

**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**

**June 2015**

Previous disease reports can be seen on the RuVASA website [www.ruvasa.co.za](http://www.ruvasa.co.za)

**Click on Disease Reports**

**The following practices and laboratories (116) submitted reports during May 2015:**

**Mpumalanga (10)**

Balfour – Dr. Louis van Jaarsveld  
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  
Volksrust – Dr. André Visser

**Gauteng (5)**

Bapsfontein -  
Bronkhorstspuit – Drs. De Bruin, De Bruin, Rudolph and Slabber  
Krugersdorp – Drs. Jeffery, Van Eeden and Walker  
Nigel – Dr. Cindy van der Westhuizen  
Onderstepoort Veterinary Academic Hospital – proff. Annandale, Prozesky, Shakespear, Holm and  
drs. Bignaut, Carrington, Gratwick, Grobler, Harmse and O'Dell  
Pretoria – Dr. Hanneke Pienaar

**Limpopo (6)**

Bela-Bela – Drs. Du Toit, Hansen, Bester and Herbst  
Lephalale (Ellisras) – Dr. Brigitte Luck  
Makhado (Louis Trichardt) – Drs. Harris, Klopper and Jacobs  
Mokopane (Potgietersrus) - Dr. Henk Visser

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

Vaalwater - Dr. Hampie van Staden

### **North West (18)**

Christiana - Dr. Pieter Nel

Klerksdorp – Drs. Van den Berg and Theron

Leeudoringstad - Dr. Ian Jonker

Schweizer - Reneke - Dr. N.J. Heyns

Stella - Dr. Magdaleen Vossler

Swartruggens – Dr. Roselle Hartwigsen

Ventersdorp – Drs. Marais and Benade

Vryburg – Dr. Jurie Kritzing

### **Free State (20)**

Bethlehem – Drs. Strydom and Strydom

Bothaville – Dr. Johan Blaauw

Bultfontein – Dr. Santjie Pieterse

Clocolan – Dr. Wasserman

Dewetsdorp – Dr. Marike Badenhorst

Ficksburg – Dr. 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

Reitz - Dr. Murray Smith

Viljoenskroon - Dr. Johan Kahts

Villiers – Drs. Hattingh en Hauptfleisch

Vrede – Drs. Myburgh and Bester-Cloete

Wesselsbron – Dr. Johan Jacobs

Zastron – Dr. Phillip Brand

### **KwaZulu-Natal (18)**

Bergville - Dr. Ariana 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

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 Dommert  
Vryheid – Drs. Theron and Theron

### **Eastern Cape (12)**

Alexandria - Drs. Olivier and Dreyer  
Alexandria – Dr. Thys Potgieter  
Aliwal North – Drs. Troskie and Strauss  
Cradock – Dr. Frans Erasmus  
Graaff- Reinet - Dr. Roland Larson  
Graaff –Reinet – Drs. Hobson, Strydom and Hennessey  
Humansdorp - Drs. Van Niekerk, Jansen Van Vuuren, Barker and Kotze  
Middelburg, Steynsburg, Barkly East – Drs. Van Rooyen and Viljoen  
Port Alfred – Dr. Leon de Bruyn  
Queenstown – Drs. Du Preez, Godley, Klopper, Jansen van Vuuren, De Klerk en Catherine  
Stutterheim - Dr. Dave Waterman  
Uitenhage – Drs. Mulder and Krüger

### **Western Cape (14)**

Beaufort West - Drs. Pienaar and Grobler  
Caledon – Drs. Retief and Rissik  
Darling – Drs. V.d. 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  
Plettenberg Bay – Dr. André Reitz  
Stellenbosch – Dr. Alfred Kidd  
Swellendam – Dr. Jacques Malan  
Vredenburg - Dr. Izak Rust  
Wellington – Dr. William van Zyl

### **Northern Cape (6)**

Calvinia – Dr. Bertus Nel  
De Aar – Dr. Donald Anderson  
Kathu – Dr. Jan Vorster

Kimberley – Drs. Van Heerden and Swart  
Kuruman – Dr. Gerhard van der Wesrhuizen  
Upington – Drs. Vorster and Visser

**Feedlots (2)**  
Drs. Morris and Du Preez  
Dr. Andy Hentzen

**Laboratory reports (5)**  
Dr. Marijke Henton - Idexx SA Johannesburg  
Dr. Liza du Plessis – Idexx SA Onderstepoort  
Dr. Annelize Jonker – Provincial Vet Lab, Stellenbosch  
Dr. Rick Last – Vetdiagnostix, Pietermaritzburg  
Dr. Lucy Lange – Pathcare Vetlab, Cape Town

[illegible]

<b>Tapeworms</b>	x		x	x	x	x		x	
<b>Liver fluke</b>	x	x	x		x	x		x	
<b>Conical fluke</b>	x				x	x	x	x	
<b>Cysticercosis (measles)</b>	x	x			x	x			
<b>Schistosomiasis (bilharzia)</b>	x								
<b>Coccidiosis</b>	x	x			x	x	x	x	x

Although there is a perception that parasite infestation is not a problem in the winter months, always be aware of clinical signs such as anaemia, bottle jaw, weight loss and diarrhoea that are signs of parasitism. Faecal egg counts can be done to assess whether there are problems.

Water sources are the habitat of snails, the intermediate hosts of liver and conical fluke worms and bilharzia. Beware of infestation when animals are moved into areas where snails are present. Regularly update control programmes with the help of your veterinarian.

Visit the following website for the classification and action of the various anthelmintics

<http://landbou.com/kundiges/vra-vir-faffa/klassifikasie-en-werking-van-verkillende-wurmmiddels/>

## External parasites

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

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

In some areas tick infestations are still exceptionally high. Remember that immature stages of the multi-host ticks are present on animals in the winter. Check the inner ear and spot treat if they are present.

Visit the following website for information on the various chemical groups that are available for the control of external parasites and update your control programme:

<http://landbou.com/kundiges/vra-vir-faffa/chemiese-beheer-van-bosluise/>

## Tick borne diseases

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

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

Vaccines are available to protect animals against these diseases. Visit the following website for more information on these vaccines and how to use them:

<http://landbou.com/kundiges/vra-vir-faffa/entstowwe-teen-bosluisoorgedraagde-siektes-in-beeste/>

## Insect transmittable diseases

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

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

As the insect population is declining in winter, the incidence of these diseases also declines except for lumpy skin disease which is also transmitted by ticks. Vaccines are available to immunize animals against these diseases. As vaccine against blue tongue becomes available, especially vaccinate sheep that have not been vaccinated before.

## Venerial diseases

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

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

These diseases cause huge economic losses to farmers. Discuss tests and biosecurity measures with your veterinarian.

## Bacterial diseases

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

<b>Bacterial diseases</b>	<b>MP</b>	<b>G</b>	<b>L</b>	<b>NW</b>	<b>FS</b>	<b>KZN</b>	<b>EC</b>	<b>WC</b>	<b>NC</b>
<b>Blackquarter</b>	x			X	x	x	x	x	x
<b>Botulism</b>								x	x
<b>Pulpy kidney</b>				X	x	x	x	x	x
<b>Lamb dysentery</b>					x				
<b>Swelled head</b>	x	x	x						
<b>Red gut (cattle)</b>					x	x			
<b>Blood gut (sheep)</b>	x				x	x		x	
<b>Tetanus</b>					x	x			
<b>Salmonellosis</b>	x				x	x			x
<b>Bovine brucellosis</b>	x		x	X	x		x		
<b>Ovine brucellosis</b>									x
<b>Johne's</b>					x	x	x	x	
<b><i>Pseudomonas</i></b>						x			
<b>Septicaemia</b>					x		x	x	
<b><i>E. coli</i></b>	x	x		X	x	x	x		
<b>Enzootic abortion</b>		x			x				
<b>Lumpy wool</b>							x		
<b>Intrauterine gangrene</b>	x								

Vaccines exist for many of these diseases. Many farmers feed their animals chicken litter, hopefully animals have been vaccinated against botulism and a booster given as well!

According to law all heifers have to be vaccinated with Strain 19 brucellosis vaccine between 4 to 8 months of age. Has this been done?

**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:

<b>Viral diseases</b>	<b>MP</b>	<b>G</b>	<b>L</b>	<b>NW</b>	<b>FS</b>	<b>KZN</b>	<b>EC</b>	<b>WC</b>	<b>NC</b>
<b>BMC (snotsiekte)</b>			x	X	x	x	x		
<b>Rabies</b>						x			
<b>BVD</b>					x	x		x	
<b>IBR</b>		x			x		x		
<b>PI3</b>		x		X		x	x		
<b>Enzootic bovine leucosis (EBL)</b>		x		X		x	x		
<b>Jaagsiekte</b>				X		x	x		
<b>Orf</b>	x		x	X	x	x	x	x	
<b>Warts</b>	x		x	X	x	x	x	x	
<b>Sheep leucosis</b>							x		

The incidence of snotsiekte is increasing due to game farming. As there is no vaccine against this disease at present, 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. See the information below supplied by Dr. Francois van Niekerk from Humansdorp.

### BOVINE LEUKAEMIA VIRUS / ENZOOTIC BOVINE LEUKOSIS [EBL]

Some information and statistics from the USA [Hoards Dairyman] :

Surveys in the USA show that 87% of herds are infected with EBL and that 33% of cows in those herds are carrying the virus.

For every 10 percent increase in EBL prevalence, a herd experiences a drop in milk of 100 litres per cow per year. If a herd has a 40 percent infection rate, that is equivalent to 400 litres of milk lost per cow per year, thus in South African terms in a 1000 cow herd receiving R4.50/litre, the loss is R1.8m per annum!

A study at Michigan State University found that milk losses were more apparent in older cows [which is logical as the virus has a greater effect on immunity and the cancerous lesions get bigger with age]. Besides milk production, EBL can affect cow longevity, cause genetic losses [from early culling], lower immune response and, in general, negatively impact cow health.

While EBL can be difficult to eliminate from a herd, the following practices can help reduce the risk:

- Single-use palpation sleeves [plastic gloves] or at least new sleeves after palpating known EBL positive cows
- Single use of needles
- Heat- or freeze-treated colostrum or milk fed to calves
- Good fly control
- Avoiding natural breeding with infected bulls
- Testing purchased animals prior to introduction to the herd

## Toxicities

The following toxicities were reported by practices in the provinces:

Toxicities	MP	G	L	NW	FS	KZN	EC	WC	NC
Cardiac glycoside					x				
<i>Cestrum</i> (ink berry)		x			x				
<i>Cynanchum</i> (bobbejaantou)				x					
Facial eczema					x				
<i>Lantana</i>						x	x		
Nitrate					x				
Prussic acid					x	x	x		
<i>Senecio</i>						x			
Tulip					x	x	x		
Vermeersiekte				x					
Mycotoxiosis								x	
Diplodiosis					x				



Kraalbos								x	
Crotolaria									x
Water contamination	x				x	x	x		
Urea					x	x			
Snake bite					x				
Blue green algae						x			
Copper							x	x	
Selenium								x	

## Nutritional deficiencies

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

Deficiencies	MP	G	L	NW	FS	KZN	EC	WC	NC
Energy	x	x		x	x	x		x	x
Protein	x	x		x	x	x	x	x	x
Phosphate				x	x				
Calcium					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								
Zinc							x		
Selenium	x	x		x	x	x			
Magnesium					x			x	
Vitamin A	x			x	x	x			
Vitamin B		x							

## 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	
Stillbirths					x	x		x	
Abscesses	x	x		x	x	x	x		
Bladder stones					x			x	
Blindness					x	x			
Bloat					x				
Blood gut					x				
Blue udder				x	x		x	x	

Diarrhoea	x	x		x	x	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
Mastitis	x				x	x		x	
Navel ill						x	x		
Red gut					x				
Trauma		x							
Downer					x	x		x	

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

## Metabolic diseases

The following diseases were reported by practices in the provinces:

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

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

## Reproductive diseases

Reproductive diseases	MP	G	L	NW	FS	KZN	EC	WC	NC
Dystocia (difficult calving)	x	x	x	x	x	x	x	x	x
Endometritis					x				
Metritis	x	x	x		x	x		x	
Poor conception	x			x	x	x	x		
Retained afterbirth	x	x			x	x	x	x	
Sheath prolapse					x				
Uterus prolapse	x	x		x	x	x		x	
Vaginal prolapse	x	x			x	x			

## Environmental conditions

	MP	G	L	NW	FS	KZN	EC	WC	NC
Exposure to cold					x				x

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.

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.

## DISEASE DISTRIBUTION REPORT AS REPORTED BY VETERINARIANS

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<a href="#"><u>Tick-borne Diseases</u></a>	<a href="#"><u>African red water</u></a> , <a href="#"><u>Asiatic red water</u></a> , <a href="#"><u>Anaplasmosis</u></a> , <a href="#"><u>Heartwater</u></a>
<a href="#"><u>Insect Transmittable Diseases</u></a>	<a href="#"><u>Lumpy skin disease</u></a> , <a href="#"><u>Three-day-stiffsickness</u></a> , <a href="#"><u>Blue tongue</u></a>
<a href="#"><u>Venereal Diseases</u></a>	<a href="#"><u>Trichomonosis</u></a> , <a href="#"><u>Vibriosis</u></a> , <a href="#"><u>Pizzle disease</u></a>
<a href="#"><u>Bacterial Disease (other)</u></a>	<a href="#"><u>Blackquarter</u></a> , <a href="#"><u>Botulism</u></a> , <a href="#"><u>Pulpy Kidney</u></a> , <a href="#"><u>Lamb dysentery</u></a> , <a href="#"><u>Swelled head disease</u></a> , <a href="#"><u>Redgut (cattle)</u></a> , <a href="#"><u>Blood gut (Sheep)</u></a> , <a href="#"><u>Tetanus</u></a> , <a href="#"><u>Salmonellosis</u></a> , <a href="#"><u>Brucella abortus</u></a> , <a href="#"><u>Brucella ovis</u></a> , <a href="#"><u>Johne`s disease</u></a> , <a href="#"><u>Pseudomonas</u></a> , <a href="#"><u>Septicaemia</u></a> , <a href="#"><u>E. coli</u></a> , <a href="#"><u>Enzootic Abortion</u></a> , <a href="#"><u>Dermatophilosis (Lumpy Wool)</u></a> , <a href="#"><u>Intrauterine Gangrene</u></a> , <a href="#"><u>Other</u></a>
<a href="#"><u>Protozoal diseases (other)</u></a>	<a href="#"><u>Coccidiosis</u></a>
<a href="#"><u>Fungal diseases</u></a>	<a href="#"><u>Ringworm</u></a>
<a href="#"><u>Viral Diseases (other)</u></a>	<a href="#"><u>BMC</u></a> , <a href="#"><u>Rabies</u></a> , <a href="#"><u>BVD (Bovine viral diarrhoea)</u></a> , <a href="#"><u>IBR (Infectious bovine rhinotracheitis)</u></a> , <a href="#"><u>PI3</u></a> , <a href="#"><u>Enzootic Bovine Leucosis (EBL)</u></a> , <a href="#"><u>Jaagsiekte</u></a> , <a href="#"><u>Orf</u></a> , <a href="#"><u>Warts</u></a> , <a href="#"><u>Sheep leucosis</u></a>
<a href="#"><u>Poisonings (Plant) and Fungal</u></a>	<a href="#"><u>Cardiac glycoside poisoning</u></a> , <a href="#"><u>Cestrum</u></a> , <a href="#"><u>Cynanchum poisoning</u></a> , <a href="#"><u>Facial eczema</u></a> , <a href="#"><u>Lantana</u></a> , <a href="#"><u>Nitrate poisoning</u></a> , <a href="#"><u>Prussic acid poisoning</u></a> , <a href="#"><u>Seneciosis</u></a> ,

	<a href="#"><u>Tulip Poisoning</u></a> , <a href="#"><u>Vermeersiekte ( <i>Gaigeria spp.</i>)</u></a> , <a href="#"><u>Mycotoxycosis</u></a> , <a href="#"><u>Diplodiosis</u></a> , <a href="#"><u>Other</u></a>
<b><u>Poisonings</u></b>	<a href="#"><u>Water contamination</u></a> , <a href="#"><u>Urea Poisoning</u></a> , <a href="#"><u>Snake Bite</u></a> , <a href="#"><u>Blue-green algae</u></a> , <a href="#"><u>Copper Poisoning</u></a> , <a href="#"><u>Other</u></a>
<b><u>Macro Nutritional Problems</u></b>	<a href="#"><u>Energy deficiency</u></a> , <a href="#"><u>Protein deficiency</u></a> , <a href="#"><u>Phosphate deficiency</u></a> , <a href="#"><u>Calcium deficiency</u></a>
<b><u>Micro Nutritional Problems</u></b>	<a href="#"><u>Iodine deficiency</u></a> , <a href="#"><u>Copper deficiency</u></a> , <a href="#"><u>Zinc deficiency</u></a> , <a href="#"><u>Selenium deficiency</u></a> , <a href="#"><u>Magnesium deficiency</u></a> , <a href="#"><u>Vitamin A deficiency</u></a> , <a href="#"><u>Vitamin B deficiency</u></a>
<b><u>Multi-factorial Disease Conditions</u></b>	<a href="#"><u>Abortions</u></a> , <a href="#"><u>Stillbirths</u></a> , <a href="#"><u>Abscesses</u></a> , <a href="#"><u>Abscesses in general</u></a> , <a href="#"><u>Bladder stones</u></a> , <a href="#"><u>Blindness</u></a> , <a href="#"><u>Bloat</u></a> , <a href="#"><u>Blood gut (sheep and goat)</u></a> , <a href="#"><u>Blue udder</u></a> , <a href="#"><u>Diarrhoea</u></a> , <a href="#"><u>Eye Cancer</u></a> , <a href="#"><u>Eye infections</u></a> , <a href="#"><u>Joint Ill</u></a> , <a href="#"><u>Lameness/Foot Problems</u></a> , <a href="#"><u>Lung infection</u></a> , <a href="#"><u>Mastitis in general</u></a> , <a href="#"><u>Navel Ill</u></a> , <a href="#"><u>Redgut (Sheep)</u></a> , <a href="#"><u>Trauma</u></a> , <a href="#"><u>Downer</u></a>
<b><u>Metabolic Diseases</u></b>	<a href="#"><u>Acidosis</u></a> , <a href="#"><u>Displaced abomasum</u></a> , <a href="#"><u>Ketosis</u></a> , <a href="#"><u>Milk Fever</u></a>
<b><u>Reproductive diseases</u></b>	<a href="#"><u>Dystocia (Difficult Births)</u></a> , <a href="#"><u>Endometritis</u></a> , <a href="#"><u>Metritis</u></a> , <a href="#"><u>Poor conception</u></a> , <a href="#"><u>Retained afterbirth</u></a> , <a href="#"><u>Sheath Prolaps</u></a> , <a href="#"><u>Uterus prolaps</u></a> , <a href="#"><u>Vaginal (Cervical) prolaps</u></a>
<b><u>Climatical Cause</u></b>	<a href="#"><u>Cold exposure</u></a> , <a href="#"><u>Frozen to death</u></a>
<b><u>Residues</u></b>	<a href="#"><u>Drug residues</u></a>
<b><u>Non specific diseases</u></b>	<a href="#"><u>Cause of death not established</u></a> , <a href="#"><u>Preditors</u></a> , <a href="#"><u>Sabotation - Theft</u></a> , <a href="#"><u>Trauma</u></a>

## Roundworms in general

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	3.0 (1)	3.0 (1)	2.0 (2)	2.0 (3)	1.9 (11)	1.4 (9)	1.6 (5)	1.9 (7)	

<b>Beef</b>				2.0 (1)	1.7 (3)	1.5 (2)		1.5 (2)
<b>Sheep</b>	3.0 (1)	3.0 (1)	2.0 (1)	2.0 (2)	2.0 (8)	1.3 (3)	1.8 (4)	2.0 (4)
<b>Goat</b>			2.0 (1)			1.5 (4)	1.0 (1)	2.0 (1)

