

Monthly report on livestock disease trends as informally reported by veterinarians in South Africa

December 2012

Introduction and summary of diseases and other conditions during December 2012

Internal parasites: As a result of good rains and summer temperatures, reports of problems due to intestinal roundworms are increasing. The main problem is wireworm infestation and deaths due to verminosis were reported. I predict that in the following months up to May many mortalities of sheep and goats may be reported if farmers don't do faecal egg counts and regular observations (the five point check): nose and mouth; colour of the eye mucous membrane (Famacha system); bottle jaw, condition and dag score (diarrhoea). By using this method problems caused by internal parasites will be identified. After each treatment the efficacy of the drug used should be evaluated as resistance to most of the actives have been reported.

Ticks: Tick numbers are also increasing in many parts of the country due to favourable conditions. The repeated usage of the long acting macrocyclic lactones against blue ticks will lead to selection for resistant ticks as has happened in South America.

Blue ticks are also carriers of the red water and anaplasma parasites and with the increase in the tick populations many red water and anaplasmosis cases were reported and numerous deaths occurred due to Asiatic red water. Discuss management and vaccination programmes with your veterinarian to combat these diseases. Test ticks for drug resistance.

Heartwater occurred in areas where the disease has not occurred before due to game carrying infected **bont ticks** into the farming areas.

Bont-legged ticks are numerous and the toxin of these ticks are responsible for the many sweating disease cases that were reported. Take note that these ticks have long mouth parts and their bites cause lameness in sheep and wounds which again lead to screw-worm attacks. Cases of Congo fever in humans were reported due to these ticks carrying the virus. Bleeding ears caused by numerous **adult brown ear ticks** were reported. It is important that the immature stages should be controlled in winter to prevent this serious condition in summer.

Flies: Summer environmental conditions favour the presence of flies which are carriers of numerous pathogens. One such bacteria is *Moraxella* which is responsible for ophthalmia. Contact your veterinarian for a vaccination and treatment programme.

Midges, mosquitoes and biting flies: reports of increased numbers of these insects were reported from certain areas and as they are the vectors of some viral diseases, reports of **lumpy skin disease, three day stiff sickness and blue tongue** were received. In next month's report (February) mention will be made of **African horse sickness** outbreaks during January 2013. To date no cases of **Rift Valley fever** and **Wesselsbron** were reported. These diseases are controlled through vaccination and vector control. Contact your veterinarian for further information.

Venereal diseases: trichomonosis and vibriosis are reported every month causing huge economic losses as is reflected in a reported case: heifers did not conceive and pregnancy rate in the cow herd was 66%. You need to talk to your veterinarian about controlling these diseases and adhere strictly to your biosecurity programme.

The following diseases were reported:

gasgangrene, red gut, blood gut and botulism. All these diseases could have been prevented

by following a vaccination programme. It is important that vaccination programmes should be updated at regular intervals with the help of your veterinarian.

Calf diarrhoea is still a big problem in many beef herds and there are a few causes such as **nutrition, rota** and **corona** virus, **E.coli**, **salmonellosis**, **coccidiosis** and **cryptosporidium**. Your veterinarian could help you identify the cause.

Snotsiekte still takes its toll every month and game farmers and cattle farmers should manage this disease as there is yet no vaccine against this viral disease.

West Nile Fever was reported from Bronkhorstspuit. More research should be done as this disease is also a zoonosis.

The following **poisonings** were reported: urea (licks got wet), fertilizers containing nitrogen, *Lantana*, *Cestrum* (inkbessie), gifblaar, prussic acid, acidosis, ergot, lead, photosensitization, termite bait, rye grass, organophosphate and sewejaartjie poisoning causing amaurosis (blindness).

The following conditions were also reported and details are in the report: abortions, dystocias, metritis, retained placentas, prolaps, navel ill, arthritis, mastitis, lameness, abscesses, pneumonia, protein deficiency, lightning and *Besnoitia*.

A summary of various laboratory reports and a feedlot report is attached at the end of the report.

Level of Reporting

The following colleagues submitted reports for December 2012:

Mpumalanga

Dr. Neil Fourie and Johan Barkhuizen - Middelburg

Dr. Frikkie Nel – Standerton

Dr. Gustav Trümpelmann – Lydenburg

Dr. Louis van Jaarsveld – Balfour

Dr. Gert Oosthuizen - Ermelo

Gauteng

Drs. Harmse, Brown, Tshuma, prof. Lourens and Rautenbach - Onderstepoort

Drs. Herman and Elmarie de Bruin and Marguerite Rudolph - Bronkhorstspuit

Limpopo

Dr. Hampie van Staden - Vaalwater

North West

Dr. Ian Jonker – Leeudoringstad

Dr. Pieter Nel – Christiana

Dr. Lourens Coetzer - Brits
Dr. Magdaleen Vosser - Stella
Dr. Olaf Marais – Ventersdorp
Dr. N. J. Heyns - Schweizer Reneke

Free State

Drs. Basson, Strydom and Strydom - Bethlehem
Dr. P P Brandt - Zastron
Drs. Scheepers, Thirion and Nel – Harrismith
Dr. Dries Lessing – Frankfort
Dr. Piet van Zyl - Heilbron
Dr. Liezel Wasserman – Clocolan
Drs. I. Hattingh and W.D. Hauptfleisch – Villiers
Dr. Johan Wessels – Parys
Drs. Daffue, Eksteen, Van Zyl and Van der Walt - Kroonstad
Dr. Johan Kahts – Viljoenskroon
Dr. Eddie Albertyn – Winburg
Drs. Van Hasselt and Blaauw - Ladybrand

KwaZulu-Natal

Drs. Collins, King and Delaney – Underberg
Dr. Ariena Shepherd – Bergville
Dr. Phillip Kretzmann – Pietermaritzburg
Dr. Silke Pfitzer – Pongola
Dr. Gert Theron - Vryheid
Dr. Anthony van Tonder – Camperdown
Dr. Trever Viljoen – Mtubatuba
Dr. Silke Pfitzer - Pongola

Eastern Cape

Drs. Van Niekerk, Van Vuuren and Louw – Humansdorp
Dr. Roland Larson - Graaff-Reinet
Dr. Johan Olivier - Alexandria
Dr. Dave Waterman - Stutterheim

Western Cape

Drs. Strydom, Truter, and Pettifer – George
Drs. Pienaar and Grobler – Beaufort-West
Dr. Albert van Zy I- Heidelberg.
Dr. Ian Herbst – Caledon
Dr. Izak Rust – Vredenburg
Drs. Strydom, Truter and Pettifer – George
Dr. Jannie van der Merwe - Darling

Northern Cape

Dr. Ian Vorster – Upington
Dr. Joseph van Heerden – Kimberley
Dr. Jan Vorster - Kathu

Feed lot report

Drs. Shaun Morris and Eben du Preez

Laboratory reports

Dr. Marijke Henton -Idexx SA Johannesburg
Dr. J. H. Vorster – Vetdiagnostix Pathology Services
Me. Jeanette Wentzel – Pathcare Cape Town

General disease trends and discussion as informally reported by veterinarians during December 2012

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Internal parasites

Roundworms

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
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No vets reporting this disease	1	2		2	2	5	2	2	1
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance	1	3		1	2	2	3	3	1
Species affected	C	O,C		O,C	O,C	B,O,C	O,C	O,C	O

Mpumalanga

Middelburg: drs. Fourie and Barkhuizen

Roundworms (C 1)

Gauteng

Bronkhorstspuit: drs. Herman and Elmarie de Bruin and Marguerite Rudolph

Roundworm infestation (O 2)

Onderstepoort: drs. Harmse *et al*

Roundworm infestation (O 3) Verminosis: Many herds affected with high egg counts and mortalities

North West

Brits: dr. Lourens Coertze

Roundworms (C 1)

Christiana: dr. Pieter Nel

Round worm infestation (O 1)

Free State

Harrismith: drs. Scheepers, Thirion and Nel

Roundworm infestation (O 2) *Ostertagia ostertagi* (B 1) Advise farmers to use a long acting dewormer at the beginning of January to control the wireworm peak season. It is very important to know the worm resistance status on the farm.

Heilbron: dr. Piet van Zyl

Roundworm infestation (O,C 2)

KwaZulu-Natal

Camperdown: dr. Anthony van Tonder

Intestinal roundworms (C 1)

Mtubatuba: dr. Trever Viljoen

Roundworms (B,O,C 2)

Pietermaritzburg: dr. Phillip Kretzmann

Roundworms (B,O,C 2)

Underberg: drs. Collins, King and Delaney

Nematodirus (B 3) A large group of weaned Jersey calves showed ill thrift and diarrhoea that was initially thought to be due to lush kikuyu. Faecal flotation revealed *Nematodirus* spp. egg counts of over 300epg.

Vryheid: dr. Gert Theron

Roundworms (O 3)

Eastern Cape

Alexandria: dr. Johan Olivier

Roundworms (C 2)

Graaff-Reinet: dr. Roland Larson

Roundworms (O,C 3) Acute deaths in weaners. In some cases endoparasiticide resistance was established.

Western Cape

Caledon: dr. Ian Herbst

Wireworm (O 2)

George: drs. Strydom, Truter and Pettifer

Roundworms (O 3)

Northern Cape**Kimberley: dr. Joseph van Heerden**

Wireworm (O 1) heavy infestation in Dorper lambs.

Resistant roundworms

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease		1			1		1		
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance		1			2		2	3	
Species affected		O			O		O,C	O	

Gauteng**Onderstepoort: drs. Harmse *et al***

Resistant roundworm infestation (O 1)

Free State**Heilbron: dr. Piet van Zyl**

Resistant roundworm infestation (O 2) I get variable results with the faecal egg count reduction test (FECRT). Has anyone had experience with repeated anthelmintic treatment of fasting animals and depositing the anthelmintic in the mouth of the animal instead of oesophageal treatment? Goats need to have higher dosage rates for anthelmintics due to their higher metabolism rate. Has anyone tried this?

Eastern Cape**Graaff-Reinet: dr. Roland Larson**

Resistant roundworms (O,C 2)

Western Cape**George: drs. Strydom, Truter and Pettifer**

Resistant roundworms (O 3) especially on irrigated pastures – thankful for new actives that came on the market.

