysts present. *E. coli* cultured. Severe cases responded to antibiotic and anti-parasitic therapy. Mild cases just needed some dry hay.

Graaff-Reinet – Camdeboo Veterinary Clinic

Intestinal roundworms – Sable (1)

Pulpy kidney – Sable (1)

Pneumonia - Roan (1)

Western Cape

Beaufort West State vet

Owner lost 6 tsessebe due to inability to adapt to Karoo conditions. On histopathology hypoproteinemia with myonecrosis and hepatocellular atrophy were seen.

Pneumonia – sable (1) died

Stellenbosch, Pathcare lab

Fusibacterium necrophorum- nyala, springbok

Myonecrosis (3) due to transport

Cold exposure (3) – various animals in poor condition transported during winter

Northern Cape

Kimberley, Kimberley Dierekliniek

Selenium deficiency (2) Low selenium concentrations in livers of tsessebe, poor nutrition and stress.

Abscess (1) Massive abscess (*Trueperella pyogenes*) in free ranging roan bull

Lung infection (2) Roan calves – failed to isolate a pathogen. Pneumonia in a springbok – non specific bacterial isolation

Trauma – Giraffe, fatal neck lesion; rhino – serious wounds as a result of fighting; gemsbok – hoof and leg trauma secondary to offloading; gemsbok – fracture distal femur; buffalo – dislocated fetlock joint; hartebeest – radial paralysis; roan – deep skin and muscle wounds due to fighting; buffalo cow – skin and vaginal lacerations as a result of a mob attack; tigers – deep wounds: skin, muscle, interdigital

Endometritis – Roan cow (1) cycles but fail to conceive, saccular dilatation of the uterus.

Kimberley, Trudie Prinsloo

Anthrax – Sable (1)

Snotsiekte - Buffalo (1)

Also see laboratory reports

Monthly report on Livestock and Wildlife isolations for August 2015 from IDEXX Laboratories supplied by dr. Marijke Henton (marijke-henton@idexsa.net)

An unusual isolate this month was *Salmonella* Choleraesuis causing well over 100 deaths in pigs of all ages on a well-run, modern piggery. *Salmonella* Choleraesuis is a pig specific *Salmonella*, in the same way that *S. Gallinarum* is poultry specific, and *S. Dublin* is cattle specific. Species specific *Salmonella* strains are not easy to detect, as they often show aberrant characteristics in the laboratory, making them difficult to identify. As *S. Choleraesuis* is specific to pigs, the source of infection is likely to be

another pig, or someone who was in contact with an infected pig, and not the environment, feed or rodents, as is the case with the other *Salmonella* strains. *Salmonella* Typhimurium, which is not host specific, was isolated from calves with diarrhoea.

Other infections from pigs were *Haemophilus parasuis* (Glasser's Disease), *Staphylococcus aureus* and *Trueperella pyogenes* from purulent lesions, *E. coli* from two cases of enteritis, and *Actinobacillus indolicus*, which does not cause disease, but can be confused with pathogens causing pneumonia.

Pneumonia in feedlot cattle yielded *Mannheimia haemolytica* and *Pasteurella multocida* (3 cases each), *Histophilus somni*, and *Mannheimia* types 9 and 10. There were also two cases due to *Mycoplasma*.

Purulent conditions in goats, cattle, sheep, and as mentioned above, pigs, yielded 8 cases of *T. pyogenes* in total. Only one abscess in a sheep yielded *Corynebacterium pseudotuberculosis*. *Clostridium novyi* was identified using the FA test from the muscle of a sheep, and *C. perfringens* with enteritis in a bovine and a sheep.

Brucella abortus was isolated from a bovine foetus.

There was another case of the vaccine strain of anthrax causing deaths in goats, after they had been injected with a drug to control helminths.

A buffalo foetus also yielded *B. abortus*. *Trueperella pyogenes* was isolated from a black impala abscess, together with an anaerobe (*Porphyromonas*), and also from the lung of a wildebeest. *Streptococcus agalactiae* was isolated from an abscess in an elephant. This infection is common in elephants, and is usually very difficult to cure in elephants. A sable with mastitis yielded *Staphylococcus pseudointermedius*. *Mannheimia* type 8C was isolated from the lung of a Nyala. A cheetah with ringworm yielded *Microsporum canis*.

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

Sheep feedlots

Great losses occurred due to *Salmonella* Typhimurium infection. Infected sheep with diarrhoea arrived at the feedlot and started dying within days. Severe damage occurs in the intestine, especially in the last part of the small intestine and large intestine. Sheep surviving after treatment are not well, eat very little and hardly pick up weight. It is suspected that infection takes place when carrier animals transmit the disease to other animals when they are kraaled. The lambs are more susceptible and together with stress caused by transportation, clinical signs are seen soon after arrival at the feedlot.

Eye infections often occur. Vitamin A deficiency is mostly the contributing factor this time of the year where poor nutrition for sheep is available.

Clostridium septicum infections (gas gangrene) occurred where shearing wounds were infected. Prolapses of the rectum occurred in fat sheep where dusty conditions induced coughing of sheep.

A few cases of urolithiasis (stones in the urether) were seen.

Pulpy kidney, blood gut and acidosis were reported.

Cattle feedlots

Many cases of pneumonia occurred causing many deaths. Dust and fluctuating environmental temperatures together with an increase of cattle in feedlots contributed to the increase of lung problems. IBR (infectious bovine rhinotracheitis) infections were a main contributor to pneumonia outbreaks. Deaths due to pneumonia were seen in calves in breeding herds and during backgrounding.

Acidosis, red gut, bloat, damage to the rumen wall and abscesses were due to nutritional disturbances.