Sheep: 2, Goat: 2
<b>North West</b>
<b>Christiana, Christiana Dierehospitaal</b>
Sheep: 2
<b>Klerksdorp, Klerksdorp Dierehospitaal</b>
Beef: 2, Sheep: 2
<b>Free State</b>
<b>Bethlehem, Bethlehem Animal Hospital</b>
Beef: 1
<b>Clocolan, Clocolan Direkliniek</b>
Sheep: 2
<b>Frankfort, Frankfort Direkliniek</b>
Sheep: 2
<b>Harrismith, Harrismith Dierehospitaal</b>
Sheep: 3
<b>Hoopstad, Hoopstad Direkliniek</b>
Sheep: 2
<b>Kroonstad, Kroonstad Dierehospitaal</b>
Sheep: 2
<b>Ladybrand, Ladybrand / Excelsior Direkliniek</b>
Beef: 2
<b>Memel, Memel Veterinary Clinic</b>
Sheep: 2
<b>Viljoenskroon, Viljoenskroon Direkliniek</b>
Sheep: 2
<b>Villiers, Wilgepoort Direkliniek Vennootskap</b>
Sheep: 1
<b>Vrede, Vrede Dierehospitaal</b>
Beef: 2
<b>Kwazulu-Natal</b>
<b>Bergville, Tugela Vet Clinic</b>
Beef: 1, Sheep: 1, Goat: 1
<b>Estcourt, Estcourt Vet Clinic</b>
Goat: 2
<b>Mooi River, Mooirivier Vet Clinic</b>
Sheep: 1, Goat: 1
<b>Mtubatuba, Mtubatuba Animal Clinic</b>
Beef: 2, Goat: 2
<b>Pietermaritzburg, Richmond Veterinay Clinic</b>
Sheep: 2
<b>Eastern Cape</b>
<b>Graaff-Reinet, Camdeboo Veterinary Clinic</b>
Sheep: 1, Goat: 1
<b>Humansdorp, Humansdorp Veterinary Clinic</b>
Sheep: 2
<b>Middelburg (EC), Steynsburg Dierehospitaal</b>
Sheep: 2
<b>Queenstown, Queenstown Veterinary clinic</b>
Sheep: 2
<b>Western Cape</b>
<b>Beaufort West, Beaufort West State Vet</b>
Sheep: 2
<b>Caledon, Overberg Veterinary Hospital</b>
Sheep: 2

George, George Animal Hospital									
Beef: 2, Sheep: 2, Goat: 2									
Stellenbosch, Stellenbosch Animal Hospital									
Sheep: 2									
Swellendam, Swellendam Dierehospitaal									
Beef: 1									
Resistant Round Worms									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average		2.0 (1)			2.0 (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									
Sheep		2.0 (1)			2.0 (3)			1.0 (1)	
Goat							1.0 (1)		
Gauteng									
Pretoria, Anima Veterinary Consulting Rooms									
Sheep: 2									
Free State									
Clocolan, Clocolan Dierekliniek									
Sheep: 2									
Hoopstad, Hoopstad Dierekliniek									
Sheep: 3									
Villiers, Wilgepoort Dierekliniek Vennootskap									
Sheep: 1									
Eastern Cape									
Graaff-Reinet, Camdeboo Veterinary Clinic									
Goat: 1									
Western Cape									
George, George Animal Hospital									
Sheep: 1									
Wireworm									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (2)				1.7 (6)	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 (6)	2.0 (1)			
Goat	2.0 (1)					1.5 (2)			
Mpumalanga									
Grootvlei, Grootvlei Dierekliniek									
Sheep: 2									
Nelspruit, Nelspruit Animal Hospital									
Goat: 2									
Free State									
Clocolan, Clocolan Dierekliniek									
Sheep: 2									




Ficksburg, Oos Vrystaat Diere Produkte									
Sheep: 1									
Frankfort, Frankfort Dierekliniek									
Sheep: 2									
Hoopstad, Hoopstad Dierekliniek									
Sheep: 2									
Reitz, Riemland Dierekliniek									
Sheep: 2									
Villiers, Wilgepoort Dierekliniek Vennootskap									
Sheep: 1									
Kwazulu-Natal									
Estcourt, Estcourt Vet Clinic									
Goat: 2									
Kokstad, E.G.Veterinary Services									
Sheep: 2									
Mooi River, Mooirivier Vet Clinic									
Goat: 1									
Brown stomach-worm									<a href="#">^</a>
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									
Goat							3.0 (1)		
Eastern Cape									
Graaff-Reinet, Camdeboo Veterinary Clinic									
Goat: 3									
Swelsiekte									
Nodular worm									<a href="#">^</a>
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average							2.0 (1)		
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Sheep							2.0 (1)		
Eastern Cape									
Middelburg (EC), Steynsburg Dierehospitaal									
Sheep: 2									
Tape Worms									<a href="#">^</a>
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (1)		1.0 (1)	1.0 (1)	1.6 (11)	1.0 (1)		2.5 (2)	

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

<b>Beef</b>		1.0 (1)	1.0 (1)	1.3 (3)					
<b>Sheep</b>	2.0 (1)			1.8 (8)	1.0 (1)			2.0 (1)	
<b>Goat</b>								3.0 (1)	

<b>Mpumalanga</b>									
<b>Standerton, Econovet</b>									
Sheep: 2									
<b>Limpopo</b>									
<b>Mokopane, Dr Henk Visser</b>									
Beef: 1									
<b>North West</b>									
<b>Klerksdorp, Klerksdorp Dierehospitaal</b>									
Beef: 1									
<b>Free State</b>									
<b>Bethlehem, Bethlehem Animal Hospital</b>									
Sheep: 1									
<b>Bultfontein, Greylingrust Dieresprekkamer</b>									
Beef: 1									
<b>Clocolan, Clocolan Direkliniek</b>									
Sheep: 2									
<b>Frankfort, Frankfort Direkliniek</b>									
Sheep: 2									
<b>Harrismith, Harrismith Dierehospitaal</b>									
Beef: 1, Sheep: 1									
<b>Hoopstad, Hoopstad Direkliniek</b>									
Sheep: 3									
<b>Memel, Memel Veterinary Clinic</b>									
Beef: 2									
<b>Reitz, Riemland Direkliniek</b>									
Sheep: 2									
<b>Viljoenskroon, Viljoenskroon Direkliniek</b>									
Sheep: 2									
<b>Villiers, Wilgepoort Direkliniek Vennootskap</b>									
Sheep: 1									
<b>Kwazulu-Natal</b>									
<b>Mooi River, Mooirivier Vet Clinic</b>									
Sheep: 1									
<b>Western Cape</b>									
<b>Beaufort West, Beaufort West State Vet</b>									
Sheep: 2									
<b>George, George Animal Hospital</b>									
Goat: 3									

Liver fluke									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>	2.5 (2)	1.0 (1)	1.0 (1)		1.9 (10)	1.4 (5)		1.0 (2)	

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

reported									
Beef	2.5 (2)	1.0 (1)	1.0 (1)		2.1 (7)	1.0 (2)		1.0 (2)	
Dairy						1.5 (2)			
Sheep					1.3 (3)	2.0 (1)			
<b>Mpumalanga</b>									
<b>Bethal, Bethal Dierekliniek</b>									
Beef: 2									
<b>Standerton, Econovet</b>									
Beef: 3									
<b>Gauteng</b>									
<b>Bronkhorstspuit, Kerkstraat Dierekliniek</b>									
Beef: 1									
<b>Limpopo</b>									
<b>Mokopane, Dr Henk Visser</b>									
Beef: 1									
<b>Free State</b>									
<b>Frankfort, Frankfort Dierekliniek</b>									
Beef: 3									
<b>Harrismith, Harrismith Dierehospitaal</b>									
Beef: 2									
<b>Ladybrand, Ladybrand / Excelsior Dierekliniek</b>									
Beef: 2									
<b>Memel, Memel Veterinary Clinic</b>									
Beef: 3									
<b>Reitz, Riemland Dierekliniek</b>									
Beef: 2, Sheep: 1									
<b>Villiers, Wilgepoort Dierekliniek Vennootskap</b>									
Beef: 2, Sheep: 2									
<b>Vrede, Vrede Dierehospitaal</b>									
Beef: 1, Sheep: 1									
<b>Kwazulu-Natal</b>									
<b>Estcourt, Estcourt Vet Clinic</b>									
Dairy: 2									
<b>Kokstad, E.G.Veterinary Services</b>									
Beef: 1, Dairy: 1, Sheep: 2									
<b>Mooi River, Mooirivier Vet Clinic</b>									
Beef: 1									
<b>Western Cape</b>									
<b>Oudtshoorn, Ostrimed</b>									
Beef: 1									
<b>Stellenbosch, Stellenbosch Animal Hospital</b>									
Beef: 1									
<b>Conical Flukes</b>									<a href="#">^</a>
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (2)				1.8 (4)	2.0 (3)	1.3 (3)	2.0 (2)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef	2.0 (2)				2.0 (3)	2.0 (3)	1.0 (2)	3.0 (1)	

Dairy	1.0 (1)					1.0 (1)			
Sheep						2.0 (1)			
Mpumalanga									
Balfour, Balfour Dierekliniek									
Beef: 1									
Standerton, Econovet									
Beef: 3									
Free State									
Frankfort, Frankfort Dierekliniek									
Beef: 3									
Harrismith, Harrismith Dierehospitaal									
Beef: 1									
Villiers, Wilgepoort Dierekliniek Vennootskap									
Beef: 2									
Vrede, Vrede Dierehospitaal									
Dairy: 1									
Kwazulu-Natal									
Kokstad, E.G.Veterinary Services									
Beef: 2									
Pietermaritzburg, Richmond Veterinay Clinic									
Beef: 2									
Underberg, Underberg Veterinary Surgery									
Beef: 2									
Eastern Cape									
Graaff-Reinet, Graaff Reinet Veterinary Clinic									
Beef: 1									
Middelburg (EC), Steynsburg Dierehospitaal									
Beef: 1									
Stutterheim, Stutterheim Veterinary Clinic									
Sheep: 2									
Western Cape									
Darling, Darling Dierekliniek									
Dairy: 1									
Malmesbury, Dr Otto Kriek									
Beef: 3									
Cysticercosis									^
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 (1)	3.0 (1)			
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef	2.0 (2)	1.5 (2)			1.0 (1)	3.0 (1)			
Mpumalanga									
Middelburg , Middelburg Dierehospitaal									
Beef: 1									
Nelspruit, Nelspruit Animal Hospital									
Beef: 3									
Abattoir inspections									
Gauteng									
Bapsfontein, Bapsfontein Dierehospitaal									

Beef: 2
<b>Bronkhorstspuit, Kerkstraat Dierekliniek</b>
Beef: 1
<b>Free State</b>
<b>Bultfontein, Greylingrust Dieresprekkamer</b>
Beef: 1
<b>Kwazulu-Natal</b>
<b>Pietermaritzburg, Richmond Veterinay Clinic</b>
Beef: 3

Other									<a href="#">^</a>
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PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>	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

<b>Beef</b>	1.0 (1)								
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<b>Mpumalanga</b>
<b>Nelspruit, Nelspruit Animal Hospital</b>
Beef: 1
Shistosomiasis (bilharzia) in Beef cattle: bloody diarrhoea.

## External Parasites

Blue ticks									<a href="#">^</a>
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PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>	2.0 (6)	1.0 (1)	2.0 (2)	3.0 (1)	2.4 (11)	2.1 (10)	2.0 (4)	2.0 (4)	

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

<b>Beef</b>	2.0 (5)	1.0 (1)	2.0 (2)	3.0 (1)	2.3 (9)	2.0 (9)	2.0 (4)	2.0 (2)	
<b>Dairy</b>	2.0 (1)				2.0 (1)	3.0 (1)		2.0 (1)	
<b>Sheep</b>					3.0 (1)			2.0 (1)	

<b>Mpumalanga</b>
<b>Balfour, Balfour Dierekliniek</b>
Beef: 2
<b>Lydenburg, Lydenburg Dieresprekkamer</b>
Beef: 1
<b>Middelburg , Middelburg Dierehospitaal</b>
Beef: 2
<b>Nelspruit, Nelspruit Animal Hospital</b>
Beef: 3, Dairy: 2
<b>Standerton, Econovet</b>
Beef: 2
<b>Gauteng</b>
<b>Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic</b>
Beef: 1

<b>Limpopo</b>
<b>Bela-Bela, Warmbad Dierekliniek</b>
Beef: 2
<b>Mokopane, Dr Henk Visser</b>
Beef: 2
<b>North West</b>
<b>Leeudoringstad, Leeudoringstad Dierekliniek</b>
Beef: 3
<b>Free State</b>
<b>Bethlehem, Bethlehem Animal Hospital</b>
Beef: 1
<b>Frankfort, Frankfort Dierekliniek</b>
Beef: 3
<b>Harrismith, Harrismith Dierehospitaal</b>
Beef: 3
<b>Hoopstad, Hoopstad Dierekliniek</b>
Beef: 3, Sheep: 3
<b>Kroonstad, Kroonstad Dierehospitaal</b>
Beef: 2
<b>Memel, Memel Veterinary Clinic</b>
Beef: 2
<b>Viljoenskroon, Viljoenskroon Dierekliniek</b>
Beef: 2
<b>Villiers, Wilgepoort Dierekliniek Vennootskap</b>
Beef: 3
<b>Vrede, Vrede Dierehospitaal</b>
Beef: 2, Dairy: 2
<b>Kwazulu-Natal</b>
<b>Bergville, Bergville Veterinary Clinic</b>
Beef: 2
<b>Bergville, Tugela Vet Clinic</b>
Beef: 1
<b>Kokstad, E.G.Veterinary Services</b>
Beef: 2
<b>Mooi River, Mooirivier Vet Clinic</b>
Beef: 3, Dairy: 3
<b>Mtubatuba, Mtubatuba Animal Clinic</b>
Beef: 2
<b>Newcastle, Ncanduvet Newcastle</b>
Beef: 3
<b>Pietermaritzburg, Richmond Veterinay Clinic</b>
Beef: 3
Perennial problem
<b>Pongola, Pongola Animal Clinic</b>
Beef: 1
<b>Underberg, Underberg Veterinary Surgery</b>
Beef: 1
<b>Eastern Cape</b>
<b>Alexandria, Dr Thys (MJ) Potgieter</b>
Beef: 3
<b>Aliwal North, Uitspan C Troskie</b>
Beef: 2
<b>Graaff-Reinet, Graaff Reinet Veterinary Clinic</b>
Beef: 2

Queenstown, Queenstown Veterinary clinic									
Beef: 1									
Western Cape									
Caledon, Overberg Veterinary Hospital									
Beef: 2, Dairy: 2, Sheep: 2									
George, George Animal Hospital									
Beef: 2									
Resistant blue Ticks									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average					3.0 (1)	2.5 (2)			
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef					3.0 (1)	2.5 (2)			
Free State									
Villiers, Wilgepoort Dierekliniek Vennootskap									
Beef: 3									
Kwazulu-Natal									
Bergville, Bergville Veterinary Clinic									
Beef: 2									
Pietermaritzburg, Richmond Veterinay Clinic									
Beef: 3									
Heartwater (Bont) ticks									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.5 (2)	2.0 (1)	1.2 (5)			1.5 (6)	3.0 (1)		
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef	1.5 (2)		1.5 (2)			1.7 (3)	3.0 (1)		
Sheep		2.0 (1)	1.0 (2)			1.0 (1)			
Goat			1.0 (1)			1.5 (2)			
Mpumalanga									
Lydenburg, Lydenburg Dieresprekkamer									
Beef: 1									
Nelspruit, Nelspruit Animal Hospital									
Beef: 2									
Gauteng									
Pretoria, Anima Veterinary Consulting Rooms									
Sheep: 2									
Limpopo									
Bela-Bela, Warmbad Dierekliniek									
Beef: 2									
Ellisras, Ellisras Dierekliniek									
Sheep: 1									
Mokopane, Dr Henk Visser									
Beef: 1, Sheep: 1, Goat: 1									

Kwazulu-Natal									
Bergville, Bergville Veterinary Clinic									
Beef: 2									
Mtubatuba, Mtubatuba Animal Clinic									
Beef: 2, Goat: 2									
Pongola, Pongola Animal Clinic									
Beef: 1, Sheep: 1, Goat: 1									
Eastern Cape									
Alexandria, Dr Thys (MJ) Potgieter									
Beef: 3									
Brown ear-ticks									<a href="#">↗</a>
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)	2.0 (1)	1.0 (1)		1.5 (2)	1.5 (2)			
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef	1.0 (1)	2.0 (1)	1.0 (1)		1.5 (2)	1.5 (2)			
Mpumalanga									
Balfour, Balfour Dierekliniek									
Beef: 1									
Gauteng									
Pretoria, Anima Veterinary Consulting Rooms									
Beef: 2									
Limpopo									
Mokopane, Dr Henk Visser									
Beef: 1									
Free State									
Bothaville, Cape Cross Bothaville Veterinary Hospital									
Beef: 2									
Memel, Memel Veterinary Clinic									
Beef: 1									
Kwazulu-Natal									
Mtubatuba, Mtubatuba Animal Clinic									
Beef: 2									
Pongola, Pongola Animal Clinic									
Beef: 1									
Bont-legged ticks									<a href="#">↗</a>
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 (4)	2.4 (5)	2.0 (2)	3.0 (3)		
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef	1.0 (1)		2.0 (1)	2.0 (3)	2.3 (4)	2.0 (2)	3.0 (1)		
Sheep				2.0 (1)	3.0 (1)		3.0 (1)		
Goat							3.0 (1)		
Mpumalanga									



Balfour, Balfour Dierekliniek									
Beef: 1									
Limpopo									
Bela-Bela, Warmbad Dierekliniek									
Beef: 2									
North West									
Christiana, Christiana Dierehospitaal									
Beef: 1									
Klerksdorp, Klerksdorp Dierehospitaal									
Beef: 2, Sheep: 2									
Schweizer-Reneke, NJ Heyns									
Beef: 3									
Free State									
Bultfontein, Greylingrust Dieresprekkamer									
Beef: 2									
Hoopstad, Hoopstad Dierekliniek									
Beef: 3, Sheep: 3									
Kroonstad, Kroonstad Dierehospitaal									
Beef: 2									
Vrede, Vrede Dierehospitaal									
Beef: 2									
Kwazulu-Natal									
Newcastle, Ncanduvet Newcastle									
Beef: 2									
Underberg, Underberg Veterinary Surgery									
Beef: 2									
Eastern Cape									
Middelburg (EC), Steynsburg Dierehospitaal									
Beef: 3, Sheep: 3, Goat: 3									
Red-legged ticks									▲
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)			3.0 (1)	2.3 (6)	3.0 (1)	1.0 (1)		
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef	1.0 (1)			3.0 (1)	2.3 (4)	3.0 (1)	1.0 (1)		
Sheep					2.5 (2)				
Mpumalanga									
Balfour, Balfour Dierekliniek									
Beef: 1									
North West									
Christiana, Christiana Dierehospitaal									
Beef: 3									
Free State									
Bultfontein, Greylingrust Dieresprekkamer									
Beef: 2									
Hoopstad, Hoopstad Dierekliniek									
Beef: 3, Sheep: 3									
Kroonstad, Kroonstad Dierehospitaal									
Beef: 2, Sheep: 2									

Memel, Memel Veterinary Clinic									
Beef: 2									
Kwazulu-Natal									
Pietermaritzburg, Richmond Veterinay Clinic									
Beef: 3									
Eastern Cape									
Queenstown, Queenstown Veterinary clinic									
Beef: 1									
Paralysis ticks									^
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							3.0 (1)		
Sheep					2.0 (1)		2.0 (1)		
Free State									
Zastron, Zastron Dierekliniek									
Sheep: 2									
Eastern Cape									
Aliwal North, Uitspan C Troskie									
Beef: 3									
Middelburg (EC), Steynsburg Dierehospitaal									
Sheep: 2									
Biting lice (red lice)									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average				2.0 (1)	2.0 (3)	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									
Beef				2.0 (1)	2.0 (3)	2.0 (1)	1.5 (2)		
Goat							2.0 (1)		
North West									
Christiana, Christiana Dierehospitaal									
Beef: 2									
Free State									
Bethlehem, Bethlehem Animal Hospital									
Beef: 1									
Harrismith, Harrismith Dierehospitaal									
Beef: 2									
Kroonstad, Kroonstad Dierehospitaal									
Beef: 3									
Kwazulu-Natal									
Kokstad, E.G.Veterinary Services									
Beef: 2									
Eastern Cape									