Tapeworms

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease				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									
Level of importance				1	1	2			
Species affected				C	O,B	B,C			

Gauteng**Bronkhorstspuit: drs. Herman and Elmarie de Bruin and Marguerite Rudolph**

Tapeworms (O,C 3)

Onderstepoort: drs. Harmse *et al*

Tapeworms (O 2)

North West

Brits: dr. Lourens Coertze

Tapeworms (C 1)

Free State

Harrismith: drs. Scheepers, Thirion and Nel

Tapeworms (B 1)

Heilbron: dr. Piet van Zyl

Tapeworms (O 1)

Viljoenskroon: dr. Johan Kahts

Tapeworms (O 3)

Cysticercosis (B 1)

KwaZulu-Natal

Mtubatuba: dr. Trever Viljoen

Tapeworms (B,C 2)

Pietermaritzburg: dr. Phillip Kretzmann

Tapeworms (B 2)

Vryheid: dr. Gert Theron

Tapeworms (B 2)

Liver fluke

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease	1					1		1	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance	2					1		2	
Species affected	B					B		B,O	

Mpumalanga

Middelburg: drs. Fourie and Barkhuizen

Liver fluke (B 2)

KwaZulu Natal

Camperdown: dr. Anthony van Tonder

Liver fluke (B 1)

Western Cape

George: drs. Strydom, Truter and Pettifer

Liver fluke (B,O 2)

Conical fluke (Paramphistomosis)

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease					1		2		
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance					2		2		
Species affected					B		B,O		

FreeState

Clocolan: dr. Liezel Wasserman

Conical fluke (B 2)

Eastern Cape

Alexandria: dr. Johan Olivier

Conical fluke (B 2)

Graaff-Reinet: dr. Roland Larson

Conical fluke (B,O 2) 5 sheep developed a sudden diarrhoea and died when moved to the kraal.

Parafilaria

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease					1	3			
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance					2	1			
Species affected					B	B			

Free State

Zastron: dr. P.P. Brandt

Parafilaria (B 2)

KwaZulu-Natal

Camperdown: dr. Anthony van Tonder

Parafilaria (B 1)

Mtubatuba: dr. Trever Viljoen

Parafilaria (B 2)

Pietermaritzburg: dr. Phillip Kretzmann

Parafilaria (B 1)

External parasites

Blue Ticks

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease	4			3	8	5	1	2	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance	3			3	3	3	3	3	
Species affected	B			B	B,O	B	B	B	

Mpumalanga

Balfour: dr. Louis van Jaarsveld

Blue ticks under control by using long acting macrocyclic lactones.

Ermelo: dr. Gert Oosthuizen

Blue ticks (B 3)

Lydenburg: dr. Gustav Trümpelmann

Blue ticks (B 3)

Standerton: dr. Frikkie Nel

Blue ticks (B 3)

Gauteng

Onderstepoort: drs. Harmse *et al*

Blue ticks (B,O 3)

North West

Stella: dr. Magdaleen Vosser

Blue ticks (B 3)

Vryburg: dr. Nico Labuschagne

Blue ticks (B 3)

Ventersdorp: Olaf Marais

Blue ticks (B 2)

Free State

Bethlehem - drs. Basson, Strydom and Strydom

Blue ticks (B 3)

Frankfort: dr. Dries Lessing

Blue ticks (B 3)

Harrismith: drs. Scheepers, Thirion and Nel

Blue ticks (B 3) Advise farmers to use a long acting macrocyclic lactone in January/February to control blue ticks.

Heilbron: dr. Piet van Zyl

Blue ticks (B,O 2)

Kroonstad: drs. Daffue, Eksteen, van Zyl, and Van der Walt

Blue ticks (B 3)

Parys: dr. Johan Wessels

Blue ticks (B 3)

Viljoenskroon: dr. Johan Kahts

Blue ticks (B 3)

Winburg: dr. Eddie Albertyn

Blue ticks (B 3)

KwaZulu-Natal

Bergville: dr. Ariena Shepherd

Blue ticks (B 3)

Pietermaritzburg: dr. Phillip Kretzmann

Blue ticks (B 3)

Mtubatuba: dr. Trever Viljoen

Blue ticks (B 3)

Underberg: drs. Collins, King and Delaney

Blue ticks (B 2)

Vryheid: dr. Gert Theron

Blue ticks (B 3)

Eastern Cape

Graaff-Reinet: dr. Roland Larson

Blue ticks (B 3)

Western Cape

Darling: dr. Jannie van der Merwe

Blue ticks (B 3)

George: drs. Strydom, Truter and Pettifer

Blue ticks (B 3)

Resistant ticks

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease						2			
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance						3			
Species affected						B			

KwaZulu-Natal

Mtubatuba: dr. Trever Viljoen

Resistant blue ticks (B 2)

Vryheid: dr. Gert Theron

Resistant blue ticks (B 3)

Bont-legged ticks

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease	3	1		5	6	1	1		3
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance	3	3		3	3	3	2		3
Species affected	B	B,O		B,O	B,O	B	B		B,O,C

Mpumalanga

Ermelo: dr. Gert Oosthuizen

Bont-legged ticks (B 3)

Lydenburg: dr. Gustav Trümpelmann

Bont-legged ticks (B 2)

Standerton: dr. Frikkie Nel

Bont-legged ticks (B 3)

Gauteng

Bronkhorstspuit: drs. Herman and Elmarie de Bruin and Marguerite Rudolph

Bont-legged ticks (B 2)

Onderstepoort: drs. Harmse *et al*

Bont-legged ticks (B,O 3)

North West

Brits: dr. Lourens Coertze

Bont-legged ticks (B 2)

Christiana: dr. Pieter Nel

Bont-legged ticks (B,O 1)

Schweizer-Reneke: dr. N.J. Heyns

Bont-legged ticks (B 3)

Stella: dr. Magdalen Vossler

Bont-legged ticks (B 3)

Vryburg: dr. Nico Labuschagne

Bont-legged ticks (B 3)

Free State

Clocolan: dr. Liezel Wasserman

Bont-legged ticks (B 3)

Frankfort: dr. Dries Lessing

Bont-legged ticks (B 3)

Heilbron: dr. Piet van Zyl

Bont-legged ticks (B 1)

Kroonstad: drs. Daffue, Eksteen, van Zyl, and Van der Walt

Bont-legged ticks (B,O,Game 3) Buffalo, sable, sheep, cattle are lame due to tick bites at the back of legs.

Viljoenskroon: dr. Johan Kahts

Bont-legged ticks (B,O 3)

Winburg: dr. Eddie Albertyn

Bont-legged ticks (B 3)

KwaZulu-Natal**Bergville: dr. Ariena Shepherd**

Bont-legged ticks (B 3)

Northern Cape**Kimberley: dr. Joseph van Heerden**

Bont-legged ticks (B 3)

Kathu: dr. Jan Vorster

Bont-legged ticks (B 2) Due to rains there is an explosion in the tick population.

Upington: dr. Ian Vorster

Bont-legged ticks (O,C 3) Bite wounds lead to abscesses on the spinal cord ("sitsiekte").

Red legged ticks

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease	1				1	2			
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance	3				2	2			
Species affected	B				B	B			

Mpumalanga**Balfour: dr. Louis van Jaarsveld**

Red legged ticks (B 3)

Free State**Heilbron: dr. Piet van Zyl**

Red legged ticks (B 1)

Parys: dr. Johan Wessels

Red legged ticks (B 3)

Brown ear ticks

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease	2	1	1		1	3			
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance	3	3	3		3	3			
Species affected	B	B,O,E	B,E		B	B,Game			

Mpumalanga**Ermelo: dr. Gert Oosthuizen**

Brown ear ticks (B 3) spreading

Lydenburg: dr. Gustav Trümpelmann
Brown ear ticks (B 3) causing bleeding of ears.

Gauteng

Bronkhorstspuit: drs. Herman and Elmarie de Bruin and Marguerite Rudolph
Brown ear ticks (B,E 3) Huge problem from September to February. Ears should be treated weekly otherwise ears are bleeding.

Onderstepoort: drs. Harmse *et al*
Brown ear ticks (B,O 3)

Limpopo

Vaalwater: dr. Hampie van Staden
Brown ear ticks (B,E 3) found severe infestation in horses

Free State

Parys: dr. Johan Wessels
Brown ear ticks (B 3)

KwaZulu-Natal

Bergville: dr. Ariena Shepherd
Brown ear ticks (B 3)

Mtubatuba: dr. Trever Viljoen
Brown ear ticks (B, Wild life 2)

Vryheid: dr. Gert Theron
Brown ear ticks (B 3)

Bont ticks (*Amblyomma hebraeum*) Heartwater ticks

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease	1	1		1		2			
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance	3	3		3		3			
Species affected	B	B,O		B		B,O,C			

Mpumalanga

Lydenburg: dr. Gustav Trümpelmann
Heartwater ticks (B 3)

Gauteng

Onderstepoort: drs. Harmse *et al*
Bont ticks (B,O 3)

North West

Brits: dr. Lourens Coertze
Bont ticks (B 3) Damage to the skin by ticks results in fly strike and abscesses. Damage to the udders is very severe and will most likely lead to a high culling percentage

KwaZulu-Natal

Mtubatuba: dr. Trever Viljoen
Heartwater ticks (B,C,O 3)

Pietermaritzburg: dr. Phillip Kretzmann
Heartwater ticks(B 2)

Paralysis Ticks

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease									
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance									
Species affected									

Biting Lice

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease						1			
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance						1			
Species affected						Swine			

KwaZulu-Natal

Camperdown: dr. Anthony van Tonder

Biting lice (Swine 1)

Sucking Lice

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease									
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance									
Species affected									

Screw-worm

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease		1	1			3			
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance		1	3			2			
Species affected		B	E			B,C			

Gauteng

Bronkhorstspuit: drs. Herman and Elmarie de Bruin and Marguerite Rudolph

Screw-worm (B 1)

Limpopo

Vaalwater: dr. Hampie van Staden

Screw-worm infestation (E 3) in tick infested ears.