Permanent infected BVD carriers were diagnosed in chronic diseased animals.

Lameness due to injuries and foot rot were seen.

Lice infestations were common.

Blue tick numbers increased and cases of red water and anaplasmosis occurred.

Bont-legged ticks were numerous.

Ringworm and warts were numerous. Warts were even seen in the rumen and reticulum of a few animals.

Abscesses were seen.

Monthly Feedlot report for August 2015 from Dr. Andy Hentzen

[**\(andyvet@mweb.co.za\)**](mailto:andyvet@mweb.co.za)

Conditions	Species
Intestinal roundworms	O 2
Tapeworms	B 3
Liver fluke	B 3
Conical fluke	B 3
Blue ticks	B 3
Biting lice	B 3
Sucking lice	B 3
African red water	B 1
Lumpy skin disease	B 2
Blackleg	B 2
Red gut	B 3
Ringworm	B 3
BVD	B 2
IBR	B 1
Warts	B 3
Protein deficiency	B 3
Energy deficiency	B 3
Vitamin A deficiency	B 2
Micro-mineral deficiencies	B 3
Abortion	B 2
Lameness	B 3
Lung	B 3
Diarrhoea	B 3
Eye problems	B 3
Abscesses	B,C 2

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

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

**Monthly Laboratory report report for August 2015 from Dr. Lucy Lange,
Pathcare Vetlab, Cape Town. (lange@pathcare.co.za)**

Disease condition	Specie	District	Comment
Pneumonia/Pasteurella	Cattle	Namibia	
Nephrotoxicosis	Cattle	Welkom	
Campylobacter	Cattle	Country wide	Confirmed with PCR
Tritrichomonas	Cattle	Country wide	Confirmed with PCR
Septicaemia	Cattle	Western Cape	
Actinobacillosis	Cattle	Boland	
Hypoproteinemia/Starvation	Cattle	Free State	
Abortion/placentitis	Cattle	Riversdale	
Cold exposure	Cattle	Western Cape	
Necrotic enteritis	Cattle	Western Cape	
Cryptosporidiosis	Cattle	Western Cape	
Blackquarter	Cattle	Free State	
Neonatal abortions (Babesia)	Horses	Western Cape	
Sarcoid	Horses	Country wide	
Thyroid carcinoma	Horses	Western Cape	
Gastric ulcer	Horses	Boland	
Parasitic dermatitis	Horses	Eastern Cape	
Necrotic enteritis (no parasites)	Horses	West Coast	
Septicemia	Sheep	Free State	
Pneumonia	Sheep	West Coast and Bethlehem	
Johne's disease	Sheep	Boland and West Coast	
Coxiella abortions	Boergoats	Free State	
Muscle necrosis	Boergoats	Western Cape	
Game: Numerous cases			
Nephrosis (plants?)	Buffalo	Northern Cape	
Capture myopathy	Tsessebe, Sable, Letchwe, Nyala,	Northern Cape	
Pneumonia	Tsessebes, Swartwitpens, Springbok,	Country wide	

	Nyala, Wildebeest, Roan, Gemsbok, lion		
Starvation	Tsessebe, Sable, Bontebok	Northern Cape	
Worms (numerous species)	Bontebok	Western Cape	
Necrobacillosis	Steenbok	Northern Cape	
Kidney amyloidosis	Cheetah	Free State	
Suspected pulpy kidney	Roan	Western Cape	
Necrotic gastritis	Cheetah	Western Cape	
Liver fluke	Alpaca	Western Cape	

Monthly report for August 2015 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 SURVEILLANCE			
LIVESTOCK SPECIES	DISEASE AGENT	NO. CASES	LOCATION
Bovine, Dairy Cow	Anaplasmosis	1	Estcourt, KZN
Bovine, Aborted Fetus	In-utero growth retardation	1	Memel, Free State
Bovine, Yearling Bull	Seneciosis	1	Estcourt, KZN
Bovine, Dairy Cow	Ketosis	1	Dundee, KZN
Bovine Bull	Campylobacter fetus	1	Underberg KZN
Giraffe, Sub-adult	Fibropapilloma (sarcoïd)	1	Gravelotte, Limpopo
Bovine Bulls	Trichomonas foetus	6	Underberg KZN
Bovine Bulls	Campylobacter fetus	1	Underberg KZN
Bovine Bulls	Trichomonas foetus	1	Bergville KZN
Bovine Bulls	Campylobacter fetus	2	Bergville KZN
Bovine Bulls	Trichomonas foetus	9	Volkstrust Mpumalanga
Kudu, Cow	Toxic hepatitis	1	Grahamstown, E.Cape
Bovine, Calf	Group B Salmonella	1	Humansdorp, E. Cape
Bovine Bulls	Campylobacter fetus	2	Underberg KZN
Bovine Bulls	Trichomonas foetus	1	Bergville KZN
Bovine	MCF Wildebees Associated	1	Mtubatuba KZN
Bovine	MCF Wildebees Associated	1	Oudshoorn

**Monthly report for August 2015 from IDEXX laboratories (Onderstepoort)
supplied by dr. Liza du Plessis**

Disease or condition	Specie and numbers
Intestinal roundworms	O,G 1
Heartwater tick	B,G 1
Red-legged tick	G 1
Scabies	C 1
Heartwater	B 1
Sweating sickness	G 1
Theileriosis	G 2
<i>Chlamydophila pecorum</i>	C 1
<i>Chlamydophila abortus</i>	C 1
Brucellosis	B 2
<i>E. coli</i>	B 1
Coccidiosis	G 1
Rabies	G 1
Jaagsiekte	O 1
Abortion	B,O,C,G 1

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

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