Aliwal North, Uitspan C Troskie									
Beef: 1									
Graaff-Reinet, Graaff Reinet Veterinary Clinic									
Beef: 2, Goat: 2									
Sucking lice (blue lice)									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (1)			3.0 (1)				1.0 (1)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef	2.0 (1)			3.0 (1)				1.0 (1)	
Mpumalanga									
Standerton, Econovet									
Beef: 2									
North West									
Leeudoringstad, Leeudoringstad Dierekliniek									
Beef: 3									
Western Cape									
Stellenbosch, Stellenbosch Animal Hospital									
Beef: 1									
Scab mites									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average					1.0 (2)	2.0 (1)	2.0 (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									
Sheep					1.0 (2)	2.0 (1)	2.0 (5)		1.0 (1)
Free State									
Frankfort, Frankfort Dierekliniek									
Sheep: 1									
Villiers, Wilgepoort Dierekliniek Vennootskap									
Sheep: 1									
Kwazulu-Natal									
Kokstad, E.G.Veterinary Services									
Sheep: 2									
Eastern Cape									
Graaff-Reinet, Camdeboo Veterinary Clinic									
Sheep: 1									
Graaff-Reinet, Graaff Reinet Veterinary Clinic									
Sheep: 3									
Due to speculators									
Middelburg (EC), Steynsburg Dierehospitaal									
Sheep: 1									
Somerset East, Bosberg Veterinary Clinic									
Sheep: 2									
Stutterheim, Stutterheim Veterinary Clinic									

Sheep: 3									
Northern Cape									
De Aar, De Aar Veterinary Clinic									
Sheep: 1									
Fleece disturbance - possible scab outbreak									
Mange Mites									^ _
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.5 (2)				2.7 (3)	1.0 (1)			
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef	1.5 (2)				2.7 (3)				
Sheep						1.0 (1)			
Mpumalanga									
Balfour, Balfour Dierekliniek									
Beef: 1									
Sarcoptes									
Bethal, Bethal Dierekliniek									
Beef: 2									
Free State									
Clocolan, Clocolan Dierekliniek									
Beef: 3									
Hoopstad, Hoopstad Dierekliniek									
Beef: 3									
Reitz, Riemland Dierekliniek									
Beef: 2									
Kwazulu-Natal									
Estcourt, Estcourt Vet Clinic									
Sheep: 1									
Nuisance Flies									^ _
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)			
Goat						2.0 (1)			
Kwazulu-Natal									
Mtubatuba, Mtubatuba Animal Clinic									
Beef: 2, Goat: 2									
Blowflies									^ _
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape

Average					1.5 (2)				
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef					1.0 (1)				
Sheep					2.0 (1)				
Free State									
Bethlehem, Bethlehem Animal Hospital									
Beef: 1									
Hoopstad, Hoopstad Dierekliniek									
Sheep: 2									
Screw-worm									^
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 (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 (1)	2.0 (2)		
Sheep							2.0 (1)		
Limpopo									
Mokopane, Dr Henk Visser									
Beef: 1									
Kwazulu-Natal									
Mtubatuba, Mtubatuba Animal Clinic									
Beef: 2									
Eastern Cape									
Port Alfred, Port Alfred Veterinary Clinic									
Beef: 2									
Somerset East, Bosberg Veterinary Clinic									
Beef: 2, Sheep: 2									
Nasal bot larvae									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average									2.0 (2)
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Sheep									2.0 (1)
Goat									2.0 (1)
Northern Cape									
Kathu, Kathu Dierekliniek									
Sheep: 2, Goat: 2									
Midges									^

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

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

<b>Beef</b>	1.0 (1)	3.0 (1)
<b>Sheep</b>	1.0 (1)	

## Mpumalanga

**Balfour, Balfour Dierkliniek**

Beef: 1, Sheep: 1

## North West

**Leeudoringstad, Leeudoringstad Dierekliniek**

Beef: 3

## 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 Dierhospitaal

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 (4)	2.0 (1)	1.0 (1)	1.0 (1)	2.3 (3)	1.9 (10)	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

<b>Beef</b>	2.0 (4)	2.0 (1)	1.0 (1)	1.0 (1)	2.3 (3)	1.9 (8)	2.0 (2)	1.5 (2)	
<b>Dairy</b>						2.0 (2)	1.0 (1)	2.0 (1)	

## Mpumalanga

**Ermelo, Môtregloed Veterinêre Spreekkamer**

Beef: 2

**Grootvlei, Grootvlei Dierekliniek**

Beef: 2

**Nelspruit, Nelspruit Animal Hospital**


Beef: 2

Endemic unstable situation: animals moved from one farm to another in the same area.

### Standerton, Econovet

Beef: 2

<b>Gauteng</b>									
<b>Bapsfontein, Bapsfontein Dierehospitaal</b>									
Beef: 2									
<b>Limpopo</b>									
<b>Mokopane, Dr Henk Visser</b>									
Beef: 1									
<b>North West</b>									
<b>Ventersdorp, Buffelsvlei Dierekliniek</b>									
Beef: 1									
<b>Free State</b>									
<b>Frankfort, Frankfort Dierekliniek</b>									
Beef: 2									
<b>Harrismith, Harrismith Dierehospitaal</b>									
Beef: 3									
<b>Kroonstad, Kroonstad Dierehospitaal</b>									
Beef: 2									
<b>Kwazulu-Natal</b>									
<b>Bergville, Bergville Veterinary Clinic</b>									
Beef: 2									
<b>Estcourt, Estcourt Vet Clinic</b>									
Beef: 2, Dairy: 2									
<b>Greytown, Greytown Veterinary Hospital</b>									
Beef: 2									
<b>Kokstad, E.G.Veterinary Services</b>									
Beef: 3									
<b>Mooi River, Mooirivier Vet Clinic</b>									
Beef: 2, Dairy: 2									
<b>Newcastle, Ncanduvet Newcastle</b>									
Beef: 1									
<b>Pietermaritzburg, Richmond Veterinay Clinic</b>									
Beef: 2									
Perennial problem									
<b>Underberg, Underberg Veterinary Surgery</b>									
Beef: 1									
<b>Eastern Cape</b>									
<b>Alexandria, Dr Thys (MJ) Potgieter</b>									
Beef: 3									
Two farms									
<b>Humansdorp, Humansdorp Veterinary Clinic</b>									
Beef: 1, Dairy: 1									
<b>Western Cape</b>									
<b>Caledon, Overberg Veterinary Hospital</b>									
Beef: 1, Dairy: 2									
<b>George, George Animal Hospital</b>									
Beef: 2									

Asiatic red water									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.6 (5)	1.0 (2)			1.5 (4)	1.6 (7)	1.5 (2)	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	1.6 (5)	1.0 (2)		1.5 (4)	1.5 (6)	2.0 (1)	1.0 (3)
Dairy					2.0 (1)	1.0 (1)	2.0 (1)
Mpumalanga							
Balfour, Balfour Dierekliniek							
Beef: 1							
Ermelo, Môregloed Veterinêre Spreekkamer							
Beef: 2							
Middelburg , Middelburg Dierehospitaal							
Beef: 1							
Piet Retief, Pets Vet Hospital							
Beef: 1							
Standerton, Econovet							
Beef: 3							
Gauteng							
Bronkhorstspuit, Kerkstraat Dierekliniek							
Beef: 1							
Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic							
Beef: 1							
Free State							
Frankfort, Frankfort Dierekliniek							
Beef: 2							
Harrismith, Harrismith Dierehospitaal							
Beef: 1							
Reitz, Riemland Dierekliniek							
Beef: 1							
Villiers, Wilgepoort Dierekliniek Vennootskap							
Beef: 2							
Kwazulu-Natal							
Bergville, Bergville Veterinary Clinic							
Beef: 1							
Bergville, Tugela Vet Clinic							
Beef: 2							
Dundee, Endumeni Herd health							
Beef: 2							
Estcourt, Estcourt Vet Clinic							
Dairy: 2							
Mooi River, Mooirivier Vet Clinic							
Beef: 2							
Mtubatuba, Mtubatuba Animal Clinic							
Beef: 1							
Underberg, Underberg Veterinary Surgery							
Beef: 1							
Eastern Cape							
Humansdorp, Humansdorp Veterinary Clinic							
Dairy: 1							
Port Alfred, Port Alfred Veterinary Clinic							
Beef: 2							
Western Cape							
Caledon, Overberg Veterinary Hospital							
Beef: 1, Dairy: 2							
Stellenbosch, Stellenbosch Animal Hospital							
Beef: 1							



**Swellendam, Swellendam Dierehospitaal**

Beef: 1

## Anaplasmosis

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.7 (3)	1.5 (2)	1.0 (1)	2.0 (3)	2.0 (14)	1.6 (5)	1.4 (5)	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	1.7 (3)	1.5 (2)	1.0 (1)	2.0 (3)	2.1 (10)	1.3 (4)	1.3 (4)	1.0 (1)	
Dairy					1.8 (4)	3.0 (1)	2.0 (1)	1.0 (1)	

**Mpumalanga**

**Balfour, Balfour Dierekliniek**

Beef: 1

### Bethal, Bethal Dierekliniek

Beef: 2

## Standerton, Econovet

Beef: 2

### Gauteng

**Nigel, Welgelegen Dierkliniek**

Beef: 2

## Pretoria, Anima Veterinary Consulting Rooms

Beef: 1

## Limpopo

**Mokopane, Dr Henk Visser**

Beef: 1

## North West

**Christiana, Christiana Dierehospitaal**

Beef: 3

**Klerksdorp, Klerksdorp Dierehospitaal**

Beef: 1

## Schweizer-Reneke, NJ Heyns

Beef: 2

### Free State

**Bultfontein, Greylingrust Dieresprekkamer**

Beef: 2, Dairy: 2

**Clocolan, Clocolan Dierekliniek**

Beef: 3

### Ficksburg, Oos Vrystaat Diere Produkte

Beef: 2

## Harrismith, Harrismith Dierehospitaal

Beef: 3

**Hoopstad, Hoopstad Dierekliniek**

Beef: 3

**Kroonstad, Kroonstad Dierehospitaal**

Beef: 2, Dairy: 2

**Memel, Memel Veterinary Clinic**

Beef: 1



## Reitz, Riemland Dierekliniek

Beef: 2, Dairy: 1									
Villiers, Wilgepoort Direklyniek Vennootskap									
Beef: 2									
Vrede, Vrede Direehospitaal									
Beef: 1, Dairy: 2									
Kwazulu-Natal									
Bergville, Tugela Vet Clinic									
Beef: 1									
Mtubatuba, Mtubatuba Animal Clinic									
Beef: 2									
Newcastle, Ncanduvet Newcastle									
Beef: 1									
Pongola, Pongola Animal Clinic									
Beef: 1									
Underberg, Underberg Veterinary Surgery									
Dairy: 3									
Dairy cattle must have been latently infected, periparturient stress									
Eastern Cape									
Alexandria, Dr Thys (MJ) Potgieter									
Beef: 2									
Two farms									
Graaff-Reinet, Graaff Reinet Veterinary Clinic									
Beef: 1									
Humansdorp, Humansdorp Veterinary Clinic									
Dairy: 2									
Middelburg (EC), Steynsburg Direehospitaal									
Beef: 1									
Queenstown, Queenstown Veterinary clinic									
Beef: 1									
Western Cape									
Darling, Darling Direklyniek									
Dairy: 1									
George, George Animal Hospital									
Beef: 1									
Heartwater									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (1)	2.0 (3)		1.0 (3)		1.6 (8)	2.0 (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 (1)			1.0 (2)		1.8 (4)	2.0 (3)		
Dairy							2.0 (1)		
Sheep		1.5 (2)				1.0 (1)	2.0 (3)		
Goat		3.0 (1)		1.0 (1)		1.7 (3)			
Mpumalanga									
Nelspruit, Nelspruit Animal Hospital									
Beef: 2									
Endemic unstable situation: animals moved after an auction from one farm to others in the same area: numerous cases.									
Gauteng									

Pretoria, Anima Veterinary Consulting Rooms									
Sheep: 2									
Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic									
Sheep: 1, Goat: 3									
Twenty one cases									
North West									
Christiana, Christiana Dierehospitaal									
Beef: 1									
Swartruggens, Swartruggens Veterinary Clinic									
Goat: 1									
Ventersdorp, Buffelsvlei Dierekliniek									
Beef: 1									
Kwazulu-Natal									
Bergville, Bergville Veterinary Clinic									
Beef: 2									
Estcourt, Estcourt Vet Clinic									
Beef: 2, Goat: 2									
Mtubatuba, Mtubatuba Animal Clinic									
Beef: 2, Goat: 2									
Pongola, Pongola Animal Clinic									
Beef: 1, Sheep: 1, Goat: 1									
Eastern Cape									
Alexandria, Dr Thys (MJ) Potgieter									
Beef: 2									
Humansdorp, Humansdorp Veterinary Clinic									
Dairy: 2, Sheep: 2									
Port Alfred, Port Alfred Veterinary Clinic									
Beef: 2, Sheep: 2									
Uitenhage, Uitenhage Dierehospitaal									
Beef: 2, Sheep: 2									
Insect Transmittable Diseases									
Lumpy skin disease									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (3)	2.5 (2)	1.0 (1)		2.0 (3)	1.7 (3)		2.0 (1)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef	1.0 (3)	2.5 (2)	1.0 (1)		2.0 (3)	1.7 (3)			
Dairy								2.0 (1)	
Mpumalanga									
Balfour, Balfour Dierekliniek									
Beef: 1									
Middelburg , Middelburg Dierehospitaal									
Beef: 1									
Nelspruit, Nelspruit Animal Hospital									
Beef: 1									
Mid winter outbreak: animals not vaccinated.									
Gauteng									
Bronkhorstspuit, Kerkstraat Dierekliniek									

Beef: 2									
Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic									
Beef: 3									
Limpopo									
Mokopane, Dr Henk Visser									
Beef: 1									
Free State									
Bethlehem, Bethlehem Animal Hospital									
Beef: 1									
Ficksburg, Oos Vrystaat Diere Produkte									
Beef: 2									
Memel, Memel Veterinary Clinic									
Beef: 3									
Kwazulu-Natal									
Dundee, Endumeni Herd health									
Beef: 2									
Newcastle, Ncanduvet Newcastle									
Beef: 2									
Pongola, Pongola Animal Clinic									
Beef: 1									
Confirmed in laboratory									
Western Cape									
Oudtshoorn, Ostrimed									
Dairy: 2									
Very late and only in two dairy herds – mainly heifers									
Three-day-stiffsickness									▲
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average					1.5 (2)				
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef					1.5 (2)				
Free State									
Bethlehem, Bethlehem Animal Hospital									
Beef: 1									
Ficksburg, Oos Vrystaat Diere Produkte									
Beef: 2									
Blue tongue									▲
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average							1.0 (2)		
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Sheep							1.0 (1)		
Goat							1.0 (1)		
Eastern Cape									

Graaff-Reinet, Camdeboo Veterinary Clinic									
Sheep: 1									
Middelburg (EC), Steynsburg Dierehospitaal									
Goat: 1									
Angora with chronic myosites									
Venereal Diseases									
Trichomonosis									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.3 (3)			3.0 (2)	2.2 (9)	2.4 (5)	2.0 (1)		
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef	2.3 (3)			3.0 (2)	2.2 (9)	2.4 (5)	2.0 (1)		
Mpumalanga									
Middelburg , Middelburg Dierehospitaal									
Beef: 3									
Piet Retief, Pets Vet Hospital									
Beef: 2									
Standerton, Econovet									
Beef: 2									
North West									
Leeudoringstad, Leeudoringstad Direkliniek									
Beef: 3									
Thirty out of 55 bulls positive									
Stella, Stella Direkliniek									
Beef: 3									
Free State									
Bethlehem, Bethlehem Animal Hospital									
Beef: 2									
Existing farms, disease increasing rapidly									
Bothaville, Cape Cross Bothaville Veterinary Hospital									
Beef: 2									
Frankfort, Frankfort Direkliniek									
Beef: 3									
Harrismith, Harrismith Dierehospitaal									
Beef: 2									
Hoopstad, Hoopstad Direkliniek									
Beef: 3									
Ladybrand, Ladybrand / Excelsior Direkliniek									
Beef: 2									
Viljoenskroon, Viljoenskroon Direkliniek									
Beef: 1									
Villiers, Wilgepoort Direkliniek Vennootskap									
Beef: 3									
Vrede, Vrede Dierehospitaal									
Beef: 2									
Kwazulu-Natal									
Bergville, Bergville Veterinary Clinic									
Beef: 2									

<b>Bergville, Tugela Vet Clinic</b>									
Beef: 2									
<b>Dundee, Endumeni Herd health</b>									
Beef: 3									
<b>Kokstad, E.G.Veterinary Services</b>									
Beef: 3									
<b>Newcastle, Ncanduvet Newcastle</b>									
Beef: 2									
<b>Eastern Cape</b>									
<b>Queenstown, Queenstown Veterinary clinic</b>									
Beef: 2									
New farm									
<b>Vibriosis</b>									
<b>PROVINCE</b>	<b>Mpumalanga</b>	<b>Gauteng</b>	<b>Limpopo</b>	<b>North West</b>	<b>Free State</b>	<b>Kwazulu-Natal</b>	<b>Eastern Cape</b>	<b>Western Cape</b>	<b>Northern Cape</b>
<b>Average</b>			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									
<b>Beef</b>			1.0 (1)				1.0 (1)		
<b>Limpopo</b>									
<b>Mokopane, Dr Henk Visser</b>									
Beef: 1									
<b>Eastern Cape</b>									
<b>Somerset East, Bosberg Veterinary Clinic</b>									
Beef: 1									
<b>Pizzle disease</b>									
<b>PROVINCE</b>	<b>Mpumalanga</b>	<b>Gauteng</b>	<b>Limpopo</b>	<b>North West</b>	<b>Free State</b>	<b>Kwazulu-Natal</b>	<b>Eastern Cape</b>	<b>Western Cape</b>	<b>Northern Cape</b>
<b>Average</b>							1.5 (2)	1.0 (1)	3.0 (1)
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
<b>Sheep</b>							1.5 (2)	1.0 (1)	3.0 (1)
<b>Eastern Cape</b>									
<b>Aliwal North, Uitspan C Troskie</b>									
Sheep: 1									
<b>Graaff-Reinet, Graaff Reinet Veterinary Clinic</b>									
Sheep: 2									
<b>Western Cape</b>									
<b>Beaufort West, Beaufort West State Vet</b>									
Sheep: 1									
New introduction									
<b>Northern Cape</b>									
<b>Calvinia, Calvinia Veeartskliniek</b>									
Sheep: 3									
<b>Bacterial Disease (other)</b>									

Blackquarter									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (3)			1.0 (1)	2.4 (8)	1.5 (6)	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	2.0 (3)			1.0 (1)	2.4 (7)	1.5 (6)	1.5 (2)	1.0 (1)	2.0 (1)
Sheep					2.0 (1)				
Mpumalanga									
Balfour, Balfour Dierekliniek									
Beef: 2									
Grootvlei, Grootvlei Dierekliniek									
Beef: 2									
Middelburg , Middelburg Dierehospitaal									
Beef: 2									
North West									
Klerksdorp, Klerksdorp Dierehospitaal									
Beef: 1									
Free State									
Dewetsdorp, Platkop Dierekliniek									
Beef: 2									
Harrismith, Harrismith Dierehospitaal									
Beef: 3									
Kroonstad, Kroonstad Dierehospitaal									
Beef: 3									
Memel, Memel Veterinary Clinic									
Beef: 3									
Villiers, Wilgepoort Dierekliniek Vennootskap									
Beef: 2									
Wesselsbron, Wesselsbron Dierekliniek									
Beef: 3									
Young animals not vaccinated									
Zastron, Zastron Dierekliniek									
Beef: 1, Sheep: 2									
Kwazulu-Natal									
Bergville, Bergville Veterinary Clinic									
Beef: 2									
Dundee, Mpati Veterinary Clinic									
Beef: 1									
Estcourt, Estcourt Vet Clinic									
Beef: 1									
Mooi River, Mooirivier Vet Clinic									
Beef: 2									
Newcastle, Ncanduvet Newcastle									
Beef: 1									
Underberg, Underberg Veterinary Surgery									
Beef: 2									
Eastern Cape									
Alexandria, Dr Thys (MJ) Potgieter									
Beef: 1									