KwaZulu-Natal

Mtubatuba: dr. Trever Viljoen

Screw-worm (B,C 2)

Pietermaritzburg: dr. Phillip Kretzmann

Screw-worm (B 2)

Pongola/Magudu: dr. Silke Pfitzer

Screw-worm (B 1)

Mites (Sheep scab)

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease									
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance									
Species affected									

Nuisance and biting flies,

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease	2			3	3	4		1	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance	3			3	3	3		3	
Species affected	B			B	B,O	B,O,C		B, O	

Mpumalanga

Balfour: dr. Louis van Jaarsveld

Flies (B 3)

Standerton: dr. Frikkie Nel

Nuisance and biting flies (B 3)

North West

Stella: dr. Magdaleen Vosser

Nuisance and biting flies (B 3)

Ventersdorp: Olaf Marais

Nuisance and biting flies (B 3)

Vryburg: dr. Nico Labuschagne

Nuisance and biting flies (B 3)

Free State

Bethlehem: drs. Basson, Strydom and Strydom

Flies (B,O 3)

Clocolan: dr. Liezel Wasserman

Nuisance flies (B,O 3)

Frankfort: dr. Dries Lessing

Biting flies (B 3)

KwaZulu-Natal

Bergville: dr. Ariena Shepherd

Flies (B,O 3)

Camperdown: dr. Anthony van Tonder

Nuisance flies (B 2)

Mtubatuba: dr. Trever Viljoen

Nuisance flies (B 3)

Pietermaritzburg: dr. Phillip Kretzmann

Nuisance flies (B,O,C 3)

Western Cape

Vredenburg: dr. Izak Rust

Nuisance flies (B,O 3)

Nasal bot larvae

Province	Mpuma	Gauteng	Limpopo	North	Free	KwaZulu	Eastern	Western	Northern
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	-langa			West	State	Natal	Cape	Cape	Cape
No vets reporting this disease									
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance									
Species affected									

Blowflies

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease		1		1	2		1		
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance		2		3	3		2		
Species affected		B		O	O		O		

Gauteng

Onderstepoort: drs. Harmse *et al*
Blowflies (B 2)

North West

Brits: dr. Lourens Coertze
Blowflies (O 3)

Free State

Clocolan: dr. Liezel Wasserman
Blowflies (O 3)
Harrismith: drs. Scheepers, Thirion and Nel
Blowflies (O 2)

Eastern Cape

Graaff-Reinet: dr. Roland Larson
Blowflies (O 2)

Midges and Mosquitoes

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease		1			3	1			
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance		3			3	3			
Species affected		B,O,C			B,O	B,O			

Gauteng

Onderstepoort: drs. Harmse *et al*
Midges (B,O,C 3)

Free State

Clocolan: dr. Liezel Wasserman
Midges (B,O 3)
Frankfort: dr. Dries Lessing
Midges (B 3)
Viljoenskroon: dr. Johan Kahts
Midges (B 3)

KwaZulu-Natal

Pietermaritzburg: dr. Phillip Kretzmann
Midges (B,O 3)

Tick-borne diseases

African Red water (*Babesia bigemina*)

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease	1	1		1	4	3	1	2	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance	2	1		2	2	3	1	3	
Species affected	B	B		B	B	B	B	B	

Mpumalanga

Middelburg: drs. Fourie and Barkhuizen
African red water (B 2)

Gauteng

Onderstepoort: drs. Harmse *et al*
African red water (B 1)

North West

Leeudoringstad: dr. Ian Jonker
African red water (B 1)

Free State

Clocolan: dr. Liezel Wasserman
African red water (B 2)

Frankfort – dr. Dries Lessing
African red water (B 3)

Harrismith: drs. Scheepers, Thirion and Nel
African red water (B 2)

Heilbron: dr. Piet van Zyl
African red water (B 1)

KwaZulu-Natal

Mtubatuba: dr. Trever Viljoen
African red water (B 2)

Pietermaritzburg: dr. Phillip Kretzmann
African red water (B 3)

Vryheid: dr. Gert Theron
African red water (B 3)

Eastern Cape

Stutterheim: Dave Waterman
African red water (B 1)

Western Cape

George: drs. Strydom, Truter and Pettifer
African red water (B 3)

Asiatic Red Water (*Babesia bovis*)

Province	Mpumala -langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease	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									
Level of importance	3	2		1	2	3			
Species affected	B	B		B	B	B			

Mpumalanga

Balfour: dr. Louis van Jaarsveld

Asiatic red water (B 3) three farms , 2-3 deaths per farm.

Ermelo: dr. Gert Oosthuizen

Asiatic red water (B 3)

Lydenburg: dr. Gustav Trümpelmann

Asiatic red water (B 3)

Middelburg: drs. Fourie and Barkhuizen

Asiatic red water (B 2) The saying “cattle come from severe red water veld” does not hold truth in our area. If cattle are brought into the area of Middelberg, Stofberg, Hendrina or Belfast there will be some mortalities in cattle due to red water.

Standerton: dr. Frikkie Nel

Asiatic red water (B 3)

Gauteng

Bronkhorstspuit: drs. Herman and Elmarie de Bruin and Marguerite Rudolph

Asiatic red water (B 1)

Onderstepoort: drs. Harmse *et al*

Asiatic red water (B 2)

North West

Leeudoringstad: dr. Ian Jonker

Asiatic red water (B 1)

Free State

Clocolan: dr. Liezel Wasserman

Asiatic red water (B 2)

Frankfort: dr. Dries Lessing

Asiatic redwater (B 3)

Harrismith: drs. Scheepers, Thirion and Nel

Asiatic red water (B 1)

KwaZulu-Natal

Bergville: dr. Ariena Shepherd

Asiatic red water (B 3) seen in calves a few days old. Seen red water in adult non vaccinated adults.

Camperdown: dr. Anthony van Tonder

Asiatic red water (B 2)

Pietermaritzburg: dr. Phillip Kretzmann

Asiatic red water (B 2)

Vryheid: dr. Gert Theron

Asiatic red water (B 3)

Anaplasmosis

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease		1		5	4	4	1	2	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance		2		3	2	2	1	2	
Species affected		B		B	B	B	B	B	

Gauteng

Onderstepoort: drs. Harmse *et al*
Anaplasmosis (B 2)

North West

Christiana: dr. Pieter Nel
Anaplasmosis (B 1)

Leeudoringstad: dr. Ian Jonker
Anaplasmosis (B 3)

Stella: dr. Magdaleen Vosser
Anaplasmosis (B 3)

Ventersdorp: Olaf Marais
Anaplasmosis (B 2)

Vryburg: dr. Nico Labuschagne
Anaplasmosis (B 3)

Free State

Bethlehem - drs. Basson, Strydom and Strydom
Anaplasmosis (B 3) in dairy cattle, flies are the main transmitters.

Clocolan: dr. Liezel Wasserman
Anaplasmosis (B 2)

Harrismith: drs. Scheepers, Thirion and Nel
Anaplasmosis (B 2)

Zastron: dr. P.P. Brandt
Anaplasmosis (B 2)

KwaZulu-Natal

Bergville: dr. Ariena Shepherd
Anaplasmosis (B 2) Seen a few cases, mainly fly transmission.

Pietermaritzburg: dr. Phillip Kretzmann
Anaplasmosis (B 2)

Underberg: drs. Collins, King and Delaney
Anaplasmosis (B 3) Unusual for us to diagnose tick-borne anaplasmosis this early in the season. Traditionally the disease becomes a problem in late summer or autumn.

Vryheid: dr. Gert Theron
Anaplasmosis (B 1)

Eastern Cape

Alexandria: dr. Johan Olivier
Anaplasmosis (B 1)

Western Cape

Darling: dr. Jannie van der Merwe
Anaplasmosis (B 2)

George: drs. Strydom, Truter and Pettifer
Anaplasmosis (B 1)

Heartwater

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease		1	1	4	1	4	2		
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance		3	3	3	1	2	2		
Species affected		B,O,C	B	B	O	B,O,C	B		

Gauteng

Onderstepoort: drs. Harmse *et al*

Heartwater (B,O,C 3) Many animals affected, some mortalities. Mostly younger animals but some adult sheep affected.

Limpopo

Vaalwater: dr. Hampie van Staden

Heartwater (B 3) Bonsmara cattle introduced into the area. They were vaccinated on arrival, temperatures taken for 3 weeks but reacted after that and 3 out of 14 died.

North West

Brits: dr. Lourens Coertze

Heartwater (B 2) intermittent cases seen, heartwater cases appear to be decreasing in comparison to earlier this season.

Leeudoringstad: dr. Ian Jonker

Heartwater (B 3) First case of heartwater in my area, lost 19 cattle. Cattle graze adjacent to the Vaal river. Letschwes and nyalas came through the river, most probably with heartwater infected bont ticks.

Stella: dr. Magdaleen Vosser

Heartwater (B 3) Setlagole

Wolmaranstad: dr. Joseph van Heerden

Heartwater (B 3) Stud Bonsmara cattle died of heartwater adjacent to a game farm. Cattle blocked. Beware of susceptible cattle grazing adjacent to game farms.

Free State

Winburg: dr. Eddie Albertyn

Heartwater (O 1) sheep bought in the Eastern Cape were already infected with heartwater.

KwaZulu-Natal

Camperdown: dr. Anthony van Tonder

Heartwater (B,C 2)

Mtubatuba: dr. Trever Viljoen

Heartwater (B,C 3) Following good rains tick numbers are increasing as well as the incidence of heartwater.

Pietermaritzburg: dr. Phillip Kretzmann

Heartwater (B,O 2)

Pongola/Magudu: dr. Silke Pfitzer

Heartwater (B 1)

Vryheid: dr. Gert Theron

Heartwater (O 3)

Eastern Cape

Alexandria: dr. Johan Olivier

Heartwater (B 2)

Humansdorp: drs. Van Niekerk, Jansen van Vuuren and Louw

Heartwater (B 2)

Corridor disease

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease									
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance									
Species affected									

Sweating sickness

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease	1	1		3	3				
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance	2	2		2	2				
Species affected	B	B		B	B				

Mpumalanga

Ermelo: dr. Gert Oosthuizen

Sweating sickness (B 2)

Gauteng

Bronkhorstspuit: drs. Herman and Elmarie de Bruin and Marguerite Rudolph

Sweating sickness (B 2) Huge problem in calves during December and January especially during hot and dry periods.