Aliwal North, Uitspan C Troskie									
Beef: 2									
Western Cape									
George, George Animal Hospital									
Beef: 1									
Northern Cape									
Kuruman, Kuruman Dierekliniek									
Beef: 2									
Nine cattle died, were vaccinated last year									
Botulism									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average								1.5 (2)	3.0 (1)
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef								1.0 (1)	
Dairy								2.0 (1)	
Sheep									3.0 (1)
Western Cape									
Caledon, Overberg Veterinary Hospital									
Beef: 1, Dairy: 2									
Northern Cape									
Upington, Upington Veterinary Clinic									
Sheep: 3									
Ewes (11) died in Kenhardt district in one camp. Source still inkknown. Area calcium deficient									
Pulpy Kidney									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average				2.0 (1)	2.0 (11)	1.0 (2)	1.0 (3)	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									
Sheep				2.0 (1)	2.0 (11)	1.0 (1)	1.0 (2)	2.0 (1)	2.0 (2)
Goat						1.0 (1)	1.0 (1)	2.0 (1)	
North West									
Christiana, Christiana Dierehospitaal									
Sheep: 2									
Free State									
Bethlehem, Bethlehem Animal Hospital									
Sheep: 1									
Bothaville, Cape Cross Bothaville Veterinary Hospital									
Sheep: 2									
Ficksburg, Oos Vrystaat Diere Produkte									
Sheep: 2									
Frankfort, Frankfort Dierekliniek									



Sheep: 2
<b>Harrismith, Harrismith Dierehospitaal</b>
Sheep: 3
<b>Hoopstad, Hoopstad Dierekliniek</b>
Sheep: 2
<b>Kroonstad, Kroonstad Dierehospitaal</b>
Sheep: 2
<b>Reitz, Riemland Dierekliniek</b>
Sheep: 2
<b>Viljoenskroon, Viljoenskroon Dierekliniek</b>
Sheep: 1
<b>Villiers, Wilgepoort Dierekliniek Vennootskap</b>
Sheep: 3
<b>Zastron, Zastron Dierekliniek</b>
Sheep: 2
<b>Kwazulu-Natal</b>
<b>Estcourt, Estcourt Vet Clinic</b>
Sheep: 1, Goat: 1
<b>Eastern Cape</b>
<b>Graaff-Reinet, Camdeboo Veterinary Clinic</b>
Sheep: 1, Goat: 1
<b>Middelburg (EC), Steynsburg Dierehospitaal</b>
Sheep: 1
<b>Western Cape</b>
<b>George, George Animal Hospital</b>
Sheep: 2, Goat: 2
<b>Northern Cape</b>
<b>Calvinia, Calvinia Veeartskliniek</b>
Sheep: 2
<b>De Aar, De Aar Veterinary Clinic</b>
Sheep: 2
Lamb deaths - possible clostridial infection as vaccination stopped mortalities.

<b>Lamb dysentery</b>	<a href="#">^</a>
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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

<b>Sheep</b>	2.0 (1)
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<b>Free State</b>
<b>Clocolan, Clocolan Dierekliniek</b>
Sheep: 2

<b>Swelled head disease</b>	<a href="#">^</a>
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PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (1)	1.0 (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

<b>Beef</b>	2.0 (1)	1.0 (1)	1.0 (1)						
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#### Mpumalanga

##### Ermelo, Môregloed Veterinêre Spreekkamer

Beef: 2

Two cows in feedlot and young animals

#### Gauteng

##### Bronkhorstspuit, Kerkstraat Dierekliniek

Beef: 1

#### Limpopo

##### Mokopane, Dr Henk Visser

Beef: 1

### Redgut (cattle)



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

1.3 (6)

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

<b>Beef</b>					1.4 (5)	1.5 (2)			
<b>Dairy</b>					1.0 (1)				

#### Free State

##### Bethlehem, Bethlehem Animal Hospital

Beef: 1

##### Clocolan, Clocolan Dierekliniek

Beef: 1, Dairy: 1

##### Ladybrand, Ladybrand / Excelsior Dierekliniek

Beef: 2

##### Reitz, Riemland Dierekliniek

Beef: 1

##### Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2

#### Kwazulu-Natal

##### Mooi River, Mooirivier Vet Clinic

Beef: 2

##### Underberg, Underberg Veterinary Surgery

Beef: 1

### Blood gut (Sheep)



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

2.0 (1)

1.7 (3)

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

<b>Sheep</b>	2.0 (1)				1.7 (3)	1.5 (2)		2.0 (1)	
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#### Mpumalanga

Standerton, Econovet									
Sheep: 2									
Free State									
Clocolan, Clocolan Dierekliniek									
Sheep: 2									
Harrismith, Harrismith Dierehospitaal									
Sheep: 2									
Wesselsbron, Wesselsbron Dierekliniek									
Sheep: 1									
Kwazulu-Natal									
Newcastle, Ncanduvet Newcastle									
Sheep: 2									
Underberg, Underberg Veterinary Surgery									
Sheep: 1									
Western Cape									
Caledon, Overberg Veterinary Hospital									
Sheep: 2									
Tetanus									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average					2.0 (1)	1.2 (5)			
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Sheep					2.0 (1)	1.3 (3)			
Goat						1.0 (2)			
Free State									
Harrismith, Harrismith Dierehospitaal									
Sheep: 2									
Kwazulu-Natal									
Bergville, Tugela Vet Clinic									
Sheep: 1									
Dundee, Mpati Veterinary Clinic									
Sheep: 2									
Estcourt, Estcourt Vet Clinic									
Sheep: 1, Goat: 1									
Newcastle, Ncanduvet Newcastle									
Goat: 1									
Salmonellosis									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (1)				2.0 (1)	1.0 (1)			3.0 (1)
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef					2.0 (1)	1.0 (1)			
Dairy	2.0 (1)								
Sheep									3.0 (1)

Mpumalanga									
Nelspruit, Nelspruit Animal Hospital									
Dairy: 2									
Free State									
Vrede, Vrede Dierehospitaal									
Beef: 2									
Kwazulu-Natal									
Pietermaritzburg, Richmond Veterinay Clinic									
Beef: 1									
Northern Cape									
Kimberley, Kimberley Dierekliniek									
Sheep: 3									
Salmonella diarrhoea secondary to nutritional problem									
Bovine brucellosis ( <i>Brucella bovis</i> )									↑
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.5 (2)		1.0 (1)	2.0 (2)	2.2 (9)		2.0 (1)		
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef	1.5 (2)		1.0 (1)	2.0 (2)	2.4 (7)				
Dairy					1.5 (2)		2.0 (1)		
Mpumalanga									
Balfour, Balfour Dierekliniek									
Beef: 1									
Grootvlei, Grootvlei Dierekliniek									
Beef: 2									
Limpopo									
Mokopane, Dr Henk Visser									
Beef: 1									
North West									
Christiana, Christiana Dierehospitaal									
Beef: 1									
Stella, Stella Dierekliniek									
Beef: 3									
Free State									
Bultfontein, Greylingrust Dieresprekkamer									
Beef: 1									
Clocolan, Clocolan Dierekliniek									
Dairy: 2									
Dewetsdorp, Platkop Dierekliniek									
Beef: 3									
Frankfort, Frankfort Dierekliniek									
Beef: 3									
Hoopstad, Hoopstad Dierekliniek									
Beef: 3									
Ladybrand, Ladybrand / Excelsior Dierekliniek									
Beef: 2									
Viljoenskroon, Viljoenskroon Dierekliniek									
Beef: 2									
Villiers, Wilgepoort Dierekliniek Vennootskap									

Beef: 3, Dairy: 1									
Eastern Cape									
Alexandria, Dr Thys (MJ) Potgieter									
Dairy: 2									
On one farm, 8 out of 320 cattle positive									
Ovine brucellosis ( <i>Brucella ovis</i> )									<a href="#">^</a>
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average									2.0 (3)
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Sheep									2.0 (3)
Northern Cape									
Calvinia, Calvinia Veeartskliniek									
Sheep: 1									
De Aar, De Aar Veterinary Clinic									
Sheep: 2									
Tested 2 rams in Victoria West with lesions, both positive. Rev 1 vaccine was not available.									
Upington, Upington Veterinary Clinic									
Sheep: 3									
Tested 40 rams on one farm, more than 50 % positive. Serious problem in commercial herds.									
Johne`s disease									<a href="#">^</a>
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average					1.0 (1)	1.0 (1)	1.0 (1)	1.0 (1)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef						1.0 (1)			
Sheep					1.0 (1)		1.0 (1)	1.0 (1)	
Free State									
Villiers, Wilgepoort Dierekliniek Vennootskap									
Sheep: 1									
Dohne Ram bred in the Free State									
Kwazulu-Natal									
Dundee, Endumeni Herd health									
Beef: 1									
Eastern Cape									
Aliwal North, Uitspan C Troskie									
Sheep: 1									
Western Cape									
Vredenburg, Vredenburg Dierehospitaal									
Sheep: 1									
Pseudomonas									<a href="#">^</a>
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									
Beef						3.0 (1)			
Kwazulu-Natal									
Pongola, Pongola Animal Clinic									
Beef: 3									
Pseudomonolysis due to <i>Pseudomonas aeruginosa</i> - unilateral facial paralysis syndrome. Huge problem in Pongola area.									
Septicemia									^
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							2.0 (1)		
Dairy					1.0 (1)			2.0 (1)	
Free State									
Clocolan, Clocolan Direkliniek									
Dairy: 1									
Eastern Cape									
Port Alfred, Port Alfred Veterinary Clinic									
Beef: 2									
Septicemia in calves due to <i>E. coli</i>									
Western Cape									
Stellenbosch, Provincial Veterinary Laboratory									
Dairy: 2									
Paarl area: Samples from four calves from the same farm yielded <i>Pasteurella multocida</i> in combination with other bacteria. One calf that presented with omphalophlebitis also yielded <i>Trueperella pyogenes</i> , <i>Staphylococcus</i> species, <i>E. coli</i> and a <i>Salmonella</i> I. Isolation of a variety of bacteria in such a case is not uncommon because infection comes from the environment of the calf. In addition <i>Trueperella pyogenes</i> was isolated from a lung sample of another calf.									
<i>E. coli</i>									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.5 (2)	2.0 (1)		1.3 (3)	2.1 (7)	2.0 (3)	1.3 (3)		
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef	1.5 (2)	2.0 (1)			1.7 (3)	3.0 (1)	1.5 (2)		
Dairy					2.0 (1)	1.5 (2)	1.0 (1)		
Sheep				1.3 (3)	2.7 (3)				
Mpumalanga									

<b>Balfour, Balfour Dierekliniek</b>									
Beef: 1									
<b>Standerton, Econovet</b>									
Beef: 2									
<b>Gauteng</b>									
<b>Bapsfontein, Bapsfontein Dierehospitaal</b>									
Beef: 2									
<b>North West</b>									
<b>Christiana, Christiana Dierehospitaal</b>									
Sheep: 1									
<b>Leeudoringstad, Leeudoringstad Dierekliniek</b>									
Sheep: 2									
Lambs died within the first week of life									
<b>Ventersdorp, Buffelsvlei Dierekliniek</b>									
Sheep: 1									
<b>Free State</b>									
<b>Clocolan, Clocolan Dierekliniek</b>									
Beef: 1, Sheep: 3									
<b>Ficksburg, Oos Vrystaat Diere Produkte</b>									
Dairy: 2									
<b>Hoopstad, Hoopstad Dierekliniek</b>									
Sheep: 3									
<b>Kroonstad, Kroonstad Dierehospitaal</b>									
Sheep: 2									
<b>Viljoenskroon, Viljoenskroon Dierekliniek</b>									
Beef: 2									
<b>Zastron, Zastron Dierekliniek</b>									
Beef: 2									
<b>Kwazulu-Natal</b>									
<b>Estcourt, Estcourt Vet Clinic</b>									
Dairy: 1									
<b>Mooi River, Mooirivier Vet Clinic</b>									
Dairy: 2									
<b>Pietermaritzburg, Richmond Veterinay Clinic</b>									
Beef: 3									
<b>Eastern Cape</b>									
<b>Aliwal North, Uitspan C Troskie</b>									
Beef: 1									
<b>Humansdorp, Humansdorp Veterinary Clinic</b>									
Dairy: 1									
<b>Port Alfred, Port Alfred Veterinary Clinic</b>									
Beef: 2									
Septicemia in calves due to E.coli									
<b>Enzootic Abortion</b>									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>		1.0 (1)			3.0 (2)				
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
<b>Sheep</b>					3.0 (2)				

Goat	1.0 (1)								
Gauteng									
Bronkhorstspuit, Kerkstraat Dierekliniek									
Goat: 1									
Free State									
Bultfontein, Greylingrust Dieresprekkamer									
Sheep: 3									
Kroonstad, Kroonstad Dierehospitaal									
Sheep: 3									
Dermatophilosis (Lumpy Wool)									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average							2.0 (1)		
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Sheep							2.0 (1)		
Eastern Cape									
Middelburg (EC), Steynsburg Dierehospitaal									
Sheep: 2									
Intrauterine Gangrene									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	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)								
Mpumalanga									
Grootvlei, Grootvlei Dierekliniek									
Sheep: 1									
Other									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (1)		1.0 (1)				1.0 (1)		
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef							1.0 (1)		
Dairy			1.0 (1)						
Goat	2.0 (1)								
Mpumalanga									
Nelspruit, Nelspruit Animal Hospital									
Goat: 2									





Sheep: 2									
George, George Animal Hospital									
Sheep: 1									
Northern Cape									
Kimberley, Kimberley Dierekliniek									
Sheep: 3									
Coccidia diarrhoea									
Fungal diseases									
Ringworm									^
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)	1.4 (5)	1.5 (4)	1.0 (1)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef	2.0 (1)			2.0 (1)	2.0 (2)	1.0 (3)	1.3 (3)		
Dairy						2.0 (1)	2.0 (1)	1.0 (1)	
Sheep						2.0 (1)			
Mpumalanga									
Grootvlei, Grootvlei Dierekliniek									
Beef: 2									
North West									
Christiana, Christiana Dierehospitaal									
Beef: 2									
Free State									
Reitz, Riemland Dierekliniek									
Beef: 2									
Viljoenskroon, Viljoenskroon Dierekliniek									
Beef: 2									
Kwazulu-Natal									
Bergville, Bergville Veterinary Clinic									
Beef: 1									
Estcourt, Estcourt Vet Clinic									
Dairy: 2									
Mtubatuba, Mtubatuba Animal Clinic									
Beef: 1									
Newcastle, Ncanduvet Newcastle									
Sheep: 2									
Pongola, Pongola Animal Clinic									
Beef: 1									
Eastern Cape									
Graaff-Reinet, Graaff Reinet Veterinary Clinic									
Beef: 2									
Humansdorp, Humansdorp Veterinary Clinic									
Dairy: 2									
Middelburg (EC), Steynsburg Dierehospitaal									
Beef: 1									
Queenstown, Queenstown Veterinary clinic									
Beef: 1									
Western Cape									

**Stellenbosch, Stellenbosch Animal Hospital**

Dairy: 1

### Viral Diseases (other)

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

<b>Beef</b>	2.0 (3)	2.0 (2)	1.5 (2)	2.0 (1)	1.0 (1)
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**Limpopo**

**Bela-Bela, Warmbad Dierekliniek**

Beef: 2

Two bulls adjacent to wildebeest camp

**Mokopane, Dr Henk Visser**

Beef: 2

## Vaalwater, Vaalwater Dieresprekkamer

Beef: 2

Nine cases reported by a farmer

North West	
1	1
2	2
3	3
4	4
5	5
6	6
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99	99
100	100

Christiana, Christiana Dierehospitaal

Beer: 1	
Knowledge	Knowledge

**Klerksdorp, Klerksdorp Dierehospitaal**

Severe BMC outbreak on farm adjacent to game farms in the area

### Free State

Free State	
Harrismith	Harrismith Dierhospitaal

Beef: 1

**Kroonstad, Kroonstad Dierehospitaal**

Beef: 2

## Kwazulu-Natal

### Dundee, Endumeni Herd health

Beef: 2	
Wild boar	6

Wildebess strain, cattle adjacent to game farm.

### Eastern Cape

**Stutterheim, Stutterheim Veterinary Clinic**

Beer: 1

## Rabies

PROVINCE	Manumalanga	Capetown	Limpopo	North	Free	Kwazulu-	Eastern	Western	Northern
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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

<b>Dairy</b>	1.0 (1)
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## Kwazulu-Natal

**Mooi River, Moirivier Vet Clinic**

Dairy: 1

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

<b>Beef</b>	1.3 (3)	2.0 (1)	1.0 (1)
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## Free State

**Dewetsdorp, Platkop Dierekliniek**

Beef: 1
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## Ficksburg, Oos Vrystaat Diere Produkte

Beef: 2

**Villiers, Wilgepoort Dierekliniek Vennootskap**

Beef: 1

Kwazulu-Natal	
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100	100

**Kokstad, E.G.Veterinary Services**

Beef: 2

W: 3

**Western Cape**  
**Caladan, Overberg Veterinary Hospital**

**Caledon, Overberg Veterinary Hospital**

beer: 1	

IBR (Infectious bovine rhinotracheitis)	^
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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 (4)	2.0 (6)	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

<b>Beef</b>	1.0 (1)	2.3 (3)	2.0 (5)	1.5 (2)
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Dairy	1.0 (1)	2.0 (1)
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**Gauteng**

**Bronkhorstspuit, Kerkstraat Dierkliniek**

Beef: 1

## Free State

**Bultfontein, Greylingrust Dieresprekkamer**

Beef: 2

**Memel, Memel Veterinary Clinic**

Beef: 3

## Vrede, Vrede Dierhospitaal

Beef: 2, Dairy: 1

[illegible]

**Dundee, Mpati Veterinary Clinic**

Beef: 2

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Beer: 1  
Kokstad, E G Veterinary Services

**Kokstad, E.G. Veterinary Services**

Beef: 2
<b>Mooi River, Mooirivier Vet Clinic</b>
Dairy: 2
<b>Pietermaritzburg, Richmond Veterinay Clinic</b>
Beef: 3
<b>Underberg, Underberg Veterinary Surgery</b>
Beef: 2
<b>Eastern Cape</b>
<b>Alexandria, Dr Thys (MJ) Potgieter</b>
Beef: 2
Calves - 7 to 8 months old
<b>Aliwal North, Uitspan C Troskie</b>
Beef: 1

<b>PI3</b>	<a href="#">^</a>
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PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
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<b>Average</b>					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

<b>Beef</b>					1.0 (1)				
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<b>Free State</b>
<b>Wesselsbron, Wesselsbron Dierekliniek</b>
Beef: 1

<b>Enzootic Bovine Leucosis (EBL)</b>	<a href="#">^</a>
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PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
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<b>Average</b>		1.0 (1)		2.0 (1)		2.0 (2)	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

<b>Beef</b>		1.0 (1)							
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<b>Dairy</b>				2.0 (1)		2.0 (2)	2.0 (1)		
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<b>Gauteng</b>
<b>Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic</b>
Beef: 1
<b>North West</b>
<b>Ventersdorp, Buffelsvlei Dierekliniek</b>
Dairy: 2
<b>Kwazulu-Natal</b>
<b>Dundee, Endumeni Herd health</b>
Dairy: 2
<b>Estcourt, Estcourt Vet Clinic</b>
Dairy: 2
<b>Eastern Cape</b>
<b>Humansdorp, Humansdorp Veterinary Clinic</b>
Dairy: 2

Jaagsiekte									<a href="#">^</a>
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average				1.0 (1)		2.0 (1)	3.0 (1)		
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Sheep				1.0 (1)		2.0 (1)	3.0 (1)		
North West									
Schweizer-Reneke, NJ Heyns									
Sheep: 1									
One flock, Merino crosses bought in, some animals died with consolidated lungs.									
Kwazulu-Natal									
Kokstad, E.G.Veterinary Services									
Sheep: 2									
Eastern Cape									
Middelburg (EC), Steynsburg Dierehospitaal									
Sheep: 3									
Barkly East, Rhodes, Maclear									
Orf									<a href="#">^</a>
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.3 (4)	3.0 (1)		2.0 (1)	2.0 (2)	2.0 (2)	1.0 (1)	2.0 (2)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Sheep	1.0 (2)	3.0 (1)			2.0 (2)	3.0 (1)		2.0 (2)	
Goat	1.5 (2)			2.0 (1)		1.0 (1)	1.0 (1)		
Mpumalanga									
Bethal, Bethal Dierekliniek									
Sheep: 1									
Grootvlei, Grootvlei Dierekliniek									
Sheep: 1									
Middelburg , Middelburg Dierehospitaal									
Goat: 1									
Nelspruit, Nelspruit Animal Hospital									
Goat: 2									
Non-vaccinated kids.									
Gauteng									
Pretoria, Anima Veterinary Consulting Rooms									
Sheep: 3									
North West									
Christiana, Christiana Dierehospitaal									
Goat: 2									
Free State									
Kroonstad, Kroonstad Dierehospitaal									
Sheep: 2									
Ladybrand, Ladybrand / Excelsior Dierekliniek									

Sheep: 2									
Kwazulu-Natal									
Estcourt, Estcourt Vet Clinic									
Goat: 1									
Newcastle, Ncanduvet Newcastle									
Sheep: 3									
Eastern Cape									
Graaff-Reinet, Graaff Reinet Veterinary Clinic									
Goat: 1									
Western Cape									
Oudtshoorn, Ostrimed									
Sheep: 1									
Piketberg, Piketberg Dierehospitaal									
Sheep: 3									
Warts									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)		2.0 (1)	1.0 (1)	1.5 (4)	1.8 (4)	1.0 (2)	1.0 (2)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef	1.0 (1)		2.0 (1)	1.0 (1)	1.0 (2)	1.8 (4)	1.0 (2)	1.0 (1)	
Dairy								1.0 (1)	
Sheep					3.0 (1)				
Goat					1.0 (1)				
Mpumalanga									
Grootvlei, Grootvlei Dierekliniek									
Beef: 1									
Limpopo									
Mokopane, Dr Henk Visser									
Beef: 2									
North West									
Christiana, Christiana Dierehospitaal									
Beef: 1									
Free State									
Bethlehem, Bethlehem Animal Hospital									
Beef: 1									
Clocolan, Clocolan Dierekliniek									
Sheep: 3									
Reitz, Riemland Dierekliniek									
Beef: 1									
Wesselsbron, Wesselsbron Dierekliniek									
Goat: 1									
Kwazulu-Natal									
Bergville, Bergville Veterinary Clinic									
Beef: 2									
Dundee, Endumeni Herd health									
Beef: 2									
Mtubatuba, Mtubatuba Animal Clinic									
Beef: 2									
Pongola, Pongola Animal Clinic									

Beef: 1									
Eastern Cape									
Middelburg (EC), Steynsburg Dierehospitaal									
Beef: 1									
Queenstown, Queenstown Veterinary clinic									
Beef: 1									
Western Cape									
Oudtshoorn, Ostrimed									
Beef: 1									
Stellenbosch, Stellenbosch Animal Hospital									
Dairy: 1									
Sheep leucosis									▲
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average							3.0 (1)		
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Sheep							3.0 (1)		
Eastern Cape									
Middelburg (EC), Steynsburg Dierehospitaal									
Sheep: 3									
Poisonings (Plant) and Fungal									
Cardiac glycoside poisoning									▲
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average					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)				
Free State									
Kroonstad, Kroonstad Dierehospitaal									
Dairy: 2									
Cestrum									▲
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average		2.0 (1)			3.0 (1)				
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef		2.0 (1)			3.0 (1)				
Gauteng									
Bronkhorstspuit, Kerkstraat Dierekliniek									



Beef: 2									
Free State									
Ladybrand, Ladybrand / Excelsior Dierekliniek									
Beef: 3									
Cynanchum poisoning									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average				3.0 (1)					
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef				3.0 (1)					
North West									
Leeudoringstad, Leeudoringstad Dierekliniek									
Beef: 3									
Facial eczema									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average					2.0 (2)				
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Dairy					2.0 (1)				
Sheep					2.0 (1)				
Free State									
Reitz, Riemland Dierekliniek									
Sheep: 2									
Zastron, Zastron Dierekliniek									
Dairy: 2									
Lantana									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average						2.0 (1)	2.0 (1)		
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)		
Kwazulu-Natal									
Bergville, Bergville Veterinary Clinic									
Beef: 2									
Eastern Cape									
Alexandria, Dr Thys (MJ) Potgieter									
Beef: 2									

Nitrate poisoning									<a href="#">^</a>
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average					1.0 (1)				
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Sheep					1.0 (1)				
Free State									
Reitz, Riemland Dierekliniek									
Sheep: 1									
Prussic acid poisoning									<a href="#">^</a>
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average					2.0 (1)	1.0 (1)	1.0 (1)		
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef					2.0 (1)	1.0 (1)			
Sheep							1.0 (1)		
Free State									
Ladybrand, Ladybrand / Excelsior Dierekliniek									
Beef: 2									
Kwazulu-Natal									
Bergville, Bergville Veterinary Clinic									
Beef: 1									
Eastern Cape									
Queenstown, Queenstown Veterinary clinic									
Sheep: 1									
Green feed									
Seneciosis									<a href="#">^</a>
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average					2.0 (1)				
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef					2.0 (1)				
Kwazulu-Natal									
Estcourt, Estcourt Vet Clinic									
Beef: 2									
Tulip Poisoning									<a href="#">^</a>

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.5 (2)				2.7 (3)	2.0 (6)	3.0 (1)		
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef	1.5 (2)				2.7 (3)	2.0 (6)			
Sheep							3.0 (1)		

## Vermeersiekte (*Gaigeria* spp.)

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

Mycotoxycosis									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average								1.0 (1)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Dairy								1.0 (1)	
Western Cape									
Stellenbosch, Stellenbosch Animal Hospital									
Dairy: 1									
Diplodiosis									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average					1.0 (1)				
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Sheep					1.0 (1)				
Free State									
Wesselsbron, Wesselsbron Dierekliniek									
Sheep: 1									
Other									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average								1.0 (1)	3.0 (1)
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef									3.0 (1)
Sheep								1.0 (1)	
Western Cape									
Darling, Darling Dierekliniek									
Sheep: 1									
Kraalbos toxicity									
Northern Cape									
Kathu, Kathu Dierekliniek									
Beef: 3									
Crotalaria toxicity									
Poisonings									
Water contamination									^

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)			
Sheep					1.0 (1)				

<b>Mpumalanga</b>									
<b>Balfour, Balfour Dierekliniek</b>									
Beef: 1									
<b>Free State</b>									
<b>Bethlehem, Bethlehem Animal Hospital</b>									
Sheep: 1									
<b>Kwazulu-Natal</b>									
<b>Dundee, Endumeni Herd health</b>									
Beef: 1									

<b>Urea Poisoning</b>									<a href="#">^</a>
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average					1.0 (1)	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					1.0 (1)	2.0 (1)	2.0 (1)		
Dairy						3.0 (1)			
Sheep							2.0 (1)		
Goat						2.0 (1)			

<b>Free State</b>									
<b>Bethlehem, Bethlehem Animal Hospital</b>									
Beef: 1									
<b>Kwazulu-Natal</b>									
<b>Estcourt, Estcourt Vet Clinic</b>									
Beef: 2, Goat: 2									
<b>Mooi River, Mooirivier Vet Clinic</b>									
Dairy: 3									
<b>Eastern Cape</b>									
<b>Graaff-Reinet, Graaff Reinet Veterinary Clinic</b>									
Beef: 2									
<b>Middelburg (EC), Steynsburg Dierehospitaal</b>									
Sheep: 2									

<b>Snake Bite</b>									<a href="#">^</a>
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

<b>Beef</b>	2.0 (1)
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#### Free State

**Clocolan, Clocolan Dierekliniek**

Beef: 2

#### Blue-green algae



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

1.0 (1)

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

<b>Dairy</b>	1.0 (1)
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#### Kwazulu-Natal

**Mooi River, Mooirivier Vet Clinic**

Dairy: 1

#### Copper Poisoning



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

1.0 (1)

1.0 (1)

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

<b>Sheep</b>	1.0 (1)	1.0 (1)
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#### Eastern Cape

**Somerset East, Bosberg Veterinary Clinic**

Sheep: 1

Excess

#### Western Cape

**George, George Animal Hospital**

Sheep: 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)

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

<b>Sheep</b>	1.0 (1)
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#### Western Cape

**George, George Animal Hospital**

Sheep: 1

Selenium

## Macro Nutritional Problems

### Energy deficiency



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 (1)	2.1 (11)	2.0 (6)		1.7 (3)	3.0 (1)

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

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

#### Mpumalanga

##### Balfour, Balfour Dierekliniek

Beef: 1

##### Nelspruit, Nelspruit Animal Hospital

Beef: 3

Winter grazing extremely poor throughout the southern Lowveld due to lower average rainfall in previous summer months. BCS already lower than previous years. This is also reflected in general lowered conception rates.

#### Gauteng

##### Bronkhorstspuit, Kerkstraat Dierekliniek

Beef: 2, Sheep: 1

#### North West

##### Christiana, Christiana Dierehospitaal

Sheep: 1

#### Free State

##### Bethlehem, Bethlehem Animal Hospital

Beef: 2, Sheep: 2, Goat: 2

##### Harrismith, Harrismith Dierehospitaal

Beef: 1

##### Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

##### Reitz, Riemland Dierekliniek

Beef: 2, Sheep: 2

##### Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2, Sheep: 2

##### Zastron, Zastron Dierekliniek

Dairy: 2

#### Kwazulu-Natal

##### Dundee, Endumeni Herd health

Beef: 2

##### Kokstad, E.G.Veterinary Services

Beef: 2

##### Mtubatuba, Mtubatuba Animal Clinic

Beef: 2

##### Pongola, Pongola Animal Clinic

Beef: 2

Low rainfall, severe drought conditions

Sheep: 2

Low rainfall, severe drought conditions									
Goat: 2									
Low rainfall, severe drought conditions									
Western Cape									
Beaufort West, Beaufort West State Vet									
Sheep: 1									
Caledon, Overberg Veterinary Hospital									
Sheep: 2									
Stellenbosch, Stellenbosch Animal Hospital									
Beef: 2									
Northern Cape									
Calvinia, Calvinia Veeartskliniek									
Beef: 3									
Protein deficiency									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (3)	2.0 (1)		1.0 (1)	2.0 (6)	2.1 (8)	2.5 (2)	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	2.0 (3)	2.0 (1)			2.0 (2)	2.2 (6)		2.0 (1)	
Dairy					2.0 (1)		2.0 (1)		
Sheep				1.0 (1)	2.0 (2)	2.0 (1)	3.0 (1)	3.0 (1)	2.0 (1)
Goat					2.0 (1)	2.0 (1)			
Mpumalanga									
Balfour, Balfour Dierekliniek									
Beef: 1									
Middelburg , Middelburg Dierehospitaal									
Beef: 2									
Nelspruit, Nelspruit Animal Hospital									
Beef: 3									
Very poor winter grazing: see comments under energy deficiencies.									
Gauteng									
Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic									
Beef: 2									
North West									
Christiana, Christiana Dierehospitaal									
Sheep: 1									
Free State									
Bethlehem, Bethlehem Animal Hospital									
Beef: 2, Sheep: 2, Goat: 2									
Villiers, Wilgepoort Dierekliniek Vennootskap									
Beef: 2, Sheep: 2									
Zastron, Zastron Dierekliniek									
Dairy: 2									
Kwazulu-Natal									
Dundee, Mpati Veterinary Clinic									
Beef: 2									
We continue to see conditions of protein, energy and water shortage, leading to grouping of age groups for access to available water sources and grazing. Many farmers have not been able to make any/enough hay this year and so we foresee October through to November/December being critical in the area for needing early rains.									



On some farms where irrigation water is available, rye/barley/oats pastures will be used to bridge the early spring lack of grazing (where maize/soya lands/stover has been available, which will run out by then)

#### Estcourt, Estcourt Vet Clinic

Beef: 2

#### Kokstad, E.G. Veterinary Services

Beef: 2

#### Mtubatuba, Mtubatuba Animal Clinic

Beef: 2

Drought

#### Pongola, Pongola Animal Clinic

Beef: 2

Low rainfall, severe drought conditions

Sheep: 2

Low rainfall, severe drought conditions

Goat: 2

Low rainfall, severe drought conditions

#### Underberg, Waterford Farm, Underberg

Beef: 3

Protein deficiency on sour veld grass

#### Eastern Cape

##### Humansdorp, Humansdorp Veterinary Clinic

Dairy: 2

##### Middelburg (EC), Steynsburg Dierehospitaal

Sheep: 3

#### Western Cape

##### Stellenbosch, Stellenbosch Animal Hospital

Beef: 2

##### Vredenburg, Vredenburg Dierehospitaal

Sheep: 3

Green drought, animals in poor condition. Ewes do not attend to their lambs.

#### Northern Cape

##### Calvinia, Calvinia Veeartspraktijk

Sheep: 2

### Phosphate deficiency



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

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

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

#### North West

##### Christiana, Christiana Dierehospitaal

Beef: 3

#### Free State

##### Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2, Sheep: 2

### Calcium deficiency



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

Free State									
<b>Clocolan, Clocolan Dierekliniek</b>									
Dairy: 1									
<b>Dewetsdorp, Platkop Dierekliniek</b>									
Sheep: 2									
<b>Ficksburg, Oos Vrystaat Diere Produkte</b>									
Dairy: 2									
<b>Reitz, Riemland Dierekliniek</b>									
Sheep: 2									
<b>Villiers, Wilgepoort Dierekliniek Vennootskap</b>									
Dairy: 1, Sheep: 2									
Eastern Cape									
<b>Humansdorp, Humansdorp Veterinary Clinic</b>									
Dairy: 2									
Northern Cape									
<b>Upington, Upington Veterinary Clinic</b>									
Sheep: 3									

Ewes in Kenhardt area with no contractions during the lambing process - serious calcium deficiency.

## Micro Nutritional Problems

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

Kwazulu-Natal									
<b>Estcourt, Estcourt Vet Clinic</b>									
Dairy: 2									

Copper 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)								
Mpumalanga									
Lydenburg, Lydenburg Dieresprekkamer									
Beef: 2									
Zinc deficiency									<a href="#">^</a>
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									
Humansdorp, Humansdorp Veterinary Clinic									
Dairy: 2									
Selenium deficiency									<a href="#">^</a>
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (2)	1.0 (1)		1.0 (1)	1.0 (2)	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	2.0 (2)	1.0 (1)				2.0 (2)			
Dairy						3.0 (1)			
Sheep				1.0 (1)	1.0 (2)	3.0 (1)			
Goat						3.0 (1)			
Mpumalanga									
Lydenburg, Lydenburg Dieresprekkamer									
Beef: 2									
Middelburg , Middelburg Dierehospitaal									
Beef: 2									
Gauteng									
Bapsfontein, Bapsfontein Dierehospitaal									
Beef: 1									
North West									
Christiana, Christiana Dierehospitaal									
Sheep: 1									
Free State									
Bothaville, Cape Cross Bothaville Veterinary Hospital									
Sheep: 1									
Harrismith, Harrismith Dierehospitaal									
Sheep: 1									
Kwazulu-Natal									
Estcourt, Estcourt Vet Clinic									
Beef: 3, Dairy: 3, Sheep: 3, Goat: 3									
Newcastle, Ncanduvet Newcastle									
Beef: 1									

Magnesium deficiency									<a href="#">^</a>
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average					2.0 (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									
Dairy					2.0 (1)				
Sheep					2.0 (2)			3.0 (1)	
Free State									
Dewetsdorp, Platkop Dierekliniek									
Sheep: 2									
Ficksburg, Oos Vrystaat Diere Produkte									
Dairy: 2									
Zastron, Zastron Dierekliniek									
Sheep: 2									
Western Cape									
Malmesbury, Dr Otto Kriek									
Sheep: 3									
Ewes presented with very stiff gait and pricked ears on very short green pastures, 1-2 months after lambing down. I am almost 100% certain that magnesium deficiency is the problem. However it will be verified once blood values have been obtained and animals are treated/supplemented with magnesium.									
Vitamin A deficiency									<a href="#">^</a>
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)			3.0 (2)	3.0 (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)			3.0 (1)	3.0 (1)	2.0 (1)			
Sheep				3.0 (1)					
Mpumalanga									
Balfour, Balfour Dierekliniek									
Beef: 1									
North West									
Christiana, Christiana Dierehospitaal									
Beef: 3, Sheep: 3									
Free State									
Hoopstad, Hoopstad Dierekliniek									
Beef: 3									
Kwazulu-Natal									
Dundee, Mpati Veterinary Clinic									
Beef: 2									
Vitamin B deficiency									<a href="#">^</a>
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape

Average	1.0 (1)								
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef	1.0 (1)								
Gauteng									
Bronkhorstspuit, Kerkstraat Dierekliniek									
Beef: 1									
Multi-factorial Disease Conditions									
Abortions									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (3)	1.0 (1)	1.0 (1)	1.7 (3)	2.1 (21)	1.7 (14)	2.0 (3)	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	2.0 (3)		1.0 (1)	1.7 (3)	2.2 (13)	1.6 (9)	1.0 (1)	3.0 (1)	
Dairy					1.0 (1)	2.3 (3)	2.0 (1)	1.7 (3)	
Sheep					2.6 (5)	1.5 (2)	3.0 (1)		
Goat		1.0 (1)			1.5 (2)			1.0 (1)	
Mpumalanga									
Balfour, Balfour Dierekliniek									
Beef: 1									
Grootvlei, Grootvlei Dierekliniek									
Beef: 2									
Middelburg , Middelburg Dierehospitaal									
Beef: 3									
Gauteng									
Bronkhorstspuit, Kerkstraat Dierekliniek									
Goat: 1									
Limpopo									
Bela-Bela, Warmbad Dierekliniek									
Beef: 1									
North West									
Klerksdorp, Klerksdorp Dierehospitaal									
Beef: 1									
Stella, Stella Dierekliniek									
Beef: 3									
Swartruggens, Swartruggens Veterinary Clinic									
Beef: 1									
Free State									
Bethlehem, Bethlehem Animal Hospital									
Beef: 2									
Bultfontein, Greylingrust Dieresprekkamer									
Beef: 2									
Clocolan, Clocolan Dierekliniek									
Beef: 2									

<b>Dewetsdorp, Platkop Dierekliniek</b>
Beef: 2
<b>Ficksburg, Oos Vrystaat Diere Produkte</b>
Goat: 2
<b>Frankfort, Frankfort Dierekliniek</b>
Beef: 2, Sheep: 3
<b>Harrismith, Harrismith Dierehospitaal</b>
Beef: 2, Sheep: 2, Goat: 1
<b>Hoopstad, Hoopstad Dierekliniek</b>
Beef: 3, Sheep: 3
<b>Kroonstad, Kroonstad Dierehospitaal</b>
Sheep: 3
<b>Ladybrand, Ladybrand / Excelsior Dierekliniek</b>
Beef: 2
<b>Memel, Memel Veterinary Clinic</b>
Beef: 3
<b>Reitz, Riemland Dierekliniek</b>
Beef: 2
<b>Viljoenskroon, Viljoenskroon Dierekliniek</b>
Beef: 2
<b>Villiers, Wilgepoort Dierekliniek Vennootskap</b>
Beef: 3, Sheep: 2
<b>Vrede, Vrede Dierehospitaal</b>
Beef: 1, Dairy: 1
<b>Kwazulu-Natal</b>
<b>Bergville, Bergville Veterinary Clinic</b>
Beef: 2
<b>Bergville, Tugela Vet Clinic</b>
Beef: 1
<b>Dundee, Mpati Veterinary Clinic</b>
Beef: 1
<b>Estcourt, Estcourt Vet Clinic</b>
Beef: 2, Dairy: 3
<b>Kokstad, E.G.Veterinary Services</b>
Beef: 2, Dairy: 2
<b>Mooi River, Mooirivier Vet Clinic</b>
Dairy: 2, Sheep: 1
<b>Mtubatuba, Mtubatuba Animal Clinic</b>
Beef: 1
<b>Newcastle, Ncanduvet Newcastle</b>
Beef: 2
<b>Pongola, Pongola Animal Clinic</b>
Beef: 1
Low rainfall, severe drought conditions
<b>Underberg, Underberg Veterinary Surgery</b>
Beef: 2, Sheep: 2
<b>Eastern Cape</b>
<b>Humansdorp, Humansdorp Veterinary Clinic</b>
Dairy: 2
<b>Middelburg (EC), Steynsburg Dierehospitaal</b>
Sheep: 3
<b>Queenstown, Queenstown Veterinary clinic</b>
Beef: 1
<b>Western Cape</b>