North West

Christiana: dr. Pieter Nel

Sweating disease (B 1)

Schweizer-Reneke: dr. N.J. Heyns

Sweating disease (B 3)

Vryburg: dr. Nico Labuschagne

Sweating disease (B 3)

Free State

Bethlehem: drs. Basson, Strydom and Strydom

Sweating sickness (B 2)

Viljoenskroon: dr. Johan Kahts

Sweating sickness (B 1)

Winburg: dr. Eddie Albertyn

Sweating sickness (B 2)

Insect transmittable diseases

Lumpy skin disease

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease		1			1	3	1		1
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance		3			2	2	1		1
Species affected		B			B	B	B	B	B

Gauteng

Onderstepoort: drs. Harmse *et al*

Lumpy skin disease (B 3) Unvaccinated herds, no mortalities

Free State

Harrismith: drs. Scheepers, Thirion and Nel

Lumpy skin disease (B 2)

KwaZulu-Natal

Bergville: dr. Ariena Shepherd

Lumpy skin disease (B 2)

Mtubatuba: dr. Trevor Viljoen

Lumpy skin disease (B 2)

Vryheid: dr. Gert Theron

Lumpy skin disease (B 3)

Eastern Cape

Alexandria: dr. Johan Olivier

Lumpy skin disease (B 2)

Northern Cape

Upington: dr. Ian Vorster

Lumpy skin disease (B 1)

Pseudo Lumpy skin disease (Allerton virus)

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease									1
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance									2
Species affected									B

Bovine ephemeral fever (Three day stiff sickness)

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease		1			4	1	1	1	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance		B			2	2	1	3	
Species affected		3			B	B	B	B	

Gauteng

Onderstepoort: drs. Harmse *et al*

Three day stiff sickness (B 3) Few animals with 3DSS on different farms, no mortalities.

Free State

Bethlehem: drs. Basson, Strydom and Strydom

Three day stiff sickness (B 2)

Frankfort: dr. Dries Lessing

Three day stiff sickness (B 2)

Kroonstad: drs. Daffue, Eksteen, van Zyl and Van der Walt

Three day stiff sickness (B 1)

Winburg: dr. Eddie Albertyn

Three day stiff sickness (B 1)

KwaZulu-Natal

Mtubatuba: dr. Trever Viljoen

Three day stiff sickness (B 2)

Eastern Cape

Stutterheim: dr. Dave Waterman

Three day stiff sickness (B 1)

Northern Cape

Upington: dr. Ian Vorster

Three day stiff sickness (B 3)

Blue tongue

Province	Mpuma-langa	Gauteng	Limpopo	North West	FreeState	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease	2	1				3	1	2	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance	1	3				3	2	2	
Species affected	0	0				0	0	0	

Mpumalanga

Balfour: Balfour: dr. Louis van Jaarsveld

Blue tongue (O 1)

Lydenburg: dr. Gustav Trümpelmann

Blue tongue (O 1)

Gauteng

Onderstepoort: drs. Harmse *et al*

Blue tongue (O 3)

KwaZulu Natal

Bergville: dr. Ariena Shepherd

Blue tongue (O 3) Many cases seen, sheep were not vaccinated.

Pietermaritzburg: dr. Phillip Kretzmann

Blue tongue (O 2) Although not strictly December (actually first week January), outbreaks on 3 separate farms within 3 days of each other. All in the Richmond KZN area. One case confirmed with PCR on affected tissue. All 3 farms had mortalities – in our area seen as an important precursor to African horse sickness and three day stiff sickness.

Vryheid: dr. Gert Theron

Blue tongue (O 3) Massive outbreak in unvaccinated lambs.

Eastern Cape

Graaff-Reinet: dr. Roland Larson

Blue tongue (O 2) Isolated cases seen, especially in young lambs.

Western Cape**Caledon: dr. Ian Herbst**

Blue tongue (O 1)

Heidelberg: dr. Albert van Zyl

Blue tongue (O 3)

Rift Valley fever

Province	Mpuma-langa	Gauteng	Limpopo	North West	FreeState	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease									
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance									
Species affected									

Nagana

Province	Mpuma-langa	Gauteng	Limpopo	North West	FreeState	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease						1			
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance						3			
Species affected						B			

KwaZulu-Natal**Mtubatuba: dr. Trever Viljoen**

Nagana (B 3) this disease remains a problem in the communal grazing areas where poor fly control is contributing to the prevalence of this disease.

Venereal diseases**Trichomonosis**

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease		1		2	4				1
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance		1		2	3				1
Species affected		B		B	B				B

Gauteng**Onderstepoort: drs. Harmse *et al***

Trichomonosis (B 1)

North West**Christiana: dr. Pieter Nel**

Trichomonosis (B 1)

Leeudoringstad: dr. Ian Jonker

Trichomonosis (B 3)

Free State**Heilbron: dr. Piet van Zyl**

Trichomonosis (B 3)

Kroonstad: drs. Daffue, Eksteen, van Zyl and Van der Walt

Trichomonosis (B 3)

Ladybrand: drs. Van Hasselt and Blaauw

Trichomonosis (B 2) Two herds are positive. Herd control and improved management. Most infections come from neighbours who have not tested their bulls as well as from small scale farmers.

Viljoenskroon: dr. Johan Kahts

Trichomonosis (B 2) this disease is increasing and the source is not always found.

Northern Cape

Kimberley: dr. Joseph van Heerden

Trichomonosis (B 1) In a herd heifers not in calf and cows 60% pregnant. Bull tested negative at the first test and positive at the second.

Vibriosis

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease				1	3				
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance				3	2				
Species affected				B	B				

North West

Leeudoringstad: dr. Ian Jonker

Vibriosis (B 3)

Free State

Clocolan: dr. Liezel Wasserman

Vibriosis (B 2)

Ladybrand: drs. Van Hasselt and Blaauw

Vibriosis (B 2) On a farm conception rate was poor. Tests for vibriosis were not done before. Two other farms were infected, one farm adjacent to cattle from an informal settlement and a neighbour who does not test his animals for venereal diseases.

Zastron: dr. P.P. Brandt

Vibriosis (B 1)

Peestersiekte

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease									
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance									
Species affected									

Bacterial diseases

Anthrax

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease									

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

Gas gangrene infections

Province	Mpuma-langa	Gauteng	Limpopo	North West	FreeState	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease	2	1			4				
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance	3	2			2				
Species affected	B	B,O,C			B				

Mpumalanga

Middelburg: drs. Fourie and Barkhuizen

Black quarter (B 2) Classic cases were seen in calves before weaning. Impression smears were taken to establish which Clostridia were responsible for the deaths. Traditionally calves are vaccinated against black quarter at weaning but this should be re-evaluated.

Standerton: dr. Frikkie Nel

Swelled head (B 3) *Clostridium novyi* B

Gauteng

Bronkhorstspuit: drs. Herman and Elmarie de Bruin and Marguerite Rudolph

Swelled head (B,O,C 2)

Free State

Harrismith: drs. Scheepers, Thirion and Nel

Black quarter (B 2)

Heilbron: dr. Piet van Zyl

Swelled head (B 1)

Kroonstad: drs. Daffue, Eksteen, van Zyl and Van der Walt

Black quarter (B 3) 17 calves died due to *Clostridium chauvoei*.

Viljoenskroon: dr. Johan Kahts

Black quarter (B 1)

Pulpy Kidney

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease	2	2			2	1		1	1
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance	3	2			2	1		2	3
Species affected	O	O,C			O	O		O	O

Mpumalanga

Balfour: dr. Louis van Jaarsveld

Pulpy kidney (O 3) especially in 3 month old lambs.

Ermelo: dr. Gert Oosthuizen

Pulpy kidney (O 3)

Gauteng

Bronkhorstspuit: drs. Herman and Elmarie de Bruin and Marguerite Rudolph

Pulpy kidney (C,O 2) During 2012 seen many cases of pulpy kidney in goats.

Onderstepoort: drs. Harmse *et al*
Pulpy kidney (O 1)

Free State

Heilbron: dr. Piet van Zyl
Pulpy kidney (O 1)

Zastron: dr. P.P. Brandt
Pulpy kidney (O 2)

KwaZulu-Natal

Bergville: dr. Ariena Shepherd
Pulpy kidney (O 1) FSE case in lambs due to insufficient protection via colostrum.

Western Cape

George: drs. Strydom, Truter and Pettifer
Pulpy kidney (O 2)

Northern Cape

Upington: dr. Ian Vorster
Pulpy kidney (O 3) Numerous cases after good rains due to farmers not vaccinating their sheep.

Lamb dysentery (*Clostridium perfringens* type B)

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease									
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance									
Species affected									

Red gut (B)/Blood gut(O)

Province	Mpuma-langa	Gauteng	Limpopo	North West	Freestate	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease	1			1	1		1	1	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance	3			3	1		1	1	
Species affected	O			B	B,O		C	O	

Mpumalanga

Standerton: dr. Frikkie Nel
Redgut (B 3)

North West

Vryburg: dr. Nico Labuschagne
Red gut (B 3)

Free State

Frankfort – dr. Dries Lessing
Redgut (B 1)
Blood gut (O 1)

Eastern Cape

Graaff-Reinet: dr. Roland Larson

Blood gut (C 1)

Western Cape

Beaufort-West: drs. Pienaar and Grobler

Blood gut (O 1)

Tetanus

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease									
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance									
Species affected									

Botulism

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease	1	2		3	2				
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance	2	1		2	2				
Species affected	B	B		B,O	B				

Mpumalanga

Standerton: dr. Frikkie Nel

Botulism (B 2)

Gauteng

Bronkhorstspuit: drs. Herman and Elmarie de Bruin and Marguerite Rudolph

Botulism (B 1)

Onderstepoort: drs. Harmse *et al*

Botulism (B 1)

North West

Christiana: dr. Pieter Nel

Botulism (B 1)

Kimberley: dr. Joseph van Heerden

Suspected botulism (O 3) 200 sheep died. Botulism not confirmed. Vaccinated sheep against clostridial diseases. Will see if the outbreak stops.