<b>Beaufort West, Beaufort West State Vet</b>									
Goat: 1									
<i>Brucella melitensis</i> . 10% plus abortion rate									
<b>Darling, Darling Dierekliniek</b>									
Dairy: 2									
IBR abortions, 7 within one month. Bought heifers a few months before. Own cattle were not vaccinated.									
<b>Malmesbury, Dr Otto Kriek</b>									
Beef: 3									
<b>Stellenbosch, Provincial Veterinary Laboratory</b>									
Dairy: 1									
Paarl area: <i>Trueperella pyogenes</i> was isolated from stomach content and lung samples from an aborted foetus.									
<b>Swellendam, Swellendam Dierehospitaal</b>									
Dairy: 2									
<b>Stillbirths</b>									<a href="#">^</a>
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>					2.2 (6)	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									
<b>Beef</b>					2.3 (3)	2.0 (1)			
<b>Dairy</b>								2.0 (1)	
<b>Sheep</b>					2.0 (3)				
<b>Free State</b>									
<b>Clocolan, Clocolan Dierekliniek</b>									
Beef: 2									
<b>Hoopstad, Hoopstad Dierekliniek</b>									
Beef: 3, Sheep: 3									
<b>Kroonstad, Kroonstad Dierehospitaal</b>									
Sheep: 2									
<b>Villiers, Wilgepoort Dierekliniek Vennootskap</b>									
Beef: 2									
<b>Wesselsbron, Wesselsbron Dierekliniek</b>									
Sheep: 1									
<b>Kwazulu-Natal</b>									
<b>Bergville, Bergville Veterinary Clinic</b>									
Beef: 2									
<b>Western Cape</b>									
<b>Caledon, Overberg Veterinary Hospital</b>									
Dairy: 2									
<b>Abscesses</b>									<a href="#">^</a>
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
<b>Average</b>	2.0 (1)	1.0 (1)		1.0 (1)	1.8 (9)	1.6 (5)	2.5 (4)	1.0 (1)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
<b>Beef</b>	2.0 (1)			1.0 (1)	1.8 (5)	1.0 (2)			

Dairy				1.0 (1)				1.0 (1)	
Sheep				2.0 (2)	2.0 (1)	2.5 (2)			
Goat		1.0 (1)		2.0 (1)	2.0 (2)	2.5 (2)			
<b>Mpumalanga</b>									
<b>Grootvlei, Grootvlei Dierekliniek</b>									
Beef: 2									
<b>Gauteng</b>									
<b>Bronkhorstspuit, Kerkstraat Dierekliniek</b>									
Goat: 1									
<b>North West</b>									
<b>Swartruggens, Swartruggens Veterinary Clinic</b>									
Beef: 1									
<b>Free State</b>									
<b>Bothaville, Cape Cross Bothaville Veterinary Hospital</b>									
Beef: 2									
<b>Bultfontein, Greylingrust Dieresprekkamer</b>									
Beef: 1, Dairy: 1									
<b>Clocolan, Clocolan Dierekliniek</b>									
Beef: 1									
<b>Ficksburg, Oos Vrystaat Diere Produkte</b>									
Goat: 2									
<b>Hoopstad, Hoopstad Dierekliniek</b>									
Beef: 3, Sheep: 3									
<b>Ladybrand, Ladybrand / Excelsior Dierekliniek</b>									
Beef: 2									
<b>Memel, Memel Veterinary Clinic</b>									
Sheep: 1									
<b>Kwazulu-Natal</b>									
<b>Bergville, Tugela Vet Clinic</b>									
Beef: 1									
<b>Estcourt, Estcourt Vet Clinic</b>									
Goat: 2									
<b>Mooi River, Mooirivier Vet Clinic</b>									
Beef: 1									
<b>Newcastle, Ncanduvet Newcastle</b>									
Sheep: 2, Goat: 2									
<b>Eastern Cape</b>									
<b>Graaff-Reinet, Graaff Reinet Veterinary Clinic</b>									
Sheep: 2, Goat: 2									
<b>Middelburg (EC), Steynsburg Dierehospitaal</b>									
Sheep: 3									
Abscesses and udder abscesses									
Goat: 3									
Udder abscesses									
<b>Western Cape</b>									
<b>Stellenbosch, Stellenbosch Animal Hospital</b>									
Dairy: 1									
<b>Abscesses in general</b>									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape



	<b>North West</b>
	<b>Ventersdorp, Buffelsvlei Dierekliniek</b>
	Beef: 1
	<b>Free State</b>
	<b>Ficksburg, Oos Vrystaat Diere Produkte</b>
	Beef: 2
	<b>Hoopstad, Hoopstad Dierekliniek</b>
	Beef: 3, Sheep: 3
	<b>Wesselsbron, Wesselsbron Dierekliniek</b>
	Beef: 1
	<b>Kwazulu-Natal</b>
	<b>Mtubatuba, Mtubatuba Animal Clinic</b>
	Beef: 2, Goat: 2
	<b>Pongola, Pongola Animal Clinic</b>
	Beef: 1
	<b>Western Cape</b>
	<b>Caledon, Overberg Veterinary Hospital</b>
	Dairy: 2, Sheep: 2
	<b>Malmesbury, Dr Otto Kriek</b>
	Beef: 2

Bladder stones									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average					1.8 (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		
<b>Beef</b>	1.0 (1)	
<b>Sheep</b>	2.0 (4)	1.0 (1)

<b>Free State</b>
<b>Clocolan, Clocolan Dierekliniek</b>
Beef: 1
<b>Frankfort, Frankfort Dierekliniek</b>
Sheep: 3
<b>Hoopstad, Hoopstad Dierekliniek</b>
Sheep: 1
<b>Kroonstad, Kroonstad Dierehospitaal</b>
Sheep: 2
<b>Ladybrand, Ladybrand / Excelsior Dierekliniek</b>
Sheep: 2
<b>Western Cape</b>
<b>Beaufort West. Beaufort West State Vet</b>

Sheep: 1									
Stud ram permanently receiving feed cubes									
Blindness									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average					2.0 (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 (2)	1.0 (1)			
Sheep					2.0 (1)	1.0 (1)			
Goat						1.0 (1)			
Free State									
Harrismith, Harrismith Dierehospitaal									
Beef: 2, Sheep: 2									
Kroonstad, Kroonstad Dierehospitaal									
Beef: 2									
Kwazulu-Natal									
Estcourt, Estcourt Vet Clinic									
Sheep: 1, Goat: 1									
Mtubatuba, Mtubatuba Animal Clinic									
Beef: 1									
Bloat									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average					2.0 (10)	2.0 (2)		2.5 (2)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef					1.8 (6)				
Dairy						2.0 (1)			
Sheep					2.3 (4)			2.5 (2)	
Goat						2.0 (1)			
Free State									
Ficksburg, Oos Vrystaat Diere Produkte									
Beef: 1									
Frankfort, Frankfort Dierekliniek									
Beef: 1, Sheep: 2									
Hoopstad, Hoopstad Dierekliniek									
Beef: 3, Sheep: 3									
Ladybrand, Ladybrand / Excelsior Dierekliniek									
Beef: 2									
Reitz, Riemland Dierekliniek									
Beef: 2									
Villiers, Wilgepoort Dierekliniek Vennootskap									
Beef: 2, Sheep: 2									

Zastron, Zastron Direklinik									
Sheep: 2									
Kwazulu-Natal									
Mooi River, Mooirivier Vet Clinic									
Dairy: 2									
Mtubatuba, Mtubatuba Animal Clinic									
Goat: 2									
Western Cape									
Caledon, Overberg Veterinary Hospital									
Sheep: 2									
Oudtshoorn, Ostrimed									
Sheep: 3									
Allocation for flood irrigation – suddenly small amounts of highly nutritious feed available									
Blood gut (sheep and goat)									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average					2.0 (1)				
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Sheep					2.0 (1)				
Free State									
Clocolan, Clocolan Direklinik									
Sheep: 2									
Blue udder									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average				3.0 (1)	1.8 (4)		1.0 (1)	2.0 (1)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Sheep				3.0 (1)	1.8 (4)		1.0 (1)	2.0 (1)	
North West									
Schweizer-Reneke, NJ Heyns									
Sheep: 3									
Free State									
Clocolan, Clocolan Direklinik									
Sheep: 2									
Kroonstad, Kroonstad Direhospitaal									
Sheep: 2									
Ladybrand, Ladybrand / Excelsior Direklinik									
Sheep: 1									
Vrede, Vrede Direhospitaal									
Sheep: 2									
Eastern Cape									
Middelburg (EC), Steynsburg Direhospitaal									
Sheep: 1									
Western Cape									

Darling, Darling Dierekliniek									
Sheep: 2									
Diarrhoea									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.5 (2)	1.5 (2)		3.0 (2)	2.1 (15)	2.3 (6)		3.0 (1)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef	1.5 (2)	2.0 (1)		3.0 (1)	1.9 (8)	2.0 (1)		3.0 (1)	
Dairy					2.0 (3)	3.0 (1)			
Sheep				3.0 (1)	2.8 (4)	3.0 (1)			
Goat		1.0 (1)				2.0 (3)			
Mpumalanga									
Balfour, Balfour Dierekliniek									
Beef: 1									
Grootvlei, Grootvlei Dierekliniek									
Beef: 2									
Gauteng									
Bapsfontein, Bapsfontein Dierehospitaal									
Beef: 2									
Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic									
Goat: 1									
North West									
Christiana, Christiana Dierehospitaal									
Beef: 3, Sheep: 3									
Free State									
Bothaville, Cape Cross Bothaville Veterinary Hospital									
Beef: 2									
One cow died from Sunflower seeds engorgement, rest of group had severe diarrhoea. Removed from stover land and gave roughage and diarrhoea stopped in group.									
Bultfontein, Greylingrust Dieresprekkamer									
Beef: 2, Dairy: 2, Sheep: 3									
Clocolan, Clocolan Dierekliniek									
Beef: 2, Dairy: 2, Sheep: 2									
Ficksburg, Oos Vrystaat Diere Produkte									
Dairy: 2									
Harrismith, Harrismith Dierehospitaal									
Beef: 2									
Hoopstad, Hoopstad Dierekliniek									
Sheep: 3									
Kroonstad, Kroonstad Dierehospitaal									
Sheep: 3									
Memel, Memel Veterinary Clinic									
Beef: 1									
Reitz, Riemland Dierekliniek									
Beef: 2									
Villiers, Wilgepoort Dierekliniek Vennootskap									
Beef: 2									
Vrede, Vrede Dierehospitaal									

Beef: 2									
Kwazulu-Natal									
Bergville, Tugela Vet Clinic									
Goat: 1									
Estcourt, Estcourt Vet Clinic									
Sheep: 3, Goat: 3									
Mooi River, Mooirivier Vet Clinic									
Dairy: 3									
Mtubatuba, Mtubatuba Animal Clinic									
Beef: 2, Goat: 2									
Western Cape									
Darling, Darling Dierekliniek									
Beef: 3									
Calf mortalities due to insufficient intake of colostrum									
Eye Cancer									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average					1.6 (7)	1.5 (4)	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					1.4 (5)	1.0 (2)		1.0 (1)	
Dairy					2.0 (2)	2.0 (2)	1.0 (1)		
Free State									
Bothaville, Cape Cross Bothaville Veterinary Hospital									
Beef: 1									
Clocolan, Clocolan Dierekliniek									
Beef: 1, Dairy: 2									
Frankfort, Frankfort Dierekliniek									
Beef: 3									
Ladybrand, Ladybrand / Excelsior Dierekliniek									
Beef: 1									
Reitz, Riemland Dierekliniek									
Beef: 1, Dairy: 2									
Kwazulu-Natal									
Bergville, Bergville Veterinary Clinic									
Beef: 1									
Estcourt, Estcourt Vet Clinic									
Dairy: 2									
Mtubatuba, Mtubatuba Animal Clinic									
Beef: 1									
Underberg, Underberg Veterinary Surgery									
Dairy: 2									
Carcinoma of the nictitating membrane (third eye lid) - left untreated - severe pathology and culling.									
Eastern Cape									
Humansdorp, Humansdorp Veterinary Clinic									
Dairy: 1									
Western Cape									
Stellenbosch, Stellenbosch Animal Hospital									
Beef: 1									

Eye infections									<a href="#">^</a>
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (4)	1.7 (7)		2.5 (2)	1.8 (10)	2.1 (14)	1.8 (5)	2.0 (1)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef	1.0 (2)	1.3 (3)		2.5 (2)	1.8 (5)	2.0 (6)	1.5 (2)	2.0 (1)	
Dairy					2.0 (1)	2.5 (2)			
Sheep	1.0 (1)	2.5 (2)			1.8 (4)	2.0 (3)	2.0 (3)		
Goat	1.0 (1)	1.5 (2)				2.0 (3)			
Mpumalanga									
Balfour, Balfour Dierekliniek									
Beef: 1, Sheep: 1, Goat: 1									
Grootvlei, Grootvlei Dierekliniek									
Beef: 1									
Gauteng									
Bapsfontein, Bapsfontein Dierehospitaal									
Beef: 2, Sheep: 2, Goat: 2									
Bronkhorstspuit, Kerkstraat Dierekliniek									
Beef: 1									
Pretoria, Anima Veterinary Consulting Rooms									
Sheep: 3									
Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic									
Beef: 1, Goat: 1									
North West									
Christiana, Christiana Dierehospitaal									
Beef: 3									
Klerksdorp, Klerksdorp Dierehospitaal									
Beef: 2									
Free State									
Bultfontein, Greylingrust Dieresprekkamer									
Beef: 1									
Clocolan, Clocolan Dierekliniek									
Beef: 2, Dairy: 2									
Frankfort, Frankfort Dierekliniek									
Beef: 3, Sheep: 3									
Harrismith, Harrismith Dierehospitaal									
Beef: 2, Sheep: 2									
Memel, Memel Veterinary Clinic									
Sheep: 1									
Viljoenskroon, Viljoenskroon Dierekliniek									
Beef: 1, Sheep: 1									
Kwazulu-Natal									
Bergville, Bergville Veterinary Clinic									
Beef: 2									
Bergville, Tugela Vet Clinic									
Beef: 2, Sheep: 2, Goat: 2									
Estcourt, Estcourt Vet Clinic									
Dairy: 2, Sheep: 2, Goat: 2									

<b>Mooi River, Moorivier Vet Clinic</b> Beef: 2									
<b>Mtubatuba, Mtubatuba Animal Clinic</b> Beef: 2, Goat: 2									
<b>Newcastle, Ncanduvet Newcastle</b> Beef: 2, Sheep: 2									
<b>Pietermaritzburg, Richmond Veterinay Clinic</b> Beef: 2									
<b>Underberg, Underberg Veterinary Surgery</b> Dairy: 3									
<b>Eastern Cape</b>									
<b>Aliwal North, Uitspan C Troskie</b> Beef: 2									
<b>Graaff-Reinet, Graaff Reinet Veterinary Clinic</b> Sheep: 2									
<b>Middelburg (EC), Steynsburg Dierehospitaal</b> Sheep: 3									
<b>Queenstown, Queenstown Veterinary clinic</b> Beef: 1, Sheep: 1									
<b>Western Cape</b>									
<b>Stellenbosch, Stellenbosch Animal Hospital</b> Beef: 2									
Joint III									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)			1.0 (1)	1.0 (1)			1.0 (2)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef	1.0 (1)				1.0 (1)				
Dairy								1.0 (1)	
Sheep				1.0 (1)					
Goat								1.0 (1)	
<b>Mpumalanga</b>									
<b>Balfour, Balfour Dierekliniek</b> Beef: 1									
<b>North West</b>									
<b>Swartruggens, Swartruggens Veterinary Clinic</b> Sheep: 1									
<b>Free State</b>									
<b>Ladybrand, Ladybrand / Excelsior Dierekliniek</b> Beef: 1									
<b>Western Cape</b>									
<b>Beaufort West, Beaufort West State Vet</b> Goat: 1									
Three week old lambs, kraaled when ewes leave to graze - 10% incidence									
<b>Stellenbosch, Stellenbosch Animal Hospital</b> Dairy: 1									
Lameness/Foot Problems									

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

**Graaff-Reinet, Graaff Reinet Veterinary Clinic**  
Sheep: 2, Goat: 2



Malmesbury, Dr Otto Kriek									
Beef: 3									
Swellendam, Swellendam Dierehospitaal									
Dairy: 2									
Lung infection									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.3 (6)	1.8 (6)		2.5 (8)	2.3 (21)	2.4 (12)	1.8 (4)	1.3 (3)	3.0 (2)
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef	2.3 (6)	2.0 (2)		2.5 (6)	2.3 (12)	2.7 (6)	2.0 (1)		3.0 (1)
Dairy		1.0 (1)			2.0 (2)	3.0 (1)	2.0 (2)	1.0 (2)	
Sheep		2.0 (3)		2.5 (2)	2.3 (7)	2.0 (3)	1.0 (1)	2.0 (1)	3.0 (1)
Goat						2.0 (2)			
Mpumalanga									
Balfour, Balfour Dierekliniek									
Beef: 2									
Ermelo, Môregloed Veterinêre Spreekkamer									
Beef: 3									
Pneumonia on more than 3 farms.									
Grootvlei, Grootvlei Dierekliniek									
Beef: 2									
Lydenburg, Lydenburg Dierespreekkamer									
Beef: 1									
Middelburg , Middelburg Dierehospitaal									
Beef: 3									
Standerton, Econovet									
Beef: 3									
Gauteng									
Bapsfontein, Bapsfontein Dierehospitaal									
Beef: 3, Sheep: 2									
Bronkhorstspuit, Kerkstraat Dierekliniek									
Beef: 1, Sheep: 2									
Nigel, Welgelegen Dierekliniek									
Dairy: 1									
Pretoria, Anima Veterinary Consulting Rooms									
Sheep: 2									
North West									
Christiana, Christiana Dierehospitaal									
Beef: 3									
Bovine respiratory syncytial virus. Acute deaths in calves from 3-10 months. Allergic reaction. Treatment with antihistamine, cortisone and florfenikol helped in cases of early treatment. Cases reported on 5 farms.									
Klerksdorp, Klerksdorp Dierehospitaal									
Beef: 2, Sheep: 2									
Leeudoringstad, Leeudoringstad Dierekliniek									
Beef: 3, Sheep: 3									
Schweizer-Reneke, NJ Heyns									
Beef: 2									