Vryburg: dr. Nico Labuschagne

Botulism (B 1)

Free State

Kroonstad: drs. Daffue, Eksteen, van Zyl and Van der Walt

Botulism (B 1)

Zastron: dr. P.P. Brandt

Botulism (B 2)

Brucellosis (*Brucella abortus*)

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape

No vets reporting this disease				2	3				
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance				2	3				
Species affected				B	B				

North West

Brits: dr. Lourens Coertze

Brucellosis (B 2)

Christiana: dr. Pieter Nel

Brucellosis (B 1)

Free State

Clocolan: dr. Liezel Wasserman

Brucellosis (B 2)

Parys: dr. Johan Wessels

Brucellosis (B 3) 20 positive cases in a herd.

Viljoenskroon: dr. Johan Kahts

Brucellosis(B 3) Presence of this disease is increasing in herds.

Johnes disease

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease									
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance									
Species affected									

Ram disease (*Brucella ovis*)

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease								1	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance								1	
Species affected								O	

Ram disease (HPA organisms)

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease									
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance									
Species affected									

E. coli

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease		1		2	4		1		
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance		2		2	3		1		
Species affected		B,P		B	B		B		

Gauteng

Onderstepoort: drs. Harmse *et al*

E. coli (B 2) (Porcine 2)

North West

Christiana: dr. Pieter Nel

E.coli (B 1)

Ventersdorp: Olaf Marais

E.coli (B 3) diarrhoea.

Free State

Heilbron: dr. Piet van Zyl

E.coli (B 3)

Ladybrand: drs. Van Hasselt and Blaauw

E. coli mastitis (B 3) Dairy cows calf in a kikuyu camp where water from the milk parlour drains into the camp. Cultures from the udder quarters were made and cows were removed out of the infected camp. Treatment of cows and risk management were discussed.

Viljoenskroon: dr. Johan Kahts

E. coli (B 3) As a result of severe heat there were an increase in diarrhoea in young calves.

Zastron: dr. P.P. Brandt

E. coli (B 3)

Eastern Cape

Alexandria: dr. Johan Olivier

E. coli (B 1)

Salmonellosis

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease		1							
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance		3							
Species affected		B							

Gauteng

Onderstepoort: drs. Harmse *et al*

Salmonellosis (B 3)

Leptospirosis

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease					1				
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance					1				
Species affected					B				

Free State

Viljoenskrood: dr. Johan Kahts

Leptospirosis (B 1)

Lumpy wool (*Dermatophilus*)

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease					1	1			1

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

Free State

Harrismith: drs. Scheepers, Thirion and Nel

Lumpy wool (O 3) and grass seeds. Due to excessive wet conditions farmers were warned not to graze lambs in fields with many grass seeds.

KwaZulu-Natal

Vryheid: dr. Gert Theron

Dermatophilus (B,O 3)

Northern Cape

Kimberley: dr. Joseph van Heerden

Orf plus *Dermatophilus congolense* (O 1) the whole skin of the lamb was affected.

Enzootic abortion (*Chlamydophyla*)

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease					1				
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance					2				
Species affected					B				

Free State

Zastron: dr. P.P. Brandt

Chlamydophyla (B 2) two cows with abnormal small calves. A cow and calf tested positive for *Chlamydophyla*.

Took blood samples at random from pregnant ewes. Numerous ewes tested positive for *Chlamydophyla* and others were suspicious for this disease.

Other Bacterial infections

Gauteng

Onderstepoort: drs. Harmse *et al*

Corynebacterium pseudotuberculosis (O 2) CLA

KwaZulu-Natal

Camperdown: dr. Anthony van Tonder

Endocarditis (B 1)

Viral diseases

Bovine Malignant Catarrh - BMC (Snotsiekte)

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease				1	1				
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance				1	1				

Species affected				B	B				
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North West

Vryburg: dr. Nico Labuschagne

Snotsiekte (B 1)

Free State

Heilbron: dr. Piet van Zyl

Snotsiekte (B 1)

BVD

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease									
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance									
Species affected									

IBR

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease									
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance									
Species affected									

BRSV (Bovine respiratory syncytial virus)

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease									
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance									
Species affected									

Rota and Corona virus

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease	1				1				
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance	3				2				
Species affected	B				B				

Mpumalanga

Balfour: dr. Louis van Jaarsveld

Corona virus (B 3) causing diarrhoea in 3-4 month old calves.

Free State

Heilbron: dr. Piet van Zyl

Rota virus (B 2)

Enzootic Bovine Leukosis (EBL)

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease									

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

Warts & Orf

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease	3	1		2		1	1	3	2
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance	3	1		2		1	2	2	2
Species affected	B,O,C	B		B,O		C	C	O,C	O,C

Mpumalanga

Balfour: dr. Louis van Jaarsveld

Orf (O,C 3)

Lydenburg: dr. Gustav Trümpelmann

Orf (O 2)

Warts (B 2)

Standerton: dr. Frikkie Nel

Orf (O 3)

Warts (B 3)

Gauteng

Onderstepoort: drs. Harmse *et al*

Warts (B 1)

North West

Christiana: dr. Pieter Nel

Warts (B 1)

Leeudoringstad: dr. Ian Jonker

Orf (O 3)

KwaZulu-Natal

Camperdown: dr. Anthony van Tonder

Orf (C 1)

Eastern Cape

Graaff-Reinet: dr. Roland Larson

Orf (C 2)

Western Cape

Beaufort-West: drs. Pienaar and Grobler

Orf (O,C 3) Numerous cases of orf in goats.

Caledon: dr. Ian Herbst

Orf (C 1) in milk goats.

Darling: dr. Jannie van der Merwe

Orf (C 1)

Northern Cape

Kimberley: dr. Joseph van Heerden

Orf plus *Dermatophilus congolense* (O 1) the whole skin of the lamb was affected.

Upington: dr. Ian Vorster

Orf (O,C 3) Orf is widespread in the area. Lesions occur on udders and even on the body. Mulberry lesions on feet and even deaths occurred. Virus can be spread by midges.

Rabies

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease									
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance									
Species affected									

Jaagsiekte

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease				1	1				
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance				1	1				
Species affected				O	O				

North West**Leeudoringstad: dr. Ian Jonker**

Jaagsiekte (O 1) ram with jaagsiekte bought in. Flock now probably infected.

Free State**Harrismith: drs. Scheepers, Thirion and Nel**

Jaagsiekte (O 1)

Other viral infections**West Nile virus****Gauteng****Bronkhorstspuit: drs. Herman and Elmarie de Bruin and Marguerite Rudolph**

Numerous cases of cattle showing nervous symptoms and with hardly a fever. Animals show incoordination, unsteady on their feet and salivation. On one farm 2 adult cattle died and the PCR test confirmed that they were positive for West Nile virus. On a farm two calves have been having severe paresis for a month already. They suckle and rise with difficulty. On the same farm a cow has been crawling on her knees for 3 weeks. On another farm a cow held her head at an angle and was “star gazing”.

Fungal Diseases**Ringworm**

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease		1		1	2	3			
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance		3		1	2	2			
Species affected		B		B	B	B			

Gauteng

Onderstepoort: drs. Harmse *et al*

Ringworm (B 3)

North West

Christiana: dr. Pieter Nel

Ringworm (B 1)

Free state

Harrismith: drs. Scheepers, Thirion and Nel

Ringworm (B 2)

KwaZulu-Natal

Mtubatuba: dr. Trever Viljoen

Ringworm (B 2)

Pietermaritzburg: dr. Phillip Kretzmann

Ringworm (B 2)

Underberg: drs. Collins, King and Delaney

Ringworm (B 3) A large group of 15 month old Holstein heifers brought in for pregnancy examination was found with extensive ringworm lesions. Unusual in that we usually encounter this problem in winter. The excessive wet weather may be the cause.

Diseases cause by protozoa

Coccidiosis

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease	1	1			2	2	1		1
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance	2	2			2	2	1		2
Species affected	C	O,C			O	B,O,C	B		B

Mpumalanga

Middelburg: drs. Fourie and Barkhuizen

Coccidiosis (C 2) Kids are very susceptible to *Coccidia*. In wet conditions it is most possible that the will pick up this disease. As soon as a diagnosis is made it is important to treat the whole group as soon as possible. There are many effective drugs but should be used at an early stage of infection.

Gauteng

Onderstepoort: drs. Harmse *et al*

Coccidiosis (O,C 2)

Free State

Heilbron: dr. Piet van Zyl

Coccidiosis (O 1)

Zastron: dr. P.P. Brandt
Coccidiosis (O 3)

KwaZulu-Natal

Mtubatuba: dr. Trever Viljoen
Coccidiosis (B,C 2)

Pietermaritzburg: dr. Phillip Kretzmann
Coccidiosis (O 2)

Eastern Cape

Humansdorp: drs. Van Niekerk, Jansen van Vuuren and Louw
Coccidiosis (B 1)

Northern Cape

Kathu: dr. Jan Vorster
Coccidiosis (B 2)

Other Protozoal diseases

Poisoning

Urea poisoning

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease				1	2	1			
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance				3	2	2			
Species affected				B	B,O	B			

Mpumalanga

Ermelo: dr. Gert Oosthuizen

Urea poisoning (B.O 3) due to rain on licks containing urea.

North West

Brits: dr. Lourens Coertze

Sub-clinical urea toxicity in newly weaned calves (B 2)

Christiana: dr. Pieter Nel

Urea poisoning (B 1) Farmer loses 22 stud animals due to urea poisoning. Ran out of mixed lick and mixed his own lick on the recommendation of his neighbour. Cattle were not used to urea and lick did not contain sufficient salt.