<b>Ventersdorp, Buffelsvlei Dierekliniek</b>
Beef: 2
<b>Vryburg, Vryburg Dierehospitaal</b>
Beef: 3
Numerous cases even in cattle that were vaccinated. In feedlot as well as cattle on veld.
<b>Free State</b>
<b>Bothaville, Cape Cross Bothaville Veterinary Hospital</b>
Beef: 2, Dairy: 2
<b>Bultfontein, Greylingrust Dieresprekkamer</b>
Beef: 2, Sheep: 3
<b>Clocolan, Clocolan Dierekliniek</b>
Beef: 2, Dairy: 2, Sheep: 2
<b>Dewetsdorp, Platkop Dierekliniek</b>
Sheep: 1
<b>Ficksburg, Oos Vrystaat Diere Produkte</b>
Beef: 2
<b>Frankfort, Frankfort Dierekliniek</b>
Beef: 3
<b>Harrismith, Harrismith Dierehospitaal</b>
Beef: 3, Sheep: 3
<b>Kroonstad, Kroonstad Dierehospitaal</b>
Beef: 2
<b>Memel, Memel Veterinary Clinic</b>
Beef: 3
<b>Reitz, Riemland Dierekliniek</b>
Beef: 2, Sheep: 2
<b>Viljoenskroon, Viljoenskroon Dierekliniek</b>
Beef: 2
<b>Villiers, Wilgepoort Dierekliniek Vennootskap</b>
Beef: 3, Sheep: 3
<b>Vrede, Vrede Dierehospitaal</b>
Beef: 2, Sheep: 2
<b>Kwazulu-Natal</b>
<b>Bergville, Bergville Veterinary Clinic</b>
Beef: 3
<b>Bergville, Tugela Vet Clinic</b>
Beef: 2, Sheep: 2, Goat: 2
<b>Dundee, Endumeni Herd health</b>
Beef: 3, Sheep: 3
<b>Estcourt, Estcourt Vet Clinic</b>
Beef: 3
<b>Mooi River, Mooirivier Vet Clinic</b>
Dairy: 3
<b>Mtubatuba, Mtubatuba Animal Clinic</b>
Beef: 2, Goat: 2
<b>Newcastle, Ncanduvet Newcastle</b>
Sheep: 1
<b>Pietermaritzburg, Richmond Veterinary Clinic</b>
Beef: 3
<b>Eastern Cape</b>
<b>Alexandria, Dr Thys (MJ) Potgieter</b>
Dairy: 2
Jersey calves
<b>Aliwal North, Uitspan C Troskie</b>

Beef: 2									
Humansdorp, Humansdorp Veterinary Clinic									
Dairy: 2									
Middelburg (EC), Steynsburg Dierehospitaal									
Sheep: 1									
Western Cape									
Beaufort West, Beaufort West State Vet									
Sheep: 2									
George, George Animal Hospital									
Dairy: 1									
Pasteurella									
Swellendam, Swellendam Dierehospitaal									
Dairy: 1									
Northern Cape									
Kuruman, Kuruman Dierekliniek									
Beef: 3, Sheep: 3									
Mastitis in general									▶
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)				1.8 (4)	1.6 (5)		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)				1.0 (1)	1.5 (2)		3.0 (1)	
Dairy					2.0 (3)	3.0 (1)		2.5 (2)	
Sheep						1.0 (1)			
Goat						1.0 (1)			
Mpumalanga									
Balfour, Balfour Dierekliniek									
Beef: 1									
Free State									
Bethlehem, Bethlehem Animal Hospital									
Dairy: 2									
Bultfontein, Greylingrust Dieresprekkamer									
Dairy: 2									
Clocolan, Clocolan Dierekliniek									
Dairy: 2									
Wesselsbron, Wesselsbron Dierekliniek									
Beef: 1									
Kwazulu-Natal									
Bergville, Tugela Vet Clinic									
Sheep: 1									
Estcourt, Estcourt Vet Clinic									
Dairy: 3									
Mtubatuba, Mtubatuba Animal Clinic									
Beef: 2, Goat: 1									
Newcastle, Ncanduvet Newcastle									
Beef: 1									
Western Cape									
Malmesbury, Dr Otto Kriek									
Beef: 3									

*Klebsiella pneumoniae* was the main cause on one property, Protocols to “disinfect” the caudal third of the sleeping bays of dairy cows should not be changed if one doesn’t want an escalation of mastitis cases. Interesting is the fact that although “clean” sand for bedding is placed in the sleeping quarters, contamination is extremely rapid due to the fact that there are so many carriers of this bacterium. Obviously workers that consume unpasteurised milk from contaminated/infected cows are subjected to picking up *Klebsiella pneumoniae*

#### Stellenbosch, Stellenbosch Animal Hospital

Dairy: 2

#### Swellendam, Swellendam Dierehospitaal

Dairy: 3

### Navel III



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

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)		

#### Kwazulu-Natal

##### Dundee, Endumeni Herd health

Beef: 1

#### Eastern Cape

##### Queenstown, Queenstown Veterinary clinic

Sheep: 1

### Redgut (Sheep)



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

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

Sheep					2.0 (1)				
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#### Free State

##### Clocolan, Clocolan Dierekliniek

Sheep: 2

### Trauma





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

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

Beef		2.0 (1)							
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#### Gauteng

##### Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 2									
Fractures B2; Traumatic pericarditis (wire)B 1									
<b>Downer</b>									
<b>PROVINCE</b>	<b>Mpumalanga</b>	<b>Gauteng</b>	<b>Limpopo</b>	<b>North West</b>	<b>Free State</b>	<b>Kwazulu-Natal</b>	<b>Eastern Cape</b>	<b>Western Cape</b>	<b>Northern Cape</b>
<b>Average</b>	1.0 (1)	1.0 (2)			1.3 (6)	1.5 (2)		2.5 (2)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
<b>Beef</b>	1.0 (1)	1.0 (2)			1.2 (5)	1.5 (2)		2.5 (2)	
<b>Dairy</b>					2.0 (1)				
<b>Mpumalanga</b>									
<b>Grootvlei, Grootvlei Dierekliniek</b>									
Beef: 1									
<b>Gauteng</b>									
<b>Bronkhorstspuit, Kerkstraat Dierekliniek</b>									
Beef: 1									
<b>Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic</b>									
Beef: 1									
<b>Free State</b>									
<b>Clocolan, Clocolan Dierekliniek</b>									
Beef: 2, Dairy: 2									
<b>Ficksburg, Oos Vrystaat Diere Produkte</b>									
Beef: 1									
<b>Villiers, Wilgepoort Dierekliniek Vennootskap</b>									
Beef: 1									
<b>Vrede, Vrede Dierehospitaal</b>									
Beef: 1									
<b>Zastron, Zastron Dierekliniek</b>									
Beef: 1									
<b>Kwazulu-Natal</b>									
<b>Bergville, Bergville Veterinary Clinic</b>									
Beef: 1									
<b>Estcourt, Estcourt Vet Clinic</b>									
Beef: 2									
<b>Western Cape</b>									
<b>Stellenbosch, Stellenbosch Animal Hospital</b>									
Beef: 2									
<b>Vredenburg, Vredenburg Dierehospitaal</b>									
Beef: 3									
Cows stay down after calving, in poor condition									
<b>Metabolic Diseases</b>									
<b>Acidosis</b>									
<b>PROVINCE</b>	<b>Mpumalanga</b>	<b>Gauteng</b>	<b>Limpopo</b>	<b>North West</b>	<b>Free State</b>	<b>Kwazulu-Natal</b>	<b>Eastern Cape</b>	<b>Western Cape</b>	<b>Northern Cape</b>
<b>Average</b>	2.3 (4)			2.0 (2)	2.2 (12)	1.5 (2)		2.0 (2)	

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

<b>Beef</b>	2.5 (2)		2.0 (1)	2.2 (5)		3.0 (1)
<b>Sheep</b>	2.0 (2)		2.0 (1)	2.1 (7)	2.0 (1)	1.0 (1)
<b>Goat</b>					1.0 (1)	

### **Mpumalanga**

#### **Bethal, Bethal Dierekliniek**

Beef: 2, Sheep: 1

#### **Standerton, Econovet**

Beef: 3

Reported by farmers

Sheep: 3

Reported by farmers

### **North West**

#### **Leeudoringstad, Leeudoringstad Dierekliniek**

Sheep: 2

Sheep grazing in maize fields

#### **Schweizer-Reneke, NJ Heyns**

Beef: 2

Maize fields

### **Free State**

#### **Dewetsdorp, Platkop Dierekliniek**

Sheep: 2

#### **Ficksburg, Oos Vrystaat Diere Produkte**

Sheep: 2

#### **Frankfort, Frankfort Dierekliniek**

Beef: 2, Sheep: 2

#### **Hoopstad, Hoopstad Dierekliniek**

Beef: 3, Sheep: 3

#### **Reitz, Riemland Dierekliniek**

Beef: 3, Sheep: 2

#### **Villiers, Wilgepoort Dierekliniek Vennootskap**

Beef: 2, Sheep: 2

#### **Vrede, Vrede Dierehospitaal**

Beef: 1, Sheep: 2

### **Kwazulu-Natal**

#### **Estcourt, Estcourt Vet Clinic**

Sheep: 2

#### **Mtubatuba, Mtubatuba Animal Clinic**

Goat: 1

### **Western Cape**

#### **Beaufort West, Beaufort West State Vet**

Sheep: 1

Small scale farmer - gave additional maize meal to poor condition animals

#### **Malmesbury, Dr Otto Kriek**

Beef: 3

Acute death and sick animals were reported and necropsy revealed acute rumen acidosis. On investigation it was discovered that although the ration was 100% correct, the problem occurred due to the fact that the TMR was not mixed thoroughly enough.

## **Displaced abomasum**



PROVINCE	Mpumalanga	Gauteng	Limpopo	North	Free	Kwazulu-	Eastern	Western	Northern
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				West	State	Natal	Cape	Cape	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									
Dairy					2.0 (1)	2.0 (1)		2.0 (1)	
Free State									
Kroonstad, Kroonstad Dierehospitaal									
Dairy: 2									
Kwazulu-Natal									
Estcourt, Estcourt Vet Clinic									
Dairy: 2									
Western Cape									
Darling, Darling Direklyniek									
Dairy: 2									
Left displaced abomasum - overcrowding of stem up groups - too small feed bunk space									
Ketosis									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average		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									
Beef		2.0 (1)							
Dairy					2.0 (1)				
Sheep					2.5 (2)			1.0 (1)	2.0 (1)
Goat		1.0 (1)							
Gauteng									
Bapsfontein, Bapsfontein Dierehospitaal									
Goat: 1									
Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic									
Beef: 2									
Free State									
Hoopstad, Hoopstad Direklyniek									
Sheep: 3									
Villiers, Wilgepoort Direklyniek Vennootskap									
Sheep: 2									
Zastron, Zastron Direklyniek									
Dairy: 2									
Western Cape									
Caledon, Overberg Veterinary Hospital									
Sheep: 1									
Northern Cape									
Calvinia, Calvinia Veeartsklyniek									
Sheep: 2									
Milk Fever									

Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported					
<b>Beef</b>		2.0 (1)			
<b>Dairy</b>	2.0 (1)	1.7 (3)	2.0 (1)	2.0 (1)	2.0 (1)
<b>Sheep</b>		2.0 (1)			

<b>Mpumalanga</b>
<b>Grootvlei, Grootvlei Dierekliniek</b>
Dairy: 2
<b>Free State</b>
<b>Clocolan, Clocolan Dierekliniek</b>
Dairy: 1
<b>Ficksburg, Oos Vrystaat Diere Produkte</b>
Dairy: 2
<b>Reitz, Riemland Dierekliniek</b>
Beef: 2
<b>Villiers, Wilgepoort Dierekliniek Vennootskap</b>
Sheep: 2
<b>Zastron, Zastron Dierekliniek</b>
Dairy: 2
<b>Kwazulu-Natal</b>
<b>Estcourt, Estcourt Vet Clinic</b>
Dairy: 2
<b>Eastern Cape</b>
<b>Humansdorp, Humansdorp Veterinary Clinic</b>
Dairy: 2
<b>Western Cape</b>
<b>Caledon, Overberg Veterinary Hospital</b>
Dairy: 2

Dystocia (Difficult Births)	^
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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									
<b>Beef</b>	1.8 (6)	1.0 (3)	2.0 (1)	2.3 (3)	2.0 (12)	1.9 (8)	1.0 (1)	2.3 (3)	1.5 (2)
<b>Dairy</b>	2.0 (1)				2.0 (3)	2.0 (2)	2.0 (2)	1.3 (3)	
<b>Sheep</b>	1.0 (1)	2.5 (2)			2.0 (7)	2.0 (1)			2.0 (1)
<b>Goat</b>		1.0 (1)	2.0 (1)		2.0 (1)				

**Mpumalanga**  
**Balfour, Balfour Dierekliniek**



Beef: 1
<b>Bethal, Bethal Dierekliniek</b>
Beef: 2, Sheep: 1
<b>Grootvlei, Grootvlei Dierekliniek</b>
Beef: 2, Dairy: 2
<b>Lydenburg, Lydenburg Dieresprekkamer</b>
Beef: 2
<b>Middelburg , Middelburg Dierehospitaal</b>
Beef: 3
<b>Piet Retief, Pets Vet Hospital</b>
Beef: 1
<b>Gauteng</b>
<b>Bapsfontein, Bapsfontein Dierehospitaal</b>
Sheep: 2
<b>Bronkhorstspuit, Kerkstraat Dierekliniek</b>
Beef: 1
<b>Pretoria, Anima Veterinary Consulting Rooms</b>
Beef: 1
<b>Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic</b>
Beef: 1, Sheep: 3, Goat: 1
<b>Limpopo</b>
<b>Mokopane, Dr Henk Visser</b>
Beef: 2, Goat: 2
<b>North West</b>
<b>Christiana, Christiana Dierehospitaal</b>
Beef: 3
<b>Schweizer-Reneke, NJ Heyns</b>
Beef: 2
<b>Ventersdorp, Buffelsvlei Dierekliniek</b>
Beef: 2
<b>Free State</b>
<b>Bethlehem, Bethlehem Animal Hospital</b>
Beef: 2, Sheep: 2
<b>Bothaville, Cape Cross Bothaville Veterinary Hospital</b>
Beef: 2
<b>Clocolan, Clocolan Dierekliniek</b>
Beef: 2
<b>Ficksburg, Oos Vrystaat Diere Produkte</b>
Dairy: 2, Sheep: 2, Goat: 2
<b>Frankfort, Frankfort Dierekliniek</b>
Beef: 2
<b>Harrismith, Harrismith Dierehospitaal</b>
Beef: 2
<b>Hoopstad, Hoopstad Dierekliniek</b>
Beef: 3, Sheep: 3
<b>Kroonstad, Kroonstad Dierehospitaal</b>
Beef: 2, Dairy: 2
<b>Ladybrand, Ladybrand / Excelsior Dierekliniek</b>
Sheep: 1
<b>Memel, Memel Veterinary Clinic</b>
Beef: 2
<b>Reitz, Riemland Dierekliniek</b>
Beef: 2, Dairy: 2, Sheep: 2
<b>Viljoenskroon, Viljoenskroon Dierekliniek</b>

Beef: 1
<b>Villiers, Wilgepoort Dierekliniek Vennootskap</b>
Beef: 2, Sheep: 2
<b>Vrede, Vrede Dierehospitaal</b>
Beef: 2
<b>Wesselsbron, Wesselsbron Dierekliniek</b>
Sheep: 2
<b>Kwazulu-Natal</b>
<b>Bergville, Bergville Veterinary Clinic</b>
Beef: 2
<b>Bergville, Tugela Vet Clinic</b>
Beef: 2
<b>Dundee, Endumeni Herd health</b>
Beef: 2
<b>Estcourt, Estcourt Vet Clinic</b>
Beef: 2, Dairy: 2
<b>Greytown, Greytown Veterinary Hospital</b>
Beef: 2
<b>Mooi River, Mooirivier Vet Clinic</b>
Dairy: 2
<b>Mtubatuba, Mtubatuba Animal Clinic</b>
Beef: 2
<b>Newcastle, Ncanduvet Newcastle</b>
Beef: 2, Sheep: 2
<b>Pongola, Pongola Animal Clinic</b>
Beef: 1
<b>Eastern Cape</b>
<b>Alexandria, Dr Thys (MJ) Potgieter</b>
Dairy: 2
<b>Humansdorp, Humansdorp Veterinary Clinic</b>
Dairy: 2
<b>Uitenhage, Uitenhage Dierehospitaal</b>
Beef: 1
<b>Western Cape</b>
<b>Caledon, Overberg Veterinary Hospital</b>
Dairy: 2
<b>George, George Animal Hospital</b>
Dairy: 1
<b>Malmesbury, Dr Otto Kriek</b>
Beef: 2
<b>Oudtshoorn, Oudtshoorn Dierekliniek</b>
Beef: 3
<b>Stellenbosch, Stellenbosch Animal Hospital</b>
Beef: 2
<b>Swellendam, Swellendam Dierehospitaal</b>
Dairy: 1
<b>Northern Cape</b>
<b>Kathu, Kathu Dierekliniek</b>
Beef: 2, Sheep: 2
<b>Kimberley, Kimberley Dierekliniek</b>
Beef: 1
<b>Endometritis</b>

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					1.5 (2)				
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#### Free State

**Hoopstad, Hoopstad Dierekliniek**

Beef: 2

**Wesselsbron, Wesselsbron Dierekliniek**

Beef: 1

#### Metritis



PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
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Average	1.3 (3)	1.0 (1)	1.0 (1)		2.0 (1)	3.0 (1)		2.5 (2)	
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Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

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

**Balfour, Balfour Dierekliniek**

Beef: 1

**Grootvlei, Grootvlei Dierekliniek**

Beef: 1, Dairy: 2

#### Gauteng

**Pretoria, Anima Veterinary Consulting Rooms**

Sheep: 1

#### Limpopo

**Mokopane, Dr Henk Visser**

Sheep: 1

#### Free State

**Hoopstad, Hoopstad Dierekliniek**

Beef: 2

#### Kwazulu-Natal

**Underberg, Underberg Veterinary Surgery**

Dairy: 3

#### Western Cape

**Malmesbury, Dr Otto Kriek**

Beef: 2

**Swellendam, Swellendam Dierehospitaal**

Dairy: 3

#### Poor conception



PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
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Average	2.0 (3)		1.5 (2)	2.5 (11)	2.1 (8)	1.3 (3)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported							
Beef	2.0 (3)		1.0 (1)	2.5 (10)	2.0 (7)	1.3 (3)	
Dairy					3.0 (1)		
Sheep			2.0 (1)	2.0 (1)			
Mpumalanga							
Grootvlei, Grootvlei Dierekliniek							
Beef: 2							
Lydenburg, Lydenburg Dieresprekkamer							
Beef: 1							
Nelspruit, Nelspruit Animal Hospital							
Beef: 3							
All farms experienced lowered conception rates due to sub-average rainfall in previous summer months. Body condition score (BCS) severely affected.							
North West							
Christiana, Christiana Dierehospitaal							
Beef: 1							
Klerksdorp, Klerksdorp Dierehospitaal							
Sheep: 2							
Free State							
Bethlehem, Bethlehem Animal Hospital							
Beef: 2							
Bothaville, Cape Cross Bothaville Veterinary Hospital							
Beef: 2							
Clocolan, Clocolan Dierekliniek							
Beef: 3							
Dewetsdorp, Platkop Dierekliniek							
Beef: 2							
Frankfort, Frankfort Dierekliniek							
Beef: 3							
Harrismith, Harrismith Dierehospitaal							
Beef: 3							
Hoopstad, Hoopstad Dierekliniek							
Beef: 3							
Ladybrand, Ladybrand / Excelsior Dierekliniek							
Beef: 2							
Villiers, Wilgepoort Dierekliniek Vennootskap							
Beef: 2, Sheep: 2							
Zastron, Zastron Dierekliniek							
Beef: 3							
Kwazulu-Natal							
Bergville, Bergville Veterinary Clinic							
Beef: 2							
Bergville, Tugela Vet Clinic							
Beef: 1							
Dundee, Endumeni Herd health							
Beef: 2							
Estcourt, Estcourt Vet Clinic							
Beef: 3, Dairy: 3							

Mtubatuba, Mtubatuba Animal Clinic									
Beef: 2									
Pietermaritzburg, Richmond Veterinay Clinic									
Beef: 3									
Cows generally conceived late									
Pongola, Pongola Animal Clinic									
Beef: 1									
Nutritional									
Eastern Cape									
Aliwal North, Uitspan C Troskie									
Beef: 1									
Queenstown, Queenstown Veterinary clinic									
Beef: 2									
Uitenhage, Uitenhage Dierehospitaal									
Beef: 1									
Retained afterbirth									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)	1.0 (1)			1.8 (4)	1.5 (2)	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									
Beef	1.0 (1)	1.0 (1)			2.0 (2)	1.5 (2)		1.5 (2)	
Dairy					1.5 (2)		2.0 (1)	2.0 (1)	
Mpumalanga									
Grootvlei, Grootvlei Dierekliniek									
Beef: 1									
Gauteng									
Pretoria, Anima Veterinary Consulting Rooms									
Beef: 1									
Free State									
Clocolan, Clocolan Dierekliniek									
Beef: 1, Dairy: 2									
Hoopstad, Hoopstad Dierekliniek									
Beef: 3									
Ladybrand, Ladybrand / Excelsior Dierekliniek									
Dairy: 1									
Kwazulu-Natal									
Bergville, Bergville Veterinary Clinic									
Beef: 2									
Bergville, Tugela Vet Clinic									
Beef: 1									
Eastern Cape									
Humansdorp, Humansdorp Veterinary Clinic									
Dairy: 2									
Western Cape									
George, George Animal Hospital									
Beef: 1									
Malmesbury, Dr Otto Kriek									
Beef: 2									
Swellendam, Swellendam Dierehospitaal									



Villiers, Wilgepoort Direklyniek Vennootskap									
Beef: 2									
Vrede, Vrede Direehospitaal									
Beef: 1									
Kwazulu-Natal									
Bergville, Bergville Veterinary Clinic									
Beef: 2									
Estcourt, Estcourt Vet Clinic									
Dairy: 1									
Mooi River, Mooirivier Vet Clinic									
Beef: 2, Dairy: 2									
Western Cape									
Stellenbosch, Stellenbosch Animal Hospital									
Dairy: 1									
Vaginal (Cervical) prolaps									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (5)	1.3 (4)			1.7 (10)	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	2.0 (3)	1.3 (3)			1.7 (6)	1.8 (4)			
Dairy	2.0 (1)								
Sheep	2.0 (1)	1.0 (1)			1.8 (4)				
Mpumalanga									
Bethal, Bethal Direklyniek									
Beef: 2, Sheep: 2									
Grootvlei, Grootvlei Direklyniek									
Beef: 2, Dairy: 2									
Piet Retief, Pets Vet Hospital									
Beef: 2									
Gauteng									
Bapsfontein, Bapsfontein Direehospitaal									
Beef: 1									
Bronkhorstspuit, Kerkstraat Direklyniek									
Beef: 1									
Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic									
Beef: 2, Sheep: 1									
Free State									
Clocolan, Clocolan Direklyniek									
Beef: 1									
Ficksburg, Oos Vrystaat Diree Produkte									
Sheep: 1									
Frankfort, Frankfort Direklyniek									
Beef: 2									
Hoopstad, Hoopstad Direklyniek									
Beef: 1, Sheep: 3									
Ladybrand, Ladybrand / Excelsior Direklyniek									
Sheep: 1									
Villiers, Wilgepoort Direklyniek Vennootskap									

Beef: 2, Sheep: 2									
Vrede, Vrede Dierehospitaal									
Beef: 3									
Wesselsbron, Wesselsbron Dierekliniek									
Beef: 1									
Kwazulu-Natal									
Bergville, Bergville Veterinary Clinic									
Beef: 3									
Estcourt, Estcourt Vet Clinic									
Beef: 1									
Kokstad, E.G.Veterinary Services									
Beef: 1									
Mtubatuba, Mtubatuba Animal Clinic									
Beef: 2									
Climatical Cause									
Cold exposure									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average									2.0 (1)
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef									2.0 (1)
Northern Cape									
Calvinia, Calvinia Veeartskliniek									
Beef: 2									
Frozen to death									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average					2.0 (2)				3.0 (1)
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Sheep					2.0 (2)				
Goat									3.0 (1)
Free State									
Clocolan, Clocolan Dierekliniek									
Sheep: 3									
Wesselsbron, Wesselsbron Dierekliniek									
Sheep: 1									
Northern Cape									
Kuruman, Kuruman Dierekliniek									
Goat: 3									
Goat kids frozen to death - less than 3 days old.									
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)				
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					2.0 (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)					
Free State										
Bultfontein, Greylingsrust Dierespreekkamer										
Beef: 2										
Preditors										^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape	
Average					2.0 (1)	3.0 (1)	1.0 (1)			
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported										
Sheep					2.0 (1)	3.0 (1)	1.0 (1)			
Free State										
Villiers, Wilgepoort Direklyniek Vennootskap										
Sheep: 2										
Kwazulu-Natal										
Kokstad, E.G.Veterinary Services										
Sheep: 3										
Eastern Cape										
Middelburg (EC), Steynsburg Dierehospitaal										
Sheep: 1										
Dog bites										
Sabotation - Theft										^

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

Mpumalanga									
Nelspruit, Nelspruit Animal Hospital									
Beef: 3									
Many reports of cattle theft from different farms. One stud farmer had to sell his herd: not worth losing valuable registered animals through cattle theft and bush slaughter. Poor response from SAP.									
Free State									
Villiers, Wilgepoort Dierekliniek Vennootskap									
Sheep: 1									
Kwazulu-Natal									
Kokstad, E.G.Veterinary Services									
Sheep: 3									

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

Gauteng									
Bronkhorstspuit, Kerkstraat Dierekliniek									
Beef: 2									
Free State									
Villiers, Wilgepoort Dierekliniek Vennootskap									
Beef: 1									

The following practices had nothing to report.

Krugersdorp – Dr. Ryan Jeffery

Hertzogville – Dr. Nico Hendrikz

Camperdown – Dr. Anthony van Tonder

Pietermaritzburg – Dr. Rick Mapham

Heidelberg (WC) – Dr. Albert van Zyl

Plettenburg Bay – Dr. André Reitz

Alexandria – Dr. Johan Olivier

## **Other Species**

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

## **Horses**

### **Mpumalanga**

**Lydenburg – Drs.Trumpelmann and Steyn**

Resistant blue ticks, 1

### **Limpopo**

**Bela – Bela (Warmbath) –drs. Du Toit, Hansen, Bester and Herbst**

Equine biliary, 1

Colic, 1

### **Eastern Cape**

**Alexandria – dr. Thys Potgieter**

Screw-worm - 2

**Port Alfred – dr. Leon de Bruyn**

Equine biliary, 2

### **Northern Cape**

**Kimberley – Drs. Van Heerden, Swart and Smith**

Diarrhoea, 1

Lameness, 2

## **Game**

### **Limpopo**

**Bela – Bela (Warmbath) –Drs. Du Toit, Hansen, Bester and Herbst**

Internal parasites, young eland

Abscesses, 2 nyala and sable

Eye problems, 1 Nyala

Trauma, 1 Rhino with bullet wound in neck; neck injury, 1 nyala

**Makhado (Louis Trichardt) – Drs. Harris, Klopper and Jacobs**

Heartwater, 2 – springbuck

Capture myopathy, 2 impala

**Mokopane – Dr. Henk Visser**

Intestinal roundworms, 2  
Screw-worm , 1  
Lameness, 1  
Capture myopathy, 1

**Polokwane – Dr. Dario Cremona**

Intestinal roundworms, 3  
Pulpy kidney, 1  
Capture myopathy, 1

**Free State****Bethlehem – Dr. Wessel Strydom**

Capture myopathy, 2

**KwaZulu-Natal****Memel – Dr. Nixon**

Blackleg, 1

**Mkuze – Dr. Mike Toft****Pongola – Dr. Heinz Kohrs**

Heartwater ticks, 1  
Brown ear-ticks, 1  
Protein deficiency, 2 – severe drought conditions  
Energy deficiency, 2 – severe drought conditions

**Eastern Cape****Alexandria – Dr. Thys Potgieter**

Screw-worm , 2 – buffalo cut feet in fence wire  
Eye problems, 1 – nyala with suspected myiasis, treated with doramectin and recovered

**Cradock – Dr. Frans Erasmus**

Adaptation problem – Buffalo, 1 died

**Graaff-Reinet – Drs. Hobson, Strydom and Hennessey**

Intestinal roundworms –sable, 1  
Mycotoxins – sable, 1  
Pneumonia – sable, 1

**Port Alfred – Dr. Leon de Bruyn**

Theileriosis – sable calves, 2  
Coccidiosis – impala, 1  
Lacerations – buffalo cows, 2 feed trough aggression

**Middelburg, Steynsburg, Barkly East – Drs. Van Rooyen and Viljoen**

*Corynebacterium ovis* abscesses, 1

## Northern Cape

Kimberley – Drs. Van Heerden, Swart and Smith

Lung infection – roan, 2

*E. coli* diarrhea – sable bull, 1

Dystocia – nyala, 1

Lameness – sable, 1

Capture myopathy – bontebok, 2; nyala, 1

Trauma – copper springbuck, 1, fatal attack by dogs

Ruptured penis – sable, 1

## Swine

Free State

Parys – Drs. Wessels, Wessels and Van Vuuren

Pneumonia, 1

## Ostriches

Eastern Cape

Oudtshoorn – Dr. Adriaan Olivier

Condition	Number of cases
Intestinal roundworms	2 First cases of severe wire worm infestations. Wet cooler weather with birds on pasture – ideal!
Tapeworms	1
Energy deficiency	2 Very cold and wet, poor nutrition – difficulties to maintain feed intake and losses due to energy deficiency. First cases of severe wire worm infestations
Pneumonia	2 Airsacculitis rhinitis – lower prevalence than before – water disinfection, production practises of all in, all out has reduced occurrence.
Diarrhoea	2

**Feedlot report received from Dr. Shaun Morris and Dr. Eben du Preez**

**([edupreez1@telkomsa.net](mailto:edupreez1@telkomsa.net))**

Sheep feedlots:

Lamb numbers are scarce and lambs in poor condition are part of parcels bought. Older lambs in poor condition fall in the expected weight category and in these lambs the digestive system is atrophic. Hardly any papillae is seen in the rumen and therefore uptake of nutrients are poor. They

struggle to adapt and if they do adapt, their standing time in the feedlot is much longer before they start to pick up weight. Many of these lambs die due to lack of resistance to disease.

Sporadic mortalities due to pulpy kidney occur.

Deaths due to pneumonia occur mostly in the adaptation phase.

A few cases of abscesses due to *Corynebacterium ovis* occurred.

Caseous abscessation in the lungs was seen in a few cases.

#### Cattle feed lots:

Calves becoming diseased before weaning are on the increase. Such calves arrive at feedlots and they often die within days after being offloaded or they are kept in the hospital camp even before they were processed.

Clinical signs of disease are not clearly seen at the farm of origin but with the stress of weaning and transport these signs come to the fore and the result is hospitalization or necropsy. At necropsy the lungs of these calves are severely affected, even with abscessation. Such abscesses are not formed within a day or two and one can take it for granted that infection was picked up weeks before.

*Pasteurella multocida* and *Mannheimia haemolytica* are the main role players in this situation. Farmers losing calves as a result of pneumonia before weaning, should consider vaccinating the cows timeously before calving so that calves are protected by antibodies via the colostrum.

A few cases of lumpy skin disease, red water and anaplasmosis were reported.

Pneumonia was still the main cause of mortality in feedlots. The traditional time of weaning and large number of calves that were bought resulted in pressure on the health status of feedlots. This resulted in increased morbidity and mortality in feedlots.

Acidosis with concomitant mortality due to bloat and red gut occurred especially when sudden ration changes were made and sudden changes in weather patterns took place.

Human errors in the mixing of ionophors in rations, resulted in deaths due to toxicity.

The need for vitamin A supplementation is high. This vitamin is needed for protection of mucous membranes, skin and growth. All animals should receive supplementation.

Keeping the cold chain in tact when using vaccines and medication is of utmost importance. Lower environmental temperature is not sufficient in protecting vaccines at the crush pen. Sunlight and heat destroys vaccines.

### **Monthly Feedlot report for May 2015 from Dr. Andy Hentzen**

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

Conditions	Species
Blue ticks	B 3

Brown ear-ticks	B 3
Red-legged ticks	B 3
Biting lice	B 3
Sucking lice	B 3
Nuisance flies	B,O,C 3
Blowflies	C 2
Midges	B 3 (Feedlot)
African red water	B 3
Asiatic red water	B 1
Anaplasmosis	B 3
Blackleg	B 2
Red gut	B 3
Ringworm	B 3
IBR	B 3
Warts	B 2
Lameness	B 3
Lung	B 3
Diarrhoea	B 3
Eye problems	B 3
Abscesses	B,C 2

## Monthly report on Livestock and Wildlife isolations for May 2015 from IDEXX Laboratories supplied by dr. Marijke Henton ([maryke@idexxsa.net](mailto:maryke@idexxsa.net))

### Idexx Laboratories

Respiratory diseases in feedlot cattle were severe during June. There were 10 cases of *Pasteurella multocida*, 8 each of *Mannheimia haemolytica* and *Mycoplasma*, four of *Histophilus somni*, *Trueperella pyogenes* [3], and one each of *Mannheimia* types 7, 8B and 8C.

Virtually all the other cases in cattle were due to *Trueperella pyogenes*. They were from infected semen, mastitis [two cases] and nephritis. The last bovine case was gas gangrene due to *Clostridium perfringens*. There are a number of other *Clostridium* species that rarely cause gas gangrene, and *C. perfringens* is the most common of the rarely encountered group. There is no fluorescent stain for *C. perfringens*, and so the FA stain test remains negative.

Pneumonia in pigs was caused by *Streptococcus suis* [2 cases], and *Streptococcus dysgalactiae* [was *S. equisimilis*] was isolated from infertile sows.

*E. coli* was isolated from piglets and lambs with diarrhoea.

Wildlife also yielded *Trueperella pyogenes*, from general abscessation in steenbuck, a liver abscess in a springbok, and from the vaginal discharge of a sable after abortion.

A black footed cat yielded *Pasteurella multocida* from a case of pneumonia.

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

Condition	Species and numbers affected
Intestinal roundworms	O,C,G 2
Heartwater	G 1
Theileriosis	G 2
<i>Chlamydophyla abortus/pecorum</i>	O,C 1
Pulpy kidney	O 1
Coccidiosis	G 1
Bovine malignant catarrh	B 2
Protein deficiency	G 2
Energy deficiency	G 2
Abortion	B,O,C,G 2
Pneumonia	B,C,G 2
Diarrhoea	B,G 2
Abscesses	B 1

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

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

**Monthly report for June 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
African Wild Dog	Dermatophytosis	1	Dubai
Springbok, Ewe	Arcanobacterial embolic pneumonia	1	Rustenburg, North West
Bovine, Weaner	Visceral (Heart-pluck) clostridial myositis	1	Ladysmith, KZN
Bovine, Cow	Malignant Catarrhal Fever	1	Polokwane, Limpopo
Bovine, Calf	Enteric coccidiosis	1	Durbanville, W.Cape
Bovine, Calf	Dilated cardiomyopathy	1	Durbanville, W.Cape
Martial Eagle	Aspergillosis	1	Hoedspruit, Limpopo
Ovine, Lambs	Cardiac glycoside poisoning	1	Humansdorp, E. Cape
Bovine, Fetus	Goitre	1	Estcourt, KZN
Springbok, Ewe	Toxic cardiomyopathy	1	Naboomspruit, Limpopo
Gemsbok, Bull	Dermatophilosis ( <i>D. congolense</i> )	1	Naboomspruit, Limpopo
Goat Fetuses	Coxiella burnetti (Q-Fever)	1	Ermelo, Mpumalanga
Bovine, Beef Cow	Systemic mucormycosis	1	Brits, Gauteng
Buffalo, Bull	Chemical rumenitis (macadamia nut overload)	1	Nelspruit, Mpumalanga
Bovine, Calf	<i>Mannheimia haemolytica</i>	1	Dundee, KZN
Bovine, Calves	<i>Mannheimia haemolytica</i>	2	Estcourt, KZN
Bovine, Calf	Systemic mucormycosis	1	Underberg, KZN
Bovine, Bull	Dermatophilosis ( <i>D. congolense</i> )	1	Barbeton, Mpumalanga
Caprine, Kid	<i>Mannheimia haemolytica</i>	1	Howick, KZN
Bovine, Calf	Calf Paratyphoid	1	Kokstad, KZN
Bovine, Cow	Algal (Microcystis) poisoning	1	Humansdorp, E. Cape
Bovine Bulls	<i>Tritrichomonas foetus</i>	1	Bergville KZN
Bovine Bulls	<i>Tritrichomonas foetus</i>	1	Underberg, KZN
Bovine Bulls	<i>Tritrichomonas foetus</i>	5	Bergville KZN
Bovine, Aborted Fetus	Meconial aspiration bacterial pneumonia	1	Bethal, Mpumalanga
Buffalo, Bull	Malignant Catarrhal Fever - WB associated	1	Modimole, Limpopo

#### Mastitis Bacterial Isolates

Bacterial isolate	Number of Cases
<i>Aeromonas</i> spp	
<i>Bacillus cereus</i>	
<i>Citrobacter</i> spp	3
<i>Corynebacterium</i> spp	
<i>Enterobacter</i> spp	
<i>Enterococcus</i> spp	2
<i>Escherchia coli</i>	3
<i>Flavobacterium</i> spp	
Haemolytic <i>Escherchia coli</i>	
<i>Klebsiella</i> spp	1

<i>Proteus</i> spp	
<i>Pseudomonas</i> spp	
<i>Serratia</i> spp	
<i>Staphylococcus aureus</i>	2
<i>Staphylococcus epidermidis</i>	23
<i>Staphylococcus intermedius</i> group - white	23
<i>Staphylococcus intermedius</i> group - yellow	
<i>Staphylococcus pseudintermedius</i>	6
<i>Staphylococcus</i> spp (Coagulase Negative)	
<i>Streptococcus agalactiae</i>	
<i>Streptococcus dysgalactiae</i>	
<i>Streptococcus pneumoniae</i>	
<i>Streptococcus uberis</i>	8

## Report from Pathcare Vetlab, Cape Town – Dr. Lucy Lange ([lange@pathcare.co.za](mailto:lange@pathcare.co.za))

### Disease report June 2015

Conditions that were reported during the last month in the PathCare VetLab. Cases were mostly from the Cape Province, Free State, North West and Namibia.

We often get positive ***Brucella*** cases (tests now only done by the OVI (Onderstepoort Veterinary Institute)).

***Tritrichomonas* and *Campylobacter*** in cattle (bull tests done before sale). These positive cases are widespread throughout the country.

**Bacterial infections:** *Rhodococcus* in horses, *Pasteurella/Mannheimia* (cattle and sheep), salmonellosis, *E. coli* septicemia. In companion animals numerous cases of staphylococci and streptococci as well as *Microsporum canis* were isolated.

**Cattle:** neonatal septicaemia, septic abortions, pneumonia, abomasitis in feedlots, *Cestrum* (ink berry) toxicity, heartwater, bacterial hepatitis and squamous cell carcinoma of the eye, anaplasmosis and babesiosis (red water).

**Sheep:** Johne's disease, CCN, pulpy kidney, *Listeria*, *Fasciola*, white muscle disease, pasteurellosis, pregnancy toxemia (domsiekte), jaagsiekte, numerous cases of internal parasites and coccidiosis, poor nutrition and protein deficiency.

**Goats:** Pneumonia and septicaemia in young animals.

**Pigs:** *Balantidium*

**Horses:** abortions are a huge problem, necrotic placentitis (without a cause found), sarcoid and melanoma, babesiosis.

**Game and others:**

Sable – peritonitis, salmonellosis, calcification of the kidneys

Bat-eared fox – symmetrical encephalomalacia

Springbok – poor nutrition, protein deficiency and septicaemia

Bontebok – capture myopathy and muscle necrosis

Serval (tierboskat) – panleukopaenia

Blesbok – capture myopathy

Roan – theileriosis, myocarditis

Nyala (numerous) – capture myopathy, protein deficiency, nephrosis of unknown origin

Buffalo – coccidiosis

Baboon – human tuberculosis

Impala – lungworm infection and capture myopathy

Zebra – pneumonia and worm infestation

Tsessebes – capture myopathy

Rats - lymphosarcoma