Schweizer-Reneke: dr. N.J. Heyns

Urea poisoning due to fertilizer bags containing urea were not properly stored (B 2)

Ventersdorp: Olaf Marais

Urea poisoning (B 1)

Free State

Zastron: dr. P.P. Brandt

Urea poisoning (B 2)

Tulip poisoning

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free Sate	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease									
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance									
Species affected									

Lantana poisoning

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease			1			1			
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance			3			2			
Species affected			B			C			

Limpopo

Vaalwater: dr. Hampie van Staden

Lantana poisoning (B 3) Cattle brought into the area, 5 animals died numerous affected.

KwaZulu-Natal

Camperdown: dr. Anthony van Tonder

Lantana (C 2)

Gifblaar poisoning

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease			1						
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance			3						
Species affected			B						

Limpopo

Vaalwater: dr. Hampie van Staden

Gifblaar (B 3)

Senecio poisoning

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease									
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance									
Species affected									

Cestrum poisoning

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease					2				
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance					2				
Species affected					B				

Free State

Kroonstad: drs. Daffue, Eksteen, van Zyl and Van der Walt

Cestrum (inkbessie) poisoning (B 2)

Winburg: dr. Eddie Albertyn

Cestrum (inkbessie) poisoning (B 2)

Prussic acid poisoning

Province	Mpumalanga	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease					1	1			
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance					1				
Species affected					O				

Free State

Clocolan: dr. Liezel Wasserman

Prussic acid poisoning (O 1)

Acidosis

Province	Mpumalanga	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease	1							1	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance	3							3	
Species affected	B							O	

Mpumalanga

Balfour: dr. Louis van Jaarsveld

Acidosis (B 3) in dairy cows. Due to rain they do not consume their food and when it stops raining they overeat.

Western Cape

Caledon: dr. Ian Herbst

Acidosis (O 3) on stubble lands

Other poisonings

Mpumalanga

Middelburg: drs. Fourie and Barkhuizen

Cestrum (inkbessie) poisoning (B 2) This poisonous garden plant spreads easily into grazing through birds disseminating the seeds. This is a well known problem in KZN and along the Vaal river but it is now also becoming a problem on the Highveld. Two cases recently occurred where numerous cattle died due to liver damage. The source originally was plants spreading from an old farm house garden.

Gauteng

Onderstepoort: drs. Harmse *et al*

Ergot poisoning: Wet feed due to rain: lick blocks, hay and even grazing with heavy fungal infestation. 7 young animals affected of which 2 died.

North West

Schweizer-Reneke: dr. N.J. Heyns

Lead poisoning due to cattle eating lead plates from old car battery.

Stella: dr. Magdaleen Vosser

Slangkop (*Urginea*) poisoning (B 3)

Vryburg: dr. Nico Labuschagne

Slangkop (*Urginea*) poisoning (B 3)

Free State

Bethlehem: drs. Basson, Strydom and Strydom

Photosensitization (O 3) ears and head swollen.

Frankfort – dr. Dries Lessing

Poisoning due to sheep eating old termite bait that was lying on the carpet of an old unused house. Sheep gained entrance and 5 out of 150 sheep died. Symptoms looked like blue tongue. Intestines were burnt.

Harrismith: drs. Scheepers, Thirion and Nel

Photosensitization (O 1)

Winburg: dr. Eddie Albertyn

Photosensitization (O 3)

Lead poisoning (B 1) Bull blind.

Eastern Cape

Stutterheim: dr. Dave Waterman

Organophosphate poisoning (O 1) flock dosed with an organophosphate dewormer and a few animals showed signs of organophosphate poisoning. They recovered after treatment with atropine.

Western Cape

Caledon: dr. Ian Herbst

Rye grass toxicity (O 2)

North West

Leeudoringstad: dr. Ian Jonker

Kidney damage (B 2) The source of the poisoning has not been confirmed but suspect the “donkie vygie” causing oxalate poisoning. Five cattle died and 2 recovered.

Upington: dr. Ian Vorster

Sewejaartjie poisoning (O 3) This poison affects the eye nerve and leads to blindness (amaurosis).

Conditions caused by more than one organism or disease causing factor

Abortions and stillborn calves

Province	Mpumalanga	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease				1	1	1	2		
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported				3	3	2	2		
Species affected				B	B	B	B		

North West

Brits: dr. Lourens Coertze

Abortion (B 1)

Free State

Clocolan: dr. Liezel Wasserman

Abortions (B 3)

KwaZulu-Natal

Mtubatuba: dr. Trever Viljoen

Abortion (B 2)

Eastern Cape

Alexandria: dr. Johan Olivier

Abortion (B 2)

Humansdorp: drs. Van Niekerk, Jansen van Vuuren and Louw

Abortion (B 1)

Poor Conception

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease				1	1	1			
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance				2	3	2			
Species affected				B	B	B			

Gauteng

Onderstepoort: drs. Harmse *et al*

Poor conception (B 2)

North West

Christiana: dr. Pieter Nel

Poor conception (B 2)

Free State

Clocolan: dr. Liezel Wasserman

Poor conception (B 3)

KwaZulu-Natal

Underberg: drs. Collins, King and Delaney

Poor conception (B 2) Dairy cows on pasture with high incidence of dormant ovarian activity ascribed to inadequate energy intake.

Fertility tests in bulls

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease									
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance									
Species affected									

Dystocia

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease	4	2		5	7	2	3	1	3
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance	3	3		3	3	2	2	3	2
Species affected	B	B		B,C	B	B,C	B	B,C	B

Mpumalanga

Balfour: dr. Louis van Jaarsveld

Dystocia (B 3) young heifers with large calves.

Ermelo: dr. Gert Oosthuizen

Dystocia (B 3)

Middelburg: Drs. Fourie and Barkhuizen

Dystocia (B 3) Good observation is the key to prevent losses. Over the holiday season observation in many instances was poor.

Standerton: dr. Frikkie Nel

Dystocia (B 3)

Gauteng

Bronkhorstspuit: drs. Herman and Elmarie de Bruin and Marguerite Rudolph

Dystocia (B 2)

Onderstepoort: drs. Harmse *et al*

Dystocia (B,O 3)

North West

Brits: dr. Lourens Coertze

Dystocia (B,C 2) Most dystocia cases were due to poor management principles. Small heifers bred to bulls known to have larger calves..

Christiana: dr. Pieter Nel

Dystocia (B 3) Too small heifers are bred with non suitable bulls. Production lick given to heifers is a contributing factor.

Schweizer-Reneke: dr. N.J. Heyns

Dystocia (B 3) Calves too large, protein licks given due to drought conditions.

Ventersdorp: Olaf Marais

Dystocia (B 3) large calves

Vryburg: dr. Nico Labuschagne

Dystocia (B 2)

Free State

Bethlehem - drs. Basson, Strydom and Strydom

Dystocia (B 3)

Clocolan: dr. Liezel Wasserman

Dystocia (B 3)

Heilbron: dr. Piet van Zyl

Dystocia (B 3) mostly seen in heifers. If the weight of the heifers is taken at calving, they weigh the same as when they were served or as little as 20 kg more. The old belief that underfeeding is a way of preventing dystocia is unfortunately going to be with us for years to come!

Kroonstad: drs. Daffue, Eksteen, van Zyl and Van der Walt

Dystocia (B 3)

Ladybrand: drs. Van Hasselt and Blaauw

Dystocia (B 3) Common in the area..Roughly 75% of cases are heifers and cows grazing on green fodder. A farmer fed his animals large amounts of lucerne. This caused many dystocias in his heifers.

Viljoenskroon: dr. Johan Kahts

Dystocia (B 2)

Winburg: dr. Eddie Albertyn

Dystocia (B 3) Boran bull put to young Bonsmara heifers.

KwaZulu-Natal

Camperdown: dr. Anthony van Tonder

Dystocia (B,C 2)

Mtubatuba: dr. Trever Viljoen

Dystocia (B,C 2)

Western Cape

George: drs. Strydom, Truter and Pettifer

Dystocia (B 2)

Humansdorp: drs. Van Niekerk, Jansen van Vuuren and Louw

Dystocia (B 2)

Northern Cape

Kathu: dr. Jan Vorster

Dystocia (B 1)

Kimberley: dr. Joseph van Heerden

Dystocia (B 3)

Upington: dr. Ian Vorster

Dystocia (B 3)

Metritis (Infection of the uterus)

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease		1			2	2	1		
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance		3			2	2	2		
Species affected		B			B	B	B		

Gauteng

Onderstepoort: drs. Harmse *et al*

Metritis (B 3)

Free State

Bloemfontein: dr. Stephan Wessels

Metritis (B 2)

Viljoenskroon: dr. Johan Kahts

Metritis (B 2)

KwaZulu-Natal

Camperdown: dr. Anthony van Tonder

Metritis (B 1)

Mtubatuba: dr. Trever Viljoen

Metritis (B 2)

Eastern Cape

Humansdorp: drs. Van Niekerk, Jansen van Vuuren and Louw

Metritis (B 2)

Retained placenta

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease				1	3	1			
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance				1	2	1			
Species affected				B	B	B			

North West

Brits: dr. Lourens Coertze

Retained afterbirth (B 1)

Free State

Clocolan: dr. Liezel Wasserman

Retained placentas (B 2)

Heilbron: dr. Piet van Zyl

Retained placenta (B 2)

Ladybrand: drs. Van Hasselt and Blaauw

Retained placentas (B 2)

KwaZulu-Natal

Pongola/Magudu: dr. Silke Pfitzer

Retained afterbirths (B 1)

Prolapses

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease						1			
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance						2			
Species affected						B			

KwaZulu-Natal

Camperdown: dr. Anthony van Tonder

Prolapses (B 2)

Navel infections

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease				2	1				
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance				1	2				
Species affected				B	B				

North West

Brits: dr. Lourens Coertze

Navel infections (B 1)

Christiana: dr. Pieter Nel

Navel infection (B 1)

Free State

Clocolan: dr. Liezel Wasserman

Navel infection (B 2)

Joint-ill/Arthritis

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease		2		1	1	2			
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance		2		1	1	2			
Species affected		B,O,C		B	B	B			

Gauteng

Bronkhorstspuit: drs. Herman and Elmarie de Bruin and Marguerite Rudolph
Arthritis (B 1)

Onderstepoort: drs. Harmse *et al*
Arthritis (B,O,C 2)

North West

Christiana: dr. Pieter Nel
Arthritis (B 1)

Free State

Clocolan: dr. Liezel Wasserman
Arthritis (B 1)

KwaZulu-Natal

Camperdown: dr. Anthony van Tonder
Arthritis (B 1)

Pietermaritzburg: dr. Phillip Kretzmann
Arthritis (B 2)

Mastitis

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease		1		1	1	4	1	1	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance		1		1	2	2	3	3	
Species affected		B		B	B	B,O,C	B	B	

Gauteng

Bronkhorstspuit: drs. Herman and Elmarie de Bruin and Marguerite Rudolph
Mastitis (B 1)

North West

Brits: dr. Lourens Coertze
Mastitis (B 1)

Free State

Viljoenskroon: dr. Johan Kahts
Mastitis (B 2)

KwaZulu-Natal

Bergville: dr. Ariena Shepherd
Mastitis (B,O 3)

Camperdown: dr. Anthony van Tonder

Mastitis (B 1)

Mtubatuba: dr. Trever Viljoen

Mastitis (B,C 2)

Pietermaritzburg: dr. Phillip Kretzmann

Mastitis (B 2)

Eastern Cape

Humansdorp: drs. Van Niekerk, Jansen van Vuuren and Louw

Mastitis (B 3)

Western Cape

George: drs. Strydom, Truter and Pettifer

Mastitis (B 3)

Foot rot and lameness

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease	2	1		2	1	4	1	2	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance	2	3		2	2	3	2	2	
Species affected	B,O	B,O		B	B	B,O,C	O,C	C	

Mpumalanga

Balfour: dr. Louis van Jaarsveld

Footrot (O 3)

Lydenburg: dr. Gustav Trümpelmann

Footrot (B,O 2)

Gauteng

Onderstepoort: drs. Harmse *et al*

Lameness (O,B 3)

North West

Brits: dr. Lourens Coertze

Lameness (B 2)

Christiana: dr. Pieter Nel

Lameness (B 1)

Free State

Viljoenskroon: dr. Johan Kahts

Lameness (B 2)

KwaZulu-Natal

Camperdown: dr. Anthony van Tonder

Lameness (B 2)

Mtubatuba: dr. Trever Viljoen

Lameness (B,C 2)

Pietermaritzburg: dr. Phillip Kretzmann

Lameness (B 3)

Underberg: drs. Collins, King and Delaney

Lameness (B,O 3)

Eastern Cape

Graaff-Reinet: dr. Roland Larson

Lameness (O,C 2) Foot abscesses most probably related to the increase in long mouth part tick numbers and the damp conditions.

Western Cape

Beaufort-West: drs. Pienaar and Grobler

Lameness (C 1)

George: drs. Strydom, Truter and Pettifer

Foot abscess (C 3) Seasonal occurrence in Angora goats.

Bloat

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease									
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance									
Species affected									

Diarrhoea

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease		1		3	3	3	1	1	1
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance		2		3	3	2	2	3	3
Species affected		O,P		B,O	B	B,O,C	B,O	B	B

Gauteng

Onderstepoort: drs. Harmse *et al*

Diarrhoea (O,P 2)

North West

Brits: dr. Lourens Coertze

Diarrhoea (B,O 2)

Leeudoringstad: dr. Ian Jonker

Diarrhoea (B 3) in calves.

Stella: dr. Magdaleen Vosser

Diarrhoea (B 3) in calves *Salmonella* and *E. coli*.

Free State

Heilbron: dr. Piet van Zyl

Diarrhoea (B 3) Massive problem in 1-3 month old beef calves. Positive for rota virus and *E. coli*.

Viljoenskroon: dr. Johan Kahts

Diarrhoea (B 3)

Zastron: dr. P.P. Brandt

Diarrhoea (B 3) White diarrhoea is wide spread in beef calves. State veterinary laboratory in Bloemfontein isolated a non-pathogenic *E. coli* strain and rota virus.

KwaZulu-Natal

Bergville: dr. Ariena Shepherd
Calf diarrhoea (B 3) mainly due to *E. coli* and *Salmonella*.

Mtubatuba: dr. Trever Viljoen
Diarrhoea (B,C 2)

Pietermaritzburg: dr. Phillip Kretzmann
Diarrhoea (B,O,C 2) Especially in young animals in muddy conditions.

Eastern Cape

Humansdorp: drs. Van Niekerk, Jansen van Vuuren and Louw
Diarrhoea (B,O 2)

Western Cape

George: drs. Strydom, Truter and Pettifer
Diarrhoea (B 3)

Northern Cape

Kimberley: dr. Joseph van Heerden
Diarrhoea (B 3) in calves.

Eye infection/Ophthalmia/Kerato-conjunctivitis

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease	2	2		5	6	5	1		2
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance	3	3		3	3	2	1		3
Species affected	B,O	B,O,E		B	B,O,C	B,O,C	B		B.O.C

Mpumalanga

Balfour: dr. Louis van Jaarsveld
Ophthalmia (B 3) due to flies.

Ermelo: dr. Gert Oosthuizen
Ophthalmia (B,O 3)

Gauteng

Bronkhorstspuit: drs. Herman and Elmarie de Bruin and Marguerite Rudolph
Ophthalmia (B,O,E 3)

Onderstepoort: drs. Harmse *et al*
Ophthalmia (B 2)

North West

Brits: dr. Lourens Coertze
Ophthalmia (B 2)

Christiana: dr. Pieter Nel
Ophthalmia (B 3)

Schweizer-Reneke: dr. N.J. Heyns
Ophthalmia (B 3)

Stella: dr. Magdaleen Vosser
Ophthalmia (B 3)

Ventersdorp: dr. Olaf Marais
Ophthalmia (B 3)

Free State

Clocolan: dr. Liezel Wasserman

Ophthalmia (B 3)

Frankfort: dr. Dries Lessing

Ophthalmia (B,O 3)

Harrismith: drs. Scheepers, Thirion and Nel

Ophthalmia (B,O 3)

Heilbron: dr. Piet van Zyl

Ophthalmia (B,O 3) At present this is a huge problem in sheep and cattle. Vitamin A administration in summer as advocated by lay people has had no effect on animals .

Viljoenskroon: dr. Johan Kahts

Ophthalmia (B 3)

Winburg: dr. Eddie Albertyn

Ophthalmia (B,O 3)

KwaZulu-Natal

Bergville: dr. Ariena Shepherd

Ophthalmia (B,O 2)

Camperdown: dr. Anthony van Tonder

Ophthalmia (B 2)

Mtubatuba: dr. Trever Viljoen

Ophthalmia (B,C 2) due to increased fly population.

Pongola/Magudu: dr. Silke Pfitzer

Ophthalmia (B 2) due to *Moraxella bovis*

Underberg: drs. Collins, King and Delaney

Ophthalmia (B,O 2)

Eastern Cape

Humansdorp: drs. Van Niekerk, Jansen van Vuuren and Louw

Ophthalmia (B 1)

Northern Cape

Kimberley: dr. Joseph van Heerden

Ophthalmia (B 3)

Upington: dr. Ian Vorster

Ophthalmia (B,O,C 3) due to flies and midges.

Abscesses

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease		1		1	3	3	1	1	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance		2		2	2	2	1	3	
Species affected		B,O		B	B,O,C	B,O,C	B	B	

Gauteng

Onderstepoort: drs. Harmse *et al*

Abscesses (B,O 2)

North West

Brits: dr. Lourens Coertze

Abscesses (B 2)

Free State

Bethlehem: drs. Basson, Strydom and Strydom

Abscesses (B 2)

Heilbron: dr. Piet van Zyl

Abscesses (B,O,C 2) Abscesses in the testes, uterus, throat and legs caused by *Trueperella pyogenes*. The vaccine against this organism seems to induce immunity for only 6 months. At present an autogenous vaccine is being tested.

Ladybrand: drs. Van Hasselt and Blaauw

Abscesses (B 3)

KwaZulu-Natal

Mtubatuba: dr. Trever Viljoen

Abscesses (B,C 2) due to increase in fly population.

Pongola/Magudu: dr. Silke Pfitzer

Abscesses (B 1) Sheath infection and injury to a Brahman bull possibly initiated by tick bites

Pietermaritzburg: dr. Phillip Kretzmann

Abscesses (B,O,C 2)

Eastern Cape

Humansdorp: drs. Van Niekerk, Jansen van Vuuren and Louw

Abscesses (B 1)

Western Cape

George: drs. Strydom, Truter and Pettifer

Abscesses (B 3) especially in cattle of small scale farmers.

Pneumonia

Province	Mpumalanga	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease	1	1		1	3	2	1	2	1
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance	3	2		1	2	2	2	3	3
Species affected	O	P		B	B	B,O,C	B	B,O	O

Mpumalanga

Ermelo: dr. Gert Oosthuizen

Pneumonia (O 3) due to pasteurellosis.

Gauteng

Onderstepoort: drs. Harmse *et al*

Pneumonia (P 2)

North West

Christiana: dr. Pieter Nel

Pneumonia (B 1)

Free State

Clocolan: dr. Liezel Wasserman

Pneumonia (B 1)

Kroonstad: drs. Daffue, Eksteen, van Zyl and Van der Walt

Pneumonia (B 2) calves in a feedlot died due to pneumonia.

Viljoenskroon: dr. Johan Kahts

Pneumonia (B 2)

KwaZulu-Natal

Mtubatuba: dr. Trevor Viljoen

Pneumonia (B,O,C 2)

Pietermaritzburg: dr. Phillip Kretzmann

Pneumonia (B,O,C 2)

Eastern Cape

Alexandria: dr. Johan Olivier

Pneumonia (B 2)

Western Cape

Darling: dr. Jannie van der Merwe

Pneumonia (O 3) Outbreaks of pneumonia in young ewes on two farms. 4 out of 150 died. Others had a chronic infection and 59 out of 250 died. At PM the ventral part of the lung looked like liver.

In both cases the ewes lost weight before the incident took place. Apparently the sheep were kept in this camp for an extended period. A lot of wind and dust during December could have played a role in this outbreak. On most farms sheep are in good condition due to excellent grazing conditions.

George: drs. Strydom, Truter and Pettifer

Pneumonia (B,O 3) mainly in young animals

Northern Cape

Upington: dr. Ian Vorster

Pasteurellosis (O 3) Farmers do not vaccinate their sheep and fluctuations in temperatures (42°C to 28°C) predispose to this disease.

Mismothering

Traumatic Reticuloperitonitis

Ulcers

Northern Cape

Upington: dr. Ian Vorster

Ulcers in the abomasum of lambs in a feedlot. The food was milled too fine especially the lucerne that was needed for roughage.

Nutritional deficiencies

Macro feed deficiencies

Protein

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease				4				1	1
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance				3				1	3
Species affected				B				O	B

North West

Christiana: dr. Pieter Nel

Protein deficiency (B 1)

Schweizer-Reneke: dr. N.J. Heyns

Downer cattle due to drought conditions (B 3)

Stella: dr. Magdaleen Vosser

Deaths due to drought conditions (B 3)

Vryburg: dr. Nico Labuschagne

Downer cattle due to drought conditions (B 3)

Western Cape

Beaufort-West: drs. Pienaar and Grobler

Protein deficiency (O 1)

Northern Cape

Kathu: dr. Jan Vorster

Protein and energy deficiency (B 3) As a result of widespread veld fires in the district numerous animals did not have enough to eat and as a result of weakness they cannot rise.

Energy

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease				1	1	1			
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance				1	3	3			
Species affected				B	B	B			

North West

Christiana: dr. Pieter Nel

Energy deficiency (B 1)

Free State

Viljoenskroon: dr. Johan Kahts

Energy deficiency (B 3)

KwaZulu-Natal

Underberg: drs. Collins, King and Delaney

Energy deficiency (B 3)

Phosphate

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease									

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

Calcium

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease									
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance									
Species affected									

KwaZulu-Natal

Camperdown: dr. Anthony van Tonder

Calcium deficiency (B 1)

Magnesium

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease									
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance									
Species affected									

Other Micro feed conditions

Copper

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease						1			
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance						2			
Species affected						B			

KwaZulu-Natal

Selenium

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease	1					1	1		
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance	2					2	1		
Species affected	B					B	B		

North West

Christiana: dr. Pieter Nel

Selenium deficiency (O 1)

Zinc

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease									
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance									
Species affected									

Molibdinum

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
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	-langa			West	State	Natal	Cape	Cape	Cape
No vets reporting this disease					1				
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance					2				
Species affected					B,O				

Free State

Heilbron: dr. Piet van Zyl

Molibdinum toxicity (B,O 2) in two separate cases diagnosed through liver analysis (dairy cattle (12) and in a flock of sheep. Sheep also had a severe zinc deficiency and copper overload. It is speculated that the cause could be the molibdinum that is sprayed on soya beans and lucerne for higher crop yields.

Vitamin A

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease				1					
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance				1					
Species affected				B,O 1					

North West

Christiana: dr. Pieter Nel

Vitamin A deficiency (B,O 1)

VitaminB 1 deficiency

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease									
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance									
Species affected									

Metabolic diseases

Anion / cation imbalance

Domsiekte

Ketosis

Milk fever

Other conditions

Malformation

Left displaced abomasum (LDA)

Body condition scores

Urolithiasis (urinary calculi)

Haematoma of the penis

Mpumalanga

Balfour: dr. Louis van Jaarsveld

Three bulls slipped in wet conditions when servicing cows and heifers. Bulls interfere with one another when servicing if there are too many bulls per group.

Management

Lightning

Free State

Bethlehem - drs. Basson, Strydom and Strydom

Lightning (B 3) caused high mortalities.

Predation

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Game

Free State

Kroonstad: drs. Daffue, Eksteen, van Zyl, and Van der Walt

Asiatic red water (Sable 1) Sable showing nervous symptoms positive for Babesia bovis on blood smear.

Sable calf died of pneumonia predisposed by fluctuations in temperature.

Dystocia in a buffalo.

Northern Cape

Kimberley: dr. Joseph van Heerden

Large numbers of bont-legged ticks on a roan calf.

Sable with a puff adder bite.

Buffalo with pneumonia. Was confirmed with histopathology.

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Horses

North West

Vryburg: dr. Nico Labuschagne
Cases of Equine Encephalosis

KwaZulu-Natal

Camperdown: dr. Anthony van Tonder
Biliary (2)

Western Cape

Vredenburg: dr. Izak Rust
Impaction colic in a horse

Northern Cape

Kimberley: dr. Joseph van Heerden
Horses become anaemic, lethargic and recover after a few days. Blood smears negative. Cause still unknown.

Upington: dr. Ian Vorster
Summer itch due to midges
Successfully operated on an Arab mare that had a caecum torsion.

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Dogs
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Pigs
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Poultry
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Ostriches
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Feedlot report

Feed lot report: drs. Shaun Morris and Eben du Preez

Sheep

Numerous deaths occurred due to **pneumonia**. The main contributing factors were transport, wet kraals and dust.

Wireworm infestations have increased.

Cattle

Lumpy skin disease occurred north of Pretoria and in a feedlot in Cookhouse. Cases are regularly seen in feedlots but the source of where cattle originated from is seldom established. It is a fact that this disease is dormant in many areas of the country.

Biting flies (*Stomoxys*) are a big problem and even under field conditions cattle are seen standing uncomfortable in groups.

Anaplasmosis were seen in numerous feedlots and deaths occurred on numerous backgrounding farms.

Parafilaria lesions were seen at abattoirs in cattle coming from the northern areas. Liver fluke lesions led to condemnation of numerous livers of C-grades. Condemned livers occurred in A-grades from the eastern part of the country and Limpopo province. Foot rot had been a problem in a few kraals which had been wet for a long period. An animal with *Besnoitia* was also seen in a kraal in the north.

Laboratory reports

Monthly report from dr. Marijke Henton, Idexx SA – Johannesburg

IDEXX laboratories, December, 2012

Fewer farm animal samples than usual were received during December. Apart from the usual *Trueperella [Arcanobacterium] pyogenes* and Blue Udder cases, there were two cases of pneumonia in ruminants and *Streptococcus suis* was isolated from both of them. Although *Streptococcus suis* usually causes disease in pigs, it causes sporadic respiratory disease in ruminants as well. Such cases are generally related to transport stress or other stressors. One case was from a sheep (NW Province) with lung abscesses due to *Actinobacillus lignieresii*, and the other from a bovine (Mpumalanga), where the primary problem was diarrhoea. These two other problems were probably the stressors. Nearly all *Streptococcus* sp. are sensitive to all the penicillins and cephalosporins, and they do not respond to tetracyclines and fluoroquinolones, even if they show sensitivity on antibiograms.

Keratoconjunctivitis was diagnosed in sheep in the Western Cape, and *Mycoplasma conjunctivae* was identified via PCR. Culture of affected eyes may yield many diverse opportunists, and as *Mycoplasma* is difficult to isolate, and may be overgrown by opportunists and contaminants, the far larger role that *Mycoplasma* plays in such cases is often overlooked. The other common cause of infectious ophthalmia in sheep in South Africa is *Chlamydomphila*. Both are best diagnosed using PCR tests. Both of them result in frustration for both the veterinarian and the farmer, as many cases recur after treatment. The best treatment for both is tetracycline, and a long acting product is indicated. Some sheep will require a second and even a third course of treatment, before they are cured. Penicillins are ineffective in such cases.

Monthly Pathcare Vetlab report – Cape Town (15 November – 13 December 2012) submitted by me. Jeanette Wentzel

Disease condition	Animal specie	District	Comment
Neonatal septicaemia and abortions	Cattle	Many areas	
<i>Prototheca pneumonia</i>	Cattle	West coast	
Pleuro-pneumonia	Cattle	Eastern Cape	
Hepato-toxicosis	Cattle	Namibia	
Bakterial enteritis	Cattle	Kimberley	
<i>Solanum kwebense</i>	Cattle	Free State	
Hypo-proteinaemia	Cattle	Eastern Cape, Namibia	
Ephemeral fever	Cattle	Free State	
<i>Campylobacter</i>	Cattle	Wide spread	Confirmed with PCR
Trichomonosis	Cattle	Wide spread	Confirmed with PCR
Squamous cell carcinoma	Cattle	Free State	
<i>Mycoplasma</i>	Cattle	Swellendam	
Squamous cell carcinoma	Horses	Bloemfontein	
Sarcoid	Horses	Free State and Eastern Cape	
Bleeding trend	Horses	Boland	
<i>Streptococcus dysgalactiae</i> spp. <i>equisimilis</i>	Horses	Cape Town	Confirmed with MS
Papillomatosis	Alpaca	Villiersdorp	
Foreign body pneumonia	Blue wildebeest	Free State	
<i>Mycoplasma</i>	Poultry	Eastern Cape	

**Monthly report by Dr J.H.Vorster [BVSc;M.Med. Vet (Path)]
Veterinary Pathologist, Vetdiagnostix Veterinary Pathology Services Pty Ltd.
Pietermaritzburg.**

SPECIES	VET PRAC / AREA	DIAGNOSIS
Bovine	KZN	<i>Trueperella pyogenes</i> orchitis
Bovine	KZN	Chronic pyrrolizidine alkaloid poisoning
Bovine	KZN	"Heart pluck" <i>Clostridium chauvoei</i>
Bovine	KZN	Rumen acidosis
Bovine	KZN	Hepatic fibrosarcoma
Bovine	KZN	<i>Neospora caninum</i>
Ovine	KZN	<i>Haemonchus contortus</i> (wireworm)
Equine	KZN	Group B <i>Salmonella</i> enteritis
Porcine	KZN	<i>Actinobacillus pleuropneumoniae</i> deaths
Porcine	KZN	Gastric ulceration
Bovine	Eastern Cape region	<i>Enzootic Bovine Leukosis</i>
Equine	Gauteng	Mycotic pneumonia
Porcine	Limpopo	Porcine circovirus infection
Porcine	Mpumulanga	Enteric colibacillosis

